

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

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FOURTEENTH CENSUS OF THE UNITED STATES

STATE COMPENDIUM

CALIFORNIA

STATISTICS OF POPULATION, OCCUPATIONS, AGRICULTURE,  
IRRIGATION, DRAINAGE, MANUFACTURES, AND  
MINES AND QUARRIES FOR THE STATE,  
COUNTIES. AND CITIES



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# DEPARTMENT OF COMMERCE.

HERBERT HOOVER, SECRETARY OF COMMERCE.

## BUREAU OF THE CENSUS.

### *Chief functions.*

The taking of the decennial census covering population, agriculture, manufactures, mines and quarries, and forest products. Decennial report on wealth, public debt, and taxation, including principal financial statistics on Federal, state, county, city, and township governments.

Annual financial statistics of state and municipal governments—Sources of revenue, objects of payments, debt and tax levies.

Decennial statistics relating to inmates of institutions, including paupers, insane, prisoners, and juvenile delinquents.

A census of agriculture in each middecennial year, a biennial census of manufactures, a quinquennial census of electrical public utilities, statistics of marriage and divorce.

Annual statistics of births, deaths, causes of death, etc., in the registration area of the United States.

Quarterly statistics of leaf tobacco stocks and of production, stocks, and consumption of fats and oils.

Monthly or semimonthly statistics of cotton ginning; cotton stocks and consumption; the production, stocks, and consumption of hides and leather; the production of shoes; and statistics of active textile machinery and of movements in an increasing number of other industries.

The compilation and publication, in the "Survey of Current Business," of monthly commercial and industrial statistics.

## BUREAU OF FOREIGN AND DOMESTIC COMMERCE.

### *Chief functions.*

The compilation of timely information concerning world market conditions and openings for American products in foreign countries secured through commercial attachés and trade commissioners of the Department of Commerce and the foreign service of the Department of State. The distribution of such information to American business through weekly "Commerce reports," special bulletins, confidential circulars, the news and trade press, correspondence, and personal contact.

The maintenance of commodity, technical, and geographical divisions to afford special service to American export industries.

The compilation and distribution of names of possible buyers and agents for American products in all parts of the world and the publication of weekly lists of specific sales opportunities abroad.

The maintenance of district and cooperative offices in many cities in the United States to expedite delivery of market information to business men and to keep the department advised as to the urgent requirements of American trades and industries.

The publication of official statistics on imports and exports.

The study of the processes of domestic trade and commerce, with a view to their improvement and the dissemination of information obtained for the benefit of the public, as well as of those directly concerned.

## BUREAU OF STANDARDS.

### *Chief functions.*

Custody of standards of measurement, quality, performance, or practice adopted or recognized by the Government. Development and construction of such standards when necessary. Testing and calibration of apparatus and comparison of standards used by scientific or other institutions with those in the custody of the bureau.

Determination of physical constants and properties of materials.

The testing of materials and the establishment of standards and processes in cooperation with commercial firms or organizations.

Researches covering structural, engineering, and miscellaneous materials, radio, radium, mechanical appliances, sugar technology, leather, paper, rubber, and textiles, clay products, glass, and refractories, metals and metallurgy, and similar groups of subjects.

The collection and dissemination of information showing approved methods in building, planning, and construction, including building materials and codes and such other matters as may encourage, improve, and cheapen construction and housing.

Studies on simplified commercial practices and the establishment of such practices through cooperative business organizations. The Bureau publishes six series of scientific and technical publications, reporting the results of its researches and giving technical data fundamental to industry.

The Director of the Bureau has supervision of the preparation of technical specifications through the Federal Specifications Board.

## BUREAU OF FISHERIES.

### *Chief functions.*

The propagation of useful food fishes, including lobsters, oysters, and other shellfish, and their distribution to suitable waters.

Investigations of fish culture, fish diseases, and for the conservation of fishery resources and the development of commercial fisheries.

The study of the methods of the fisheries and fishery industries and the utilization of fishery products.

The collection of statistics of fisheries.

The administration of the Alaska salmon fisheries and the fur-seal herd on the Pribilof Islands.

The administration of the law for the protection of sponges off the coast of Florida.

## BUREAU OF LIGHTHOUSES.

### *Chief functions.*

The establishment and maintenance of lighthouses, lightships, buoys, and other aids to navigation on the sea and the lake coasts and on the rivers of the United States, including Alaska, Hawaiian Islands, and Porto Rico.

The publication of Light Lists, Buoy Lists, and Notices to Mariners, including information regarding all aids to navigation maintained by the Lighthouse Service.

## COAST AND GEODETIC SURVEY.

### *Chief functions.*

The survey of the coasts of the United States and the publication of charts needed for the navigation of the adjacent waters, including Alaska, the Philippine Islands, Hawaii, Porto Rico, the Virgin Islands, and the Canal Zone.

A comprehensive geodetic system, extending into the interior, connects and coordinates the surveys of the coasts, and is designed to furnish accurately determined points and elevations in all parts of the country. These are available as a basis for Federal, state, and municipal surveys, and engineering projects of every kind. The magnetic declination has been determined at a large number of stations throughout the country and the results are available for the use of surveyors and engineers.

The technical operations include base measure, triangulation, traverse, precise leveling, the determination of latitude and azimuth, the determination of difference of longitude by telegraph or radio, magnetic observations and researches, the preparation of magnetic maps, the determination of the force of gravity, topography, hydrography, deep-sea soundings, water temperatures, tidal and current observations.

The results are published in the form of charts on various scales, annual reports, coast pilots, tide tables (published annually in advance), current tables, digests of geodetic publications, and special publications.

## BUREAU OF NAVIGATION.

### *Chief functions.*

General superintendence of commercial marine and merchant seamen.

Supervision of registering, enrolling, licensing, numbering, etc., of vessels under the United States flag and the annual publication of a list of such vessels.

The enforcement of the navigation and steamboat inspection laws and the laws governing radio communication, as well as duties connected with fees, fines, tonnage taxes, refunds, etc., originating under such laws.

## STEAMBOAT INSPECTION SERVICE.

### *Chief functions.*

The inspection of vessels, the licensing of the officers of vessels, and the administration of laws relating to such vessels and their officers.

The certification of able seamen who form the crews of merchant vessels.

The inspection of vessels, including the types of boilers; the testing of all materials subject to tensile strain in marine boilers; the inspection of hulls and of life-saving equipment.

Circulars listing the publications of the various bureaus will be mailed on application to the bureau.



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## SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISIONS AND STATES,

POPULATION, JAN. 1, 1920.														
DIVISION AND STATE.	POPULATION, BY SEX.			NATIVE WHITE POPULATION.		FOREIGN-BORN WHITE POPULATION.		NEGRO POPULATION.		POPULATION 7 TO 20 YEARS OF AGE.		POPULATION 10 YEARS OF AGE AND OVER.		
	Total. <sup>1</sup>	Male.	Female.	Native parentage.	Foreign or mixed parentage.	Number.	Per cent of total.	Number.	Per cent of total.	Total.	Attending school.	Total.	Illiterate.	
													Number.	Per cent.
1 United States..	105,710,620	53,900,431	51,810,189	58,421,957	22,686,204	13,712,754	13.0	10,463,131	9.9	28,564,716	19,451,851	82,739,315	4,931,905	6.0
2 GEOGRAPHIC DIVS.:														
3 New England.....	7,400,909	3,672,591	3,728,318	2,803,149	2,642,276	1,870,654	25.3	79,051	1.1	1,768,290	1,223,623	5,945,989	289,700	4.9
4 Middle Atlantic.....	22,261,144	11,206,445	11,054,699	9,631,012	7,098,253	4,912,575	22.1	600,183	2.7	5,527,757	3,746,560	17,666,354	865,382	4.9
5 E. North Central.....	21,475,543	11,035,041	10,440,502	11,790,370	5,925,213	3,223,279	15.0	514,554	2.4	5,350,637	3,728,706	17,130,786	495,470	2.9
6 W. North Central.....	12,544,249	6,459,067	6,085,182	7,475,548	3,377,878	1,371,961	10.9	278,521	2.2	3,393,143	2,420,929	9,889,740	193,221	2.0
7 South Atlantic.....	13,990,272	7,035,843	6,954,429	8,779,416	553,604	315,920	2.3	4,325,120	30.9	4,323,620	2,818,406	10,513,447	1,212,942	11.5
8 E. South Central.....	8,893,307	4,471,690	4,421,617	6,092,782	202,826	71,939	0.8	2,523,532	28.4	2,818,595	1,858,659	6,677,229	845,459	12.7
9 W. South Central.....	10,242,224	5,265,829	4,976,395	6,959,785	696,609	459,333	4.5	2,063,579	20.1	3,259,000	2,097,596	7,739,536	773,937	10.0
10 Mountain.....	3,336,101	1,789,299	1,546,802	2,002,508	757,166	453,225	13.6	30,801	0.9	896,406	656,638	2,504,463	132,659	5.2
11 Pacific.....	5,566,871	2,964,626	2,602,245	2,887,387	1,432,370	1,033,868	18.6	47,790	0.9	1,227,268	900,734	4,611,771	123,435	2.7
12 NEW ENGLAND:														
13 Maine.....	768,014	388,752	379,262	495,780	162,566	107,349	14.0	1,310	0.2	188,822	134,299	621,233	20,240	3.3
14 New Hampshire.....	443,083	222,112	220,971	225,512	125,586	91,233	20.6	621	0.1	104,581	73,063	361,930	15,788	4.4
15 Vermont.....	352,428	178,854	173,574	228,325	78,906	44,526	12.6	572	0.2	87,302	62,544	284,472	8,488	3.0
16 Massachusetts.....	3,852,356	1,890,014	1,962,342	1,230,773	1,495,217	1,077,534	28.0	45,466	1.2	907,212	633,124	3,106,769	146,607	4.7
17 Rhode Island.....	604,397	297,524	306,873	173,553	246,928	173,499	28.7	10,036	1.7	149,774	95,499	483,788	31,312	6.5
18 Connecticut.....	1,380,631	695,335	685,296	449,206	533,013	376,513	27.3	21,046	1.5	330,599	225,094	1,087,797	87,265	6.2
19 MIDDLE ATLANTIC:														
20 New York.....	10,385,227	5,187,350	5,197,877	3,668,266	3,717,649	2,786,112	26.8	198,483	1.9	2,461,305	1,656,905	8,402,786	425,022	5.1
21 New Jersey.....	3,155,900	1,590,075	1,565,825	1,212,675	1,085,709	738,613	23.4	117,132	3.7	786,040	525,979	2,494,246	127,661	5.1
22 Pennsylvania.....	8,720,017	4,420,020	4,299,997	4,750,071	2,204,805	1,387,890	15.9	284,568	3.3	2,280,411	1,563,676	6,769,322	312,690	4.6
23 E. NORTH CENTRAL:														
24 Ohio.....	5,759,394	2,955,980	2,803,414	3,669,122	1,224,074	678,697	11.8	186,187	3.2	1,386,799	989,417	4,624,456	131,006	2.8
25 Indiana.....	2,930,390	1,489,074	1,441,316	2,329,544	368,650	150,868	5.1	80,810	2.8	745,281	515,237	2,356,214	52,034	2.2
26 Illinois.....	6,485,280	3,304,833	3,180,447	3,066,563	2,025,819	1,206,951	18.6	182,274	2.8	1,619,847	1,108,216	5,184,043	173,987	3.4
27 Michigan.....	3,608,412	1,928,436	1,739,976	1,670,447	1,204,545	726,635	19.8	60,082	1.6	803,744	626,165	2,895,606	88,046	3.0
28 Wisconsin.....	2,632,067	1,356,718	1,275,349	1,064,694	1,102,116	460,128	17.5	5,201	0.2	704,966	489,671	2,069,567	50,397	2.4
29 W. NORTH CENTRAL:														
30 Minnesota.....	2,387,125	1,245,537	1,141,588	827,627	1,055,145	486,164	20.4	8,809	0.4	643,287	451,096	1,877,132	34,487	1.8
31 Iowa.....	2,404,021	1,229,392	1,174,629	1,528,553	629,981	225,647	9.4	19,005	0.8	627,248	454,078	1,913,155	20,680	1.1
32 Missouri.....	3,404,055	1,728,319	1,680,736	2,536,930	502,082	186,026	5.5	178,241	5.2	901,694	624,395	2,737,771	83,403	3.0
33 North Dakota.....	646,872	341,673	305,199	207,960	300,485	131,503	20.3	467	0.1	198,020	146,289	470,210	9,937	2.1
34 South Dakota.....	636,547	337,120	299,427	308,598	228,158	82,391	12.9	832	0.1	181,271	131,943	482,195	8,109	1.7
35 Nebraska.....	1,296,372	672,805	623,567	757,094	372,503	149,652	11.5	13,242	1.0	358,143	256,961	1,012,552	13,784	1.4
36 Kansas.....	1,769,257	909,221	860,036	1,308,804	289,524	110,578	6.2	57,925	3.3	483,480	356,167	1,396,725	22,821	1.6
37 SOUTH ATLANTIC:														
38 Delaware.....	223,003	113,755	109,248	139,876	32,929	10,810	8.9	30,335	13.6	54,739	37,759	178,930	10,508	5.9
39 Maryland.....	1,449,661	729,455	720,206	893,088	209,472	102,177	7.0	244,479	16.9	381,106	246,056	1,158,953	64,434	5.6
40 Dist. Columbia.....	437,571	208,543	229,028	239,488	58,824	28,548	6.5	109,968	25.1	89,931	58,005	377,295	10,509	2.8
41 Virginia.....	2,309,187	1,168,492	1,140,695	1,534,494	52,630	30,785	1.3	690,017	29.9	709,980	460,037	1,748,868	195,159	11.2
42 West Virginia.....	1,463,701	763,100	700,601	1,232,857	82,472	61,906	4.2	86,345	5.9	437,703	297,044	1,083,395	69,413	6.4
43 North Carolina.....	2,559,123	1,276,062	1,283,061	1,765,263	11,477	7,099	0.3	763,407	29.8	839,574	576,239	1,844,673	241,603	13.1
44 South Carolina.....	1,653,724	838,233	815,491	799,418	12,719	6,401	0.4	864,719	51.4	576,564	393,077	1,219,316	209,667	18.1
45 Georgia.....	2,805,832	1,444,823	1,451,009	1,642,697	30,231	16,186	0.6	1,206,365	41.7	953,304	570,386	2,150,230	328,838	15.3
46 Florida.....	968,470	496,320	472,150	532,285	62,850	43,008	4.4	329,487	34.0	280,719	179,803	751,787	71,811	9.6
47 E. SOUTH CENTRAL:														
48 Kentucky.....	2,410,630	1,227,494	1,189,136	2,099,134	110,646	30,780	1.3	235,938	9.8	717,667	480,626	1,837,434	155,014	8.4
49 Tennessee.....	2,337,885	1,173,067	1,163,818	1,832,757	87,768	15,478	0.7	451,758	19.3	724,688	488,543	1,770,762	182,620	10.3
50 Alabama.....	2,348,174	1,173,105	1,175,069	1,394,129	35,241	17,602	0.8	900,652	38.4	774,048	499,888	1,730,421	278,082	16.1
51 Mississippi.....	1,790,618	897,124	893,494	826,762	10,181	8,019	0.4	935,184	52.2	602,192	389,702	1,338,612	229,734	17.2
52 W. SOUTH CENTRAL:														
53 Arkansas.....	1,752,204	895,228	856,976	1,226,692	39,090	13,975	0.8	472,220	27.0	569,870	375,115	1,302,905	121,837	9.4
54 Louisiana.....	1,798,509	903,335	895,174	941,724	110,016	44,871	2.5	700,257	38.0	574,202	327,546	1,306,066	209,092	21.9
55 Oklahoma.....	2,028,283	1,058,044	970,239	1,679,107	102,119	39,968	2.0	149,408	7.4	647,939	444,247	1,513,951	59,864	3.9
56 Texas.....	4,663,228	2,409,222	2,254,006	3,112,262	445,384	360,519	7.7	741,694	15.9	1,466,989	950,688	3,550,614	299,844	8.3
57 MOUNTAIN:														
58 Montana.....	548,889	299,941	248,948	275,803	164,837	93,620	17.1	1,658	0.3	135,886	102,621	421,443	9,544	2.3
59 Idaho.....	431,866	233,919	197,947	294,252	92,453	38,963	9.0	920	0.2	122,278	95,027	329,051	4,924	1.5
60 Wyoming.....	194,402	110,359	84,043	122,884	42,007	25,255	13.0	1,375	0.7	47,474	34,387	150,993	3,140	2.1
61 Colorado.....	939,629	492,731	446,898	603,041	204,108	116,954	12.4	11,318	1.2	239,926	175,745	747,485	24,208	3.2
62 New Mexico.....	360,350	190,456	169,894	273,317	32,279	16,799	8.1	5,733	1.6	109,738	75,119	267,595	41,637	15.6
63 Arizona.....	334,162	183,002	150,560	151,145	62,205	78,099	23.4	8,005	2.4	80,464	54,387	255,461	30,131	15.3
64 Utah.....	449,396	232,051	217,345	245,781	139,665	56,455	12.6	1,446	0.3	136,039	107,068	331,530	6,264	1.9
65 Nevada.....	77,407	40,240	37,167	36,285	19,612	14,802	19.1	346	0.4	15,601	11,444	63,905	3,802	5.9
66 PACIFIC:														
67 Washington.....	1,356,621	734,701	621,920	711,706	358,016	250,055	18.4	6,883	0.5	321,410	238,012	1,101,929	18,526	1.7
68 Oregon.....	783,389	416,334	367,055	497,726	169,269	102,151	13.0	2,144	0.3	187,704	141,613	638,987	9,317	1.5
69 California.....	3,426,861	1,813,270	1,613,591	1,677,955	905,094	681,662	19.9	38,763	1.1	718,154	521,109	2,870,855	95,592	3.3

<sup>1</sup> The number of whites and Negroes is less than total population, because of the inclusion in the total of other nonwhites (Indians, Chinese, Japanese, and "all other").  
<sup>2</sup> Continental United States only. The total population of the United States, including outlying possessions, is 117,823,165, as follows: Continental United States, 105,710,620; Alaska, 55,036; Hawaii, 255,912; Porto Rico, 1,299,809; American Samoa, 8,056; Guam, 13,275; Panama Canal Zone, 22,858; Philippine Islands, 10,314,310 (Dec. 31, 1918); Virgin Islands, 26,051 (Nov. 1, 1917); military and naval,



## FOR POPULATION, AGRICULTURE, AND MINES AND QUARRIES.

[Table continued on following page.]

POPULATION, JAN. 1, 1920.								AGRICULTURE.							
POPULATION 21 YEARS OF AGE AND OVER.								LAND IN FARMS, 1920							
All classes.			Native white.	Foreign-born white.			Negro.		Farm population, 1920	Number of farms, 1920	Per cent operated by tenants.	Total (acres).	Average per farm.	Improved (acres).	Per cent improved.
Total.	Illiterate.			Total.	Naturalized.	Per cent illiterate.	Total.	Per cent illiterate.							
	Number.	Per cent.													
60,886,520	4,333,111	7.1	42,614,741	12,498,720	6,208,697	13.7	5,522,475	27.4	31,614,269	6,448,343	38.1	955,883,715	148.2	503,073,007	52.6
4,591,477	280,826	6.1	2,820,337	1,705,291	755,527	14.8	52,315	8.5	625,877	156,564	7.4	16,090,642	108.5	6,114,601	36.0
13,461,693	843,582	6.3	8,549,960	4,477,752	2,024,019	10.7	409,441	6.0	1,892,789	425,147	20.7	40,572,001	95.4	2,562,107	65.5
13,025,595	480,238	3.7	9,070,916	2,978,575	1,570,667	11.4	356,341	8.7	4,018,633	1,084,744	28.1	117,735,179	108.5	87,894,835	74.7
7,278,548	180,016	2.5	5,777,875	1,231,794	874,132	6.5	187,865	12.5	5,171,696	1,090,951	34.2	250,973,229	234.3	171,394,439	66.7
7,212,523	1,008,764	14.0	4,805,560	287,215	131,423	13.5	2,111,952	31.5	6,410,698	1,158,976	46.8	97,775,243	84.4	48,500,886	49.6
4,523,944	700,098	15.5	3,171,417	67,242	38,335	9.3	1,284,069	34.1	5,182,937	1,051,600	49.7	78,897,463	75.0	44,380,132	56.3
5,243,779	611,363	11.7	3,790,823	357,220	114,258	20.1	1,062,244	30.5	5,228,199	996,088	52.9	173,449,127	174.1	64,189,606	37.0
1,888,921	113,384	6.0	1,421,859	394,088	210,864	12.7	23,881	5.8	1,168,367	244,109	15.4	117,337,226	480.7	30,105,868	25.7
3,070,077	116,240	3.2	2,584,968	930,023	482,872	8.8	34,367	5.4	1,014,173	234,164	20.1	50,152,705	239.8	23,921,533	42.6
475,191	18,572	3.9	370,356	94,329	40,479	12.0	876	6.8	197,601	48,227	4.2	5,425,068	112.5	1,077,329	36.4
281,026	15,257	5.4	198,481	82,049	36,621	14.4	388	7.7	76,021	20,523	6.7	2,698,806	126.9	702,902	27.0
177,042	8,152	3.8	178,442	98,232	49,826	12.6	342	8.2	125,263	29,073	11.6	4,233,811	145.7	1,601,565	39.9
2,411,507	142,750	5.9	1,889,441	988,013	441,416	13.5	30,412	8.2	118,554	32,001	7.1	2,494,477	77.9	908,834	36.4
368,637	30,319	8.2	204,916	156,866	78,175	17.5	6,554	12.5	15,136	4,083	15.5	331,600	81.2	132,855	40.1
838,074	65,776	7.8	478,701	344,902	139,011	18.1	13,743	7.5	93,302	22,655	8.5	1,898,980	83.8	701,086	36.9
6,514,681	415,359	6.4	3,832,852	2,528,497	1,153,813	15.2	142,544	3.4	800,747	193,195	19.2	20,632,803	166.8	13,158,781	63.8
1,897,884	124,358	6.6	1,145,506	675,222	305,516	16.3	75,671	7.5	143,708	29,702	23.0	2,282,685	76.8	1,555,607	68.2
5,039,091	303,865	6.0	3,571,608	1,274,033	565,290	20.1	191,226	7.3	948,334	202,250	21.9	17,057,513	87.3	11,847,719	67.1
3,558,481	126,045	3.6	2,807,874	622,523	293,535	13.4	126,940	9.7	1,139,329	256,605	29.5	23,515,888	91.6	18,542,353	78.9
1,779,820	50,147	2.8	1,585,076	140,373	63,567	12.4	53,935	11.7	907,295	205,126	32.0	21,093,332	102.7	16,680,212	79.2
3,944,197	169,127	4.3	2,694,677	1,117,928	639,446	11.7	128,450	7.9	1,098,262	237,181	42.7	31,974,775	134.8	27,294,533	85.4
2,215,426	85,613	3.9	1,604,907	663,160	330,958	10.5	43,407	4.9	848,710	190,447	17.7	19,032,661	96.9	12,025,521	67.9
1,527,661	48,706	3.2	1,084,382	434,591	249,161	8.8	3,609	4.8	920,037	189,295	14.4	22,148,223	117.0	12,452,216	56.2
1,380,834	32,869	2.4	906,810	462,552	319,390	5.6	6,666	3.5	897,181	178,478	24.7	30,221,758	160.3	21,481,710	71.1
1,228,682	19,444	1.4	1,201,080	214,479	153,271	5.0	12,568	9.9	984,799	213,439	41.7	33,474,896	156.8	28,606,051	85.5
2,038,814	77,348	3.8	1,743,813	178,551	104,448	10.0	121,328	14.3	1,211,346	263,004	28.8	34,774,679	132.2	24,832,066	71.4
322,018	9,373	2.9	198,345	121,047	91,187	5.9	336	4.8	394,500	77,690	25.6	36,214,751	466.1	24,593,178	67.8
344,846	7,640	2.2	267,595	78,027	55,164	4.9	520	6.7	362,221	74,637	34.9	34,638,461	464.1	18,190,250	52.5
738,310	12,972	1.8	585,753	140,869	89,783	6.6	9,437	5.7	584,172	124,417	42.9	42,225,475	330.4	23,109,024	54.7
1,024,144	20,970	2.0	884,979	101,209	60,880	10.2	37,010	11.2	737,377	165,286	40.4	45,425,179	274.8	30,600,760	67.4
136,521	10,088	7.4	100,114	18,245	8,027	18.2	18,113	24.6	51,212	10,140	39.3	944,511	93.1	653,052	69.1
862,391	58,877	6.8	626,888	93,624	49,764	14.3	141,991	22.2	279,225	47,998	28.9	4,757,999	99.3	3,136,728	65.9
305,255	10,190	3.3	204,804	26,376	14,712	6.4	73,448	10.7	894	204	41.7	5,668	27.8	4,258	75.1
1,207,074	162,376	13.5	827,272	27,851	14,057	7.5	351,231	29.3	1,064,417	186,242	25.6	18,561,112	90.7	9,460,492	51.0
752,344	61,468	8.2	645,641	55,465	14,141	25.4	51,145	32.4	477,924	87,289	16.2	9,599,790	109.6	5,520,308	57.7
1,210,727	204,492	16.9	846,567	6,488	3,235	7.0	342,755	38.4	1,501,227	299,703	43.5	20,021,736	74.2	8,198,409	40.9
779,991	179,482	23.0	399,855	5,941	3,062	0.5	376,930	38.7	1,074,693	192,693	64.5	12,420,675	64.5	6,184,150	49.8
1,421,606	261,294	18.4	831,173	14,855	8,316	5.6	575,330	35.8	1,685,213	310,732	66.6	25,441,061	81.9	13,055,209	51.3
536,614	58,497	10.9	316,746	38,370	16,109	6.6	181,008	24.8	281,898	54,005	25.3	6,046,691	112.0	2,297,271	38.0
1,289,496	136,235	10.6	1,116,037	29,488	18,493	7.5	143,881	26.4	1,304,862	270,626	33.4	21,612,772	79.9	13,075,746	64.7
1,214,947	153,163	12.6	955,125	14,319	7,708	8.7	245,395	26.9	1,271,708	252,774	41.1	19,510,856	77.2	11,185,302	57.3
1,143,395	228,565	20.0	685,926	16,105	8,503	11.3	441,130	38.8	1,335,885	256,099	57.9	19,576,856	76.4	9,893,407	50.5
876,106	182,135	20.8	414,329	7,330	3,631	13.4	453,663	35.9	1,270,482	272,101	60.1	18,190,979	66.9	9,325,677	51.2
867,292	99,413	11.5	611,737	13,166	7,569	8.3	242,234	26.5	1,147,049	232,604	51.3	17,456,750	75.0	9,210,556	52.8
924,184	220,980	24.9	522,789	41,228	15,196	22.6	359,251	43.8	786,050	135,463	57.1	10,019,822	74.0	5,620,226	56.2
1,021,588	48,076	4.7	884,745	36,108	19,372	13.4	76,331	16.4	1,017,327	191,988	51.0	31,951,934	166.4	18,125,321	56.7
2,430,715	233,894	9.6	1,777,552	206,718	72,121	33.3	384,428	23.4	2,277,773	436,033	53.3	114,020,621	261.5	31,227,503	27.4
320,562	9,071	2.8	226,355	85,709	56,627	6.0	1,262	6.7	225,687	57,677	11.3	35,070,656	608.1	11,007,278	31.4
234,076	4,510	1.9	193,818	36,170	23,894	6.6	699	5.9	200,902	42,106	15.9	8,375,873	198.9	4,511,680	53.9
115,739	2,940	2.5	89,625	23,057	12,008	9.2	1,065	6.1	67,305	15,748	12.5	11,809,351	749.9	2,102,005	17.8
564,520	22,080	3.9	448,781	105,017	62,318	12.8	8,106	7.4	266,073	59,934	23.0	24,462,014	408.1	7,744,757	31.7
185,186	34,952	18.9	149,224	21,833	5,881	28.6	4,809	4.4	161,446	29,844	12.2	24,409,633	817.9	1,717,224	7.0
187,929	30,636	10.3	108,656	55,973	10,708	28.7	6,559	4.8	90,580	9,975	18.1	5,802,126	581.7	712,803	12.3
228,682	5,679	2.5	171,375	52,254	33,192	6.5	1,104	5.0	140,249	25,662	10.9	5,050,411	196.8	1,715,380	34.0
52,218	3,516	6.7	34,025	13,895	6,236	8.5	277	4.7	16,164	3,163	9.4	2,357,163	745.2	594,741	25.2
857,079	17,777	2.1	602,088	230,435	133,917	5.0	5,208	4.6	283,382	66,288	18.7	13,244,720	199.8	7,129,343	53.8
494,968	8,905	1.8	390,723	94,807	55,480	5.4	1,620	5.5	214,621	50,206	18.8	13,542,318	269.7	4,913,851	36.3
2,318,030	89,558	3.9	1,692,177	614,381	293,475	10.7	27,539	5.6	516,770	117,670	21.4	29,365,667	249.6	11,878,339	40.4



## SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISIONS AND STATES.

Table continued from preceding page.]

1	DIVISION AND STATE.	AGRICULTURE—Continued.								
		VALUE OF FARM PROPERTY: 1920				VALUE OF FARM PRODUCTS: 1919				
		Total.	Land and buildings.	Implements and machinery.	Live stock.	Total (gross value). <sup>1</sup>	Live-stock products. <sup>2</sup>	Domestic animals sold, etc. <sup>3</sup>	Crops.	Miscellaneous products. <sup>4</sup>
		Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
1	United States.....	77,924,100,338	66,316,002,602	3,594,772,928	8,013,324,808	21,425,623,614	2,667,072,273	3,511,050,000	14,755,364,894	492,136,447
2	GEOGRAPHIC DIVISIONS:									
3	New England.....	1,173,019,594	917,463,584	92,387,525	163,163,485	505,397,039	132,411,030	55,500,000	275,175,536	42,310,473
4	Middle Atlantic.....	3,949,684,183	3,002,137,754	359,152,336	588,394,093	1,561,158,784	412,960,765	170,200,000	914,499,927	63,498,092
5	East North Central.....	17,245,362,593	14,937,641,671	786,076,805	1,521,644,117	4,410,240,680	721,387,462	784,200,000	2,818,367,792	86,285,426
6	West North Central.....	27,991,434,545	24,469,495,169	1,162,938,264	2,359,001,112	5,581,297,432	550,742,614	1,312,600,000	3,676,902,149	41,052,609
7	South Atlantic.....	6,132,917,760	5,291,773,472	283,980,857	647,163,431	2,629,345,466	204,301,963	221,550,000	2,083,808,429	119,685,074
8	East South Central.....	4,419,466,237	3,663,693,363	176,064,856	579,707,988	1,795,544,716	159,643,789	256,500,000	1,306,179,989	73,220,938
9	West South Central.....	7,622,666,027	6,291,188,072	311,098,790	1,019,779,165	2,739,481,559	181,346,648	352,200,000	2,168,622,649	37,312,262
10	Mountain.....	4,083,137,939	3,163,187,783	190,715,673	729,234,483	921,882,633	121,132,969	230,700,000	562,954,399	7,095,265
11	Pacific.....	5,307,011,460	4,609,416,734	232,357,792	405,236,934	1,281,275,305	183,145,033	127,600,000	948,854,024	21,676,248
12	NEW ENGLAND:									
13	Maine.....	270,526,733	204,108,971	26,637,660	39,780,102	154,076,196	26,075,219	15,700,000	100,152,324	12,148,653
14	New Hampshire.....	118,056,115	89,995,870	9,499,322	19,160,923	51,771,331	14,681,368	7,700,000	23,509,665	5,880,298
15	Vermont.....	222,736,620	159,117,159	21,234,130	42,385,331	99,473,142	31,573,340	13,300,000	47,999,600	6,600,262
16	Massachusetts.....	300,471,743	247,587,831	19,350,755	33,524,157	109,223,194	33,850,892	10,900,000	53,700,925	17,771,377
17	Rhode Island.....	33,634,766	26,387,926	2,408,561	4,840,279	13,682,138	5,367,881	1,300,000	5,340,378	1,673,879
18	Connecticut.....	226,991,617	190,270,827	13,248,097	23,472,693	77,171,038	20,862,330	6,600,000	44,472,644	5,236,064
19	MIDDLE ATLANTIC:									
20	New York.....	1,908,483,201	1,425,061,740	160,866,766	313,554,695	743,823,392	225,465,739	71,000,000	417,046,864	30,310,789
21	New Jersey.....	311,847,948	250,323,986	25,489,205	36,064,757	135,000,544	31,482,945	8,700,000	87,484,186	7,333,413
22	Pennsylvania.....	1,729,353,034	1,326,752,028	163,826,365	238,774,641	682,334,848	156,012,081	90,500,000	409,968,877	25,853,890
23	EAST NORTH CENTRAL:									
24	Ohio.....	3,095,666,336	2,661,435,949	146,575,269	287,655,118	941,729,097	155,587,019	159,400,000	607,037,562	19,704,216
25	Indiana.....	3,042,311,247	2,653,643,973	127,403,086	261,264,188	782,101,167	99,350,023	171,100,000	497,229,719	14,421,425
26	Illinois.....	6,666,767,235	5,997,993,566	222,619,005	446,154,064	1,298,006,947	142,351,262	274,800,000	804,737,833	17,017,852
27	Michigan.....	1,763,334,778	1,436,686,210	122,389,936	204,258,632	606,886,581	111,076,235	75,600,000	404,014,810	16,195,536
28	Wisconsin.....	2,677,282,907	2,187,881,973	167,088,909	322,312,115	780,616,288	213,022,023	103,300,000	445,347,868	18,946,397
29	WEST NORTH CENTRAL:									
30	Minnesota.....	3,787,420,118	3,301,168,325	181,087,968	305,163,825	734,485,441	113,236,965	104,000,000	508,020,233	11,228,243
31	Iowa.....	3,524,870,956	3,001,772,200	309,172,398	613,926,268	1,447,938,473	130,250,447	420,300,000	890,391,299	6,990,727
32	Missouri.....	3,041,068,085	2,602,967,700	138,261,340	389,839,045	952,063,253	105,601,436	270,800,000	559,047,854	17,213,963
33	North Dakota.....	1,759,742,995	1,488,521,495	114,186,865	157,034,635	368,055,889	30,979,932	34,900,000	301,782,935	393,022
34	South Dakota.....	2,823,870,212	2,472,893,681	112,408,268	238,568,263	611,111,307	35,739,209	63,700,000	311,000,809	665,280
35	Nebraska.....	4,201,655,992	3,712,107,760	153,104,448	336,443,784	784,677,206	54,612,075	208,700,000	519,729,771	1,635,360
36	Kansas.....	3,302,806,187	2,830,063,918	154,716,977	318,025,292	882,365,863	80,322,550	210,200,000	588,923,248	2,920,065
37	SOUTH ATLANTIC:									
38	Delaware.....	80,137,614	64,755,631	6,781,318	8,600,665	32,182,526	5,778,747	2,400,000	23,058,906	944,873
39	Maryland.....	463,638,120	386,596,850	28,970,020	48,071,250	158,178,779	25,522,172	16,500,000	109,858,608	5,997,909
40	District of Columbia.....	5,927,987	5,577,369	104,252	246,366	1,019,770	119,263	50,000	307,614	542,893
41	Virginia.....	1,196,555,772	1,024,435,025	50,151,466	121,969,281	425,199,212	46,311,494	61,100,000	292,824,260	24,063,458
42	West Virginia.....	496,439,617	410,783,406	18,395,058	67,261,153	169,066,516	26,332,970	34,600,000	96,537,459	11,696,087
43	North Carolina.....	1,250,166,995	1,076,392,960	54,621,363	119,152,672	614,084,854	35,860,056	41,600,000	503,229,313	33,395,485
44	South Carolina.....	953,064,742	813,484,200	48,062,387	91,518,155	489,979,710	20,354,060	18,000,000	437,121,837	14,503,813
45	Georgia.....	1,356,685,196	1,138,208,627	63,343,220	155,043,340	638,430,053	36,401,316	39,000,000	540,613,626	22,416,111
46	Florida.....	330,301,717	281,449,404	13,551,773	35,300,540	101,204,046	7,621,885	8,000,000	80,256,866	5,325,355
47	EAST SOUTH CENTRAL:									
48	Kentucky.....	1,511,901,077	1,305,158,936	48,354,857	158,387,284	512,459,424	50,928,217	96,500,000	347,338,888	17,392,319
49	Tennessee.....	1,251,964,585	1,024,979,894	53,462,556	173,522,135	492,407,214	50,960,694	101,000,000	318,285,307	22,161,213
50	Alabama.....	690,848,720	543,687,751	34,366,217	112,824,748	383,178,279	30,426,993	29,100,000	304,348,638	19,302,648
51	Mississippi.....	964,751,855	789,896,778	39,881,256	134,973,821	407,499,799	27,327,885	29,600,000	336,207,156	14,364,758
52	WEST SOUTH CENTRAL:									
53	Arkansas.....	924,395,483	753,110,666	43,432,237	127,852,580	424,486,802	30,083,950	39,400,000	340,813,256	14,189,596
54	Louisiana.....	539,826,679	474,038,793	32,715,010	83,072,876	237,628,052	13,613,465	12,100,000	206,182,548	5,732,039
55	Oklahoma.....	1,660,423,544	1,363,865,204	80,630,547	215,927,793	707,895,000	49,887,518	108,800,000	550,084,742	4,122,740
56	Texas.....	4,447,420,321	3,700,173,310	154,320,966	592,926,006	1,369,471,705	87,761,715	196,900,000	1,071,542,103	13,267,887
57	MOUNTAIN:									
58	Montana.....	985,961,308	776,767,529	55,004,212	154,189,567	142,567,141	24,809,020	46,000,000	69,975,185	1,812,927
59	Idaho.....	716,137,910	581,511,964	38,417,253	96,208,693	181,709,556	22,225,355	30,500,000	126,495,111	2,489,090
60	Wyoming.....	334,410,590	234,748,125	11,777,949	87,884,516	68,153,818	14,004,109	23,700,000	30,270,620	179,079
61	Colorado.....	1,076,794,749	866,013,660	49,804,509	100,970,580	280,295,333	26,921,292	70,600,000	181,065,239	1,708,802
62	New Mexico.....	325,185,999	221,814,212	9,745,369	93,626,418	75,172,758	8,447,626	25,700,000	40,619,634	405,298
63	Arizona.....	233,592,989	172,325,321	8,820,667	52,447,001	59,771,694	6,294,886	10,900,000	42,481,230	95,578
64	Utah.....	311,274,728	243,751,758	13,514,787	54,008,183	87,764,314	13,735,823	15,600,000	58,067,067	361,424
65	Nevada.....	99,779,666	66,255,214	3,630,927	20,899,625	26,418,019	4,694,649	7,700,000	13,980,303	43,067
66	PACIFIC:									
67	Washington.....	1,057,429,848	920,392,341	54,721,377	82,316,130	301,271,159	44,066,349	23,900,000	227,212,008	6,092,802
68	Oregon.....	818,559,751	675,213,284	41,567,125	101,779,342	209,459,266	35,146,671	36,200,000	131,884,639	6,227,956
69	California.....	3,431,021,861	3,073,811,109	136,069,290	221,141,462	770,544,880	163,932,613	67,500,000	589,757,377	9,355,490

<sup>1</sup> The gross value of farm products, obtained by adding the value of crops, live-stock products, etc., contains a considerable amount of duplication, on account of crops fed to live stock. It is roughly analogous to the value of products in manufactures, with its duplication on account of the use of the products of one establishment as materials in another.

<sup>2</sup> These include dairy products, wool and mohair, eggs and chickens, and honey and wax.

<sup>3</sup> Estimated value of domestic animals sold by farmers and animals slaughtered on the farms, whether for sale or for home consumption.

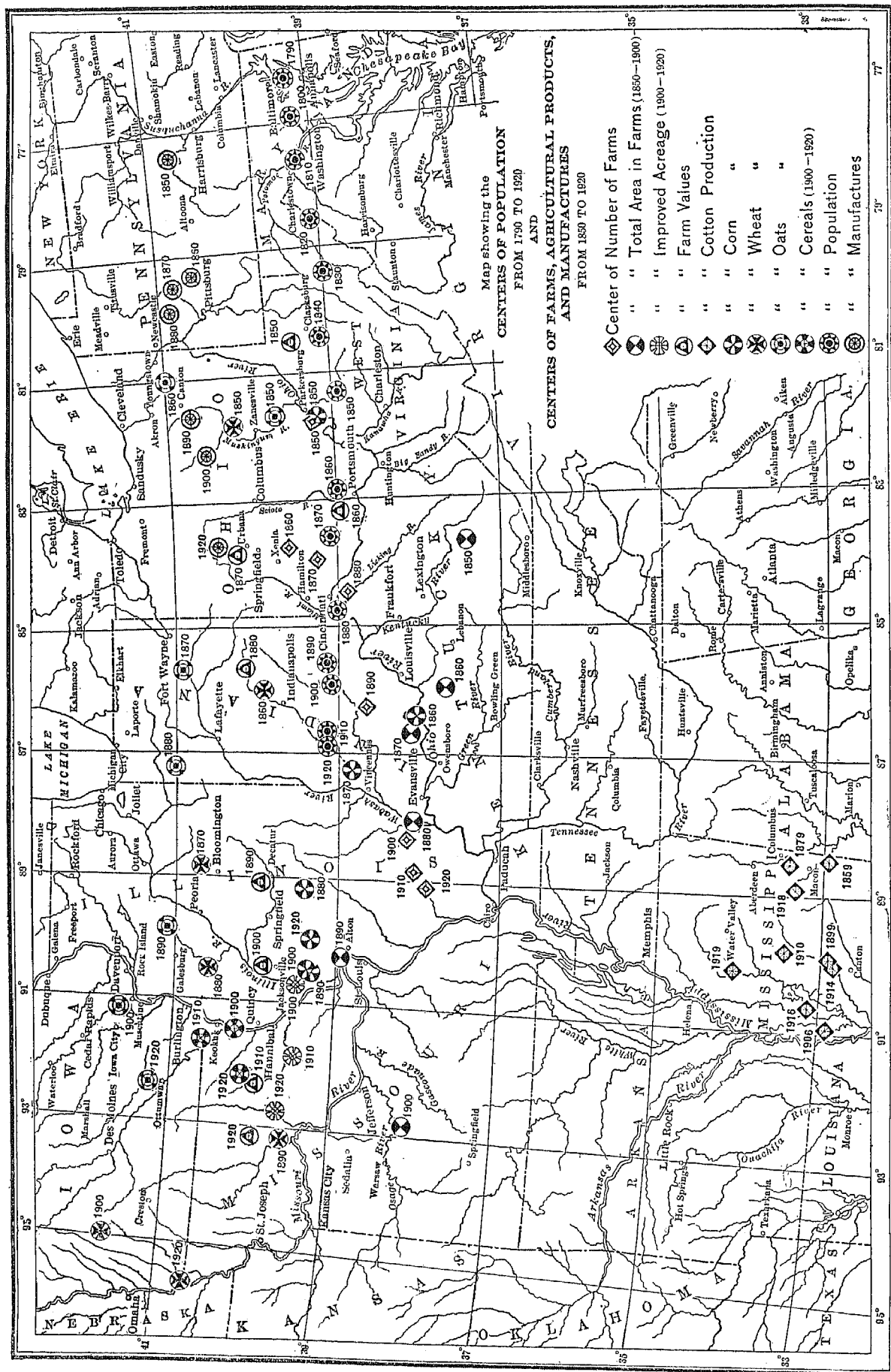
<sup>4</sup> These include forest products of farms valued (for the United States) at \$391,321,828, nursery products valued at \$20,434,389, and greenhouse products valued at \$77,380,230.



## FOR POPULATION, AGRICULTURE, MANUFACTURES, AND MINES AND QUARRIES.

MANUFACTURES.*													MINES AND QUARRIES.*																					
Number of establishments.	AVERAGE NUMBER OF WAGE EARNERS.				Wages.	Cost of materials.	VALUE OF PRODUCTS.				Number of establishments.	Number of mines and quarries.	Number of wells.	AVERAGE NUMBER OF WAGE EARNERS. <sup>b</sup>		Wages.	VALUE OF PRODUCTS.		Rank.	Number of establishments.	Number of mines and quarries.	Number of wells.												
	Total.	Rank.	Per cent distribution.	Male.			Female.	Amount.	Rank.	Per cent distribution.				Total.	Per cent distribution.		Amount.	Per cent distribution.																
																							Expressed in thousands.						Expressed in thousands.					
																							Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
290, 105	9,096,372	....	100.0	7,267,030	1,829,342	10,533,400	37,376,380	62,418,079	....	100.0	21,280	13,844	257,673	981,560	100.0	1,295,936	3,158,464	100.0	1															
25,528	1,351,389	3	14.9	955,597	395,792	1,436,435	3,951,908	7,183,071	3	11.5	302	334	.....	7,213	0.7	8,034	18,724	0.6	2															
88,360	2,872,653	1	31.6	2,179,258	693,395	3,464,931	11,424,096	19,854,773	1	31.8	6,604	3,870	91,511	334,175	34.0	458,108	853,891	27.0	3															
61,332	2,396,618	2	26.3	2,030,024	366,594	2,992,931	10,621,687	17,737,480	2	28.4	3,772	2,324	54,413	190,011	19.4	237,638	480,483	15.2	4															
29,166	499,635	5	5.5	408,360	91,266	546,172	3,778,125	5,187,065	4	8.3	1,726	1,270	12,691	62,253	6.3	84,268	280,111	8.9	5															
29,976	817,212	4	9.0	658,092	159,120	778,027	2,596,265	4,455,152	5	7.1	2,284	1,976	27,363	129,707	13.2	149,276	352,074	11.1	6															
14,655	329,226	7	3.6	286,147	43,079	298,712	977,924	1,642,391	8	2.6	1,405	1,475	5,228	90,612	9.2	98,768	181,645	5.8	7															
13,909	285,244	8	3.1	261,967	23,277	263,022	1,547,994	2,277,861	7	3.6	2,821	495	50,087	60,936	6.3	88,445	490,727	15.5	8															
7,612	109,216	9	1.2	101,858	7,358	141,902	610,239	922,676	9	1.5	1,508	1,598	1,183	81,519	8.3	131,192	321,825	10.2	9															
19,567	435,179	6	4.8	385,718	49,461	581,269	1,898,242	3,157,610	6	5.1	858	502	9,197	25,134	2.6	40,207	178,984	5.7	10															
2,995	88,651	24	1.0	68,530	20,121	94,225	254,569	456,822	28	0.7	50	51	.....	979	0.1	1,052	1,824	0.1	11															
1,499	83,074	25	0.9	57,667	25,407	79,326	239,528	407,205	29	0.7	30	33	.....	682	0.1	825	1,568	( <sup>c</sup> )	12															
1,790	33,491	37	0.4	28,613	4,878	34,684	95,173	168,108	38	0.3	93	109	.....	2,936	0.3	3,041	8,555	0.3	13															
11,906	713,836	4	7.8	490,006	223,830	766,023	2,280,713	4,011,182	5	6.4	74	79	.....	1,704	0.2	2,069	4,176	0.1	14															
2,466	139,665	15	1.5	89,734	49,931	137,495	415,989	747,323	19	1.2	14	15	.....	369	( <sup>c</sup> )	400	952	( <sup>c</sup> )	15															
4,872	292,672	8	3.2	221,047	71,625	324,682	689,937	1,392,432	12	2.2	41	47	.....	543	0.1	647	1,649	0.1	16															
49,330	1,228,130	1	13.5	876,680	351,450	1,458,207	4,943,214	8,867,005	1	14.2	700	147	14,186	6,202	0.6	7,497	25,131	0.8	17															
11,057	508,686	6	5.6	398,419	120,267	600,658	2,270,473	3,672,065	6	5.9	97	102	.....	4,576	0.5	5,393	9,309	0.3	18															
27,973	1,135,837	2	12.5	914,159	221,678	1,406,066	4,210,409	7,515,703	2	11.7	5,807	3,621	77,325	323,397	32.9	445,218	819,451	25.9	19															
10,125	730,733	3	8.0	625,068	105,665	944,652	2,911,948	5,100,309	4	8.2	2,283	1,064	35,440	49,298	5.0	58,110	134,519	4.3	20															
7,916	277,580	9	3.1	235,805	41,775	317,043	1,174,950	1,898,753	9	3.0	503	398	2,456	26,761	2.7	30,193	62,840	1.7	21															
18,593	663,114	5	7.2	527,205	125,909	801,087	3,488,271	5,426,245	3	8.7	772	590	16,498	79,123	8.1	94,179	178,673	5.7	22															
8,305	471,242	7	5.2	417,708	53,534	639,708	1,919,243	3,466,188	7	5.6	122	165	19	31,292	3.2	50,406	103,870	3.3	23															
10,393	263,949	10	2.9	223,638	40,311	290,441	1,127,275	1,846,984	10	3.0	92	107	.....	3,547	0.4	4,750	10,681	0.3	24															
6,225	115,623	19	1.3	96,704	18,919	127,107	883,090	1,218,130	13	2.0	135	196	.....	17,265	1.8	29,383	130,399	4.1	25															
5,683	80,551	27	0.9	68,050	12,471	90,117	520,241	745,473	20	1.2	198	226	.....	11,274	1.1	12,467	18,474	0.6	26															
8,592	195,037	12	2.1	147,635	47,402	196,515	1,050,437	1,594,208	11	2.5	468	494	.....	14,857	1.5	16,777	33,366	1.1	27															
894	4,472	48	( <sup>c</sup> )	4,136	336	5,401	44,490	57,374	47	0.1	79	79	.....	774	0.1	1,029	1,927	0.1	28															
1,414	6,382	46	0.1	5,719	663	7,005	42,986	62,171	46	0.1	23	28	.....	1	1,785	2,497	5,314	0.2	29															
2,884	36,521	35	0.4	31,275	5,246	46,067	480,774	596,042	24	1.0	9	9	.....	162	( <sup>c</sup> )	166	293	( <sup>c</sup> )	30															
3,474	61,049	31	0.7	54,820	6,229	73,050	750,088	913,667	16	1.5	814	238	12,690	16,136	1.6	21,949	90,338	2.9	31															
668	29,035	39	0.3	24,744	4,291	37,265	85,433	165,073	40	0.3	7	8	.....	110	( <sup>c</sup> )	136	244	( <sup>c</sup> )	32															
4,937	140,342	14	1.5	104,977	35,365	147,867	549,347	873,945	17	1.4	126	161	.....	5,628	0.6	6,152	9,699	0.3	33															
595	10,482	43	0.1	9,193	1,280	13,189	30,940	68,826	45	0.1	3	3	.....	12	( <sup>c</sup> )	8	16	( <sup>c</sup> )	34															
5,603	119,352	18	1.3	99,353	10,999	120,007	371,541	643,512	23	1.0	202	216	.....	14,547	1.5	16,108	29,363	0.9	35															
2,785	83,036	26	0.9	74,684	8,352	101,840	270,941	471,971	27	0.8	1,714	1,325	27,363	109,812	10.3	119,578	295,607	9.3	36															
5,999	157,659	13	1.7	116,391	41,268	126,680	526,906	948,808	15	1.5	102	106	.....	1,890	0.2	1,489	2,736	0.1	37															
2,004	79,450	28	0.9	60,800	18,650	62,566	227,986	381,453	32	0.6	20	20	.....	933	0.1	680	1,351	( <sup>c</sup> )	38															
4,803	123,441	17	1.4	99,282	24,159	141,180	440,490	693,237	21	1.1	74	82	.....	2,397	0.2	2,017	4,082	0.1	39															
2,582	74,415	29	0.8	65,668	5,747	67,433	92,680	213,327	35	0.3	36	55	.....	3,372	0.3	3,108	8,976	0.3	40															
3,957	69,340	30	0.8	58,584	10,756	67,034	235,715	395,660	31	0.6	938	864	5,214	43,563	4.4	49,551	98,487	3.1	41															
4,589	95,167	23	1.0	76,187	18,980	81,355	344,767	556,253	25	0.9	203	263	14	14,470	1.5	12,987	23,292	0.7	42															
3,654	107,159	21	1.2	96,783	10,376	99,066	300,664	492,731	26	0.8	264	348	.....	32,579	3.3	36,230	59,806	1.9	43															
2,455	57,560	33	0.6	54,593	2,967	51,256	96,678	197,747	37	0.3	( <sup>c</sup> )	.....	.....	.....	.....	.....	.....	.....	44															
3,123	49,954	34	0.5	47,838	2,116	47,186	102,813	200,313	36	0.3	126	126	124	3,630	0.4	4,573	8,404	0.3	45															
2,617	98,265	22	1.1	83,259	10,006	94,400	431,404	676,190	22	1.1	137	4	2,479	5,228	0.5	7,505	40,017	1.3	46															
2,445	20,503	38	0.3	27,646	1,857	35,026	312,606	401,363	30	0.6	1,934	284	44,735	33,914	3.5	46,809	281,928	8.9	47															
5,724	107,522	20	1.2	98,224	9,298	116,404	701,171	999,996	14	1.6	624	81	8,749	18,104	1.9	29,558	160,378	5.1	48															
1,290	17,160	41	0.2	16,608	552	24,743	122,152	166,664	39	0.3	259	269	28	16,129	1.6	25,724	49,924	1.6	49															
922	13,917	42	0.2	13,445	472	18,547	43,949	80,511	44	0.1	82	83	.....	2,455	0.3	4,202	11,840	0.4	50															
576	6,634	45	0.1	6,545	89	11,189	42,250	81,445	43	0.1	106	87	1,084	9,699	1.0	14,570	41,929	1.3	51															
2,631	35,254	36	0.4	31,902	3,352	42,975	174,870	275,6																										





NOTE.—The centers for manufactures and for all crops except cotton are based on data for the year preceding the census year indicated on the map; for the centers of cotton production the exact dates are shown on the map.



# CALIFORNIA.

## NUMBER AND DISTRIBUTION OF INHABITANTS.

**Population of the state.**—According to the Fourteenth Census, taken as of January 1, 1920, the population of California is 3,426,861, which represents an increase of 1,049,312, or 44.1 per cent, since 1910. During the same period the population of the United

States increased by 14.9 per cent. The following summary shows the population of the state from 1850 to 1920, inclusive, with the number and per cent of increase for each decade, in comparison with the per cent of increase for the United States as a whole:

POPULATION OF CALIFORNIA: 1850 TO 1920.

CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		Per cent of increase for the United States.
		Number.	Per cent.	
1920.....	3,426,861	1,049,312	44.1	14.9
1910.....	2,377,549	892,496	60.1	21.0
1900.....	1,485,053	271,655	22.4	20.7
1890.....	1,213,398	348,704	40.3	25.5
1880.....	864,694	304,447	54.3	30.1
1870.....	560,247	180,253	47.4	22.6
1860.....	379,994	<sup>1</sup> 287,397	<sup>1</sup> 310.4	35.6
1850.....	<sup>1</sup> 92,597			

<sup>1</sup> Returns for 1850 incomplete, those for Contra Costa and Santa Clara Counties having been lost and those for San Francisco having been destroyed by fire.

**Counties.**—California has 58 counties, of which 44 show increases and 14 decreases as compared with 1910. (See Table 1.) Annexations of territory from one county to another since 1910 have resulted in changes in the boundaries of Butte, Eldorado, Glenn, Kern, Lake, Los Angeles, Mendocino, Placer, Riverside, San Bernardino, Sonoma, and Ventura Counties.

**Density of population.**—The total land area of the state is 155,652 square miles. The average number of inhabitants to the square mile in 1920 is 22 (see Table 1), as against 15.3 in 1910 and 9.5 in 1900.

**Minor civil divisions.**—The political units into which the counties are divided are collectively termed "minor civil divisions." San Francisco County is

coextensive with San Francisco city. In the remaining 57 counties of the state the primary divisions are the judicial townships, 580 in number, for which the population is presented separately in Table 2. The secondary divisions are 253 in number, comprising 183 cities and 70 towns. Each of 10 cities and 2 towns is coextensive with the township in which located, and each of 7 cities comprises 2 or more townships or parts of townships. In addition to these primary and secondary divisions, there are 10 Indian reservations in the state. Although these reservations are independent of the county organizations, the population of each is treated as a part of the total population of the county in which it is located. (See Table 2.)

**HISTORICAL NOTE.**—California was named by Spanish discoverers from a fabulous island described in a Spanish romance as "on the right hand of the Indies \* \* \* very near to the Terrestrial Paradise."

The territory now constituting the state of California was first visited by white men in 1542, when Juan Cabrillo, a Portuguese navigator in the service of Spain, explored the coast and islands in the Santa Barbara region and probably sailed as far north as Monterey Bay. In 1579 Sir Francis Drake sailed along the coast and landed, supposedly at Drakes Bay, a few miles northwest of San Francisco. He named the country New Albion and took possession in the name of Elizabeth of England. The English did not occupy the region, however, and the first settlement was made by the Spaniards, in 1769, when the Franciscan Fathers founded a mission at San Diego. In 1776 the Mission Dolores was established where San Francisco now stands.

California was under Spanish rule until 1822, when, on the successful termination of the Mexican Revolution, it declared its independence of Spain and its allegiance to the newly established Mexican Government.

For several years prior to 1846 large numbers of immigrants from the United States had been arriving in California, and in June of that year a revolt against Mexico was begun by the American settlers. The Mexican War was already in progress, and during July and August, 1846, the American flag was raised at Monterey, San Francisco, Sonoma, Sacramento, San Jose, San Juan Bautista, San Diego, Santa Barbara, San Pedro, and Los Angeles. The final surrender of the Mexican forces to those of the United States took place in January, 1847. In February, 1848, by the Treaty of Guadalupe-Hidalgo, the Mexican claims to California and to territory north of the Gila and Rio Grande were ceded to the United States.

From 1846 to 1849 California was under military and provisional rule by the United States. In October, 1849, a state constitution was adopted by a convention held at Monterey; in the following month it was ratified by the people, and state officers were elected. On September 9, 1850, California became the thirty-first state of the Union.



Cities.—California has 184 cities, of which Los Angeles, with a population of 576,673, is the largest. San Francisco, with 506,676, and Oakland, with 216,261, are the only other cities having more than 100,000 inhabitants. (See Tables 3 and 4.) The fol-

lowing summary shows, for each city having 25,000 or more inhabitants in 1920, the population at each census for which figures are available, together with the number and per cent of increase during the preceding decade:

POPULATION OF PRINCIPAL CITIES FROM EARLIEST CENSUS TO 1920.

CITY AND CENSUS YEAR.	Popula- tion.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Popula- tion.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Popula- tion.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.			Number.	Per cent.
<b>Alameda:</b>				<b>Los Angeles—Contd.</b>				<b>San Diego—Contd.</b>			
1920.....	28,806	5,423	23.2	1870.....	5,728	1,343	30.6	1890.....	16,159	13,522	512.8
1910.....	23,383	8,919	42.0	1880.....	4,385	2,775	172.4	1880.....	2,637	337	14.7
1900.....	10,464	5,299	47.5	1850.....	1,610			1870.....	2,300	1,509	214.6
1890.....	11,165	5,457	95.6					1860.....	731		
1880.....	5,708	4,151	206.6	<b>Oakland:</b>				<b>San Francisco:<sup>1</sup></b>			
1870.....	1,557	1,097	238.5	1920.....	216,261	66,087	44.0	1920.....	506,676	89,764	21.5
1860.....	460			1910.....	150,174	83,214	124.3	1910.....	416,912	74,130	21.6
<b>Berkeley:</b>				1900.....	66,960	18,278	37.5	1900.....	342,782	43,785	14.6
1920.....	56,036	15,602	38.6	1890.....	48,682	14,127	40.9	1890.....	298,997	65,038	27.8
1910.....	40,434	27,220	206.0	1880.....	34,555	24,055	229.1	1880.....	233,959	84,486	56.5
1900.....	13,214	8,113	159.0	1870.....	10,500	8,957	580.5	1870.....	149,473	92,671	163.1
1890.....	5,101			1860.....	1,543			1860.....	56,802		
<b>Fresno:</b>				<b>Pasadena:</b>				<b>San Jose:</b>			
1920.....	45,086	20,194	81.1	1920.....	45,354	15,063	49.7	1920.....	39,642	10,606	37.0
1910.....	24,892	12,422	99.6	1910.....	30,291	21,174	232.2	1910.....	28,946	7,446	34.6
1900.....	12,470	1,652	15.3	1900.....	9,117	4,235	86.7	1900.....	21,500	3,440	19.0
1890.....	10,818	9,706	872.8	1890.....	4,882			1890.....	18,060	5,493	43.7
1880.....	1,112			<b>Sacramento:</b>				1880.....	12,567	3,478	38.3
<b>Long Beach:</b>				1920.....	65,908	21,212	47.5	1870.....	9,089		
1920.....	55,593	37,784	212.2	1910.....	44,696	15,414	52.6	<b>Stockton:</b>			
1910.....	17,809	15,557	690.8	1900.....	29,282	2,896	11.0	1920.....	40,296	17,043	73.3
1900.....	2,252	1,688	299.3	1890.....	26,386	4,966	23.2	1910.....	23,253	5,747	32.8
1890.....	564			1880.....	21,420	5,137	31.5	1900.....	17,506	3,082	21.4
<b>Los Angeles:</b>				1870.....	16,283	2,498	18.1	1890.....	14,424	4,142	40.3
1920.....	576,673	257,475	80.7	1860.....	13,785	6,965	102.1	1880.....	10,282	216	2.1
1910.....	319,198	216,719	211.5	<b>San Diego:</b>				1870.....	10,066	6,387	173.6
1900.....	102,479	52,084	103.4	1920.....	74,683	35,105	88.7	1860.....	3,679		
1890.....	50,305	39,212	350.6	1910.....	39,578	21,878	123.6				
1880.....	11,183	5,455	95.2	1900.....	17,700	1,541	9.5				

<sup>1</sup> Returns for San Francisco for 1850 destroyed by fire; population in 1852, according to state census of that year, 34,776.

Urban and rural population.—The Census Bureau defines urban population as that residing in cities and other incorporated places having 2,500 inhabitants or more, and rural population as that residing outside such incorporated places.

The following summary presents, for the last three censuses, figures showing the urban and rural population of the state distributed among places grouped according to specified limits of population. The classification for each census is based upon the population

of the various places as shown by the returns of that census. Consequently the territory comprised within any one class of cities or that designated as urban or as rural does not remain fixed, because any given place may, through the growth or the decline of its population, pass from one class to another at successive censuses. The proportion of the population of California living in places of 2,500 or more increased from 52.4 per cent in 1900 to 61.8 per cent in 1910 and to 68 per cent in 1920.

URBAN AND RURAL POPULATION: 1920, 1910, AND 1900.

CLASS OF PLACES.	1920		1910		1900		PER CENT OF TOTAL POPULATION.		
	Number of places.	Population.	Number of places.	Population.	Number of places.	Population.	1920	1910	1900
Total population.....		3,426,861		2,377,549		1,485,053	100.0	100.0	100.0
<b>Urban territory.....</b>	<b>107</b>	<b>2,331,729</b>	<b>70</b>	<b>1,469,739</b>	<b>40</b>	<b>777,699</b>	<b>68.0</b>	<b>61.8</b>	<b>52.4</b>
Cities and towns of—									
100,000 inhabitants or more.....	3	1,299,610	3	886,284	2	445,261	37.9	37.3	30.0
50,000 to 100,000 inhabitants.....	4	252,220			1	66,960	7.4		4.5
25,000 to 50,000 inhabitants.....	5	199,184	5	183,945	1	29,282	5.8	7.7	2.0
10,000 to 25,000 inhabitants.....	13	206,094	13	196,701	6	98,854	6.0	8.3	6.7
5,000 to 10,000 inhabitants.....	20	171,802	10	64,108	9	62,977	5.0	2.7	4.2
2,500 to 5,000 inhabitants.....	56	202,819	39	138,701	21	74,365	5.9	5.8	5.0
<b>Rural territory.....</b>		<b>1,095,132</b>		<b>907,810</b>		<b>707,354</b>	<b>32.0</b>	<b>38.2</b>	<b>47.6</b>
Cities and towns of less than 2,500 inhabitants.....	147	173,677	123	153,052	76	90,748	5.1	6.4	6.1
Other rural territory.....		921,455		754,758		616,606	26.9	31.7	41.5

<sup>1</sup> Includes one city not returned separately.

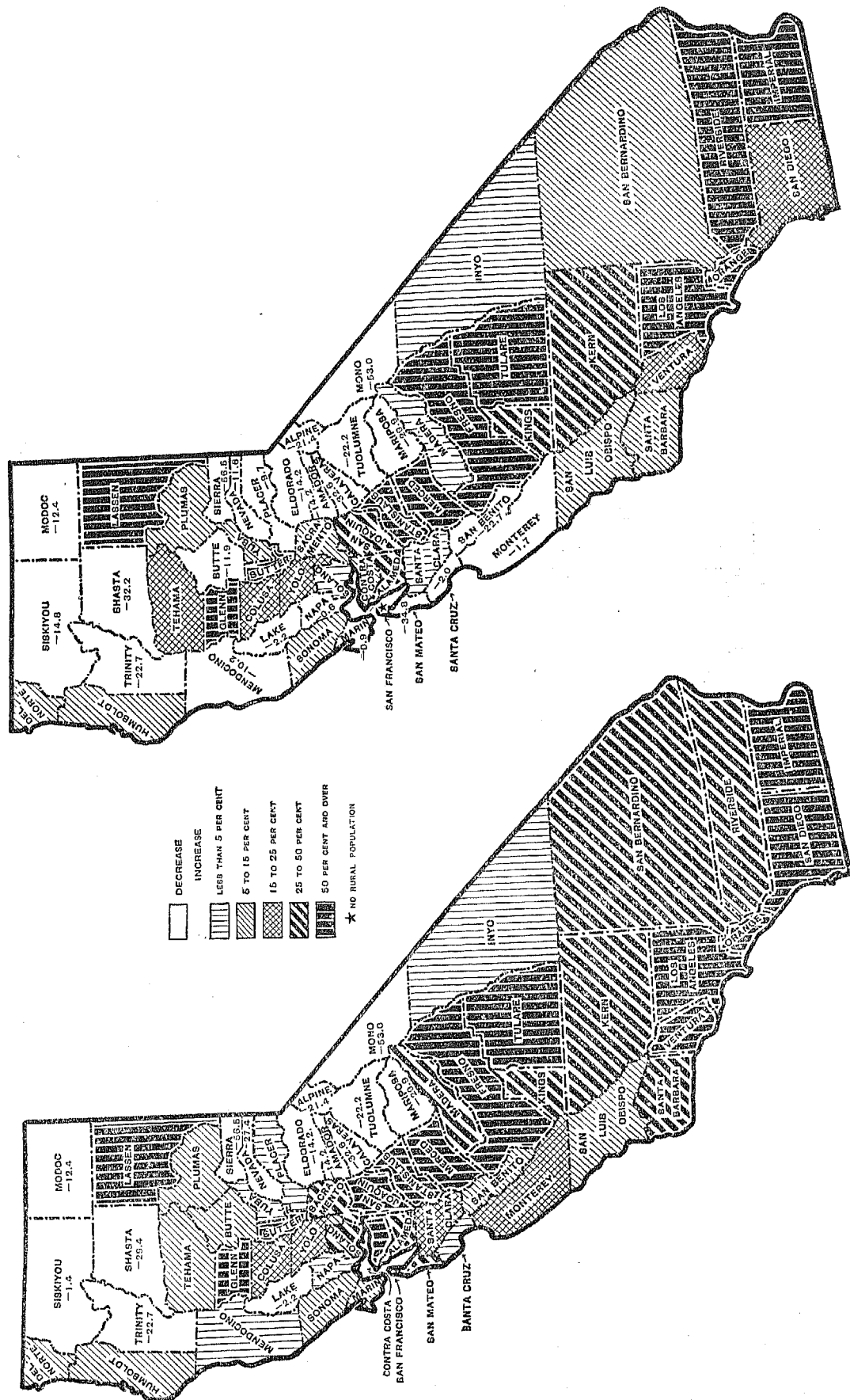


# PER CENT OF INCREASE OR DECREASE OF POPULATION OF CALIFORNIA, BY COUNTIES: 1910-1920.

Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

## RURAL POPULATION.

### TOTAL POPULATION.

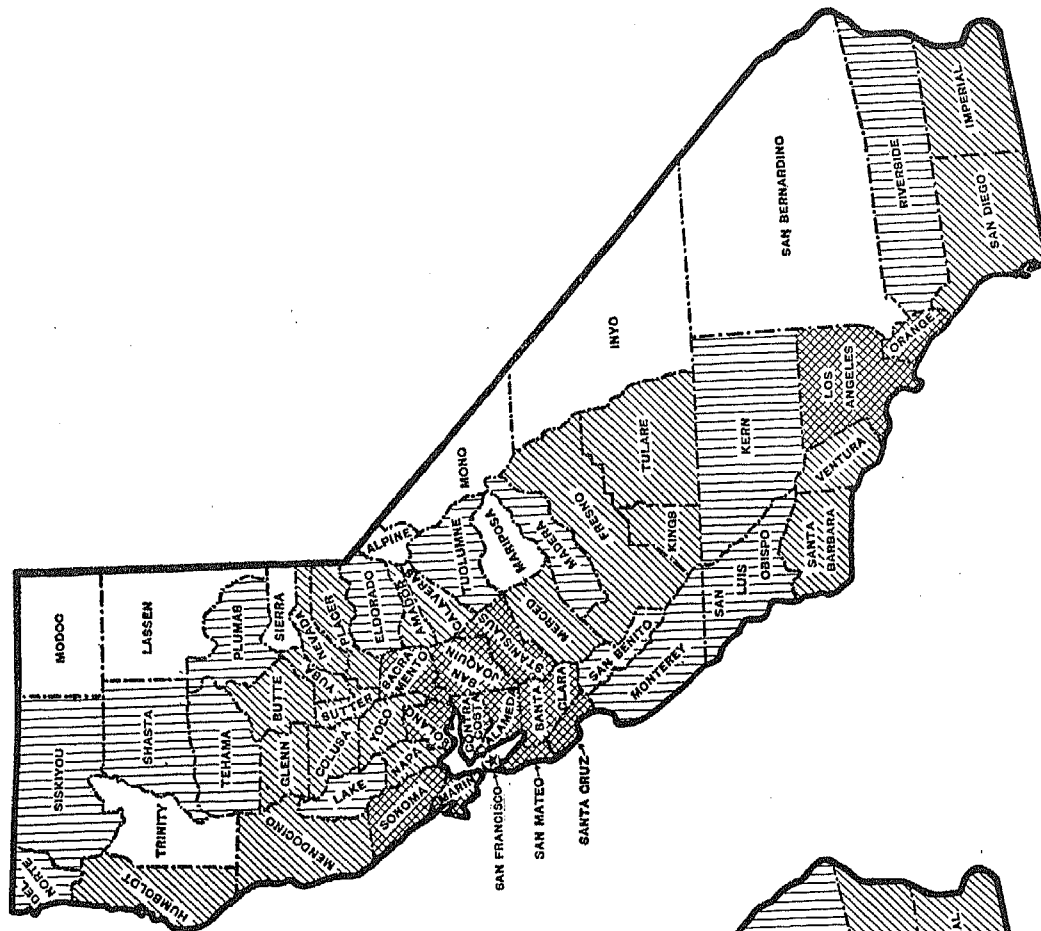




# DENSITY OF POPULATION OF CALIFORNIA, BY COUNTIES: 1920.

Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

## RURAL POPULATION.



## TOTAL POPULATION.

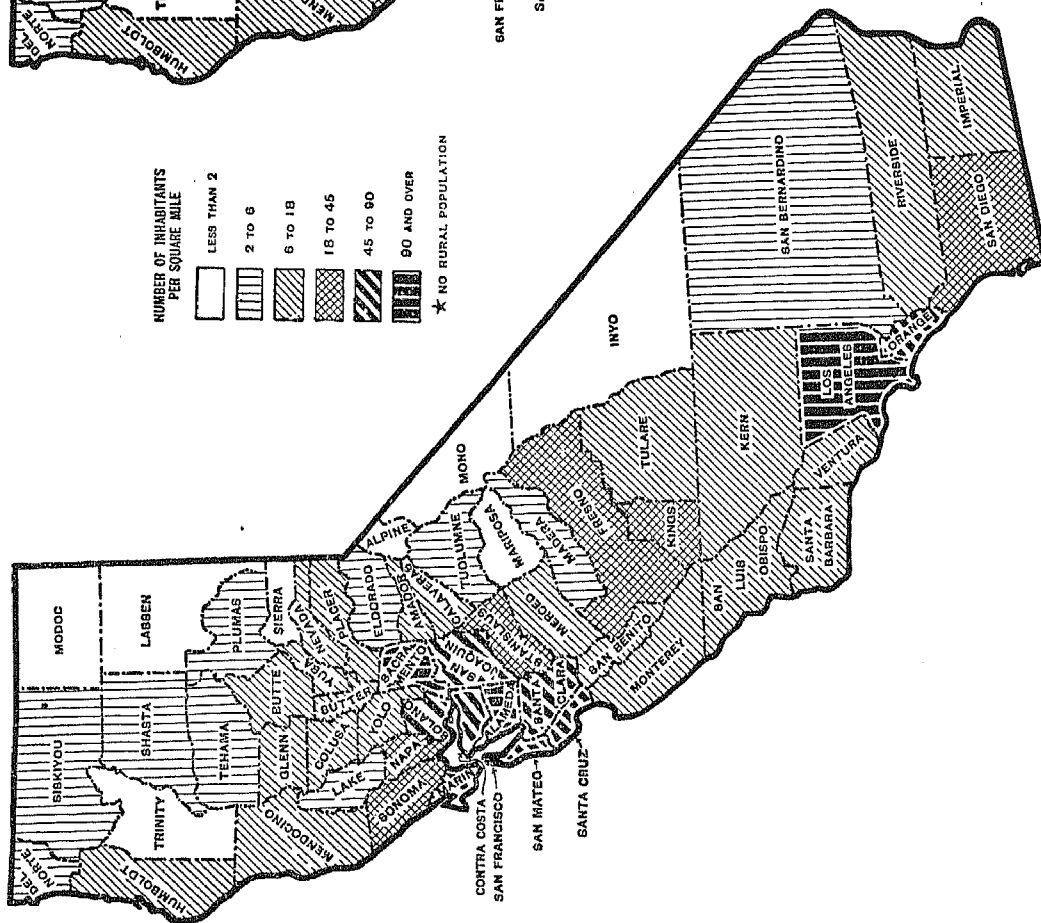




TABLE 1.—AREA AND POPULATION OF COUNTIES: 1850 TO 1920.

[In computing the increase from 1890 to 1900 for certain counties the population of Indian reservations in 1900 has been deducted from the total population of the county in order to make it comparable with the total for 1890, which does not include the population of Indian reservations. The population thus deducted in the several counties was as follows: Humboldt, 1,112; Mendocino, 599; San Diego, 817; Tulare, 143.]

[A minus sign (—) denotes decrease.]

COUNTY.	Land area in square miles: 1920.	POPULATION.									Per cent of increase.		
		1920		1910	1900	1890	1880	1870	1860	1850	1910 to 1920.	1900 to 1910.	1890 to 1900.
		Total.	Per square mile.										
California <sup>1</sup> .....	155,652	3,426,861	22.0	2,377,549	1,485,053	1,213,398	864,694	1,560,247	1,379,994	92,597	44.1	60.1	22.4
Alameda.....	732	344,177	470.2	246,131	130,197	93,864	62,976	24,237	8,927	.....	39.8	89.0	38.7
Alpine.....	776	243	0.3	309	509	667	539	685	.....	.....	-21.4	-39.3	-23.7
Amador.....	601	7,793	13.0	9,086	11,116	10,320	11,384	9,582	10,930	.....	-14.2	-18.3	7.7
Butte <sup>1</sup> .....	1,698	30,030	17.7	27,301	17,117	17,939	18,721	11,403	12,106	3,574	10.0	59.5	-4.6
Calaveras.....	1,027	6,183	6.0	9,171	11,200	8,882	9,094	8,895	16,299	16,884	-32.6	-18.1	26.1
Colusa <sup>1</sup> .....	1,140	9,290	8.1	7,732	7,364	14,640	13,118	6,165	2,274	115	20.2	5.0	-49.7
Contra Costa.....	714	53,889	75.5	31,674	18,046	13,515	12,525	8,461	5,328	( <sup>2</sup> )	70.1	75.5	33.5
Del Norte <sup>1</sup> .....	1,024	2,759	2.7	2,417	2,408	2,592	2,584	2,022	1,993	.....	14.1	0.4	-7.1
Eldorado <sup>1</sup> .....	1,737	6,426	3.7	7,492	8,986	9,232	10,683	10,309	20,562	20,057	-14.2	-16.6	-2.7
Fresno <sup>1</sup> .....	5,950	128,779	21.6	75,657	37,802	32,026	9,478	6,336	4,605	.....	70.2	99.8	18.2
Glenn <sup>1</sup> .....	1,337	11,853	8.9	7,172	5,150	.....	.....	.....	.....	.....	65.3	39.3	.....
Humboldt <sup>1</sup> .....	3,575	37,413	10.5	33,857	27,104	23,469	15,512	6,140	2,694	.....	10.5	24.9	10.8
Imperial <sup>1</sup> .....	4,089	43,453	10.6	13,591	.....	.....	.....	.....	.....	.....	219.7	.....	.....
Inyo.....	9,991	7,031	0.7	6,974	4,377	3,544	2,928	1,956	.....	.....	0.8	50.3	23.5
Kern <sup>1</sup> .....	8,003	54,843	6.9	37,715	16,480	9,808	5,601	2,925	.....	.....	45.4	128.9	68.0
Kings <sup>1</sup> .....	1,159	22,031	19.0	16,230	9,871	.....	.....	.....	.....	.....	35.7	64.4	.....
Lake <sup>1</sup> .....	1,238	5,402	4.4	5,526	0,017	7,101	6,566	2,969	.....	.....	-2.2	-8.2	-15.3
Lassen.....	4,531	8,507	1.9	4,802	4,511	4,239	3,340	1,327	.....	.....	77.2	6.5	0.4
Los Angeles <sup>1</sup> .....	4,115	936,455	227.6	504,131	170,298	101,454	33,381	15,309	11,333	3,530	85.8	196.0	67.9
Madera <sup>1</sup> .....	2,112	12,203	5.8	8,368	6,364	.....	.....	.....	.....	.....	45.8	31.5	.....
Marin.....	529	27,342	51.7	25,114	15,702	13,072	11,324	6,003	3,334	323	8.9	59.9	20.1
Mariposa.....	1,463	2,775	1.9	3,956	4,720	3,787	4,339	4,572	6,243	4,379	-29.9	-16.2	24.6
Mendocino <sup>1</sup> .....	3,539	24,116	6.8	23,029	20,465	17,612	12,800	7,545	3,907	55	0.8	16.9	12.8
Merced.....	1,995	24,579	12.3	15,148	9,215	8,085	5,056	2,807	1,141	.....	62.3	64.4	14.0
Modoc <sup>1</sup> .....	3,823	5,425	1.4	6,191	5,076	4,986	4,399	.....	.....	.....	-12.4	22.0	1.8
Mono.....	3,030	960	0.3	2,042	2,167	2,002	7,499	430	.....	.....	-53.0	-5.8	8.2
Monterey <sup>1</sup> .....	3,330	27,980	8.4	24,146	19,380	18,637	11,302	9,876	4,739	1,872	15.9	24.6	4.0
Napa <sup>1</sup> .....	783	20,678	26.4	10,800	16,451	16,411	13,235	7,163	5,521	405	4.4	20.4	0.2
Nevada.....	974	10,850	11.1	14,955	17,789	17,369	20,823	19,134	16,446	.....	-27.4	-15.9	2.4
Orange <sup>1</sup> .....	795	61,375	77.2	34,436	19,696	13,589	.....	.....	.....	.....	78.2	74.8	44.9
Placer <sup>1</sup> .....	1,411	18,584	13.2	18,237	15,786	15,101	14,232	11,357	13,270	.....	1.9	15.5	4.5
Plumas.....	2,593	5,681	2.2	5,259	4,657	4,933	6,180	4,489	4,363	.....	8.0	12.9	-5.6
Riverside <sup>1</sup> .....	7,223	50,297	7.0	34,696	17,897	.....	.....	.....	.....	.....	45.0	93.9	.....
Sacramento.....	983	91,029	92.6	67,806	45,915	40,339	34,390	26,830	24,142	9,087	34.2	47.7	13.8
San Benito <sup>1</sup> .....	1,392	8,995	6.5	8,041	6,633	6,412	5,584	.....	.....	.....	11.9	21.2	3.4
San Bernardino <sup>1</sup> .....	20,175	73,401	3.6	56,706	27,929	25,497	7,786	3,988	5,551	.....	29.4	103.0	9.5
San Diego <sup>1</sup> .....	4,221	112,248	26.6	61,665	35,090	34,987	6,618	4,951	4,324	798	82.0	75.7	-2.0
San Francisco.....	42	506,676	12,063.7	416,912	342,782	298,997	233,959	149,473	56,802	( <sup>2</sup> )	21.5	21.6	14.6
San Joaquin.....	1,448	79,905	55.2	50,731	35,452	28,029	24,349	21,050	9,435	3,647	57.5	43.1	23.8
San Luis Obispo.....	3,334	21,893	6.6	19,383	16,637	16,072	9,142	4,772	1,782	336	12.9	16.5	3.5
San Mateo.....	447	36,781	82.3	26,585	12,094	10,087	8,660	6,635	3,214	.....	38.4	119.8	19.9
Santa Barbara <sup>1</sup> .....	2,740	41,097	15.0	27,738	18,934	15,754	9,513	7,794	3,543	1,185	48.2	46.5	20.2
Santa Clara.....	1,328	100,676	75.8	83,539	60,216	48,005	35,039	26,246	11,912	( <sup>2</sup> )	20.5	38.7	25.4
Santa Cruz.....	435	26,269	60.4	26,140	21,512	19,270	12,802	8,743	4,944	643	0.5	21.5	11.6
Shasta.....	3,858	13,361	3.5	18,920	17,318	12,133	9,402	4,173	4,300	378	-29.4	9.3	42.7
Sierra.....	923	1,783	1.9	4,098	5,051	5,051	6,623	5,619	11,387	.....	-56.5	2.0	-20.5
Siskiyou <sup>1</sup> .....	6,256	18,545	3.0	18,801	16,962	12,163	8,610	6,848	7,629	.....	-1.4	10.8	39.5
Solano.....	822	40,602	49.4	27,559	24,143	20,940	18,475	16,871	7,169	580	47.3	14.1	15.3
Sonoma <sup>1</sup> .....	1,582	52,090	32.0	48,394	38,480	32,721	25,026	19,819	11,867	690	7.6	26.8	17.6
Stanislaus.....	1,450	43,557	30.0	22,522	9,550	10,040	8,751	6,409	2,245	.....	93.4	136.8	-4.9
Sutter.....	603	10,115	16.6	6,328	5,886	5,469	5,159	5,030	3,390	3,444	59.8	7.5	7.6
Tehama.....	2,925	12,832	4.4	11,401	10,996	9,916	9,301	3,587	4,044	.....	13.0	3.7	10.9
Trinity.....	3,096	2,551	0.8	3,301	4,383	3,719	4,999	3,213	5,125	1,635	-22.7	-24.7	17.9
Tulare <sup>1</sup> .....	4,856	59,031	12.2	35,440	18,375	24,574	11,221	4,533	4,638	.....	60.6	92.9	-25.8
Tuolumne.....	2,190	7,708	3.5	9,979	11,166	6,082	7,848	8,150	16,229	8,351	-22.2	-10.6	83.6
Ventura <sup>1</sup> .....	1,858	28,724	15.5	18,347	14,367	10,071	5,073	.....	.....	.....	50.6	27.7	42.7
Yolo.....	1,014	17,105	16.9	13,926	13,618	12,684	11,772	9,899	4,716	1,086	22.8	2.3	7.4
Yuba.....	632	10,375	16.4	10,042	8,620	9,636	11,284	10,851	13,668	9,973	3.3	16.5	-10.5

## CHANGES IN BOUNDARIES, ETC.

THE STATE.—Total for 1890 includes population (5,268) of Indian reservations specially enumerated, not distributed by counties. Totals for 1870 and 1860 include population (1,689 and 1,803, respectively) of Klamath County, annexed to Humboldt and Siskiyou Counties in 1874.

BUTTE.—Part of Glenn annexed in 1915.

COLUSA.—Part taken to form Glenn in 1891.

DEL NORTE.—Part annexed to Siskiyou between 1880 and 1890.

ELDORADO.—Part annexed to Placer and part of Placer annexed in 1913.

FRESNO.—Part taken to form Madera in 1893; part annexed to Kings in 1909.

GLENN.—Organized from part of Colusa in 1891; part annexed to Butte in 1915.

HUMBOLDT.—Part of Klamath annexed in 1874.

IMPERIAL.—Organized from part of San Diego in 1907.

KERN.—Part annexed to San Bernardino, and part of San Bernardino annexed, in 1917.

KINGS.—Organized from part of Tulare in 1893; part of Fresno annexed in 1909.

LAKE.—Part annexed to Napa in 1872 and part to Mendocino in 1917; part of Mendocino annexed in 1917.

LOS ANGELES.—Part taken to form Orange in 1889; parts annexed to San Bernardino and Ventura, and parts of San Bernardino and Ventura annexed, in 1919.

MADERA.—Organized from part of Fresno in 1893.

MENDOCINO.—Parts annexed to Lake and Sonoma, and parts of Lake and Sonoma annexed, in 1917.

MODOC.—Organized from part of Siskiyou in 1874.

MONTEREY.—Part taken to form San Benito in 1874.

NAPA.—Part of Lake annexed in 1872.

ORANGE.—Organized from part of Los Angeles in 1880.

PLACER.—Part annexed to Eldorado, and part of Eldorado annexed, in 1913.

RIVERSIDE.—Organized from parts of San Bernardino and San Diego in 1893; part annexed to San Bernardino, and part of San Bernardino annexed, in 1919.

SAN BENITO.—Organized from part of Monterey in 1874.

SAN BERNARDINO.—Part taken to form part of Riverside in 1893; parts annexed to Kern in 1917 and to Los Angeles and Riverside Counties in 1919; part of Kern annexed in 1917 and parts of Los Angeles and Riverside in 1919.

SAN DIEGO.—Part taken to form part of Riverside in 1893; part taken to form Imperial in 1907.

SANTA BARBARA.—Part taken to form Ventura in 1872.

SISKIYOU.—Part taken to form Modoc in 1874; part of Klamath annexed in 1874 and part of Del Norte between 1880 and 1890.

SONOMA.—Part annexed to Mendocino, and part of Mendocino annexed, in 1917.

TULARE.—Part taken to form Kings in 1893.

VENTURA.—Organized from part of Santa Barbara in 1872; part annexed to Los Angeles and part of Los Angeles annexed in 1919.

<sup>1</sup> Returns for 1850 incomplete, those for Contra Costa and Santa Clara Counties having been lost and those for San Francisco having been destroyed by fire.



TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900.

[Township means judicial township. Counties showing totals but no comparative figures for judicial townships for 1910 or 1900 have been redistricted at some time between the censuses. For other changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirtieth Census: 1910, Vol. II, Table 1, p. 144. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
<b>Alameda County</b> .....	344,177	246,131	1 130,197	<b>Eldorado County</b> .....	6,426	7,492	8,938
Alameda township, coextensive with Alameda city.....	28,800	23,383	16,464	Coloma township.....	339	367	450
Brooklyn township, <sup>1</sup> comprising parts of Oakland and Piedmont cities.....	76,174	49,140	8,168	Cosumnes township.....	280	417	571
Eden township, <sup>1</sup> including Hayward town and San Leandro city.....	17,983	11,515	9,330	Diamond Springs township.....	590	708	1,096
Murray township, including Livermore town.....	3,908	4,137	7,172	Georgetown township.....	502	509	915
Oakland township, including Albany and Berkeley cities, Emeryville town, and parts of Oakland and Piedmont cities.....	206,516	147,199	15,189	Greenwood township.....	307	373	459
Pleasanton township, including Pleasanton town.....	2,296	2,883	.....	Kelsey township.....	165	226	275
Washington township.....	8,494	7,874	6,914	Lake Valley township.....	83	169	245
<b>Alpine County</b> .....	243	309	* 509	Mountain township.....	147	406	277
Township 1.....	243	309	.....	Mud Springs township.....	678	840	1 212
<b>Amador County</b> .....	7,793	9,086	11,116	Placerville township, including Placerville city.....	2,746	2,775	2,645
Township 1, Jackson, including Jackson city.....	2,601	3,226	3,550	Salmon Falls township.....	272	217	436
Township 2, Ione.....	1,583	1,551	1,772	White Oak township.....	277	395	405
Township 3, Volcano.....	483	1,064	1,694	<b>Fresno County</b> .....	128,779	75,657	* 37,862
Township 4, Sutter Creek, including Amador and Sutter Creek cities.....	1,621	2,047	2,647	Township 1, including Firebaugh city.....	3,257	1,388	1,453
Township 5, Plymouth, including Plymouth city.....	1,505	1,198	1,453	Township 2, including Clovis city.....	8,396	4,799	2,935
<b>Butte County</b> .....	30,030	* 27,301	* 17,117	Township 3, <sup>6</sup> including Fresno city.....	63,924	32,402	17,239
Chico township, including Chico city.....	15,517	.....	.....	Township 4, including Fowler town.....	6,090	5,873	3,236
Durham township.....	349	.....	.....	Township 5, including Selma city.....	6,988	8,843	2,863
Gridley township, including Biggs and Gridley cities.....	5,837	.....	.....	Township 6, <sup>6</sup> including Coalinga city.....	7,128	7,851	811
Kingshaw township.....	1,386	.....	.....	Township 7, <sup>6</sup> including Sanger city.....	9,716	4,271	3,079
Oroville township, including Oroville city.....	6,941	.....	.....	Township 8, including Reedley city.....	7,339	3,344	2,379
<b>Calaveras County</b> .....	6,183	0,171	11,200	Township 9, including Kingsburg city.....	3,345	2,396	1,339
Township 1, San Andreas.....	869	1,120	1,683	Township 10.....	1,969	1,601	2,132
Township 2, Mokelumne.....	1,127	1,713	1,971	Township 11.....	4,977	2,641	.....
Township 3, Murphys.....	657	1,077	1,663	Township 12.....	465	.....	.....
Township 4, Angels, including Angels city.....	2,224	3,370	4,258	Township 13 <sup>6</sup> .....	1,497	2,035	.....
Township 5, Jenny Lind.....	1,306	1,891	1,725	Township 14.....	1,163	1,493	.....
<b>Colusa County</b> .....	9,290	7,732	* 7,364	Township 15 <sup>6</sup> .....	2,753	.....	.....
Arbuckle township.....	1,484	1,249	1,459	Township 16 <sup>6</sup> .....	2,733	.....	.....
Colusa township, including Colusa town.....	3,102	2,518	2,721	<b>Glenn County</b> .....	11,853	7,172	5,150
Grand Island township.....	746	684	583	Township 1.....	873	665	610
Maxwell township.....	1,229	864	1,007	Township 2, including Orland town.....	3,739	1,571	839
Princeton township.....	1,121	601	.....	Township 3.....	494	445	578
Stony Ford township.....	275	353	335	Township 4, including Willows town.....	4,602	2,984	1,622
Williams township <sup>3</sup> .....	1,333	1,463	918	Township 5.....	1,202	743	555
<b>Contra Costa County</b> .....	53,889	31,674	* 18,046	Township 6.....	139	224	279
Township 1, including Martinez town.....	4,963	3,072	.....	Township 7.....	637	540	667
Township 2.....	790	873	.....	Township 8.....	167	(?)	.....
Township 3, including Walnut Creek town.....	2,422	1,330	.....	<b>Humboldt County</b> .....	37,413	33,857	27,104
Township 4.....	1,285	1,146	.....	Briceland township.....	245	308	.....
Township 5, including Concord town.....	3,607	2,250	.....	Bucksport township.....	1,911	1,034	1,010
Township 6, <sup>4</sup> including Pittsburg town.....	5,355	3,626	.....	Eureka township, including Eureka city.....	13,364	13,763	8,504
Township 7, including El Cerrito town.....	1,731	1,432	.....	Klamath township.....	761	758	367
Township 8, <sup>4</sup> including Antioch town.....	2,566	2,229	.....	Mad River township, including Blue Lake town.....	1,471	1,111	1,425
Township 9 <sup>4</sup> .....	739	2,075	.....	Mattole township.....	523	507	675
Township 10.....	2,059	1,379	.....	Orleans township.....	300	265	355
Township 11, including Hercules and Pinole towns.....	2,374	1,770	.....	Pacific township, including Ferndale town.....	2,665	3,135	3,446
Township 12.....	4,184	2,402	.....	Rohnerville township, <sup>6</sup> including Fortuna town.....	3,188	2,600	2,107
Township 13.....	340	449	.....	Scotia township <sup>8</sup> .....	3,950	3,006	1,825
Township 14.....	994	833	.....	South Fork township <sup>8</sup> .....	597	464	923
Township 15, coextensive with Richmond city.....	16,843	6,802	.....	Table Bluff township.....	1,133	900	926
Township 16 <sup>4</sup> .....	1,730	.....	.....	Trinidad township.....	1,630	1,562	878
Township 17 <sup>4</sup> .....	1,907	.....	.....	Union township, including Arcata town.....	4,610	3,473	2,955
<b>Del Norte County</b> .....	2,759	2,417	2,408	Van Duzen township <sup>8</sup> .....	634	439	587
Crescent township, including Crescent City.....	1,937	1,688	1,137	Hoopa Valley Indian Reservation.....	431	592	1,112
Klamath township.....	445	347	358	<b>Imperial County</b> .....	43,453	13,591	.....
Smith River township.....	377	382	913	Brawley township, including Brawley city.....	10,549	2,218	.....

\*See headnote.

<sup>1</sup> ALAMEDA.—Total for 1900 includes population (66,960) of Oakland city, returned independently. Part of Brooklyn township (comprising part of San Leandro city) annexed to Eden township, and part annexed to Oakland city, since 1910. Piedmont city returned in Oakland township only in 1910.

<sup>2</sup> BUTTE.—Part of Glenn County annexed in 1915.

<sup>3</sup> COLUSA.—Total for 1900 includes population (341) of Leesville township, annexed to Williams township between 1900 and 1910.

<sup>4</sup> CONTRA COSTA.—Township 16 organized from part of township 6, and township 17 from parts of townships 8 and 9, since 1910.

<sup>5</sup> ELDORADO.—Part annexed to Placer County, and part of Placer County annexed, in 1913.

<sup>6</sup> FRESNO.—Total for 1900 includes population (398) of old township 11, annexed to township 13 between 1900 and 1910. Parts of township 3 annexed to Fresno city since 1910. Townships organized since 1910: Township 15 from parts of 6 and 13; township 16 from part of 7.

<sup>7</sup> GLENN.—Part annexed to Butte County in 1915. Township 8 not returned separately in 1910.

<sup>8</sup> HUMBOLDT.—Part of Scotia township (name changed from Hydesville) annexed to Rohnerville, and part of South Fork annexed to Van Duzen, since 1910.

<sup>9</sup> IMPERIAL.—Calipatria township organized from part of Niland (name changed from Old Beach) township since 1910. Yuma Indian Reservation in Hanlon and Laguna townships, but independent thereof.



TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900—Continued.

[Township means judicial township. Counties showing totals but no comparative figures for judicial townships for 1910 or 1900 have been redistricted at some time between the censuses. For other changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. II, Table 1, p. 144. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
<b>Inyo County</b> .....	<b>7,031</b>	<b>6,974</b>	<b>4,377</b>	<b>Los Angeles County—Continued.</b>			
Township 1, including Bishop city.....	3,256	2,856	1,916	Pasadena township, <sup>14</sup> including Arcadia and			
Township 2.....	998	900	1,103	Sierra Madre cities and parts of assembly	57,613	36,195	12,772
Township 3.....	850	701	820	districts 61 and 67 of Pasadena city.....			
Township 4.....	907	1,338	478	Redondo township, <sup>14</sup> including El Segundo,			
Township 5 <sup>10</sup> .....	565	1,179	.....	Hermosa Beach, Manhattan Beach, and Re-			
Township 6 <sup>10</sup> .....	455	.....	.....	dondo Beach cities, and part of assembly dis-	13,707	5,016	942
<b>Kern County</b> <sup>11</sup> .....	<b>54,843</b>	<b>*37,715</b>	<b>*16,480</b>	trict 62 of Los Angeles city.....	2,545	1,030	.....
Township 1.....	1,129	.....	.....	Rowland township <sup>14</sup> .....			
Township 2, including Tehachapi city.....	1,323	.....	.....	San Antonio township, including Huntington			
Township 3, including part of Bakersfield city.....	7,656	.....	.....	Park, Vernon, and Watts cities, and part of	34,708	13,573	2,169
Township 4, including Delano city.....	2,347	.....	.....	Monterey Park city.....	2,250	.....	.....
Township 5.....	2,191	.....	.....	San Dimas township <sup>14</sup> .....			
Township 6, comprising part of Bakersfield city.....	12,461	.....	.....	San Fernando township, <sup>14</sup> coextensive with San	3,204	2,134	1,326
Township 7.....	195	.....	.....	Fernando city.....			
Township 8.....	1,406	.....	.....	San Gabriel township, <sup>14</sup> including Alhambra,			
Township 9.....	1,022	.....	.....	San Gabriel, and San Marino cities, and part	16,581	8,550	2,501
Township 10.....	912	.....	.....	of Monterey Park city.....			
Township 11.....	3,652	.....	.....	San Jose township, <sup>14</sup> including Claremont, La	18,188	14,719	7,696
Township 12.....	1,554	.....	.....	Verne, and Pomona cities.....			
Township 13, including McKittrick city.....	534	.....	.....	Santa Monica township, coextensive with Santa	15,252	7,847	5,521
Township 14.....	2,721	.....	.....	Monica city.....	2,191	1,887	984
Township 15, including Maricopa city.....	6,385	.....	.....	Soledad township <sup>14</sup> .....			
Township 16, including Taft city.....	2,712	.....	.....	South Pasadena township, coextensive with	7,652	4,649	1,001
Township 17.....	893	.....	.....	South Pasadena city.....			
Township 18.....	5,750	.....	.....	Venice township, <sup>14</sup> including Culver and Ven-	12,427	.....	.....
Township 19.....	.....	.....	.....	ice cities, and part of assembly district 62 of	12,531	7,819	3,339
<b>Kings County</b> .....	<b>22,031</b>	<b>16,230</b>	<b>*12,871</b>	Los Angeles city.....			
Armona township.....	2,226	2,177	.....	Whittier township, <sup>14</sup> including Whittier city.....			
Corcoran township, including Corcoran city.....	2,204	1,003	.....	<b>Madera County</b> .....	<b>12,203</b>	<b>8,368</b>	<b>*15,636</b>
Craighill township <sup>12</sup> .....	248	.....	.....	Township 2.....	3,057	779	777
Hardwick township <sup>12</sup> .....	822	.....	.....	Township 3, <sup>15</sup> including Madera city.....	6,517	4,320	2,175
Lemoore township, <sup>13</sup> including Lemoore city.....	5,127	3,852	7,772	Township 4.....	1,768	2,148	1,780
Lucerne township, including Hanford city.....	11,404	9,198	7,947	Township 5.....	871	1,121	1,044
<b>Lake County</b> <sup>13</sup> .....	<b>5,462</b>	<b>5,526</b>	<b>6,617</b>	<b>Marin County</b> .....	<b>27,342</b>	<b>25,114</b>	<b>15,762</b>
Township 1.....	598	889	1,156	Bolinas township.....	302	548	340
Township 2.....	750	820	1,075	Nicasio township.....	593	479	500
Township 3.....	1,159	1,134	1,354	Novato township.....	1,193	911	834
Township 4, including Lakeport town.....	1,663	1,465	1,358	Point Reyes township.....	628	405	816
Township 5.....	1,232	1,218	1,074	San Antonio township.....	334	310	239
<b>Lassen County</b> .....	<b>8,507</b>	<b>*4,802</b>	<b>*4,511</b>	San Rafael township, including Corte Madera,			
Big Valley township.....	777	.....	.....	Larkspur, Ross, and San Anselmo towns,	14,170	13,180	8,008
Honey Lake township, including Susanville				and San Rafael city.....			
city.....	3,952	.....	.....	Sausalito township, including Belvedere, Mill	9,005	8,137	3,720
Madeline township.....	478	.....	.....	Valley, and Sausalito towns.....	957	1,084	1,145
Westwood township.....	3,300	.....	.....	Tomaes township.....			
<b>Los Angeles County</b> <sup>14</sup> .....	<b>936,455</b>	<b>*1,504,131</b>	<b>*1,170,298</b>	<b>Mariposa County</b> .....	<b>2,775</b>	<b>3,956</b>	<b>4,720</b>
Antelope township.....	2,196	1,047	415	Township 1, including Hornitos town.....	292	622	1,604
Azusa township, including Azusa and Glendora				Township 2.....	596	779	213
cities.....	6,367	4,154	2,561	Township 3.....	292	630	794
Belvedere township, including part of Monte-				Township 4.....	671	654	1,009
rey Park city.....	6,339	2,621	.....	Township 5.....	924	1,271	1,100
Burbank township, <sup>14</sup> including Burbank, Eagle				<b>Mendocino County</b> <sup>16</sup> .....	<b>24,116</b>	<b>23,929</b>	<b>*20,465</b>
Rock, and Glendale cities, and parts of				Anderson township.....	1,071	1,166	1,060
assembly district 61 of Los Angeles and Pa-				Arena township, including Point Arena city.....	1,203	1,753	1,853
sadena cities.....	25,021	12,255	3,048	Big River township.....	3,130	3,531	2,347
Cahuenga township, <sup>14</sup> including Beverly Hills				Culley Cove township.....	925	802	1,100
city, and part of assembly district 62 of Los				Little Lake township, including Willits town.....	2,889	2,947	952
Angeles city.....	5,414	7,432	1,586	Long Valley township.....	914	704	833
Calabasas township <sup>14</sup> .....	491	492	438	Potter Valley township, coextensive with Pot-			
Catalina township, including Avalon city.....	634	670	.....	ter Valley town <sup>16</sup> .....	512	694	752
Compton township, including Compton city.....	6,357	3,358	1,683	Round Valley township.....	968	918	933
Covina township, <sup>14</sup> including Covina city.....	4,738	3,476	2,051	Sancl township.....	955	752	957
Downey township.....	5,562	3,277	4,458	Tennile River township, including Fort Bragg			
El Monte township, <sup>14</sup> including El Monte city,				city.....	4,590	3,798	3,134
and part of Monterey Park city.....	4,049	4,643	3,016	Ukiah township, <sup>16</sup> including Ukiah city.....	6,022	5,141	3,767
Fairmont township.....	840	932	427	Westport township.....	517	1,047	1,474
Gardena township <sup>14</sup> .....	6,331	3,552	.....	Round Valley Indian Reservation.....	420	616	599
Inglewood township, <sup>14</sup> including Inglewood				<sup>14</sup> LOS ANGELES.—Parts annexed to San Bernardino and Ventura Counties, and			
city and part of assembly district 62 of Los				parts of San Bernardino and Ventura Counties annexed, in 1919. Totals include			
Angeles city.....	7,558	.....	.....	population as follows: Of Ballona township (7,249 in 1910; 3,080 in 1900), parts taken			
Lankershim township, <sup>14</sup> including part of as-				to form Inglewood and Venice townships since 1910; of Chatsworth Park township			
sembly district 61 of Los Angeles city.....	1,962	848	.....	(299 in 1910), annexed to Calabasas, Los Angeles, and Soledad townships since 1910;			
Lomita township, <sup>14</sup> including part of assembly				of Lexington township (1,886 in 1910), annexed to El Monte township since 1910;			
district 71 of Los Angeles city.....	4,491	.....	.....	and of Wilmington township (2,983 in 1900), part taken to form part of Gardena			
Long Beach township, including Long Beach				township, and part annexed to Los Angeles city and township, between 1900 and			
city.....	61,362	20,616	3,285	1910. Other annexations since 1910: Parts of Burbank township to Glendale city;			
Los Angeles township, <sup>14</sup> including assembly				parts of Burbank, Cahuenga, Inglewood, Lankershim, Lomita, Los Angeles, Malibu			
districts 63 to 66 and 72 to 75, and parts of as-				(including Sawtelle city), Pasadena, Redondo, San Fernando, San Gabriel, and			
sembly districts 61, 62, and 69 to 71 of Los				Venice townships to Los Angeles city; parts of Burbank and Pasadena townships			
Angeles city.....	568,886	313,104	102,479	to Pasadena city; part of San Fernando township to Los Angeles township. Town-			
Malibu township, <sup>14</sup> including part of assembly				ships organized since 1910: Inglewood and Venice from parts of Ballona; Lomita from			
district 62 of Los Angeles city.....	8,471	6,282	.....	part of Gardena; Monrovia from part of El Monte; San Dimas from part of San Jose.			
Monrovia township, <sup>14</sup> including Monrovia city.....	6,579	.....	.....	Changes in name since 1910: Covina township changed from Rowland; Rowland			
Norwalk township.....	3,868	2,484	.....	township, from Puente; Whittier township, from Los Nietos. Population of San Pedro			

\* See headnote.

<sup>10</sup> INYO.—Township 6 organized from part of township 5 since 1910.

<sup>11</sup> KERN.—Part annexed to San Bernardino County, and part of San Bernardino County annexed, in 1917.

<sup>12</sup> KINGS.—Total for 1900 includes population (152) of West End township, annexed to Lemoore township between 1900 and 1910. Craighill and Hardwick townships organized from parts of Lemoore township since 1910.

<sup>13</sup> LAKE.—Part annexed to Mendocino County, and part of Mendocino County annexed, in 1917.

<sup>14</sup> LOS ANGELES.—Parts annexed to San Bernardino and Ventura Counties, and parts of San Bernardino and Ventura Counties annexed, in 1919. Totals include population as follows: Of Ballona township (7,249 in 1910; 3,080 in 1900), parts taken to form Inglewood and Venice townships since 1910; of Chatsworth Park township (299 in 1910), annexed to Calabasas, Los Angeles, and Soledad townships since 1910; of Lexington township (1,886 in 1910), annexed to El Monte township since 1910; and of Wilmington township (2,983 in 1900), part taken to form part of Gardena township, and part annexed to Los Angeles city and township, between 1900 and 1910. Other annexations since 1910: Parts of Burbank township to Glendale city; parts of Burbank, Cahuenga, Inglewood, Lankershim, Lomita, Los Angeles, Malibu (including Sawtelle city), Pasadena, Redondo, San Fernando, San Gabriel, and Venice townships to Los Angeles city; parts of Burbank and Pasadena townships to Pasadena city; part of San Fernando township to Los Angeles township. Townships organized since 1910: Inglewood and Venice from parts of Ballona; Lomita from part of Gardena; Monrovia from part of El Monte; San Dimas from part of San Jose. Changes in name since 1910: Covina township changed from Rowland; Rowland township, from Puente; Whittier township, from Los Nietos. Population of San Pedro and The Harbor District, which constitutes a part of Los Angeles city, is 23,068.

<sup>15</sup> MADERA.—Total for 1900 includes population (573) of township 1, annexed to township 3 between 1900 and 1910.

<sup>16</sup> MENDOCINO.—Parts annexed to Lake and Sonoma Counties, and parts of Lake and Sonoma Counties annexed, in 1917. Total for 1900 includes population (995) of Calpella township, annexed to Ukiah township between 1900 and 1910. Potter Valley town formed a part of Potter Valley township in 1910 and 1900; made coextensive with township since 1910.



TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900—Continued.

[Township means judicial township. Counties showing totals but no comparative figures for judicial townships for 1910 or 1900 have been redistricted at some time between the censuses. For other changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. II, Table I, p. 144. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
<b>Merced County</b> .....	<b>24,579</b>	<b>15,148</b>	<b>9,215</b>	<b>Orange County—Continued.</b>			
Township 1.....	885	508	842	Seal Beach township, coextensive with Seal Beach city.....	669		
Township 2, <sup>17</sup> including Merced city.....	6,796	5,503	3,705	Stanton township, coextensive with Stanton city.....	695		
Township 3, including Los Banos town.....	3,487	1,869	3,233	Tustin township.....	1,681		
Township 4.....	1,065	669	856	Westminster township.....	4,181		
Township 5.....	5,801	2,838	779	Yorba township.....	563		
Township 6, including Gustine city.....	2,769	2,366					
Township 7.....	1,639	1,335					
Township 8 <sup>17</sup> .....	2,134			<b>Placer County</b> <sup>20</sup> .....	<b>18,584</b>	<b>18,237</b>	<b>15,786</b>
<b>Modoc County</b> .....	<b>5,425</b>	<b>6,191</b>	<b>*5,076</b>	Township 1, including Roseville city.....	5,378	3,310	1,499
Adin-Lookout township <sup>18</sup> .....	618	619		Township 2.....	1,375	1,171	1,301
Alturas township, including Alturas town.....	1,759	2,070		Township 3, including Auburn city.....	3,592	4,136	3,249
Bidwell township.....	490	605		Township 4 <sup>20</sup> .....	457	886	1,092
Canby township.....	122	239		Township 5.....	366	563	877
Cedarville township.....	844	985		Township 6.....	72	265	690
Dewey township.....	390	472		Township 7.....	106	187	811
Goose Lake township <sup>19</sup> .....	299	709		Township 8.....	57	192	223
Lake City township.....	350	463		Township 9, including Rocklin town.....	1,759	1,969	1,545
Tule Lake township.....	195	( <sup>18</sup> )		Township 10, including Lincoln town.....	1,791	1,726	1,459
Willow Ranch township <sup>18</sup> .....	328			Township 11 <sup>20</sup> .....	80	502	622
				Township 12.....	204	249	361
<b>Mono County</b> .....	<b>960</b>	<b>2,042</b>	<b>2,167</b>	Township 13, including Colfax city.....	1,277	1,063	891
Antelope township.....	209	288	324	Township 14.....	1,682	2,012	893
Benton township.....	349	364	198	Township 15 <sup>20</sup> .....	394		
Bodie township.....	110	698	905	<b>Plumas County</b> .....	<b>5,681</b>	<b>5,259</b>	<b>4,657</b>
Bridgeport township.....	125	312	373	Beckworth township.....	1,048	1,315	796
Homer township.....	155	244	307	Goodwin township.....	108	294	398
Masonic township.....	12	136		Indian township.....	1,300	1,233	1,260
				Mineral township.....	506	437	411
<b>Monterey County</b> .....	<b>27,980</b>	<b>24,146</b>	<b>19,380</b>	Plumas township.....	1,134	884	748
Alisal township, <sup>19</sup> including Salinas city.....	6,663	5,076	5,121	Quartz township.....	477	750	553
Bradley township.....	381	442	751	Seneca township.....	1,108	346	401
Castroville township <sup>19</sup> .....	2,213	1,442	2,051				
Cholame township.....	464	485	659	<b>Riverside County</b> <sup>21</sup> .....	<b>50,297</b>	<b>34,696</b>	<b><sup>21</sup> 17,897</b>
Gonzales township.....	1,417	1,305	1,115	Beaumont township, including Beaumont city.....	1,284	1,113	346
King City township, including King City.....	1,652	1,563	701	Bergman township.....	354	326	170
Monterey township, <sup>19</sup> including Carmel-by-the-Sea, and Monterey cities.....	7,217	6,833	3,420	Coachella township <sup>21</sup> .....	1,016		
Pacific Grove township, coextensive with Pacific Grove city.....	2,974	2,384	1,489	Diamond township.....	418	380	385
Pajaro township.....	1,474	1,765	1,742	Elsinore township, including Elsinore city.....	1,496	960	646
Peachtree township.....	498	478	610	Hemet township, including Hemet city.....	3,275	2,392	904
San Antonio township.....	715	814	938	Highgrove township.....	800	1,187	925
San Ardo township.....	377	365		Indio township <sup>21</sup> .....	1,187	899	257
Soledad township.....	1,035	1,194	833	Mecca township <sup>21</sup> .....	683		
				Moreno township.....	441	523	644
<b>Napa County</b> .....	<b>20,678</b>	<b>19,800</b>	<b>16,461</b>	Murrieta township.....	886	765	764
Hot Springs township, including Calistoga town.....	1,453	1,344	4,098	Palo Verde township, <sup>21</sup> including Blythe city.....	5,084	557	
Knox township.....	462	560	839	Perris township, including Perris city.....	2,182	1,454	1,331
Napa township, including Napa city.....	13,629	12,047	8,532	Riverside township, including Riverside city.....	19,539	15,718	8,163
St. Helena township, including St. Helena town.....	2,772	3,057		San Geronimo township, including Banning city.....	2,507	1,387	356
Yount township.....	2,362	2,792	2,982	San Jacinto township, including San Jacinto city.....	1,367	1,267	854
				Temescal township, including Corona city.....	5,590	4,374	1,949
<b>Nevada County</b> .....	<b>10,850</b>	<b>14,955</b>	<b>17,789</b>	Thermal township <sup>21</sup> .....	888	632	
Bloomfield township.....	171	412	730	West Riverside township.....	1,400	762	
Bridgeport township.....	284	513	818				
Eureka township.....	50	283	375	<b>Sacramento County</b> .....	<b>91,029</b>	<b>67,806</b>	<b>45,915</b>
Grass Valley township, including Grass Valley city.....	5,521	6,251	7,043	Alabama township.....	515	598	412
Little York township.....	61	170	344	American township.....	2,806	169	159
Meadow Lake township.....	1,381	2,308	2,059	Brighton township <sup>22</sup> .....	1,055	2,505	1,402
Nevada township, including Nevada City.....	2,007	3,958	4,883	Center township.....	1,484	451	417
Rough and Ready township.....	673	747	1,076	Costumes township.....	212	202	358
Washington township.....	102	283	426	Dry Creek township.....	1,256	906	750
				Franklin township.....	2,720	2,545	1,980
<b>Orange County</b> .....	<b>61,375</b>	<b>*34,436</b>	<b>*19,696</b>	Georgiana township.....	3,631	1,675	2,007
Anaheim township, including Anaheim city.....	6,936			Granite township.....	2,613	2,505	1,940
Brea township, including Brea city.....	2,515			Lee township.....	492	438	494
Buena Park township.....	917			Mississippi township.....	1,651	1,225	630
Fullerton township, including Fullerton city.....	5,037			Natoma township.....	239	208	200
Huntington Beach township, including Huntington Beach city.....	3,363			Riverside township <sup>23</sup> .....	878	1,780	
La Habra township.....	1,911			Sacramento township, <sup>24</sup> coextensive with Sacramento city.....	65,908	44,696	29,282
Laguna Beach township.....	363			San Joaquin township.....	3,330	2,236	1,289
Los Alamitos township.....	620			Sutter township <sup>22</sup> .....	1,639	5,607	3,995
Newport Beach township, including Newport Beach city.....	1,300						
Orange township, including Orange city.....	8,134			<b>San Benito County</b> .....	<b>8,995</b>	<b>8,041</b>	<b>6,633</b>
Paeonia township.....	3,619			Hollister township, including Hollister city.....	4,402	4,390	3,118
San Juan township.....	1,064			Panache township.....	604	635	491
Santa Ana township, including Santa Ana city.....	17,777			San Benito township.....	715	822	848
				San Juan township, including San Juan town.....	2,501	1,368	1,308
				Tres Pinos township.....	773	796	868

\* See headnote.

<sup>17</sup> MERCED.—Township 8 organized from part of township 2 since 1910.

<sup>18</sup> MODOC.—Adin and Lookout townships consolidated as Adin-Lookout township, and Willow Ranch township organized from part of Goose Lake township, since 1910. Tule Lake township not returned separately in 1910.

<sup>19</sup> MONTEREY.—Part of Alisal township annexed to Castroville township, and part of Monterey township annexed to Alisal township, since 1910.

<sup>20</sup> PLACER.—Part annexed to Eldorado County, and part of Eldorado County annexed, in 1913. Township 15 organized from parts of townships 4 and 11 since 1910.

<sup>21</sup> RIVERSIDE.—Part of Riverside County annexed to San Bernardino County, and part of San Bernardino County annexed to Riverside, in 1919. Total for 1900 includes population (203) of Mission Indian Reservation, returned independently. Part of Coachella (old Indio) township taken to form Indio township, and part of Thermal township taken to form Mecca township, since 1910. For total population of Colorado River Indian Reservation, see San Bernardino County footnote; no population returned for part in Palo Verde township, Riverside County.

<sup>22</sup> SACRAMENTO.—Sacramento township organized and made coextensive with Sacramento city (returned as independent in 1910), and parts of Sutter township annexed to Sacramento city and to Brighton and Riverside townships, since 1910.



TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900—Continued.

[Township means judicial township. Counties showing totals but no comparative figures for judicial townships for 1910 or 1900 have been redistricted at some time between the censuses. For other changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. II, Table 1, p. 144. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
<b>San Bernardino County</b> <sup>23</sup> .....	73,401	<sup>23</sup> 56,706	27,929	<b>San Luis Obispo County—Continued.</b>			
Atolla township <sup>23</sup> .....	150			Paso Robles township, including Paso Robles city.....	3,066	2,382	2,411
Bagdad township.....	333	( <sup>23</sup> )		Pozo township.....	554	354	512
Barstow township <sup>23</sup> .....	1,538	1,066		Salinas township.....	1,516	877	943
Belleville township.....	347	374	972	San Luis Obispo township, including San Luis Obispo city.....	6,254	5,326	3,218
Calzona township, <sup>23</sup> exclusive of part of Colorado River Indian Reservation.....	105	97		San Miguel township.....	652	830	1,022
Chino township, including Chino city.....	3,975	2,862	1,607	San Simeon township.....	739	1,023	1,036
Colton township, including Colton city.....	5,341	4,556	1,961	Santa Margarita township.....	1,927	918	896
Cucamonga township <sup>23</sup> .....	2,796	2,340	1,193				
Dale township.....	8	41	63	<b>San Mateo County</b> .....	36,781	26,585	12,094
Etiwanda township <sup>23</sup> .....	752			Township 1, including Daly City, San Bruno, and South San Francisco cities.....	13,573	9,173	2,452
Hesperia township.....	590	92	170	Township 2, including Burlingame and Hillsborough towns, San Mateo city, and part of Redwood City town.....	12,922	8,659	3,298
Highland township, <sup>23</sup> exclusive of San Manuel Indian Reservation.....	4,198	3,820	1,996	Township 3, including part of Redwood City town.....	7,146	5,814	3,953
Kelso township <sup>23</sup> .....	185	136		Township 4.....	1,921	1,383	1,383
Ludlow township.....	220	255		Township 5.....	1,219	1,016	1,008
Mission township.....	1,935	1,811					
Needles township, including Needles city.....	2,930	3,067	1,143	<b>Santa Barbara County</b> .....	41,097	<sup>26</sup> 27,738	<sup>26</sup> 18,934
Ontario township, including Ontario city.....	7,815	4,639	2,649	Township 1.....	3,619	2,477	2,171
Oro Grande township.....	895	280		Township 2, <sup>26</sup> including Santa Barbara city.....	20,110	11,659	6,587
Redlands township, <sup>23</sup> including Redlands city.....	9,959	11,448	5,663	Township 3 <sup>26</sup> .....	1,610	1,895	2,100
Rialto township, including Rialto city.....	2,596	1,538	880	Township 4.....	1,469	1,388	1,725
San Bernardino township, including San Bernardino city.....	21,098	14,648	8,658	Township 5, including Lompoc city.....	4,353	2,084	2,428
Silver Lake township.....	35	135		Township 6 <sup>26</sup> .....	1,565	1,164	583
Trona township <sup>23</sup> .....	724			Township 7, <sup>26</sup> including Santa Maria city.....	5,601	3,370	2,001
Upland township, including Upland city.....	3,256	2,554		Township 8 <sup>26</sup> .....	277		
Vanderbilt township <sup>23</sup> .....	135	149	329	Township 9.....	913	895	764
Victor township.....	989	580	645	Township 10 <sup>26</sup> .....	1,580	1,056	
Yermo township.....	215	178					
Yucaipa township <sup>23</sup> .....	731			<b>Santa Clara County</b> .....	100,676	83,539	60,216
Colorado River Indian Reservation <sup>23</sup> .....	17			Almaden township.....	651	755	1,599
San Manuel Indian Reservation <sup>23</sup> .....	33	( <sup>23</sup> )		Alviso township, coextensive with Alviso town.....	517	402	529
				Burnett township, including Morgan Hill town.....	2,438	2,250	1,397
<b>San Diego County</b> .....	112,248	*61,665	*35,090	Campbell township.....	1,426	1,692	
El Cajon township, including El Cajon city.....	3,577			Fremont township, including Mountain View town.....	3,974	3,267	2,402
Escondido township, including Escondido city.....	4,412			Gilroy township, including Gilroy city.....	5,566	5,039	4,003
Oceanside township, <sup>24</sup> including Oceanside city, but exclusive of La Jolla, Pala, Pauma, and Rincon Indian Reservations.....	3,905			Mayfield township, <sup>27</sup> including Mayfield town.....	1,592	2,224	1,279
Ramona township.....	1,952			Milpitas township.....	1,237	1,684	1,223
San Diego township, including Chula Vista, Coronado, East San Diego, La Mesa, National City, and San Diego cities.....	97,948			Palo Alto township, <sup>27</sup> coextensive with Palo Alto city.....	5,900	4,486	1,658
La Jolla Indian Reservation <sup>24</sup> .....	140			Redwood township, including Los Gatos town.....	4,670	4,299	3,510
Pala Indian Reservation <sup>24</sup> .....	197			San Jose township, <sup>24</sup> including San Jose city.....	56,850	43,767	31,987
Pauma Indian Reservation <sup>24</sup> .....	43			Santa Clara township, including Santa Clara town.....	10,462	9,759	9,240
Rincon Indian Reservation <sup>24</sup> .....	74			Saratoga township.....	2,093	1,756	1,389
				Sunnyvale township, including Sunnyvale town.....	3,300	1,859	
<b>San Francisco County</b> .....	506,676	416,912	342,782				
San Francisco city, coextensive with San Francisco County.....	506,676	416,912	342,782	<b>Santa Cruz County</b> .....	26,269	*26,140	*21,512
<b>San Joaquin County</b> .....	79,905	50,781	35,452	Santa Cruz township, including Santa Cruz city.....	16,564		
Castoria township, including Manteca city.....	4,064	2,048	1,487	Watsonville township, including Watsonville city.....	9,705		
Dent township.....	5,198	1,985	1,240				
Douglas township.....	1,599	1,405	1,345	<b>Shasta County</b> .....	13,361	13,920	17,313
Elkhorn township, including Lodi city.....	9,302	5,985	2,427	Anderson township <sup>28</sup> .....	1,358	1,801	1,610
Elliot township.....	1,755	1,545	1,576	Buckeye township.....	980	1,470	1,582
Liberty township.....	1,813	1,224	577	Burney Valley township.....	713	843	756
O'Neal township, <sup>25</sup> including wards 5 and 6 of Stockton city.....	17,362	9,116	4,856	Cottonwood township <sup>28</sup> .....	806		
Stockton township, comprising wards 1 to 4 of Stockton city.....	32,277	23,253	17,506	Delta township, including Kennett city.....	1,581	2,786	
Tulare township, including Tracy city.....	4,847	3,321	2,797	Fall River township.....	955	881	954
Union township <sup>25</sup> .....	1,688	849	1,641	French Gulch township.....	212	735	414
				Harrison Gulch township.....	118	383	570
<b>San Luis Obispo County</b> .....	21,893	19,383	16,637	Igo township.....	657	710	918
Arroyo Grande township, including Arroyo Grande city.....	3,423	3,646	3,319	Keswick township, including Coram town.....	275	1,437	2,221
Cholame township.....	847	419	544	Millville township.....	600	679	755
Morro township.....	1,795	2,255	1,812	Redding township, including Redding city.....	3,303	3,972	3,301
Nipomo township.....	1,120	1,348	926	Round Mountain township.....	728	815	864
				Sacramento River township.....	280	1,078	1,075
				Shasta township.....	470	539	1,191
				Shingletown township <sup>28</sup> .....	325	782	1,107
				<b>Sierra County</b> .....	1,783	*4,098	*4,017
				Butte township.....	240		
				Downsville township.....	374		
				Forest township.....	332		
				Loyalton township, including Loyalton town.....	464		
				Plum Valley township.....	53		
				Sierra township.....	259		
				Table Rock township.....	61		

\* See headnote.

<sup>23</sup> SAN BERNARDINO.—Parts of San Bernardino County annexed to Kern, Los Angeles, and Riverside Counties, and parts of Kern, Los Angeles, and Riverside Counties annexed to San Bernardino County, since 1910. Total for 1910 includes population (40) of Hart township, annexed to Vanderbilt township since 1910. Other changes since 1910: Atolla and Trona townships organized from parts of Barstow; Etiwanda organized from part of Cucamonga; Yucaipa organized from part of Redlands; part of Vanderbilt annexed to Kelso. Bagdad township not returned separately in 1910. Colorado River Indian Reservation located in Riverside and San Bernardino Counties, Calif., and Yuma County, Ariz.; returned in 1910 and 1900 as located wholly in Arizona. Total population: 1,066 in 1920; 848 in 1910; 558 in 1900. Part in San Bernardino County, Calif., in Calzona township, but independent thereof. San Manuel Indian Reservation in Highland township, but independent thereof; not returned separately in 1910.

<sup>24</sup> SAN DIEGO.—La Jolla, Pala, Pauma, and Rincon Indian Reservations in Oceanside township, but independent thereof.

<sup>25</sup> SAN JOAQUIN.—Parts of O'Neal township annexed to Stockton city and Union township since 1910.

\* See headnote.

<sup>26</sup> SANTA BARBARA.—Totals include population (850 in 1910; 575 in 1900) of old township 8, annexed to township 7 since 1910. Part of township 3 annexed to township 2, and new township 8 organized from parts of townships 6, 7, and 10, since 1910.

<sup>27</sup> SANTA CLARA.—Part of Mayfield township annexed to Palo Alto township, and part of San Jose township (including East San Jose town) annexed to San Jose city, since 1910.

<sup>28</sup> SHASTA.—Cottonwood township organized from parts of Anderson and Shingletown townships since 1910.



TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900—Continued.

[Township means judicial township. Counties showing totals but no comparative figures for judicial townships for 1910 or 1900 have been redistricted at some time between the censuses. For other changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. II, Table 1, p. 144. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
<b>Siskiyou County</b> .....	<b>18,545</b>	<b>18,801</b>	<b>16,962</b>	<b>Trinity County</b> .....	<b>2,551</b>	<b>3,301</b>	<b>*4,333</b>
Butte township, including Sisson town.....	1,003	1,188	1,530	Hay Fork township <sup>22</sup> .....	491	689	.....
Callahan township.....	319	510	567	Junction City township.....	513	606	.....
Edgewood township.....	2,808	2,267	1,386	Mad River township.....	507	422	.....
Etna township, including Etna town.....	821	1,009	1,060	Trinity Center township <sup>23</sup> .....	346	910	.....
Greenview township.....	383	602	.....	Weaverville township <sup>24</sup> .....	694	674	.....
Happy Camp township.....	556	377	483				
Hilt township <sup>25</sup> .....	417	.....	.....	<b>Tulare County</b> .....	<b>59,031</b>	<b><sup>24</sup> 35,440</b>	<b><sup>24</sup> 18,375</b>
Lake township, <sup>26</sup> including Dorris town.....	915	2,131	767	Alila township <sup>24</sup> .....	2,079	747	481
Liberty township.....	341	708	1,086	Allensworth township <sup>24</sup> .....	156	.....	.....
Macdoel township <sup>27</sup> .....	747	.....	.....	Alpaugh township.....	594	393	.....
Mott township, including Dunsuir town.....	2,680	2,071	1,251	Angiola township.....	817	377	110
Mountain township <sup>28</sup> .....	612	957	1,360	Dinuba township, <sup>21</sup> including Dinuba city.....	8,982	4,667	1,915
Oak Bar township.....	282	278	525	Ducor township, <sup>21</sup> exclusive of part of Tule River	.....	.....	.....
Scott River township.....	319	389	589	Indian Reservation.....	2,827	508	.....
Scott Valley township, including Fort Jones town.....	827	798	1,800	Exeter township, <sup>21</sup> including Exeter city.....	3,448	1,458	1,027
Somes Bar township.....	162	248	.....	Lemon Cove township.....	2,514	949	.....
Squaw Valley township.....	1,715	2,061	1,101	Lindsay township, <sup>21</sup> including Lindsay city.....	4,204	2,981	422
Table Rock township, including Montague town.....	1,285	651	1,183	Orosi township.....	3,735	2,246	1,457
Yreka township, including Yreka town.....	2,324	2,550	2,235	Porterville township, <sup>21</sup> including Porterville city	8,123	2,696	.....
				Springville township, <sup>21</sup> exclusive of part of Tule	.....	.....	.....
<b>Solano County</b> .....	<b>40,002</b>	<b>27,559</b>	<b>24,143</b>	River Indian Reservation.....	608	617	.....
Benicia township, including Benicia city.....	3,116	2,739	3,174	Strathmore township <sup>21</sup> .....	1,253	.....	.....
Denverton township.....	144	260	280	Tipton township <sup>21</sup> .....	1,591	487	580
Elmira township.....	452	494	717	Tulare township, including Tulare city.....	8,652	4,819	3,441
Green Valley township.....	618	960	757	Visalia township, <sup>21</sup> including Visalia city.....	10,384	7,055	4,948
Maine Prairie township.....	221	205	282	Tule River Indian Reservation <sup>21</sup> .....	164	148	143
Montezuma township.....	466	481	429				
Rio Vista township, including Rio Vista town.....	1,925	1,628	1,500	<b>Tuolumne County</b> .....	<b>7,768</b>	<b>9,979</b>	<b><sup>25</sup> 11,166</b>
Silveyville township, including Dixon town.....	2,444	1,853	1,588	Township 1, including Sonora city.....	2,670	2,748	2,123
Suisun township, including Fairfield and Suisun City towns.....	3,754	3,423	2,158	Township 2.....	776	1,276	1,137
Tremont township.....	275	373	403	Township 3.....	849	701	1,201
Vacaville township, including Vacaville town.....	3,158	3,005	4,160	Township 4 <sup>25</sup> .....	1,694	2,236	1,589
Vallejo township, including Vallejo city.....	24,029	12,138	8,697	Township 5.....	1,779	3,018	3,157
<b>Sonoma County</b> <sup>29</sup> .....	<b>52,090</b>	<b>48,394</b>	<b>38,480</b>	<b>Ventura County</b> <sup>30</sup> .....	<b>28,724</b>	<b>18,347</b>	<b>*14,367</b>
Analy township, including Sebastopol town.....	6,526	5,681	3,526	Camarillo township <sup>22</sup> .....	1,789	.....	.....
Bodega township.....	1,412	1,553	1,499	Fillmore township, <sup>26</sup> including Fillmore city.....	3,381	2,138	.....
Cloverdale township, including Cloverdale town.....	1,476	1,733	1,561	Ojai township.....	1,678	1,100	.....
Glen Ellen township.....	2,242	1,765	.....	Oxnard township, <sup>26</sup> including Oxnard city.....	6,997	5,062	.....
Knights Valley township.....	417	398	525	Piru township <sup>24</sup> .....	738	.....	.....
Mendocino township, including Healdsburg city.....	4,912	4,576	4,313	Santa Paula township, including Santa Paula city.....	5,430	3,347	.....
Ocean township.....	805	842	780	Simi township.....	1,538	748	.....
Petaluma township, including Petaluma city.....	9,731	8,787	5,814	Ventura township, including Ventura city.....	7,273	5,052	.....
Redwood township.....	842	950	1,357				
Russian River township.....	1,472	1,699	1,625	<b>Yolo County</b> .....	<b>17,105</b>	<b>13,926</b>	<b><sup>27</sup> 13,618</b>
Salt Point township.....	569	865	869	Blacks township.....	378	421	574
Santa Rosa township, including Santa Rosa city.....	15,063	13,560	10,985	Cacherville township.....	667	636	614
Sonoma township, including Sonoma town.....	2,608	2,765	3,172	Capay township <sup>27</sup> .....	611	855	506
Vallejo township.....	2,780	2,071	1,671	Clarksburg township.....	1,088	895	738
Washington township.....	1,235	1,140	783	Cottonwood township.....	611	528	750
				Dunnigan township <sup>27</sup> .....	386	333	.....
<b>Stanislaus County</b> .....	<b>43,557</b>	<b>22,522</b>	<b>9,550</b>	Esparto township <sup>27</sup> .....	612	.....	.....
Ceres township, <sup>21</sup> including Ceres city.....	5,571	.....	.....	Grafton township.....	770	770	621
La Grange township.....	374	652	580	Quinda township.....	525	543	775
Modesto township, <sup>21</sup> including Modesto city.....	15,439	7,258	2,989	Putah township, including Davis city.....	1,535	1,047	1,042
Newman township, <sup>21</sup> including Newman town.....	3,196	2,885	1,760	Washington township.....	2,638	1,785	1,398
Oakdale township, <sup>21</sup> including Oakdale city.....	3,906	2,455	2,531	Winters township, including Winters town.....	1,533	1,529	1,537
Patterson township, <sup>21</sup> including Patterson city.....	2,476	.....	.....	Woodland township, including Woodland city.....	5,751	4,584	4,302
Riverbank township <sup>21</sup> .....	960	.....	.....				
Turlock township, <sup>21</sup> including Turlock city.....	9,453	8,189	946	<b>Yuba County</b> .....	<b>10,375</b>	<b>10,042</b>	<b>8,620</b>
Waterford township <sup>21</sup> .....	2,173	1,183	738	East Bear River township, including Wheatland town.....	886	936	916
				Foster Bar township <sup>28</sup> .....	231	381	528
<b>Sutter County</b> .....	<b>10,115</b>	<b>6,328</b>	<b>5,886</b>	Linda township.....	1,268	805	352
Butte township.....	2,096	883	1,001	Long Bar township.....	375	416	474
Nicolaus township.....	1,196	905	921	Marysville township, including Marysville city.....	6,104	5,825	3,991
Sutter township.....	1,973	1,501	1,371	New York township.....	233	370	630
Vernon township.....	1,956	1,192	1,105	Northeast township.....	60	100	150
Yuba township, including Yuba City town.....	2,894	1,847	1,488	Parks Bar township.....	199	264	260
				Rose Bar township.....	236	221	467
<b>Tehama County</b> .....	<b>12,882</b>	<b>11,401</b>	<b>10,996</b>	Slate Range township.....	244	333	600
Corning township, including Corning city.....	3,487	2,555	2,269	West Bear River township.....	539	291	252
Cottonwood township.....	309	439	479				
Los Molinos township <sup>22</sup> .....	1,138	.....	.....				
Pascentia township.....	547	517	836				
Red Bluff township, including Red Bluff city.....	5,235	5,210	4,553				
Sierra township.....	591	1,126	1,192				
Tehama township, <sup>22</sup> including Tehama town.....	995	851	920				
Vina township.....	490	703	747				

\* See headnote.

<sup>22</sup> TRINITY.—Parts of Hay Fork and Trinity Center townships annexed to Weaverville township since 1910.

<sup>24</sup> TULARE.—Totals for 1910 and 1900 include population (5,292 in 1910; 3,541 in 1900) of Farmersville, Plano, Tule River, White River, and Woodville townships, annexed to other townships since 1910. Townships whose boundaries were extended by these annexations: Exeter, Visalia, Porterville, Ducor, and Tipton. Other changes since 1910: Allensworth township organized from part of Alila; Strathmore organized from parts of Lindsay and Porterville; name of Dinuba township changed from Kaweah. Tule River Indian Reservation in Ducor and Springville townships but independent thereof; no population returned in 1920 for part located in Springville township.

<sup>25</sup> TUOLUMNE.—Total for 1900 includes population (1,959) of township 6, annexed to township 4 between 1900 and 1910.

<sup>26</sup> VENTURA.—Part of Ventura County annexed to Los Angeles County, and part of Los Angeles County annexed to Ventura County, in 1910. Camarillo township organized from part of Oxnard, and Piru township from part of Fillmore, since 1910.

<sup>27</sup> YOLO.—Total for 1900 includes population (671) of Fairview township, part taken to form Dunnigan township and remainder annexed to Capay township between 1900 and 1910. Esparto township organized from part of Capay township since 1910.

<sup>28</sup> YUBA.—Foster Bar township returned as Fosters Bar in 1910.

<sup>29</sup> SISKIYOU.—Hilt township organized from part of Mountain, and Macdoel from part of Lake, since 1910.

<sup>30</sup> SONOMA.—Part annexed to Mendocino County, and part of Mendocino County annexed, in 1917.

<sup>31</sup> STANISLAUS.—Townships organized since 1910: Ceres from parts of Turlock and Waterford; Patterson from part of Newman; Riverbank from parts of Modesto and Oakdale.

<sup>32</sup> TEHAMA.—Los Molinos township organized from part of Tehama township since 1910.



TABLE 3.—POPULATION OF INCORPORATED PLACES: 1920, 1910, AND 1900.

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Alameda city	Alameda	23,806	23,383	16,464	Fullerton city	Orange	4,415	1,725	
Albany city	Alameda	2,462	808		Gilroy city	Santa Clara	2,862	2,437	1,820
Alhambra city	Los Angeles	9,096	5,021		Glendale city <sup>2</sup>	Los Angeles	13,536	2,746	
Alturas town	Modoc	979	916		Glendora city	Los Angeles	2,028		
Alviso town	Santa Clara	517	402		Grass Valley city	Nevada	4,006	4,520	4,719
Amador city	Amador	377			Gridley city	Butte	1,636	987	
Anaheim city	Orange	5,520	2,628	1,456	Gustine city	Merced	716		
Angels city (Angels Camp P. O.)	Calaveras	941			Hanford city	Kings	5,888	4,829	2,929
Antioch town	Contra Costa	1,936	1,124	674	Hayward town	Alameda	3,487	2,746	1,965
Arcadia city	Los Angeles	2,239	696		Healdsburg city	Sonoma	2,412	2,011	1,869
Arcata town	Humboldt	1,486	1,121	952	Hemet city	Riverside	1,480	992	
Arroyo Grande city	San Luis Obispo	760			Hercules town	Contra Costa	373	279	
Auburn city	Placer	2,289	2,376	2,050	Hermosa Beach city	Los Angeles	2,327	679	
Avalon city	Los Angeles	586			Hillsborough town	San Mateo	931		
Azusa city	Los Angeles	2,460	1,477	803	Hollister city	San Benito	2,781	2,308	1,315
Bakersfield city	Kern	18,638	12,727	4,836	Holtville city	Imperial	1,347	729	
Banning city	Riverside	1,810			Hornitos town	Mariposa	100	100	205
Beaumont city	Riverside	857			Huntington Beach city	Orange	1,687	815	
Belvedere town	Marin	616	481	434	Huntington Park city	Los Angeles	4,513	1,299	
Benicia city	Solano	2,693	2,300	2,751	Imperial city	Imperial	1,885	1,257	
Berkeley city	Alameda	56,036	40,434	13,214	Inglewood city	Los Angeles	3,286	1,536	
Beverly Hills city	Los Angeles	674			Jackson city	Amador	1,601	2,035	
Biggs city	Butte	683	403		Kennett city	Shasta	464		
Bishop city	Inyo	1,304	1,190		King City	Monterey	1,048		
Blue Lake town	Humboldt	441	507		Kingsburg city	Fresno	1,316	634	
Blythe city	Riverside	1,622			La Mesa city	San Diego	1,004		
Brawley city	Imperial	5,389	881		La Verne city <sup>3</sup>	Los Angeles	1,698	954	
Brea city	Orange	1,037			Lakeport town	Lake	1,024	870	725
Burbank city	Los Angeles	2,913			Larkspur town	Marin	612	594	
Burlingame town	San Mateo	4,107	1,565		Lemoore city	Kings	1,355	1,000	
Calexico city	Imperial	6,223	797		Lincoln town	Placer	1,325	1,402	1,061
Calipatria city	Imperial	785			Lindsay city	Tulare	2,576	1,814	
Calistoga town	Napa	850	751	690	Livermore town	Alameda	1,916	2,030	1,493
Carmel-by-the-Sea city	Monterey	638			Lodi city	San Joaquin	4,850	2,697	
Ceres city	Stanislaus	637			Lompoc city	Santa Barbara	1,876	1,482	972
Chico city	Butte	9,339	3,750	2,640	Long Beach city	Los Angeles	55,593	17,809	2,252
Chino city	San Bernardino	2,132	1,444		Los Angeles city <sup>2</sup>	Los Angeles	576,673	319,198	102,479
Chula Vista city	San Diego	1,718			Los Banos town	Merced	1,276	745	
Claremont city	Los Angeles	1,728	1,114		Los Gatos town	Santa Clara	2,317	2,232	1,915
Cloverdale town	Sonoma	718	823	750	Loyalton town	Sierra	442	983	
Clovis city	Fresno	1,157			McKittrick city	Kern	207		
Coalinga city	Fresno	2,934	4,199		Madera city	Madera	3,444	2,404	
Colfax city	Placer	573	621		Manhattan Beach city	Los Angeles	859		
Colton city	San Bernardino	4,282	3,980	1,285	Manteca city	San Joaquin	1,286		
Colusa town	Colusa	1,846	1,582	1,441	Maricopa city	Kern	1,121		
Compton city	Los Angeles	1,478	922		Martinez town	Contra Costa	3,858	2,115	1,380
Concord town	Contra Costa	912	703		Marysville city	Yuba	5,461	5,430	3,497
Coram town	Shasta	32	666		Mayfield town	Santa Clara	1,127	1,041	
Corcoran city	Kings	1,101			Merced city	Merced	3,974	3,102	1,969
Corning city	Tehama	1,449	972		Mill Valley town	Marin	2,554	2,551	
Corona city	Riverside	4,129	3,540	1,434	Modesto city	Stanislaus	9,241	4,034	2,024
Coronado city	San Diego	3,289	1,477	935	Monrovia city	Los Angeles	5,480	3,576	1,205
Corte Madera town	Marin	607			Montague town	Siskiyou	453	274	
Covina city	Los Angeles	1,999	1,652		Monterey city	Monterey	5,479	4,923	1,748
Crescent City	Del Norte	955	1,114	609	Monterey Park city	Los Angeles	4,108		
Culver city	Los Angeles	503			Morgan Hill town	Santa Clara	646	607	
Daly City	San Mateo	3,779			Mountain View town	Santa Clara	1,888	1,161	
Davis city	Yolo	939			Napa city	Napa	6,757	5,791	4,036
Delano city	Kern	805			National City	San Diego	3,116	1,733	1,086
Dinuba city	Tulare	3,400	970		Needles city	San Bernardino	2,807		
Dixon town	Solano	926	827	783	Nevada City	Nevada	1,782	2,689	3,250
Dorris town	Siskiyou	424	214		Newman town	Stanislaus	1,251	892	
Dunsmuir town	Siskiyou	2,528	1,719		Newport Beach city	Orange	894	445	
Eagle Rock city	Los Angeles	2,256			Oakdale city	Stanislaus	1,745	1,035	
East San Diego city	San Diego	4,148			Oakland city <sup>2</sup>	Alameda	216,261	150,174	66,960
El Cajon city	San Diego	469			Oceanside city	San Diego	1,161	673	330
El Centro city	Imperial	5,464	1,610		Ontario city	San Bernardino	7,280	4,274	722
El Cerrito town	Contra Costa	1,605			Orange city	Orange	4,884	2,920	1,216
El Monte city	Los Angeles	1,283			Orland town	Glenn	1,532	836	
El Segundo city	Los Angeles	1,593			Oroville city	Butte	3,340	3,859	
Elsinore city	Riverside	633	488	279	Oxnard city	Ventura	4,417	2,555	
Emeryville town	Alameda	2,390	2,613	1,016	Pacific Grove city	Monterey	2,974	2,384	1,411
Escondido city	San Diego	1,789	1,334	755	Palo Alto city	Santa Clara	5,900	4,486	1,658
Etna town	Siskiyou	425	518	500	Pasadena city <sup>2</sup>	Los Angeles	45,354	30,291	9,117
Eureka city	Humboldt	12,923	11,845	7,327	Paso Robles city	San Luis Obispo	1,919	1,441	1,224
Exeter city	Tulare	1,852			Patterson city	Stanislaus	694		
Fairfield town	Solano	1,008	834		Ferris city	Riverside	499		
Ferndale town	Humboldt	919	905	846	Petaluma city	Sonoma	6,226	5,880	3,871
Fillmore city	Ventura	1,597			Piedmont city	Alameda	4,282	1,719	
Firebaugh city	Fresno	( <sup>1</sup> )			Pinole town	Contra Costa	967	798	
Fort Bragg city	Mendocino	2,616	2,408	1,590	Pittsburg town <sup>4</sup>	Contra Costa	4,715	2,372	
Fort Jones town	Siskiyou	331	316	356	Placerville city	Eldorado	1,060	1,914	1,748
Fortuna town	Humboldt	956	883		Pleasanton town	Alameda	991	1,254	1,100
Fowler town	Fresno	1,528	675		Plymouth city	Amador	657		
Fresno city <sup>2</sup>	Fresno	45,086	24,892	12,470	Point Arena city	Mendocino	394	497	

<sup>1</sup> Not returned separately.<sup>2</sup> See county footnote, Table 2.<sup>3</sup> Name changed from Lordsburg since 1910.<sup>4</sup> Name changed from Black Diamond since 1910.



## POPULATION—CALIFORNIA.

TABLE 3.—POPULATION OF INCORPORATED PLACES: 1920, 1910, AND 1900—Continued.

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Pomona city.....	Los Angeles.....	13,505	10,207	5,526	Santa Rosa city.....	Sonoma.....	8,758	7,817	6,673
Porterville city.....	Tulare.....	4,097	2,696	.....	Sausalito town.....	Marin.....	2,790	2,383	1,628
Potter Valley town.....	Mendocino.....	512	576	563	Seal Beach city.....	Orange.....	699	.....	.....
Red Bluff city.....	Tehama.....	3,104	3,530	2,750	Sebastopol town.....	Sonoma.....	1,493	1,233	.....
Redding city.....	Shasta.....	2,962	3,572	2,946	Selma city.....	Fresno.....	3,458	1,750	1,083
Redlands city.....	San Bernardino.....	9,571	10,449	4,797	Sierra Madre city.....	Los Angeles.....	2,028	1,303	.....
Redondo Beach city.....	Los Angeles.....	4,913	2,935	855	Sisson town.....	Siskiyou.....	542	636	.....
Redwood City town.....	San Mateo.....	4,020	2,442	1,653	Sonoma town.....	Sonoma.....	801	957	652
Reedley city.....	Fresno.....	2,447	.....	.....	Sonora city.....	Tuolumne.....	1,684	2,029	1,822
Rialto city.....	San Bernardino.....	961	.....	.....	South Pasadena city.....	Los Angeles.....	7,652	4,649	1,001
Richmond city.....	Contra Costa.....	16,843	6,802	.....	South San Francisco city.....	San Mateo.....	4,411	1,989	.....
Rio Vista town.....	Solano.....	1,104	884	682	Stanton city.....	Orange.....	695	.....	.....
Riverside city.....	Riverside.....	19,341	15,212	7,973	Stockton city <sup>1</sup> .....	San Joaquin.....	40,296	23,253	17,506
Rocklin town.....	Placer.....	613	1,023	1,050	Suisun City town.....	Solano.....	769	641	626
Roseville city.....	Placer.....	4,477	2,608	.....	Sunnyvale town.....	Santa Clara.....	1,675	.....	.....
Ross town.....	Marin.....	727	550	.....	Susanville city <sup>2</sup> .....	Lassen.....	918	688	.....
Sacramento city <sup>1</sup> .....	Sacramento.....	65,908	44,696	29,282	Sutter Creek city.....	Amador.....	920	.....	.....
St. Helena town.....	Napa.....	1,346	1,603	1,582	Taft city.....	Kern.....	3,317	.....	.....
Salinas city.....	Monterey.....	4,308	3,730	3,304	Tehachapi city.....	Kern.....	458	385	.....
San Anselmo town.....	Marin.....	2,475	1,531	.....	Tehama town.....	Tehama.....	196	221	.....
San Bernardino city.....	San Bernardino.....	18,721	12,779	6,150	Tracy city.....	San Joaquin.....	2,450	.....	.....
San Bruno city.....	San Mateo.....	1,562	.....	.....	Tulare city.....	Tulare.....	3,539	2,768	2,216
San Diego city.....	San Diego.....	74,683	39,578	17,700	Turlock city.....	Stanislaus.....	3,394	1,573	.....
San Fernando city.....	Los Angeles.....	3,204	.....	.....	Ukiah city.....	Mendocino.....	2,305	2,136	1,850
San Francisco city.....	San Francisco.....	506,676	416,912	342,782	Upland city.....	San Bernardino.....	2,912	2,384	.....
San Gabriel city.....	Los Angeles.....	2,640	.....	.....	Vacaville town.....	Solano.....	1,254	1,177	1,220
San Jacinto city.....	Riverside.....	945	898	593	Vallejo city.....	Solano.....	21,107	11,340	7,965
San Jose city <sup>1</sup> .....	Santa Clara.....	39,642	28,946	21,500	Venice city <sup>3</sup> .....	Los Angeles.....	10,385	3,119	.....
San Juan town.....	San Benito.....	501	326	440	Ventura city.....	Ventura.....	4,342	2,945	2,470
San Leandro city <sup>1</sup> .....	Alameda.....	5,703	3,471	2,253	Vernon city.....	Los Angeles.....	1,005	772	.....
San Luis Obispo city.....	San Luis Obispo.....	5,895	5,157	3,021	Visalia city.....	Tulare.....	6,753	4,550	3,085
San Marino city.....	Los Angeles.....	584	.....	.....	Walnut Creek town.....	Contra Costa.....	538	.....	.....
San Mateo city.....	San Mateo.....	5,979	4,384	1,832	Watsonville city.....	Santa Cruz.....	5,013	4,446	3,528
San Rafael city.....	Marin.....	5,512	5,934	3,879	Watts city.....	Los Angeles.....	4,529	1,922	.....
Sanger city.....	Fresno.....	2,578	.....	.....	Wheatland town.....	Yuba.....	435	481	492
Santa Ana city.....	Orange.....	15,485	8,429	4,933	Whittier city.....	Los Angeles.....	7,097	4,550	1,590
Santa Barbara city.....	Santa Barbara.....	19,441	11,650	6,587	Willits town.....	Mendocino.....	1,468	1,153	791
Santa Clara town.....	Santa Clara.....	5,220	4,348	3,650	Willows town.....	Glenn.....	2,190	1,139	893
Santa Cruz city.....	Santa Cruz.....	10,917	11,146	5,659	Winters town.....	Yolo.....	903	910	785
Santa Maria city.....	Santa Barbara.....	8,943	2,260	.....	Woodland city.....	Yolo.....	4,147	3,187	2,886
Santa Monica city.....	Los Angeles.....	15,252	7,847	3,057	Yreka town.....	Siskiyou.....	1,277	1,134	1,254
Santa Paula city.....	Ventura.....	3,987	2,216	.....	Yuba City town.....	Sutter.....	1,708	1,160	.....

<sup>1</sup> See county footnote, Table 2.<sup>2</sup> Incorporated as a city since 1910.<sup>3</sup> Name changed from Ocean Park since 1910.



# NUMBER AND DISTRIBUTION.

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TABLE 4.—POPULATION OF WARDS (OR ASSEMBLY DISTRICTS) OF CITIES AND TOWNS HAVING 5,000 INHABITANTS OR MORE: 1920.

WARD.	1920	WARD.	1920	WARD.	1920	WARD.	1920
Alameda city.....	28,806	Marysville city.....	5,461	Sacramento city.....	65,908	Santa Cruz city.....	10,917
(Not reported by wards.)		(Not reported by wards.)		Assembly district 14.....	34,098	Ward 1.....	1,056
Alhambra city.....	9,096	Modesto city.....	9,241	Assembly district 15.....	31,810	Ward 2.....	1,618
(Not reported by wards.)		Ward 1.....	1,420	San Bernardino city.....	13,721	Ward 3.....	1,291
Anaheim city.....	5,526	Ward 2.....	1,054	(Not reported by wards.)		Ward 4.....	1,476
(Not reported by wards.)		Ward 3.....	1,655	San Diego city.....	74,683	Ward 5.....	1,181
Bakersfield city.....	18,638	Ward 4.....	1,433	(Not reported by wards.)		Ward 6.....	1,560
(Not reported by wards.)		Ward 5.....	1,899	San Francisco city.....	506,676	Ward 7.....	1,493
Berkeley city.....	56,036	Ward 6.....	1,092	Assembly district 21.....	33,917	Ward 8.....	1,242
(Not reported by wards.)		Ward 7.....	1,688	Assembly district 22.....	22,534	Santa Monica city.....	15,252
Brawley city.....	5,389	Monrovia city.....	5,480	Assembly district 23.....	35,600	(Not reported by wards.)	
(Not reported by wards.)		(Not reported by wards.)		Assembly district 24.....	33,147	Santa Rosa city.....	8,758
Calexico city.....	6,223	Monterey city.....	5,479	Assembly district 25.....	33,387	Ward 1.....	1,825
(Not reported by wards.)		(Not reported by wards.)		Assembly district 26.....	43,349	Ward 2.....	1,155
Chico city.....	9,339	Napa city.....	6,757	Assembly district 27.....	34,622	Ward 3.....	1,744
(Not reported by wards.)		(Not reported by wards.)		Assembly district 28.....	47,554	Ward 4.....	1,771
El Centro city.....	5,484	Oakland city.....	216,261	Assembly district 29.....	34,664	Ward 5.....	1,026
(Not reported by wards.)		(Not reported by wards.)		Assembly district 30.....	42,443	Ward 6.....	1,237
Eureka city.....	12,923	Ontario city.....	7,280	Assembly district 31.....	39,588	South Pasadena city....	7,652
Ward 1.....	1,401	(Not reported by wards.)		Assembly district 32.....	52,037	(Not reported by wards.)	
Ward 2.....	1,759	Palo Alto city.....	5,900	Assembly district 33.....	53,834	Stockton city.....	40,296
Ward 3.....	3,526	(Not reported by wards.)		San Jose city.....	39,642	Ward 1.....	7,292
Ward 4.....	2,071	Pasadena city.....	45,354	(Not reported by wards.)		Ward 2.....	8,446
Ward 5.....	4,166	Assembly district 61 (part of).	164	San Leandro city.....	5,703	Ward 3.....	8,916
Fresno city.....	45,086	Assembly district 67 (part of).	45,190	(Not reported by wards.)		Ward 4.....	9,623
(Not reported by wards.)		Petaluma city.....	6,226	San Luis Obispo city....	5,895	Ward 5.....	4,397
Glendale city.....	13,536	(Not reported by wards.)		(Not reported by wards.)		Ward 6.....	3,622
(Not reported by wards.)		Pomona city.....	13,505	San Mateo city.....	5,979	Vallejo city.....	21,107
Hanford city.....	5,888	Ward 1.....	3,443	(Not reported by wards.)		(Not reported by wards.)	
(Not reported by wards.)		Ward 2.....	3,430	San Rafael city.....	5,512	Venice city.....	10,385
Long Beach city.....	55,593	Ward 3.....	2,969	(Not reported by wards.)		(Not reported by wards.)	
(Not reported by wards.)		Ward 4.....	3,663	Santa Ana city.....	15,485	Visalia city.....	5,753
Los Angeles city.....	576,673	Redlands city.....	9,571	Ward 1.....	2,386	Ward 1.....	682
Assembly district 61 (part of).	41,160	(Not reported by wards.)		Ward 2.....	3,048	Ward 2.....	388
Assembly district 62 (part of).	9,816	Richmond city.....	16,843	Ward 3.....	3,161	Ward 3.....	337
Assembly district 63.....	89,324	(Not reported by wards.)		Ward 4.....	3,887	Ward 4.....	213
Assembly district 64.....	63,783	Riverside city.....	19,341	Ward 5.....	3,003	Ward 5.....	512
Assembly district 65.....	41,429	Ward 1.....	2,514	Santa Barbara city.....	19,441	Ward 6.....	601
Assembly district 66.....	49,560	Ward 2.....	3,509	(Not reported by wards.)		Ward 7.....	541
Assembly district 69 (part of).	2,520	Ward 3.....	3,027	Santa Clara town.....	5,226	Ward 8.....	631
Assembly district 70 (part of).	2	Ward 4.....	2,865	(Not reported by wards.)		Ward 9.....	502
Assembly district 71 (part of).	63,233	Ward 5.....	2,816	Whittier city.....	7,997	Ward 10.....	609
Assembly district 72.....	66,939	Ward 6.....	4,610	(Not reported by wards.)		Ward 11.....	500
Assembly district 73.....	50,439					Ward 12.....	237
Assembly district 74.....	44,268					Watsonville city.....	5,013
Assembly district 75.....	54,200					(Not reported by wards.)	



## POPULATION—CALIFORNIA.

TABLE 5.—URBAN AND RURAL POPULATION OF COUNTIES: 1920, 1910, AND 1900.

[A minus sign (—) denotes decrease.]

COUNTY.	POPULATION.						PER CENT URBAN IN TOTAL POPULATION.			PER CENT OF INCREASE IN—				Rural population per square mile: 1920.
	1920		1910		1900					Urban population.		Rural population.		
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	1920	1910	1900	1910 to 1920.	1900 to 1910.	1910 to 1920.	1900 to 1910.	
California.....	2,331,729	1,095,132	1,469,739	907,810	777,699	707,354	68.0	61.8	52.4	58.6	89.0	20.6	28.3	7.0
Alameda.....	314,575	29,602	222,821	23,310	96,638	33,559	91.4	90.5	74.2	41.2	130.6	27.0	-30.5	40.4
Butte.....	12,679	17,351	7,609	19,692	2,640	14,477	42.2	27.9	15.4	66.6	188.2	-11.9	36.0	10.2
Contra Costa.....	25,416	28,473	6,802	24,872	18,046	18,046	47.2	21.5		273.7		14.5	37.8	39.9
Fresno.....	53,756	75,023	29,091	46,566	12,470	25,302	41.7	38.5	32.9	84.8	133.3	61.1	83.4	12.6
Humboldt.....	12,923	24,490	11,845	22,012	7,327	19,777	34.5	35.0	27.0	9.1	61.7	11.3	11.3	6.9
Imperial.....	17,076	26,377		13,591			30.3					94.1		6.5
Kern.....	21,955	32,888	12,727	24,988	4,836	11,644	40.0	33.7	29.3	72.5	163.2	31.6	114.6	4.1
Kings.....	5,888	16,143	4,829	11,401	2,929	6,942	26.7	29.8	29.7	21.9	64.9	41.6	64.2	13.9
Los Angeles.....	790,629	145,826	411,948	92,183	120,179	50,119	84.4	81.7	70.6	91.9	242.8	58.2	83.9	35.4
Madera.....	3,444	8,759		8,368		6,364	28.2					4.7	31.5	4.1
Marin.....	10,856	16,486	8,485	16,629	3,879	11,823	39.7	33.8	24.7	27.9	118.7	-0.9	40.6	31.2
Mendocino.....	2,618	21,500		23,929		20,465	10.8					-10.2	16.9	6.1
Merced.....	3,974	20,605	3,102	12,046	9,215	9,215	16.2	20.5		28.1		71.1	30.7	10.3
Monterey.....	12,761	15,219	8,659	15,457	3,304	16,076	45.6	35.9	17.0	47.4	162.1	-1.7	-3.7	4.6
Napa.....	6,767	13,921	5,791	14,009	4,036	12,415	32.7	29.2	24.5	16.7	43.5	-0.6	12.8	17.8
Nevada.....	4,006	6,844	7,209	7,746	7,969	9,820	36.9	48.2	44.8	-44.4	-9.5	-11.6	-21.1	7.0
Orange.....	30,310	31,065	13,977	20,459	4,933	14,763	49.4	40.6	25.0	116.9	183.3	51.8	38.6	39.1
Placer.....	4,477	14,107	2,608	15,629	15,786	15,786	24.1	14.3		71.7		-9.7	-1.0	10.0
Riverside.....	23,470	26,827	18,752	15,944	7,973	9,924	46.7	54.0	44.5	25.2	135.2	68.3	60.7	3.7
Sacramento.....	65,908	25,121	44,696	23,110	29,282	16,633	72.4	65.9	63.8	47.5	52.6	8.7	38.9	25.6
San Benito.....	2,781	6,214		8,041		6,633	30.9					-22.7	21.2	4.5
San Bernardino.....	45,573	27,828	31,482	25,224	10,947	16,982	62.1	55.5	39.2	44.8	187.6	10.3	48.5	1.4
San Diego.....	85,236	27,012	39,578	22,087	17,700	17,390	75.0	64.2	50.4	115.4	123.0	22.3	27.0	6.4
San Francisco.....	506,676		410,912		342,782		100.0	100.0	100.0	21.5	21.6			
San Joaquin.....	45,146	34,759	25,950	24,781	17,506	17,946	56.5	51.2	49.4	74.0	48.2	40.3	38.1	24.0
San Luis Obispo.....	5,895	15,998	5,157	14,226	3,021	13,616	26.9	26.6	18.2	14.3	70.7	12.5	4.5	4.8
San Mateo.....	22,290	14,485	4,384	22,201	12,094	12,094	60.6	16.5		408.6		-34.8	83.6	32.4
Santa Barbara.....	23,384	17,713	11,659	16,079	6,587	12,347	56.9	42.0	34.8	100.6	77.0	10.2	30.2	6.5
Santa Clara.....	53,624	47,052	37,780	45,759	25,150	35,066	53.3	45.2	41.8	41.9	50.2	2.8	30.5	35.4
Santa Cruz.....	15,930	10,339	15,592	10,548	9,187	12,325	60.6	59.6	42.7	2.2	69.7	-2.0	-14.4	23.8
Shasta.....	2,962	10,399		15,348	2,946	14,372	22.2	18.9	17.0	-17.1	21.2	-32.2	6.8	2.7
Siskiyou.....	2,528	16,017		18,801		16,962	13.6					-14.8	10.8	2.6
Solano.....	23,809	16,802	11,340	16,219	10,716	13,427	58.6	41.1	44.4	109.9	5.8	3.6	20.8	20.4
Sonoma.....	14,984	37,106	13,697	34,697	10,544	27,036	28.8	28.3	27.4	9.4	29.9	6.9	24.2	23.5
Stanislaus.....	12,635	30,922	4,034	18,488		9,550	29.0	17.9		213.2		67.8	93.6	21.3
Tehama.....	3,104	9,778	3,530	7,871	2,750	8,246	24.1	31.0	25.0	-12.1	28.4	24.2	-4.5	3.3
Tulare.....	19,365	39,666	10,004	25,436	3,085	15,290	32.8	28.2	16.8	93.6	224.3	55.9	66.4	8.2
Ventura.....	12,726	15,998	5,500	12,847	14,367	14,367	44.3	30.0		131.4		24.5	-10.6	8.6
Yolo.....	4,147	12,658	3,187	10,739	2,886	10,732	24.2	22.9	21.2	30.1	10.4	20.7	0.1	12.8
Yuba.....	5,461	4,914	5,430	4,612	3,497	5,123	52.6	54.1	40.6	0.6	55.3	6.5	-10.0	7.8
All other counties <sup>1</sup> .....		102,545		101,835		103,710							-1.8	2.5

<sup>1</sup> Comprises all counties in which there were no incorporated places having 2,500 inhabitants or more in 1920. These counties are Alpine, Amador, Calaveras, Colusa, Del Norte, Eldorado, Glenn, Inyo, Lake, Lassen, Mariposa, Modoc, Mono, Plumas, Sierra, Sutter, Trinity, and Tuolumne.



## COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

This section gives detailed statistics as to the composition and characteristics of the population on January 1, 1920. It contains detailed tables, which present statistics of color or race, nativity, parentage, sex, age, school attendance, citizenship, illiteracy, dwellings and families, and country of birth, for the state and for its counties and cities. There are, besides, eight summary tables, which reproduce from the detailed tables the more important state and city totals, and supplemental tables for the Indian, Chinese, and Japanese population. There are, also, statistics which cover the following subjects, not included in the second series of state bulletins: Marital condition, state of birth, year of immigration, inability to speak English, country of origin, mother tongue, and ownership of homes. The full presentation of all these subjects is contained in Volume II of the Fourteenth Census Reports.

The principal occupations, as reported for persons 10 years of age and over, are given by sex, color or race, nativity, parentage, and age periods, followed by a summary, by marital condition and age groups, of women gainfully occupied.

Because of the wide differences in characteristics among the various classes of the population, the statistics on each subject are shown according to color or race, and for the white population according to nativity and parentage. Classification according to nativity and parentage has not been deemed necessary for the other races, since nearly all Negroes and Indians are natives of native parentage, while nearly all Chinese and Japanese are either foreign born or of foreign parentage.

The white population is divided into four groups: (1) Native, native parentage—that is, having both parents born in the United States; (2) native, foreign parentage—having both parents born abroad; (3) native, mixed parentage—having one parent native and the other foreign born; (4) foreign born. As the second and third classes do not differ greatly in characteristics, they are combined in certain tables; and in some cases all three native classes are combined.

The presentation of statistics on country of birth of the foreign-born white population is made on the basis of the postwar map. Because of the many political changes which have resulted from the war, comparative figures for 1910 for this class of the population by individual European countries are not presented here.

Since marked differences often exist between urban and rural communities with respect to the composition

and characteristics of their population, the two classes are shown separately in connection with several of the subjects. Urban population, as defined by the Census Bureau, is that residing in cities and other incorporated places having 2,500 inhabitants or more, the remainder being classified as rural.

The census inquiry as to school attendance was merely as to whether the person enumerated had attended school, college, or any kind of educational institution at any time between September 1, 1919, and the census date, January 1, 1920.

The Census Bureau classifies as illiterate any person 10 years of age or over who is unable to write in any language, not necessarily English, regardless of ability to read.

The statistics of marital condition relate only to persons 15 years of age and over, as the number of persons under 15 who are married, widowed, or divorced is naturally insignificant. The terms refer only to the marital status of the population on the census date.

The returns as to state of birth are valuable mainly for the light they throw on the migration of the native population within the United States; they show, for each state, the population residing there on January 1, 1920, distributed as born in the state or elsewhere.

Since the foreign-born population consists mainly of foreign-born whites, the statistics for citizenship relate to this class only. The classification embraces four groups, namely, persons reported as naturalized, persons reported as having taken out first papers, persons reported as aliens, and persons for whom citizenship was not reported.

The inquiry as to year of immigration supplies a means for determining what proportion of the immigrants who arrived during a given year or period of years were still alive and residing in this country on the census date.

The foreign white stock comprises the total of three classes, the foreign-born whites, the native whites of foreign parentage (both parents born abroad), and the native whites of mixed parentage (one parent native and the other foreign born). The term "country of origin," as used in this report, signifies the country of birth of the father of a foreign-born person or the foreign-born parent or parents of a native. The term "mother tongue" means the language of customary speech in the homes of immigrants before immigration.



## POPULATION—CALIFORNIA.

TABLE 1.—COLOR OR RACE, NATIVITY, PARENTAGE, AND SEX, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920, 1910, AND 1900.

CLASS OF POPULATION.	NUMBER.			PER CENT OF TOTAL.			1920		1910		1900		MALES TO 100 FEMALES. <sup>1</sup>		
	1920	1910	1900	1920	1910	1900	Male.	Female.	Male.	Female.	Male.	Female.	1920	1910	1900
<b>THE STATE.</b>															
<b>Total population</b> .....	3,428,861	2,377,549	1,485,053	100.0	100.0	100.0	1,813,591	1,613,270	1,322,978	1,054,571	820,531	684,522	112.4	125.5	123.5
White.....	3,264,711	2,250,672	1,402,727	95.3	95.0	94.5	1,710,223	1,554,488	1,232,980	1,025,682	755,147	647,580	110.0	120.1	116.6
Negro.....	38,763	21,645	11,045	1.1	0.9	0.7	19,537	13,926	11,303	10,342	5,766	5,279	104.8	109.3	109.2
Indian.....	17,360	16,371	15,377	0.5	0.7	1.0	9,035	8,275	8,356	5,015	7,723	7,654	109.3	104.3	109.2
Chinese.....	28,812	36,248	45,753	0.8	1.5	3.1	24,230	4,582	33,003	3,245	42,297	3,456	528.3	1,017.0	1,223.9
Japanese.....	71,952	41,356	10,151	2.1	1.7	0.7	45,414	26,538	36,115	6,240	9,598	563	171.1	562.8	1,735.6
All other.....	45,263	2,557	.....	0.2	0.1	.....	4,802	491	2,210	47	.....	.....	1,041.6	.....	.....
Native white, total.....	2,583,049	1,742,422	1,086,222	75.4	73.3	73.1	1,308,373	1,274,676	907,573	834,849	563,335	522,887	102.6	108.7	107.7
Native parentage.....	1,677,955	1,106,533	644,428	49.0	46.5	43.4	890,108	817,759	585,658	520,875	340,617	303,811	105.2	112.4	112.1
Foreign parentage.....	573,927	403,364	282,830	16.7	17.0	19.0	285,650	285,277	205,289	198,095	142,831	139,999	99.1	103.6	102.0
Mixed parentage.....	331,167	232,525	158,904	9.7	9.8	10.7	162,527	168,640	115,046	115,879	79,887	79,077	96.4	100.7	101.0
Foreign-born white.....	681,662	517,250	316,505	19.9	21.8	21.3	401,850	279,812	325,417	191,833	191,812	124,693	143.6	169.6	153.8
<b>URBAN POPULATION.</b>															
<b>Total</b> .....	2,331,729	1,459,739	777,699	100.0	100.0	100.0	1,190,872	1,140,857	781,502	688,237	404,325	373,374	104.4	113.6	108.3
White.....	2,238,567	1,407,251	741,722	96.0	95.7	95.4	1,132,139	1,106,428	734,747	672,504	375,743	365,979	102.3	109.3	102.7
Negro.....	33,888	18,309	8,075	1.5	1.3	1.0	16,982	16,906	9,285	9,114	4,019	4,056	100.4	101.9	99.1
Indian, Chinese, Japanese, and all other.....	59,274	44,089	27,902	2.5	3.0	3.6	41,751	17,523	37,470	6,619	24,563	3,339	238.3	566.1	735.6
Native white, total.....	1,765,991	1,075,415	554,084	75.7	73.2	71.4	896,223	899,768	539,492	535,923	272,088	252,896	96.3	100.7	96.2
Native parentage.....	1,122,925	652,650	292,490	48.2	44.4	37.6	557,353	565,572	333,136	319,523	145,984	146,506	98.5	104.3	99.6
Foreign parentage.....	407,509	271,519	202,494	17.5	18.5	23.8	196,803	210,706	133,313	138,206	126,104	136,390	93.4	96.5	92.5
Mixed parentage.....	235,557	151,237	109,100	10.1	10.3	13.8	112,067	123,490	72,043	78,194	103,655	83,083	90.7	93.4	92.5
Foreign-born white.....	472,576	331,836	186,738	20.3	22.6	24.0	265,916	206,660	195,255	136,681	103,655	83,083	128.7	143.0	124.8
<b>RURAL POPULATION.</b>															
<b>Total</b> .....	1,095,132	907,810	707,354	100.0	100.0	100.0	622,719	472,413	541,476	366,334	416,206	291,148	131.8	147.8	143.0
White.....	1,020,144	852,421	661,005	93.7	93.9	93.4	578,084	448,060	498,243	354,178	379,404	281,601	129.0	140.7	134.7
Negro.....	4,875	3,246	2,070	0.4	0.4	0.4	2,855	2,020	2,018	1,228	1,747	1,223	141.3	164.3	142.8
Indian, Chinese, Japanese, and all other.....	64,113	52,143	43,379	5.9	5.7	6.1	41,780	22,333	41,215	10,928	35,055	8,324	187.1	377.2	421.1
Native white, total.....	817,058	607,007	531,238	74.6	73.5	75.1	442,150	374,908	368,081	298,926	291,247	239,991	117.9	123.1	121.4
Native parentage.....	555,030	453,874	351,938	50.7	50.0	49.8	302,843	252,122	252,522	201,352	194,633	157,305	120.1	125.4	123.7
Foreign parentage.....	166,418	131,845	109,300	15.2	14.5	15.3	88,847	77,571	71,950	59,889	96,014	82,686	114.5	120.1	116.8
Mixed parentage.....	95,610	81,268	60,000	8.7	9.0	10.0	50,440	45,150	43,603	37,685	60,014	82,686	111.8	115.7	116.8
Foreign-born white.....	209,086	185,414	129,767	19.1	20.4	18.3	135,934	73,152	130,162	55,252	88,157	41,610	185.8	235.6	211.9

<sup>1</sup> Ratio not shown where number of females is less than 100.<sup>2</sup> Comprises 2,674 Filipinos, 1,723 Hindus, 772 Koreans, 70 Hawaiians, 12 Malays, 6 Samoans, 5 Siamese, and 1 Maori.

TABLE 2.—SCHOOL ATTENDANCE, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920 AND 1910.

[For statistics of school attendance for Indian, Chinese, and Japanese population, see supplemental table.]

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.								
	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
THE STATE: 1920															
5 to 20 years, inclusive.....	833,104	579,211	69.5	468,918	340,210	72.6	270,034	188,610	69.8	63,021	31,462	49.9	8,628	5,933	68.8
Male.....	422,335	280,374	66.8	237,582	169,907	71.5	135,314	94,049	69.5	32,360	16,253	50.2	4,126	2,765	67.0
Female.....	410,769	288,837	70.3	231,336	170,303	73.6	134,720	94,561	70.2	30,661	15,209	49.6	4,502	3,168	70.4
5 and 6 years.....	114,950	58,102	50.5	64,349	34,075	53.0	40,818	20,196	49.5	3,949	1,632	41.3	1,103	653	59.2
7 to 13 years.....	376,303	352,563	93.7	214,374	203,065	94.7	128,959	119,423	94.1	22,717	19,312	85.0	3,806	3,570	93.8
14 and 15 years.....	93,346	83,191	89.1	53,408	48,980	91.7	29,252	25,969	88.8	7,771	5,827	75.0	1,021	912	89.3
16 and 17 years.....	94,620	51,694	54.7	52,745	32,268	61.2	25,060	14,592	50.4	9,502	2,952	31.1	958	524	54.7
18 to 20 years.....	153,985	33,661	21.9	84,042	21,822	26.0	44,045	8,430	19.1	19,082	1,739	9.1	1,740	274	15.7
URBAN POPULATION.															
5 and 6 years.....	71,279	40,102	56.3	39,716	23,068	58.1	26,028	14,291	54.9	2,616	1,240	47.4	929	592	63.7
7 to 13 years.....	237,371	223,774	94.3	132,681	125,955	94.9	82,827	78,408	94.7	14,997	13,140	87.6	3,190	3,014	94.5
14 to 20 years.....	229,287	113,058	49.3	125,868	67,571	53.7	70,383	33,496	47.6	24,887	7,785	31.3	3,181	1,473	46.3
RURAL POPULATION.															
5 and 6 years.....	43,671	18,000	41.2	24,633	11,007	44.7	14,700	5,905	39.9	1,333	392	29.4	174	61	35.1
7 to 13 years.....	138,932	128,789	92.7	81,693	77,110	94.4	44,132	41,015	92.9	7,720	6,172	79.9	616	556	90.3
14 to 20 years.....	112,564	55,488	49.3	64,327	35,499	55.2	31,874	15,495	48.0	11,468	2,733	23.8	538	237	44.1
THE STATE: 1910															
5 to 20 years, inclusive.....	592,107	366,778	61.9	317,929	208,364	65.5	209,461	131,155	62.6	44,721	18,020	40.3	5,047	3,002	59.5
Male.....	304,191	182,966	60.1	160,476	103,008	64.2	104,586	65,321	62.3	26,339	9,320	35.4	2,428	1,392	57.3
Female.....	287,916	183,812	63.8	157,453	105,356	66.9	104,865	65,834	63.0	18,382	8,700	47.3	2,619	1,610	61.5
5 and 6 years.....	72,628	24,859	34.2	41,788	14,170	33.9	25,699	9,038	35.2	2,916	1,038	35.6	611	251	41.1
7 to 13 years.....	241,081	220,759	91.6	134,669	124,121	92.2	86,297	79,907	92.6	13,667	11,853	86.7	1,962	1,813	92.4
14 and 15 years.....	72,238	60,418	83.6	38,915	33,766	86.7	27,142	22,470	82.8	4,065	2,713	66.7	594	480	80.9
16 and 17 years.....	76,200	38,198	50.1	39,989	22,631	56.6	28,129	12,065	46.1	5,505	1,429	26.0	684	309	45.2
18 to 20 years.....	129,960	22,544	17.3	62,568	13,686	21.9	42,194	6,775	16.1	18,568	987	5.3	1,196	149	12.5
URBAN POPULATION.															
5 and 6 years.....	40,605	16,177	39.8	22,380	8,869	39.6	15,295	6,161	40.3	1,887	771	40.9	515	220	42.7
7 to 13 years.....	136,194	126,363	92.8	72,327	67,287	93.0	51,884	48,506	93.5	8,814	7,851	89.1	1,626	1,524	93.7
14 to 20 years.....	169,619	72,761	42.9	82,505	40,017	48.5	64,041	26,817	41.9	16,578	3,471	20.9	2,063	771	37.4
RURAL POPULATION.															
5 and 6 years.....	32,023	8,682	27.1	19,408	5,301	27.3	10,404	2,877	27.7	1,029	267	25.9	96	31	(1)
7 to 13 years.....	104,887	94,396	90.0	62,342	56,834	91.2	34,433	31,401	91.2	4,853	4,002	82.5	336	289	86.0
14 to 20 years.....	108,879	48,399	44.5	58,967	30,056	51.0	33,424	15,393	46.1	11,590	1,658	14.3	411	167	40.6



## COMPOSITION AND CHARACTERISTICS.

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TABLE 3.—AGE, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920 AND 1910.

[For statistics of age for Indian, Chinese, and Japanese population, see supplemental table.]

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.											
	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.									
THE STATE.																		
All ages: 1920.....	3,426,861	1,813,591	1,613,270	1,677,955	860,196	817,759	905,094	448,177	456,917	681,662	401,850	279,812	38,763	19,837	18,926			
Under 5 years.....	275,727	140,376	135,351	156,272	79,871	76,401	95,648	48,268	47,380	4,280	2,150	2,110	2,596	1,318	1,278			
Under 1 year.....	53,920	27,762	26,158	30,181	15,650	14,534	18,945	9,624	9,321	281	143	138	517	281	236			
5 to 9 years.....	280,279	141,417	138,862	157,811	79,631	78,180	98,151	49,394	48,757	12,419	6,255	6,164	2,776	1,338	1,438			
10 to 14 years.....	259,276	130,826	128,450	148,520	74,724	73,796	84,821	42,709	42,112	18,260	9,398	8,862	2,663	1,258	1,405			
15 to 19 years.....	243,326	124,564	118,762	135,974	69,725	66,249	72,905	36,246	36,659	25,489	13,155	12,334	2,562	1,223	1,339			
20 to 44 years.....	1,461,201	775,715	685,486	670,737	341,972	328,765	370,793	178,260	192,533	340,463	205,042	135,421	10,370	9,884	9,495			
45 years and over.....	897,633	494,111	403,522	402,967	210,193	192,774	181,813	92,779	89,034	278,649	164,317	114,332	8,622	4,726	3,896			
Age unknown.....	9,419	6,582	2,837	5,674	4,080	1,594	963	521	442	2,122	1,533	580	165	90	75			
18 to 44 years.....	1,564,963	829,998	734,965	728,160	372,296	355,870	400,081	193,093	207,588	352,692	211,517	141,175	20,492	10,421	10,071			
21 years and over.....	2,318,030	1,250,880	1,067,150	1,052,765	542,743	510,022	539,412	264,595	274,817	614,381	387,340	247,041	27,539	14,393	13,146			
Per cent: 1920.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	8.0	7.7	8.4	9.3	9.3	9.3	10.6	10.8	10.4	0.6	0.5	0.8	6.7	6.6	6.8			
Under 1 year.....	1.6	1.5	1.6	1.8	1.8	1.8	2.1	2.1	2.0	(1)	(1)	(1)	1.3	1.4	1.2			
5 to 9 years.....	8.2	7.8	8.6	9.4	9.3	9.6	10.8	11.0	10.7	1.8	1.6	2.2	7.2	6.7	7.6			
10 to 14 years.....	7.6	7.2	8.0	8.9	8.7	9.0	9.4	9.5	9.2	2.7	2.3	3.2	6.0	6.3	7.4			
15 to 19 years.....	7.1	6.9	7.4	8.1	8.1	8.1	8.1	8.1	8.0	3.7	3.3	4.4	6.0	6.2	7.1			
20 to 44 years.....	42.6	42.8	42.5	40.0	39.8	40.2	41.0	39.8	42.1	49.9	51.0	48.4	50.0	49.8	50.2			
45 years and over.....	26.2	27.2	25.0	24.0	24.4	23.6	20.1	20.7	19.5	40.9	40.9	40.9	22.2	23.8	20.6			
18 to 44 years.....	45.7	45.8	45.6	43.4	43.3	43.5	44.3	43.1	45.4	51.7	52.6	50.5	52.9	52.5	53.2			
21 years and over.....	67.6	69.0	66.1	62.7	63.1	62.4	59.6	59.0	60.1	90.1	91.4	88.3	71.0	72.6	69.5			
Per cent: 1910.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	8.1	7.4	9.0	10.2	9.8	10.6	11.2	11.2	11.1	0.6	0.5	0.8	7.0	6.5	7.6			
Under 1 year.....	1.7	1.6	1.9	2.1	2.0	2.2	2.4	2.4	2.3	0.1	(1)	0.1	1.4	1.3	1.4			
5 to 9 years.....	7.4	6.7	8.3	9.1	8.7	9.5	9.8	9.7	9.8	1.7	1.4	2.2	6.6	6.2	7.0			
10 to 14 years.....	7.3	6.6	8.2	8.7	8.3	9.1	10.0	9.9	10.0	1.9	1.6	2.6	6.8	6.1	7.5			
15 to 19 years.....	8.2	7.7	8.9	9.1	8.6	9.6	11.0	10.8	11.2	3.5	3.5	3.6	8.1	7.5	8.7			
20 to 44 years.....	45.5	46.9	43.7	41.1	42.0	40.2	44.3	43.6	44.9	54.1	56.2	50.6	51.4	51.4	49.6			
45 years and over.....	23.1	24.1	21.8	21.5	22.2	20.8	13.7	14.6	12.8	37.8	36.5	40.1	20.5	21.9	19.1			
18 to 44 years.....	49.0	50.3	47.4	44.8	45.5	44.1	48.7	48.0	49.5	56.1	58.3	54.4	54.2	54.8	53.5			
21 years and over.....	67.0	69.6	63.4	61.1	62.8	59.1	55.9	56.2	55.6	90.7	91.4	89.6	69.7	72.0	67.1			
URBAN POPULATION.																		
All ages: 1920.....	2,331,729	1,190,872	1,140,857	1,122,925	557,353	565,572	643,066	308,870	334,196	472,576	265,916	206,640	33,888	16,982	16,906			
Under 5 years.....	169,129	85,910	83,219	96,286	49,005	47,281	60,564	30,536	30,028	2,773	1,406	1,367	2,203	1,115	1,098			
Under 1 year.....	33,320	17,163	16,157	18,954	9,808	9,146	12,029	6,142	5,887	168	77	91	445	239	206			
5 to 9 years.....	174,684	87,608	87,076	97,253	48,702	48,551	62,980	31,578	31,402	8,187	4,098	4,089	2,361	1,145	1,216			
10 to 14 years.....	164,768	81,726	83,042	92,344	45,617	46,727	55,852	27,738	28,114	12,129	6,098	6,031	2,221	1,016	1,205			
15 to 19 years.....	163,567	81,344	82,223	90,243	45,104	46,139	50,156	24,198	25,958	17,571	8,739	8,832	2,171	1,000	1,171			
20 to 44 years.....	1,030,911	527,301	503,610	470,387	232,937	237,430	278,719	129,850	148,899	234,457	134,848	99,609	17,299	8,665	8,634			
45 years and over.....	621,281	321,754	299,527	271,833	132,638	139,195	134,004	64,548	69,456	195,816	109,528	86,285	7,486	3,960	3,526			
Age unknown.....	7,889	5,229	2,160	4,599	3,350	1,249	791	422	360	1,643	1,190	444	147	81	66			
Per cent: 1920.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	7.3	7.2	7.3	8.6	8.8	8.4	9.4	9.9	9.0	0.6	0.5	0.7	6.5	6.0	6.4			
Under 1 year.....	1.4	1.3	1.4	1.6	1.5	1.6	2.1	2.6	2.3	0.1	0.1	0.1	1.0	0.9	1.0			
5 to 9 years.....	7.5	7.4	7.6	8.7	8.7	8.6	9.8	10.2	9.4	1.7	1.5	2.0	7.0	6.7	7.2			
10 to 14 years.....	7.1	6.9	7.3	8.2	8.2	8.3	8.7	9.0	8.4	2.6	2.3	2.9	6.6	6.0	7.1			
15 to 19 years.....	7.0	6.8	7.2	8.0	8.1	8.0	7.8	7.8	7.8	3.7	3.3	4.3	6.4	5.9	6.9			
20 to 44 years.....	44.2	44.3	44.1	41.9	41.8	42.0	43.3	42.0	44.5	49.6	50.7	48.2	51.0	51.0	51.1			
45 years and over.....	26.6	27.0	26.3	24.2	23.8	24.6	20.8	20.9	20.8	41.4	41.2	41.8	22.1	23.3	20.9			
Per cent: 1910.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	7.5	7.2	7.9	9.5	9.4	9.5	10.2	10.6	9.9	0.6	0.5	0.7	7.1	6.9	7.4			
Under 1 year.....	6.7	6.3	7.1	8.2	8.1	8.4	8.7	9.0	8.5	1.7	1.5	2.0	6.5	6.3	6.7			
5 to 9 years.....	6.8	6.3	7.3	8.0	7.7	8.2	9.2	9.3	9.0	1.9	1.6	2.4	6.5	5.9	7.2			
10 to 14 years.....	8.1	7.6	8.7	9.0	8.5	9.5	10.9	10.8	11.0	3.3	3.0	3.6	7.9	7.0	8.7			
15 to 19 years.....	47.5	48.7	46.2	43.7	44.7	42.6	47.3	46.3	48.1	53.9	50.0	51.0	51.6	52.4	50.8			
45 years and over.....	22.9	23.3	22.6	21.3	21.0	21.7	13.7	14.0	13.4	38.1	36.8	40.1	19.8	21.0	18.6			
RURAL POPULATION.																		
All ages: 1920.....	1,095,132	622,719	472,413	555,030	302,843	252,187	262,028	139,307	122,721	209,086	135,934	73,152	4,875	2,855	2,020			
Under 5 years.....	106,598	54,466	52,132	59,986	30,866	29,120	35,084	17,732	17,352	1,457	744	743	393	203	190			
Under 1 year.....	20,600	10,599	10,001	11,230	5,842	5,388	6,916	3,482	3,434	113	66	47	72	42	30			
5 to 9 years.....	105,595	53,809	51,786	60,558	30,929	29,629	35,171	17,816	17,355	4,232	2,157	2,075	415	193	222			
10 to 14 years.....	94,508	49,100	45,408	55,176	29,107	27,069	28,960	14,971	13,998	6,131	3,300	2,831	442	242	209			
15 to 19 years.....	79,759	43,220	36,539	45,731	24,621	21,110	22,749	12,048	10,701	7,918	4,416	3,502	391	223	198			
20 to 44 years.....	430,290	248,414	181,876	200,370	109,035	91,335	92,074	48,410	43,664	106,006	70,194	35,812	2,080	1,219	861			
45 years and over.....	276,352	172,357	108,995	131,134	77,555	53,579	47,809	23,231	19,578	82,833	54,789	28,044	1,136	766	570			
Age unknown.....	2,030	1,353	677	1,075	730	345	172	99	73	479	334	145	18	9	9			
Per cent: 1920.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	9.7	8.7	11.0	10.8	10.2	11.5	13.4	12.7	14.1	0.7	0.5	1.0	8.1	7.1	9.4			
Under 1 year.....	1.8	1.7	2.1	2.0	1.0													



## POPULATION—CALIFORNIA.

TABLE 4.—ILLITERACY, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920 AND 1910.

[For statistics of illiteracy for Indian, Chinese, and Japanese population, see supplemental table.]

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.											
	Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.				
		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.	Num-ber.	Per cent.	
THE STATE: 1920																		
10 years and over.....	2,870,855	95,592	3.3	1,363,872	5,359	0.4	711,295	3,388	0.5	604,983	69,768	10.5	33,391	1,579	4.7			
Male.....	1,531,798	53,780	3.5	700,634	2,819	0.4	350,515	1,724	0.5	393,445	38,989	9.9	17,181	604	3.9			
Female.....	1,339,057	41,812	3.1	663,178	2,540	0.4	360,780	1,664	0.5	271,538	30,779	11.3	16,210	915	5.6			
10 to 15 years.....	304,320	1,846	0.6	174,320	340	0.2	98,878	306	0.3	22,018	956	4.3	3,154	20	0.6			
Male.....	153,301	931	0.6	87,574	176	0.2	49,641	155	0.3	11,281	448	4.0	1,487	14	0.9			
Female.....	151,019	915	0.6	86,746	164	0.2	49,237	151	0.3	10,737	508	4.7	1,667	6	0.4			
16 to 20 years.....	248,505	4,188	1.7	136,787	366	0.3	73,065	321	0.4	28,584	2,901	10.1	2,698	26	1.0			
Male.....	127,617	2,240	1.8	70,377	204	0.3	36,279	173	0.5	14,824	1,515	10.2	1,301	24	1.8			
Female.....	120,888	1,948	1.6	66,410	162	0.2	36,726	148	0.4	13,760	1,386	10.1	1,397	2	0.1			
21 years and over.....	2,318,030	89,558	3.9	1,052,765	4,653	0.4	539,412	2,761	0.5	614,381	65,911	10.7	27,539	1,533	5.6			
Male.....	1,250,880	50,609	4.0	542,743	2,439	0.4	294,395	1,396	0.5	367,340	37,026	10.1	14,393	626	4.3			
Female.....	1,067,150	38,949	3.6	510,022	2,214	0.4	274,817	1,365	0.5	247,041	28,885	11.7	13,146	907	6.9			
URBAN POPULATION.																		
10 years and over.....	1,987,916	47,742	2.4	929,386	2,225	0.2	519,522	1,663	0.3	461,616	37,040	8.0	29,324	1,228	4.2			
Male.....	1,017,354	24,310	2.4	459,646	1,098	0.2	246,756	761	0.3	200,412	18,339	7.0	14,722	465	3.2			
Female.....	970,562	23,432	2.4	469,740	1,129	0.2	272,766	902	0.3	201,204	18,701	9.3	14,602	763	5.2			
10 to 15 years.....	193,652	691	0.4	108,602	149	0.1	65,051	134	0.2	14,705	362	2.5	2,624	6	0.2			
16 to 20 years.....	160,601	1,795	1.1	92,410	135	0.1	51,207	160	0.3	19,608	1,284	6.5	2,315	16	0.7			
21 years and over.....	1,624,663	45,256	2.8	728,374	1,941	0.3	403,264	1,369	0.3	427,303	35,394	8.3	24,385	1,206	4.9			
RURAL POPULATION.																		
10 years and over.....	882,939	47,850	5.4	434,486	3,134	0.7	191,773	1,725	0.9	203,367	32,728	16.1	4,067	351	8.6			
Male.....	514,444	29,470	5.7	241,048	1,723	0.7	103,759	963	0.9	133,033	20,650	15.5	2,459	199	8.1			
Female.....	368,495	18,380	5.0	193,438	1,411	0.7	88,014	762	0.9	70,334	12,078	17.2	1,608	152	9.5			
10 to 15 years.....	110,668	1,155	1.0	65,718	191	0.3	33,827	172	0.5	7,313	594	8.1	530	14	2.6			
16 to 20 years.....	78,904	2,393	3.0	44,377	231	0.5	21,798	161	0.7	8,976	1,617	18.0	383	10	2.6			
21 years and over.....	693,367	44,802	6.4	324,391	2,712	0.8	136,148	1,392	1.0	157,078	30,517	16.3	3,154	327	10.4			
THE STATE: 1910																		
10 years and over.....	2,007,698	74,902	3.7	893,450	4,323	0.5	502,696	3,186	0.6	505,312	50,292	10.0	18,699	1,329	7.1			
Male.....	1,135,489	47,574	4.2	477,497	2,264	0.5	254,005	1,635	0.6	319,254	32,137	10.1	9,873	601	6.1			
Female.....	872,209	27,328	3.1	415,953	2,059	0.5	248,091	1,551	0.6	186,058	18,155	9.8	8,826	728	8.2			
10 to 15 years.....	209,755	1,413	0.7	115,110	209	0.2	76,879	258	0.3	12,004	521	4.3	1,740	14	0.8			
Male.....	106,001	765	0.7	57,958	118	0.2	38,700	141	0.4	6,089	259	4.7	826	5	0.6			
Female.....	103,754	648	0.6	57,152	91	0.2	38,179	117	0.3	5,915	232	3.9	914	9	1.0			
16 to 20 years.....	206,160	5,614	2.7	102,557	307	0.3	70,323	487	0.7	24,073	3,584	16.1	1,380	53	2.8			
Male.....	109,091	4,022	3.7	51,756	185	0.4	34,846	280	0.8	15,000	2,927	18.5	904	40	4.4			
Female.....	97,069	1,592	1.6	50,801	122	0.2	35,477	207	0.6	8,273	957	11.6	976	13	1.3			
21 years and over.....	1,591,783	67,875	4.3	675,783	3,807	0.6	355,494	2,441	0.7	460,235	45,887	9.8	15,079	1,262	8.4			
Male.....	920,397	42,787	4.6	367,783	1,961	0.5	181,059	1,214	0.7	297,365	28,921	9.7	8,143	556	6.8			
Female.....	671,386	25,088	3.7	308,000	1,846	0.6	174,435	1,227	0.7	171,870	16,966	9.9	6,936	706	10.2			
URBAN POPULATION.																		
10 years and over.....	1,261,653	30,813	2.4	537,396	1,726	0.3	342,551	1,326	0.4	324,181	23,178	7.1	15,888	936	5.9			
Male.....	676,058	16,705	2.5	274,854	765	0.3	165,941	611	0.4	191,300	12,391	6.5	8,059	339	4.2			
Female.....	584,995	14,108	2.4	262,542	961	0.4	176,610	715	0.4	132,881	10,787	8.1	7,829	597	7.0			
10 to 15 years.....	120,724	461	0.4	62,670	64	0.1	47,187	97	0.2	7,755	228	2.9	1,423	10	0.7			
16 to 20 years.....	127,142	2,126	1.7	60,965	100	0.2	47,037	205	0.4	13,964	1,572	11.3	1,582	20	1.3			
21 years and over.....	1,013,187	28,223	2.8	413,761	1,562	0.4	248,327	1,024	0.4	302,462	21,378	7.1	12,883	906	7.0			
RURAL POPULATION.																		
10 years and over.....	746,645	44,089	5.9	356,054	2,597	0.7	160,145	1,860	1.2	181,131	27,114	15.0	2,811	303	14.0			
Male.....	459,431	30,809	6.7	202,643	1,499	0.7	88,604	1,024	1.2	127,954	19,746	15.4	1,814	262	14.4			
Female.....	287,214	13,220	4.6	153,411	1,098	0.7	71,481	836	1.2	53,177	7,368	13.9	997	131	13.1			
10 to 15 years.....	89,031	949	1.1	52,440	145	0.3	29,692	161	0.5	4,249	293	6.9	317	4	1.3			
16 to 20 years.....	79,018	3,488	4.4	41,592	207	0.5	23,296	282	1.2	10,109	2,312	22.9	298	33	11.1			
21 years and over.....	578,600	39,652	6.9	262,023	2,245	0.9	107,167	1,417	1.3	166,773	24,509	14.7	2,196	356	16.2			



TABLE 5.—POPULATION 21 YEARS OF AGE AND OVER, BY SEX, CLASS OF POPULATION, AND CITIZENSHIP, FOR THE STATE: 1920 AND 1910.

CLASS OF POPULATION AND CITIZENSHIP.	POPULATION 21 YEARS OF AGE AND OVER.			PER CENT DISTRIBUTION.			CLASS OF POPULATION AND CITIZENSHIP.	POPULATION 21 YEARS OF AGE AND OVER.			PER CENT DISTRIBUTION.		
	Male.		Female: 1920	Male.		Fe- male: 1920		Male.		Female: 1920	Male.		Fe- male: 1920
	1920	1910		1920	1910			1920	1910				
Total.....	1,250,880	920,397	1,067,150	100.0	100.0	100.0	Native white.....	807,338	548,842	784,839	64.5	59.6	73.5
White.....	1,174,678	846,207	1,031,880	93.9	91.9	96.7	Native parentage....	542,743	367,783	510,022	43.4	40.0	47.8
Negro.....	14,393	8,143	13,146	1.2	0.9	1.2	Foreign parentage...	169,084	121,043	172,818	13.6	13.2	16.2
Indian.....	4,971	4,501	4,287	0.4	0.5	0.4	Mixed parentage....	94,911	60,016	101,999	7.6	6.5	9.6
Chinese.....	20,437	28,661	2,201	1.6	3.1	0.2	Foreign-born white....	367,340	297,365	247,041	29.4	32.3	23.1
Japanese.....	32,157	30,942	15,409	2.6	3.4	1.4	Naturalized.....	160,299	137,274	127,176	13.3	14.9	11.9
All other.....	4,244	1,943	227	0.3	0.2	(1)	Having first papers..	42,862	27,708	3,633	3.4	3.0	0.3
							Alien.....	134,007	90,940	97,664	10.7	10.9	9.2
							Unknown.....	24,172	32,443	18,568	1.9	3.5	1.7

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 6.—COUNTRY OF BIRTH OF THE FOREIGN-BORN WHITE, FOR THE STATE AND PRINCIPAL CITIES: 1920.

COUNTRY OF BIRTH.	THE STATE.		LOS ANGELES.		SAN FRANCISCO.		COUNTRY OF BIRTH.	THE STATE.		LOS ANGELES.		SAN FRANCISCO.	
	Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.		Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.
<b>All countries</b> .....	<b>681,662</b>	<b>100.0</b>	<b>112,057</b>	<b>100.0</b>	<b>140,200</b>	<b>100.0</b>	Italy.....	88,502	13.0	7,930	7.1	23,924	17.1
Armenia.....	5,687	0.8	452	0.4	234	0.2	Jugo-Slavia.....	7,277	1.1	1,453	1.3	1,320	0.9
Atlantic Islands <sup>1</sup> .....	8,892	1.3	38	(2)	178	0.1	Mexico.....	86,610	12.7	21,598	19.3	3,793	2.7
Australia.....	4,013	0.6	400	0.4	1,633	1.2	Netherlands.....	4,592	0.7	797	0.7	788	0.6
Austria.....	13,264	1.9	2,089	1.9	3,694	2.6	Norway.....	11,460	1.7	1,669	1.5	3,121	2.2
Belgium.....	2,202	0.3	405	0.4	548	0.4	Pacific Islands.....	1,656	0.2	209	0.2	549	0.4
Canada—French.....	2,306	0.3	554	0.5	346	0.2	Poland.....	7,082	1.0	2,205	2.0	2,152	1.5
Canada—Other.....	57,256	8.4	13,187	11.8	6,737	4.8	Portugal.....	24,517	3.6	144	0.1	816	0.6
Central America.....	1,495	0.2	103	0.1	944	0.7	Rumania.....	2,403	0.4	927	0.8	765	0.5
Czechoslovakia.....	3,377	0.5	824	0.7	757	0.5	Russia.....	27,224	4.0	9,691	8.6	5,752	4.1
Denmark.....	18,721	2.7	2,003	1.8	3,389	2.4	Scotland.....	16,597	2.4	2,802	2.5	3,569	2.5
England.....	58,572	8.6	11,478	10.2	10,107	7.2	South America.....	2,391	0.4	273	0.2	871	0.6
Finland.....	7,053	1.0	530	0.5	1,810	1.3	Spain.....	11,123	1.6	810	0.7	2,500	1.8
France.....	20,387	3.0	2,681	2.4	6,908	4.9	Sweden.....	31,925	4.7	4,998	4.5	6,468	4.6
Germany.....	67,180	9.9	10,503	9.4	18,513	13.2	Switzerland.....	16,097	2.4	1,303	1.2	2,806	2.0
Greece.....	10,313	1.5	1,036	0.9	3,204	2.3	Syria.....	1,259	0.2	340	0.3	216	0.2
Hungary.....	5,252	0.8	1,706	1.5	1,390	1.0	Wales.....	3,433	0.5	657	0.6	445	0.3
Ireland.....	45,308	6.6	4,932	4.4	18,257	13.0	All other countries.....	6,236	0.9	1,264	1.1	1,666	1.2

<sup>1</sup> Includes persons born in the Azores, as follows: The state, 8,508; Los Angeles, 18; San Francisco, 132.<sup>2</sup> Less than one-tenth of 1 per cent.

TABLE 7.—INDIANS, CHINESE, AND JAPANESE, FOR COUNTIES AND FOR CITIES OF 25,000 OR MORE: 1920, 1910, AND 1900.

COUNTY OR CITY.	INDIAN.			CHINESE.			JAPANESE.			COUNTY OR CITY.	INDIAN.			CHINESE.			JAPANESE.		
	1920	1910	1900	1920	1910	1900	1920	1910	1900		1920	1910	1900	1920	1910	1900	1920	1910	1900
<b>COUNTIES.</b>										<b>COUNTIES—CON.</b>									
<b>The state</b> .....	<b>17,360</b>	<b>10,371</b>	<b>15,377</b>	<b>28,812</b>	<b>36,248</b>	<b>45,753</b>	<b>71,952</b>	<b>41,356</b>	<b>10,151</b>	Mariposa.....	94	102	173	18	69	102	.....	3	.....
Alameda.....	56	41	71	4,505	4,588	2,211	5,221	3,266	1,149	Mendocino.....	1,056	1,170	1,353	176	263	218	56	77	23
Alpine.....	102	94	142	.....	1	5	.....	1	.....	Merced.....	7	.....	4	135	278	357	420	98	43
Amador.....	83	143	130	38	101	153	17	2	.....	Modoc.....	475	546	503	9	11	6	.....	1	.....
Butte.....	225	298	201	289	572	712	423	295	305	Mono.....	252	386	380	5	21	120	2	14	1
Calaveras.....	65	161	100	23	49	148	.....	3	4	Monterey.....	7	29	26	748	575	857	1,614	1,121	710
Colusa.....	112	109	121	107	218	274	275	140	53	Napa.....	2	6	18	126	205	541	79	103	6
Contra Costa.....	137	3	8	343	550	627	846	1,009	276	Nevada.....	40	52	48	120	309	632	16	22	15
Del Norte.....	524	337	269	.....	1	.....	.....	.....	.....	Orange.....	900	21	.....	26	83	136	1,491	641	3
Eldorado.....	115	177	138	21	58	206	47	31	30	Placer.....	115	102	74	419	612	1,050	1,474	862	133
Fresno.....	380	313	520	998	1,377	1,775	5,732	2,233	598	Plumas.....	332	380	444	75	105	192	22	20	.....
Glenn.....	24	32	24	130	129	227	122	33	14	Riverside.....	1,958	1,500	899	103	187	816	626	765	97
Humboldt.....	1,829	1,652	1,728	15	6	5	.....	6	.....	Sacramento.....	53	62	24	1,954	2,143	3,254	5,800	3,874	1,209
Imperial.....	1,185	682	.....	88	32	.....	1,086	217	.....	San Benito.....	.....	36	104	66	69	427	286	15	.....
Inyo.....	632	792	940	43	100	67	82	41	.....	San Bernardino.....	1,020	573	572	107	284	388	533	946	148
Kern.....	208	220	344	557	841	906	338	273	48	San Diego.....	1,352	1,516	2,197	307	430	414	1,431	520	25
Kings.....	63	32	51	451	358	417	594	293	156	San Francisco.....	45	40	15	7,744	10,582	13,954	5,358	4,518	1,781
Lake.....	294	433	428	6	24	82	.....	3	3	San Joaquin.....	9	8	1	1,819	1,968	1,875	4,354	1,804	313
Lassen.....	331	410	381	71	13	28	9	6	2	San Luis Obispo.....	13	14	1	77	154	501	434	16	.....
Los Angeles.....	281	97	69	2,591	2,602	3,209	19,911	8,461	204	San Mateo.....	3	1	1	342	309	306	663	358	46
Madera.....	392	419	401	73	211	229	136	32	19	Santa Barbara.....	50	45	72	341	440	459	930	863	114
Marin.....	34	26	25	252	555	489	140	109	52	Santa Clara.....	4	16	9	839	1,064	1,738	2,981	2,299	284
										Santa Cruz.....	45	15	67	215	194	614	1,019	680	235
										Shasta.....	610	756	862	25	88	102	3	42	20



TABLE 7.—INDIANS, CHINESE, AND JAPANESE, FOR COUNTIES AND FOR CITIES OF 25,000 OR MORE: 1920, 1910, AND 1900—Continued.

COUNTY OR CITY.	INDIAN.			CHINESE.			JAPANESE.			COUNTY OR CITY.	INDIAN.			CHINESE.			JAPANESE.		
	1920	1910	1900	1920	1910	1900	1920	1910	1900		1920	1910	1900	1920	1910	1900	1920	1910	1900
COUNTIES—con.										CITIES.									
Sierra.....	65	54	31	33	117	309	3	17	1	Alameda.....	2	5	94	217	255	644	499	110	
Siskiyou.....	624	1,109	480	126	226	700	14	24	8	Berkeley.....	12	2	9	337	451	911	710	17	
Solano.....	7	1	2	689	811	903	1,017	894	870	Fresno.....	3	5	3	617	975	1,119	629	175	
Sonoma.....	357	340	316	183	287	509	506	551	148	Long Beach.....	2	1	(1)	34	26	375	127	(1)	
Stanislaus.....	41	30	25	87	161	236	478	113	5	Los Angeles.....	189	81	5	2,062	1,954	11,618	4,238	150	
Sutter.....	12	18	20	42	79	226	373	134	155	Oakland.....	30	20	2	3,821	3,609	2,709	1,520	194	
Tehama.....	125	94	99	161	309	729	95	98	143	Pasadena.....	1	2	1	100	102	383	253	17	
Trinity.....	99	227	234	51	163	336	1,602	615	48	Sacramento.....	18	6	3	831	1,054	1,976	1,437	336	
Tulare.....	216	204	175	231	257	370	3	6	2	San Diego.....	54	8	4	254	348	772	159	14	
Tuolumne.....	73	186	149	45	75	158	3	6	2	San Francisco.....	45	46	15	7,744	10,582	5,358	4,518	1,781	
Ventura.....	10	3	5	155	235	408	675	872	94	San Jose.....	4	5	5	341	359	321	345	44	
Yolo.....	42	32	28	175	198	346	1,152	789	410	Stockton.....	5	1	1	1,071	698	840	475	39	
Yuba.....	46	16	24	359	493	719	355	336	56										

1 Figures not available.

TABLE 8.—AGE, FOR CITIES OF 10,000 OR MORE: 1920.

AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Alameda.....	14,055	14,751	10,401	11,561	3,110	2,787	103	114	Glendale.....	6,354	7,182	5,456	6,314	782	779	9	13
Under 5 years.....	1,226	1,208	1,135	1,114	10	12	13	12	Under 5 years.....	502	459	475	438	2	6		
Under 1 year.....	232	223	213	213					Under 1 year.....	85	70	81	65				
5 to 9 years.....	1,197	1,162	1,106	1,073	30	35	12	11	5 to 9 years.....	523	520	515	500	11	12		
10 to 14 years.....	1,192	1,140	1,094	1,065	64	54	13	14	10 to 14 years.....	523	506	501	475	19	27	2	
15 to 19 years.....	966	1,027	853	925	82	80	3	8	15 to 19 years.....	436	468	408	442	25	25		
20 to 44 years.....	5,850	6,274	4,204	4,845	1,423	1,230	37	51	20 to 44 years.....	2,417	2,943	2,055	2,559	310	330	3	6
45 years and over.....	3,614	3,926	2,002	2,534	1,490	1,356	25	18	45 years and over.....	1,942	2,283	1,500	1,897	415	379	4	7
Age unknown.....	10	5	7	5	2				Age unknown.....	2	3	2					
18 to 44 years.....	6,242	6,663	4,546	5,196	1,458	1,260	38	53	18 to 44 years.....	2,594	3,123	2,218	2,726	322	342	3	6
21 years and over.....	9,286	9,997	6,052	7,202	2,894	2,568	61	66	21 years and over.....	4,287	5,146	3,490	4,386	720	702	7	13
Bakersfield.....	9,958	8,680	7,819	7,419	1,505	986	221	148	Long Beach.....	26,153	29,440	22,414	25,827	3,413	3,386	63	79
Under 5 years.....	817	850	761	802	9	10	14	9	Under 5 years.....	1,632	1,619	1,563	1,524	34	46	2	3
Under 1 year.....	154	168	145	160					Under 1 year.....	300	279	294	265				
5 to 9 years.....	847	813	789	745	28	32	10	13	5 to 9 years.....	1,739	1,785	1,662	1,698	65	73	1	8
10 to 14 years.....	694	760	625	682	44	61	11	17	10 to 14 years.....	1,855	1,884	1,755	1,770	95	105	1	5
15 to 19 years.....	646	692	554	626	61	49	13	10	15 to 19 years.....	1,732	1,910	1,610	1,807	105	96	5	3
20 to 44 years.....	4,587	4,045	3,530	3,355	824	578	114	69	20 to 44 years.....	9,399	11,226	8,069	9,869	1,137	1,232	33	40
45 years and over.....	2,344	1,513	1,542	1,205	533	265	69	29	45 years and over.....	9,768	10,902	7,737	9,139	1,971	1,830	21	20
Age unknown.....	24	7	18	4	6	1			Age unknown.....	28	24	18	20	6	4		
18 to 44 years.....	4,880	4,323	3,765	3,607	853	508	117	74	18 to 44 years.....	10,145	12,018	8,749	10,616	1,197	1,275	34	40
21 years and over.....	6,823	5,418	4,983	4,441	1,348	825	170	94	21 years and over.....	18,822	21,818	15,481	18,642	3,085	3,032	53	60
Berkeley.....	26,332	29,804	20,293	24,330	4,831	4,742	234	273	Los Angeles.....	285,175	291,498	208,043	226,764	60,188	51,869	7,389	8,190
Under 5 years.....	2,092	1,964	1,960	1,870	20	12	24	15	Under 5 years.....	19,323	18,805	17,195	16,817	450	448	505	483
Under 1 year.....	435	384	413	371	1	1	4		Under 1 year.....	3,876	3,673	3,445	3,270	27	33	106	89
5 to 9 years.....	2,177	2,135	2,052	2,030	50	48	19	18	5 to 9 years.....	19,965	19,086	17,674	17,603	1,247	1,228	528	539
10 to 14 years.....	2,153	2,221	2,011	2,070	98	96	20	20	10 to 14 years.....	18,432	19,124	15,966	16,467	1,755	1,690	476	612
15 to 19 years.....	2,071	2,336	1,840	2,125	146	169	11	16	15 to 19 years.....	17,933	19,092	14,540	16,251	2,512	2,670	477	605
20 to 44 years.....	111,012	12,761	8,209	10,215	2,214	2,135	108	148	20 to 44 years.....	129,776	132,421	89,937	99,946	30,646	25,492	3,735	4,292
45 years and over.....	6,694	8,357	4,202	6,000	2,283	2,274	51	55	45 years and over.....	78,855	81,268	52,178	50,213	23,309	20,251	1,637	1,623
Age unknown.....	32	30	19	20	11	8	1	1	Age unknown.....	891	502	553	367	269	90	31	36
18 to 44 years.....	11,898	13,744	8,956	11,107	2,278	2,206	112	155	18 to 44 years.....	137,583	141,205	96,128	107,068	31,848	26,806	3,933	4,554
21 years and over.....	17,297	20,603	12,050	15,750	4,465	4,371	157	196	21 years and over.....	205,575	209,660	139,584	155,963	53,026	45,084	5,285	5,828
Eureka.....	6,767	6,156	4,817	4,887	1,902	1,220	19	12	Oakland.....	111,954	104,307	78,430	80,412	25,492	19,670	3,029	2,460
Under 5 years.....	483	517	472	507	3	3	3	3	Under 5 years.....	8,265	8,142	7,712	7,648	69	59	142	154
Under 1 year.....	86	104	83	103					Under 1 year.....	1,070	1,577	1,570	1,485	4	3	25	32
5 to 9 years.....	529	515	513	498	8	15	4		5 to 9 years.....	8,478	8,525	7,830	7,898	228	231	163	183
10 to 14 years.....	500	642	474	522	22	17		2	10 to 14 years.....	7,807	7,827	7,095	7,114	443	432	133	148
15 to 19 years.....	459	484	429	452	29	24			15 to 19 years.....	7,182	7,862	6,143	6,885	609	713	153	146
20 to 44 years.....	2,788	2,565	1,853	1,995	917	579	9	7	20 to 44 years.....	51,182	40,764	34,331	35,387	13,033	9,178	1,849	1,326
45 years and over.....	1,968	1,516	1,043	930	916	578	3		45 years and over.....	28,828	25,244	15,186	15,589	10,975	9,011	588	497
Age unknown.....	40	17	33	13	7	4			Age unknown.....	212	143	133	91	75	46	1	6
18 to 44 years.....	2,965	2,772	2,015	2,155	932	593	9	7	18 to 44 years.....	54,261	50,079	36,917	38,281	13,333	9,494	1,935	1,382
21 years and over.....	4,712	3,995	2,856	2,817	1,829	1,151	12	7	21 years and over.....	78,732	70,477	48,442	49,663	23,907	18,406	2,387	1,788
Fresno.....	23,629	21,457	17,311	16,957	4,865	3,686	242	266	Pasadena.....	19,861	25,493	16,106	20,871	2,911	3,874	485	609
Under 5 years.....	2,025	1,885	1,873	1,745	22	22	18	29	Under 5 years.....	1,441	1,301	1,353	1,198	14	25	42	39
Under 1 year.....	432	333	400	309					Under 1 year.....	288	265	269	247		2	7	7
5 to 9 years.....	1,934	1,951	1,735	1,773	100	89	15	23	5 to 9 years.....	1,504	1,515	1,377	1,415	67	57	50	37
10 to 14 years.....	1,726	1,807	1,487	1,582	185	154	14	26	10 to 14 years.....	1,528	1,493	1,398	1,367	88	75	38	50
15 to 19 years.....	1,721	1,885	1,359	1,571	240	259	17	20	15 to 19 years.....	1,354	1,498	1,219	1,358	83	98	34	34
20 to 44 years.....	10,866	9,808	7,546	7,443	2,640	1,971	113	115	20 to 44 years.....	7,120	9,785	5,579	7,780	1,165	1,667	171	260
45 years and over.....	5,324	4,097	3,295	2,825	1,665	1,186	64	53	45 years and over.....	6,883	9,853	5,153	7,714	1,491	1,947	149	185
Age unknown.....	32	24	16	18	14	5	1		Age unknown.....	31	48	27	39	1	5	1	4
18 to 44 years.....	11,827	10,674	8,053	8,152	2,746	2,097	117	127	18 to 44 years.....	7,645	10,415	6,051	8,348	1,194	1,708	183	276
21 years and over.....	15,910	13,497	10,620	9,939	4,267	3,095	174	162	21 years and over.....	13,774	19,374	10,535	15,263	2,636	3,594	315	436



## COMPOSITION AND CHARACTERISTICS.

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TABLE 8.—AGE, FOR CITIES OF 10,000 OR MORE: 1920—Continued.

AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.	
	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.		Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
Pomona.....	6,471	7,034	5,649	6,243	787	752	17	29	San Jose—Con.								
Under 5 years.....	541	499	517	470	22	22	.....	3	20 to 44 years.....	7,270	7,907	5,165	6,267	1,890	1,528	19	36
Under 1 year.....	101	92	101	91	.....	.....	.....	.....	45 years and over.....	5,634	5,714	3,330	3,941	2,086	1,724	32	31
5 to 9 years.....	563	556	515	509	44	41	1	4	Age unknown.....	193	84	150	66	38	14	4	2
10 to 14 years.....	592	608	552	558	36	46	3	4	18 to 44 years.....	7,796	8,668	5,029	6,952	1,943	1,593	19	42
15 to 19 years.....	554	570	506	530	43	34	5	5	21 years and over.....	12,828	13,378	8,422	9,989	3,973	3,226	54	68
20 to 44 years.....	2,146	2,494	1,836	2,184	296	297	5	10	Santa Ana.....	7,385	8,100	6,314	7,178	994	850	11	11
45 years and over.....	2,064	2,297	1,714	1,932	345	312	3	3	Under 5 years.....	601	551	581	529	7	9	.....	.....
Age unknown.....	11	10	9	10	1	.....	.....	.....	Under 1 year.....	95	96	92	93	.....	.....	.....	.....
18 to 44 years.....	2,354	2,738	2,026	2,407	313	314	6	13	5 to 9 years.....	626	651	577	598	37	38	.....	.....
21 years and over.....	4,111	4,692	3,457	4,070	635	597	7	13	10 to 14 years.....	607	677	564	619	41	52	.....	.....
Richmond.....	9,378	7,465	6,941	6,085	2,277	1,325	17	16	15 to 19 years.....	579	655	515	597	57	55	1	.....
Under 5 years.....	805	785	784	772	5	5	1	.....	20 to 44 years.....	2,682	3,080	2,241	2,761	410	289	7	2
Under 1 year.....	162	143	159	141	.....	.....	.....	.....	45 years and over.....	2,277	2,474	1,826	2,064	440	406	3	2
5 to 9 years.....	762	785	729	755	20	26	2	1	Age unknown.....	13	12	10	10	2	1	.....	.....
10 to 14 years.....	623	689	581	652	40	31	.....	3	18 to 44 years.....	2,913	3,350	2,440	3,001	440	317	7	2
15 to 19 years.....	562	533	516	485	41	45	.....	.....	21 years and over.....	4,860	5,441	3,983	4,725	835	681	10	5
20 to 44 years.....	4,729	3,368	3,178	2,538	1,479	800	7	10	Santa Barbara.....	9,312	10,129	6,935	8,057	1,990	1,874	80	106
45 years and over.....	1,895	1,304	1,152	882	691	418	7	2	Under 5 years.....	833	771	779	732	18	12	13	5
Age unknown.....	2	1	1	1	.....	.....	.....	.....	Under 1 year.....	169	183	155	128	.....	.....	.....	.....
18 to 44 years.....	4,967	3,589	3,389	2,734	1,502	825	7	10	5 to 9 years.....	759	796	694	722	41	55	6	11
21 years and over.....	6,511	4,550	4,230	3,316	2,157	1,202	14	11	10 to 14 years.....	676	724	615	647	56	67	2	4
Riverside.....	9,390	9,951	6,909	7,724	1,495	1,315	220	285	15 to 19 years.....	627	676	540	611	68	61	3	3
Under 5 years.....	751	744	639	636	30	23	21	30	20 to 44 years.....	3,747	4,258	2,552	3,172	1,031	972	38	66
Under 1 year.....	139	146	121	121	2	1	3	8	45 years and over.....	2,663	2,897	1,751	2,169	774	704	20	17
5 to 9 years.....	851	840	705	694	65	54	31	40	Age unknown.....	7	7	4	4	2	3	.....	.....
10 to 14 years.....	836	890	615	690	68	70	27	29	18 to 44 years.....	3,983	4,571	2,743	3,446	1,067	1,007	39	69
15 to 19 years.....	816	975	576	631	53	77	17	36	21 years and over.....	6,290	7,020	4,202	5,222	1,790	1,663	56	81
20 to 44 years.....	3,328	3,660	2,395	2,845	909	549	65	94	Santa Cruz.....	5,170	5,747	4,038	4,873	1,023	829	19	9
45 years and over.....	2,753	2,792	1,957	2,193	643	522	59	55	Under 5 years.....	321	336	306	325	4	3	1	1
Age unknown.....	55	50	22	29	27	20	.....	1	Under 1 year.....	45	48	43	47	.....	.....	.....	.....
18 to 44 years.....	3,670	4,044	2,619	3,092	637	588	70	110	5 to 9 years.....	402	418	301	405	8	8	.....	.....
21 years and over.....	5,983	6,321	4,278	4,943	1,265	1,074	123	146	10 to 14 years.....	439	500	420	477	14	18	2	.....
Sacramento.....	34,529	31,379	25,537	25,797	6,542	4,331	365	310	15 to 19 years.....	346	440	328	412	14	26	.....	.....
Under 5 years.....	2,640	2,515	2,354	2,291	16	12	18	22	20 to 44 years.....	1,546	1,861	1,179	1,576	332	266	6	3
Under 1 year.....	545	521	470	468	2	1	6	5	45 years and over.....	2,111	2,178	1,410	1,667	650	507	10	3
5 to 9 years.....	2,524	2,521	2,314	2,331	82	58	16	23	Age unknown.....	5	14	4	11	1	1	.....	.....
10 to 14 years.....	2,282	2,481	2,090	2,302	98	110	26	22	18 to 44 years.....	1,606	2,012	1,295	1,717	335	276	6	3
15 to 19 years.....	2,294	2,434	1,980	2,201	177	179	10	22	21 years and over.....	3,608	3,989	2,542	3,191	982	773	16	6
20 to 44 years.....	15,691	14,235	11,022	11,437	3,421	2,119	193	156	Santa Monica.....	7,082	8,170	5,618	6,602	1,263	1,383	127	155
45 years and over.....	9,081	7,181	5,768	5,225	2,744	1,851	101	65	Under 5 years.....	571	569	531	532	23	22	11	11
Age unknown.....	17	12	9	10	4	2	1	.....	Under 1 year.....	84	89	80	84	.....	.....	.....	.....
18 to 44 years.....	16,671	15,343	11,845	12,439	3,512	2,200	199	165	5 to 9 years.....	684	625	634	563	35	48	13	13
21 years and over.....	24,319	20,848	16,405	16,154	6,122	3,934	294	217	10 to 14 years.....	610	603	550	548	43	43	16	12
San Bernar-									15 to 19 years.....	492	470	443	419	39	40	10	9
dino.....	9,555	9,166	7,425	7,392	1,899	1,591	138	131	20 to 44 years.....	2,420	3,243	1,809	2,015	497	547	45	61
Under 5 years.....	899	889	848	837	29	31	13	11	45 years and over.....	2,274	2,640	1,578	1,907	654	682	32	49
Under 1 year.....	183	175	175	168	1	1	4	4	Age unknown.....	31	20	13	18	2	1	.....	.....
5 to 9 years.....	862	914	764	818	82	81	11	11	18 to 44 years.....	2,598	3,420	2,024	2,772	486	562	49	65
10 to 14 years.....	773	750	652	650	117	89	4	10	21 years and over.....	4,639	5,798	3,386	4,454	1,116	1,212	75	109
15 to 19 years.....	711	761	575	624	122	120	11	12	Stockton.....	21,722	18,574	15,785	15,228	4,275	2,706	173	163
20 to 44 years.....	3,993	3,844	2,962	2,968	922	794	60	56	Under 5 years.....	1,594	1,443	1,438	1,319	16	15	11	6
45 years and over.....	2,299	1,991	1,617	1,483	617	471	39	31	Under 1 year.....	319	284	293	242	.....	.....	.....	.....
Age unknown.....	18	17	7	12	10	5	.....	.....	5 to 9 years.....	1,545	1,542	1,422	1,423	36	40	14	14
18 to 44 years.....	4,311	4,162	3,211	3,224	987	847	64	61	10 to 14 years.....	1,401	1,397	1,304	1,300	60	69	10	6
21 years and over.....	6,194	5,705	4,495	4,352	1,527	1,236	97	86	15 to 19 years.....	1,339	1,356	1,176	1,243	98	85	8	8
San Diego.....	36,773	37,910	28,294	30,966	7,155	6,140	488	509	20 to 44 years.....	9,073	8,232	6,777	6,653	2,166	1,239	93	98
Under 5 years.....	2,581	2,527	2,392	2,366	65	57	38	43	45 years and over.....	6,151	4,595	3,657	3,288	1,891	1,251	37	31
Under 1 year.....	520	501	487	469	7	2	7	8	Age unknown.....	19	9	11	2	8	7	.....	.....
5 to 9 years.....	2,645	2,636	2,470	2,443	123	132	29	35	18 to 44 years.....	10,263	8,822	7,293	7,193	2,212	1,276	95	100
10 to 14 years.....	2,414	2,469	2,182	2,233	102	194	24	33	21 years and over.....	15,577	12,530	10,224	9,667	4,038	2,471	129	129
15 to 19 years.....	2,198	2,480	1,911	2,156	235	281	18	25	Vallejo.....	13,828	7,279	11,443	6,168	1,700	894	207	139
20 to 44 years.....	13,979	15,309	10,461	12,253	2,861	2,654	221	240	Under 5 years.....	674	608	647	578	4	2	9	14
45 years and over.....	12,761	12,399	8,729	9,443	3,644												



TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920.

[Per cent not shown where base is less than 100. For statistics of Indian, Chinese, and Japanese population, by counties, see supplemental table.]

SUBJECT.	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Del Norte.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>									
Total population	3,426,861	344,177	243	7,793	30,030	6,183	9,290	53,889	2,759
Male	1,813,591	174,638	149	4,677	16,773	3,642	5,508	31,349	1,573
Female	1,613,270	169,539	94	3,116	13,257	2,541	3,782	22,540	1,186
Native white	2,583,049	255,415	117	5,785	25,876	5,049	7,504	37,532	1,818
Male	1,308,373	123,832	75	3,258	13,939	2,848	4,212	20,262	985
Female	1,274,676	131,583	42	2,527	11,937	2,201	3,292	17,270	833
Native white—Native parentage	1,677,955	144,823	74	3,332	20,238	3,074	5,760	20,055	1,224
Native white—Foreign parentage	973,227	70,507	23	1,589	2,849	1,220	1,032	11,866	299
Native white—Mixed parentage	331,167	40,085	20	864	2,789	755	772	5,611	205
Foreign-born white	881,662	72,316	24	1,831	2,979	1,035	1,023	14,685	414
Male	401,850	40,205	19	1,304	1,971	737	743	9,869	323
Female	279,812	32,111	5	527	1,008	298	280	4,816	91
Negro	38,763	6,320	—	36	160	11	64	222	3
Male	19,837	3,416	—	32	89	6	46	146	—
Female	18,926	2,904	—	4	71	5	18	76	—
Indian, Chinese, Japanese, and all other (see Tables 1 and 7)	123,387	10,126	102	141	1,015	88	639	1,460	524
Per cent native white	75.4	74.2	48.1	74.2	86.2	81.7	81.4	69.6	65.9
Per cent foreign-born white	19.9	21.0	9.9	23.5	9.9	16.7	11.0	27.3	15.0
Per cent Negro	1.1	1.8	—	0.5	0.5	0.2	0.7	0.4	0.1
1910: Total population	2,377,549	246,131	309	9,086	27,301	9,171	7,732	31,674	2,417
Native white	1,742,422	174,896	171	6,354	22,533	7,123	6,334	20,318	1,720
Foreign-born white	517,250	59,624	42	2,484	3,151	1,813	821	9,593	358
Negro	21,045	3,634	—	2	122	17	50	67	1
Per cent native white	73.3	71.1	55.3	69.9	82.5	77.7	81.9	64.1	71.2
Per cent foreign-born white	21.8	24.2	13.6	27.3	11.5	19.8	10.6	30.3	14.8
Per cent Negro	0.9	1.5	—	(1)	0.4	0.2	0.6	0.2	(1)
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>									
Total under 7 years of age	390,677	38,286	32	871	3,587	669	1,119	7,537	360
Total 7 to 13 years, inclusive	376,303	37,849	36	915	3,628	774	1,071	6,532	369
Number attending school	352,563	36,008	31	864	3,507	751	1,001	6,236	346
Per cent attending school	93.7	95.4	—	94.4	97.0	97.0	93.5	95.5	93.8
Total 14 and 15 years	93,340	9,419	4	250	946	192	265	1,491	92
Number attending school	83,191	8,533	2	233	881	174	243	1,315	81
Per cent attending school	89.1	90.6	—	91.0	93.1	90.6	91.7	88.2	—
Total 16 and 17 years	94,520	9,897	5	328	940	197	253	1,397	99
Number attending school	51,694	5,398	1	192	534	107	162	690	48
Per cent attending school	54.7	50.2	—	58.5	56.3	55.8	64.0	49.4	—
Total 18 to 20 years, inclusive	153,985	15,602	7	490	1,408	241	352	2,125	133
Number attending school	33,661	4,188	1	170	336	34	72	312	24
Per cent attending school	21.9	27.0	—	34.7	23.9	14.1	20.5	14.7	18.0
Males 21 years of age and over	1,250,880	119,816	93	3,051	11,269	2,528	3,929	21,725	1,030
Native white—Native parentage	542,743	42,754	24	980	6,673	960	2,012	6,846	414
Native white—Foreign or mixed parentage	264,595	31,486	17	810	2,077	806	766	4,645	187
Foreign-born white	367,340	37,382	19	1,263	1,844	722	703	9,239	304
Naturalized	166,299	19,316	9	484	955	354	300	3,080	162
First papers	42,862	5,680	1	72	133	61	56	1,345	42
Alien	134,007	11,208	3	633	675	284	281	4,402	85
Unknown	24,172	—	—	181	23	—	66	412	15
Negro	14,393	2,630	—	7	68	3	36	127	—
Indian, Chinese, Japanese, and all other	61,809	5,555	33	51	607	37	412	868	134
Females 21 years of age and over	1,067,150	113,728	66	1,882	8,252	1,580	2,301	13,082	667
Native white—Native parentage	510,022	44,857	15	738	5,355	704	1,429	4,846	302
Native white—Foreign or mixed parentage	274,817	35,875	13	639	1,796	564	527	3,711	151
Foreign-born white	247,041	29,249	5	474	904	288	252	4,259	79
Naturalized	127,170	16,756	4	245	550	204	158	1,885	53
First papers	3,633	582	—	3	7	1	3	17	—
Alien	97,664	10,743	1	211	222	60	51	2,124	18
Unknown	18,568	1,168	—	15	125	17	40	233	8
Negro	13,146	2,091	—	4	51	5	13	49	—
Indian, Chinese, Japanese, and all other	22,124	1,656	33	27	146	19	80	217	135
Males 18 to 44 years, inclusive	829,998	81,506	58	2,069	6,721	1,357	2,494	15,987	609
Females 18 to 44 years, inclusive	734,965	79,251	42	1,147	5,601	964	1,619	10,154	461
<b>ILLITERACY.</b>									
Total 10 years of age and over	2,870,855	289,462	198	6,532	24,831	5,181	7,686	48,469	2,238
Number illiterate	95,592	8,505	56	423	574	231	288	2,955	182
Per cent illiterate	3.3	2.9	28.3	6.5	2.3	4.5	3.7	6.8	8.1
Per cent illiterate in 1910	3.7	3.6	26.9	7.1	4.9	6.6	4.0	8.6	7.8
Native white	2,075,167	204,303	87	4,580	20,878	4,068	6,068	27,665	1,445
Number illiterate	8,747	552	1	30	49	28	16	82	7
Per cent illiterate	0.4	0.3	—	0.7	0.2	0.7	0.3	0.3	0.5
Foreign-born white	664,983	71,268	24	1,808	2,939	1,033	1,005	14,428	407
Number illiterate	69,788	6,909	—	308	309	165	132	2,673	44
Per cent illiterate	10.5	9.7	—	20.4	10.5	16.0	13.1	18.5	10.8
Negro	33,391	5,536	—	35	145	8	57	203	—
Number illiterate	1,679	150	—	5	5	1	13	11	—
Per cent illiterate	4.7	2.8	—	—	3.4	—	—	5.4	—
Total 16 to 20 years, inclusive	248,505	25,099	12	818	2,348	440	605	3,522	232
Number illiterate	4,188	251	2	6	26	4	15	62	2
Per cent illiterate	1.7	1.0	—	0.7	1.1	0.9	2.5	1.8	0.9
Illiterate males 21 years of age and over	50,609	4,602	25	256	370	141	208	1,904	87
Per cent of all males 21 years of age and over	4.0	3.8	—	8.4	3.3	5.8	5.3	8.8	8.4
Native white	3,835	217	1	9	27	19	6	42	1
Foreign-born white	37,026	3,715	—	232	190	104	104	1,711	30
Negro	626	56	—	2	3	—	10	4	—
Illiterate females 21 years of age and over	38,949	3,592	27	158	175	83	57	970	92
Per cent of all females 21 years of age and over	3.6	3.2	—	8.4	2.1	5.3	2.5	7.4	13.8
Native white	3,579	250	—	16	16	9	7	25	6
Foreign-born white	28,885	2,991	—	133	104	68	21	903	13
Negro	907	96	—	3	2	—	2	6	—
<b>DWELLINGS AND FAMILIES.</b>									
Dwellings, number	778,881	77,968	64	1,907	7,467	1,790	2,279	12,009	766
Families, number	900,232	89,733	68	1,949	7,917	1,809	2,362	12,871	798

1 Less than one-tenth of 1 per cent.



TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920—Continued.

[Per cent not shown where base is less than 100. For statistics of Indian, Chinese, and Japanese population, by counties, see supplemental table.]

SUBJECT.	Eldorado.	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>										
Total population.....	6,426	128,779	11,853	37,413	43,453	7,031	54,843	22,031	5,402	8,507
Male.....	3,743	70,885	6,900	21,154	25,966	4,169	31,633	12,131	2,877	5,341
Female.....	2,683	57,894	4,953	16,259	17,487	2,862	23,210	9,900	2,525	3,166
Native white.....	5,376	93,561	9,932	26,708	29,248	5,328	45,780	16,857	4,594	6,784
Male.....	2,988	49,215	5,332	14,245	16,811	3,042	25,478	8,785	2,393	4,019
Female.....	2,388	44,346	4,600	12,463	12,437	2,286	20,302	8,072	2,201	2,765
Native white—Native parentage.....	3,686	62,942	7,327	15,050	23,483	3,995	35,806	12,042	3,779	5,108
Native white—Foreign parentage.....	952	22,373	1,488	6,684	3,661	649	5,745	3,205	384	854
Native white—Mixed parentage.....	738	8,246	1,117	4,065	2,099	684	4,139	1,010	431	762
Foreign-born white.....	849	26,874	1,530	8,783	8,917	937	7,447	3,883	502	1,291
Male.....	626	16,127	1,052	6,045	5,646	708	5,036	2,454	318	1,046
Female.....	223	10,747	478	2,738	3,271	229	2,411	1,429	184	247
Negro.....	17	930	30	77	1,648	9	499	180	6	19
Male.....	9	468	13	44	947	4	283	96	3	15
Female.....	8	462	17	33	701	5	206	84	3	4
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	184	7,414	361	1,845	3,640	757	1,117	1,111	300	411
Per cent native white.....	83.7	72.7	83.8	71.4	67.3	75.8	83.5	76.5	85.0	79.7
Per cent foreign-born white.....	13.2	20.9	12.9	23.5	20.5	13.3	13.6	17.6	9.3	15.2
Per cent Negro.....	0.3	0.7	0.3	0.2	3.8	0.1	0.9	0.8	0.1	0.2
1910: Total population.....	7,492	75,657	7,172	33,857	13,591	6,974	37,715	16,230	5,526	4,802
Native white.....	6,130	55,228	5,963	22,984	10,119	4,569	28,788	12,578	4,532	3,826
Foreign-born white.....	1,068	15,987	952	9,169	2,463	1,451	7,219	2,788	523	546
Negro.....	28	474	15	40	65	21	369	172	11	1
Per cent native white.....	81.8	73.0	83.1	67.9	74.5	65.5	76.3	77.5	82.0	79.7
Per cent foreign-born white.....	14.3	21.1	13.3	27.1	18.1	20.8	19.1	17.2	9.5	11.4
Per cent Negro.....	0.4	0.6	0.2	0.1	0.5	0.3	1.0	1.1	0.2	(1)
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>										
Total under 7 years of age.....	738	18,949	1,553	4,634	6,691	868	7,650	3,485	666	1,068
Total 7 to 13 years, inclusive.....	754	17,215	1,605	4,642	5,395	784	6,494	3,176	690	966
Number attending school.....	728	16,173	1,416	4,214	4,584	702	5,891	2,876	670	904
Per cent attending school.....	96.6	93.9	94.1	90.8	85.0	89.5	90.7	90.6	97.1	93.6
Total 14 and 15 years.....	161	4,195	356	1,182	1,245	201	1,587	766	193	234
Number attending school.....	134	3,757	325	1,036	979	174	1,402	674	176	209
Per cent attending school.....	83.2	89.6	91.3	87.6	78.6	86.6	88.0	88.0	91.2	89.3
Total 16 and 17 years.....	174	4,084	329	1,132	1,206	187	1,407	588	173	242
Number attending school.....	87	2,030	200	565	520	124	809	289	113	135
Per cent attending school.....	50.0	49.7	60.8	49.9	43.1	66.3	57.5	49.1	65.3	55.8
Total 18 to 20 years, inclusive.....	217	6,227	524	1,700	2,183	296	2,305	950	223	434
Number attending school.....	40	1,186	120	325	231	62	379	159	69	65
Per cent attending school.....	18.4	19.0	22.9	19.1	10.6	20.9	16.4	16.7	26.5	15.0
Males 21 years of age and over.....	2,674	45,101	4,705	14,421	17,223	2,681	21,613	7,547	1,911	3,779
Native white—Native parentage.....	1,233	20,496	2,527	8,228	8,371	1,451	12,729	3,778	1,200	1,891
Native white—Foreign or mixed parentage.....	732	6,407	912	3,009	1,806	673	3,379	915	298	702
Foreign-born white.....	622	14,111	983	5,656	4,381	666	4,643	2,166	311	1,001
Naturalized.....	334	5,886	491	2,559	686	321	1,714	576	190	349
First papers.....	66	1,845	77	742	277	75	518	140	33	144
Alien.....	190	6,561	265	1,922	3,190	229	1,894	1,266	80	473
Unknown.....	32	819	160	433	228	41	517	184	28	35
Negro.....	8	304	8	23	646	4	215	69	2	11
Indian, Chinese, Japanese, and all other.....	79	3,783	275	475	2,019	287	647	629	100	174
Females 21 years of age and over.....	1,708	33,008	2,881	9,702	9,510	1,714	13,817	5,519	1,546	1,784
Native white—Native parentage.....	904	17,000	1,720	4,021	5,301	947	8,989	3,102	1,010	1,074
Native white—Foreign or mixed parentage.....	541	5,547	681	2,541	1,089	346	2,537	917	260	386
Foreign-born white.....	214	8,898	437	2,634	2,096	207	2,021	1,185	180	217
Naturalized.....	150	3,928	278	1,582	367	127	1,025	365	130	127
First papers.....	1	98	2	30	5	2	16	6	1	4
Alien.....	44	4,374	102	771	1,654	62	744	718	35	75
Unknown.....	19	498	55	251	70	16	236	96	14	11
Negro.....	8	253	9	16	422	2	118	49	1	4
Indian, Chinese, Japanese, and all other.....	41	1,310	34	490	602	212	152	176	89	103
Males 18 to 44 years, inclusive.....	1,327	32,163	2,997	9,537	13,473	1,798	15,648	5,187	1,042	2,693
Females 18 to 44 years, inclusive.....	930	25,824	2,070	6,848	8,266	1,244	11,130	4,210	923	1,401
<b>ILLITERACY.</b>										
Total 10 years of age and over.....	5,346	102,149	9,595	30,729	34,287	5,814	44,224	17,089	4,451	7,009
Number illiterate.....	161	5,475	221	905	3,773	319	1,873	1,521	157	616
Per cent illiterate.....	3.0	5.4	2.3	2.9	11.0	5.5	4.2	8.9	3.5	8.8
Per cent illiterate in 1910.....	2.9	4.7	3.0	4.4	11.7	11.5	4.8	9.2	5.4	5.9
Native white.....	4,332	69,572	7,739	20,600	21,884	4,267	35,650	12,312	3,706	5,379
Number illiterate.....	13	247	14	64	158	8	228	104	11	19
Per cent illiterate.....	0.3	0.4	0.2	0.3	0.7	0.2	0.6	0.8	0.3	0.4
Foreign-born white.....	847	26,035	1,605	8,710	8,049	913	7,239	3,735	499	1,283
Number illiterate.....	102	4,020	96	5,498	2,838	54	1,357	1,187	15	379
Per cent illiterate.....	12.0	15.5	6.4	5.7	35.3	5.9	18.7	31.8	3.0	29.5
Negro.....	17	753	28	56	1,374	6	420	145	6	16
Number illiterate.....	1	32	1	3	81	2	15	5	—	—
Per cent illiterate.....	—	4.2	—	—	5.9	—	3.6	3.4	—	—
Total 16 to 20 years, inclusive.....	391	10,311	853	2,832	3,389	483	3,712	1,538	308	676
Number illiterate.....	4	234	10	18	387	10	107	64	5	19
Per cent illiterate.....	1.0	2.3	1.2	0.6	11.4	2.1	2.9	4.2	1.3	2.8
Illiterate males 21 years of age and over.....	108	2,713	176	562	1,928	153	1,184	875	70	450
Per cent of all males 21 years of age and over.....	4.0	6.0	3.7	3.9	11.2	5.1	5.5	11.6	3.7	11.9
Native white.....	9	107	9	38	77	5	108	40	4	12
Foreign-born white.....	78	1,892	62	375	1,434	37	890	701	7	307
Negro.....	1	14	1	—	38	1	6	2	—	—
Illiterate females 21 years of age and over.....	46	2,447	32	320	1,211	148	528	561	80	135
Per cent of all females 21 years of age and over.....	2.7	7.4	1.1	3.3	12.7	8.6	3.8	10.2	5.2	7.6
Native white.....	3	92	3	19	45	3	79	53	5	7
Foreign-born white.....	24	1,951	24	110	879	17	368	422	8	52
Negro.....	—	17	—	3	36	—	3	—	—	—
<b>DWELLINGS AND FAMILIES.</b>										
Dwellings, number.....	1,884	28,641	2,810	9,215	9,947	1,669	12,876	5,147	1,559	1,881
Families, number.....	2,014	31,337	2,952	9,675	10,674	2,089	13,990	5,454	1,582	1,960

1 Less than one-tenth of 1 per cent.



TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920—Continued.

[Per cent not shown where base is less than 100. For statistics of Indian, Chinese, and Japanese population, by counties, see supplemental table.]

SUBJECT.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.	Mono.	Monterey.	Napa.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>										
Total population.....	936,455	12,203	27,342	2,775	24,116	24,579	5,425	960	27,980	20,678
Male.....	462,332	6,765	15,010	1,673	14,204	14,298	3,091	506	15,843	11,300
Female.....	474,123	5,438	11,432	1,102	9,912	10,281	2,424	364	12,137	9,378
Native white.....	727,928	9,450	19,096	2,324	17,594	17,515	4,608	547	20,194	15,930
Male.....	349,048	5,038	11,142	1,361	9,774	9,510	2,500	347	10,641	8,303
Female.....	378,880	4,412	8,854	963	7,820	8,005	2,099	200	9,553	7,627
Native white—Native parentage.....	515,073	6,816	10,667	1,694	11,789	9,758	3,872	335	12,533	10,268
Native white—Foreign parentage.....	127,129	1,639	6,021	344	3,863	5,389	318	93	4,614	3,720
Native white—Mixed parentage.....	84,826	995	3,308	286	1,942	2,368	418	119	3,047	1,952
Foreign-born white.....	166,579	2,674	6,781	332	5,172	6,441	330	147	5,096	4,491
Male.....	88,845	1,326	4,307	251	3,634	4,366	246	128	3,350	2,765
Female.....	77,734	748	2,474	81	1,538	2,075	84	19	1,737	1,600
Negro.....	18,738	62	101	7	55	48	3	7	170	40
Male.....	8,868	35	87	5	49	34	2	5	101	24
Female.....	9,870	27	14	2	6	14	1	2	69	16
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	23,210	617	464	112	1,295	575	484	259	2,520	217
Per cent native white.....	77.7	77.4	73.1	83.7	73.0	71.3	84.9	57.0	72.2	77.0
Per cent foreign-born white.....	17.8	17.0	24.8	12.0	21.4	26.2	6.1	15.3	18.2	21.7
Per cent Negro.....	2.0	0.5	0.4	0.3	0.2	0.2	0.1	0.7	0.6	0.2
<b>1910: Total population.....</b>	<b>504,131</b>	<b>8,368</b>	<b>25,114</b>	<b>3,956</b>	<b>23,929</b>	<b>15,148</b>	<b>6,191</b>	<b>2,042</b>	<b>24,146</b>	<b>19,800</b>
Native white.....	395,042	5,370	17,140	2,966	16,368	10,633	5,237	1,126	18,084	14,154
Foreign-born white.....	88,436	1,940	7,046	708	5,942	4,064	392	495	4,051	5,283
Negro.....	9,424	56	145	18	31	75	4	.....	107	48
Per cent native white.....	78.4	68.2	68.2	75.0	68.4	70.2	84.6	55.1	74.9	71.5
Per cent foreign-born white.....	17.5	23.2	28.1	17.9	24.8	26.8	6.3	24.2	16.8	26.7
Per cent Negro.....	1.9	0.7	0.6	0.5	0.1	0.5	0.1	.....	0.4	0.2
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>										
Total under 7 years of age.....	95,866	1,940	2,941	332	3,072	3,962	747	133	3,431	1,887
Total 7 to 13 years, inclusive.....	94,227	1,701	3,229	320	3,179	3,313	730	100	3,241	2,032
Number attending school.....	88,998	1,691	3,069	306	2,929	3,089	693	64	2,849	1,923
Per cent attending school.....	94.5	96.0	95.0	95.6	92.1	93.2	94.9	64.0	87.9	94.6
Total 14 and 15 years.....	23,888	409	747	84	751	760	208	29	805	545
Number attending school.....	21,532	364	695	78	638	669	186	17	705	493
Per cent attending school.....	90.1	89.0	93.0	.....	85.0	88.0	89.4	.....	87.0	90.5
Total 16 and 17 years.....	24,012	367	636	69	682	732	215	23	795	590
Number attending school.....	13,715	203	347	41	338	370	135	3	410	326
Per cent attending school.....	57.1	55.3	54.6	.....	49.6	50.5	62.8	.....	51.6	55.3
Total 18 to 20 years, inclusive.....	30,613	505	1,284	111	937	1,127	256	37	1,222	813
Number attending school.....	9,249	102	185	23	169	156	50	5	207	178
Per cent attending school.....	23.3	20.2	14.4	20.7	18.0	13.8	19.5	.....	16.9	21.9
Males 21 years of age and over.....	324,150	4,231	11,020	1,179	9,688	9,095	1,897	441	10,951	8,304
Native white—Native parentage.....	167,960	2,674	3,775	600	4,123	3,162	1,223	144	3,991	3,609
Native white—Foreign or mixed parentage.....	60,380	705	2,819	286	1,512	1,605	288	100	2,432	1,809
Foreign-born white.....	78,799	1,188	4,035	246	3,511	3,947	236	128	3,160	2,701
Naturalized.....	36,792	427	1,947	172	1,328	1,176	141	75	1,315	1,265
First papers.....	9,317	138	445	22	371	328	41	4	258	230
Alien.....	28,198	552	1,425	50	1,265	2,080	38	40	1,272	755
Unknown.....	4,312	71	218	2	547	363	16	9	315	451
Negro.....	6,240	23	80	5	45	27	1	1	72	23
Indian, Chinese, Japanese, and all other.....	10,771	241	311	42	497	294	149	68	1,296	162
Females 21 years of age and over.....	334,609	2,990	7,485	680	5,807	5,500	1,372	197	7,535	6,507
Native white—Native parentage.....	182,607	1,660	2,507	346	2,952	2,376	942	59	3,491	3,071
Native white—Foreign or mixed parentage.....	72,888	548	2,611	217	1,098	1,328	213	40	1,996	1,703
Foreign-born white.....	67,475	626	2,297	80	1,441	1,784	80	19	1,576	1,605
Naturalized.....	34,637	275	1,247	69	786	683	72	14	834	884
First papers.....	1,167	3	18	.....	9	2	.....	.....	13	6
Alien.....	27,672	304	799	10	448	907	8	2	570	489
Unknown.....	3,960	44	233	1	198	192	.....	3	159	226
Negro.....	6,987	10	14	2	6	11	1	.....	44	15
Indian, Chinese, Japanese, and all other.....	4,742	137	56	35	310	91	136	70	428	23
Males 18 to 44 years, inclusive.....	207,013	2,838	7,900	619	5,737	6,365	1,199	252	7,090	4,342
Females 18 to 44 years, inclusive.....	217,563	2,249	5,117	441	3,848	4,328	989	142	5,009	3,878
<b>ILLITERACY.</b>										
Total 10 years of age and over.....	799,586	9,478	23,052	2,300	19,652	19,080	4,356	785	23,085	17,985
Number illiterate.....	16,788	403	726	83	808	1,913	222	115	1,156	1,245
Per cent illiterate.....	2.1	4.3	3.1	3.6	4.4	10.0	5.1	14.6	5.0	6.9
Per cent illiterate in 1910.....	2.2	0.3	5.2	7.0	4.8	8.3	7.2	13.6	4.1	2.7
Native white.....	605,077	6,938	15,854	1,867	13,450	12,326	3,637	433	15,999	13,204
Number illiterate.....	1,607	33	37	12	141	75	16	4	147	579
Per cent illiterate.....	0.3	0.5	0.2	0.6	1.0	0.6	0.4	0.9	0.9	4.4
Foreign-born white.....	100,956	1,996	8,687	331	5,142	6,280	330	147	5,005	4,451
Number illiterate.....	12,945	225	635	30	392	1,767	4	10	616	603
Per cent illiterate.....	8.0	11.3	9.5	9.1	7.6	28.1	1.2	6.8	12.3	13.5
Negro.....	10,168	54	101	7	54	46	3	3	141	40
Number illiterate.....	753	2	.....	1	12	3	2	.....	16	9
Per cent illiterate.....	4.7	.....	.....	.....	.....	.....	.....	.....	11.3	.....
Total 16 to 20 years, inclusive.....	63,025	872	1,920	180	1,619	1,850	471	60	2,017	1,403
Number illiterate.....	509	24	22	3	13	88	5	4	48	11
Per cent illiterate.....	1.3	2.8	1.1	1.7	0.8	4.7	1.1	.....	2.4	0.8
Illiterate males 21 years of age and over.....	7,300	202	454	42	475	1,217	109	47	795	749
Per cent of all males 21 years of age and over.....	2.3	4.8	4.1	3.6	4.9	13.4	5.7	10.7	7.3	9.0
Native white.....	646	19	16	5	59	33	9	2	71	322
Foreign-born white.....	5,652	118	399	21	253	1,143	3	9	415	376
Negro.....	241	1	.....	1	9	2	1	.....	11	5
Illiterate females 21 years of age and over.....	8,291	172	246	38	361	589	105	59	293	479
Per cent of all females 21 years of age and over.....	2.5	5.8	3.3	5.6	6.2	10.5	7.7	29.9	3.9	7.4
Native white.....	707	13	15	5	77	27	6	2	53	243
Foreign-born white.....	6,463	88	222	9	132	536	1	1	172	226
Negro.....	502	1	.....	.....	3	1	1	.....	3	4
<b>DWELLINGS AND FAMILIES.</b>										
Dwellings, number.....	215,824	2,833	6,341	920	6,066	5,303	1,462	292	6,905	4,602
Families, number.....	261,097	2,989	6,693	939	6,288	5,526	1,492	301	7,315	4,865



## COMPOSITION AND CHARACTERISTICS.

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TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920—Continued.

[Per cent not shown where base is less than 100. For statistics of Indian, Chinese, and Japanese population, by counties, see supplemental table.]

SUBJECT.	Nevada.	Orange.	Placer.	Plumas.	River- side.	Sacra- mento.	San Benito.	San Ber- nardino.	San Diego.	San Fran- cisco.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>										
Total population.....	10,850	61,375	13,584	5,681	50,297	91,029	8,995	73,401	112,248	506,678
Male.....	6,054	31,254	10,736	3,817	26,476	49,874	5,065	38,435	57,449	272,703
Female.....	4,796	30,121	7,848	1,864	23,821	41,155	3,930	34,966	54,799	233,975
Native white.....	8,459	50,098	13,324	4,115	38,120	67,018	6,726	56,906	88,814	349,822
Male.....	4,503	24,802	7,170	2,582	19,652	34,357	3,525	28,757	44,289	177,967
Female.....	3,956	25,296	6,154	1,533	18,468	32,661	3,201	28,149	44,525	171,855
Native white—Native parentage.....	4,580	38,102	9,008	2,843	29,569	42,361	4,132	42,713	63,243	167,179
Native white—Foreign parentage.....	2,451	6,895	2,605	760	4,980	15,268	1,525	8,387	14,361	125,648
Native white—Mixed parentage.....	1,428	5,071	1,651	512	3,571	9,389	1,069	5,806	11,210	56,995
Foreign-born white.....	2,197	8,658	2,098	1,126	8,544	14,998	1,681	14,183	19,097	140,700
Male.....	1,418	4,813	2,152	971	5,021	9,433	1,169	8,290	10,527	82,918
Female.....	779	3,845	946	155	3,523	5,565	512	5,893	8,570	57,782
Negro.....	15	139	52	6	885	873	35	608	1,190	2,414
Male.....	10	71	31	4	447	518	15	312	591	1,362
Female.....	5	68	21	2	438	355	20	296	599	1,052
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	179	2,510	2,110	434	2,748	8,140	553	1,704	3,127	14,240
Per cent native white.....	78.0	81.6	71.7	72.4	75.8	73.6	74.8	77.5	79.1	69.0
Per cent foreign-born white.....	20.2	14.1	16.7	19.8	17.0	16.5	18.7	19.3	17.0	27.7
Per cent Negro.....	0.1	0.2	0.3	0.1	1.8	1.0	0.4	0.8	1.1	0.5
1910: Total population.....	14,955	34,436	18,237	5,259	34,696	67,806	8,041	56,706	61,665	416,912
Native white.....	11,092	28,613	12,854	3,577	26,355	48,009	6,076	43,472	47,413	269,140
Foreign-born white.....	3,466	4,976	3,727	1,052	5,228	13,031	1,567	10,681	11,101	130,574
Negro.....	14	97	55	5	518	631	26	642	684	1,642
Per cent native white.....	74.2	83.1	70.4	68.0	76.0	70.8	75.6	76.7	76.9	64.6
Per cent foreign-born white.....	23.2	14.4	20.4	20.0	15.1	19.2	19.5	18.8	18.0	31.4
Per cent Negro.....	0.1	0.3	0.3	0.1	1.5	0.9	0.3	1.1	1.1	0.4
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>										
Total under 7 years of age.....	1,203	8,430	2,532	612	6,574	10,919	1,230	9,263	11,742	46,181
Total 7 to 13 years, inclusive.....	1,277	7,950	2,195	582	6,522	9,604	1,140	8,752	11,124	46,876
Number attending school.....	1,203	7,476	2,085	555	5,999	9,176	1,086	7,902	10,317	42,263
Per cent attending school.....	94.2	91.0	95.0	90.4	91.2	95.6	95.3	91.0	92.7	90.2
Total 14 and 15 years.....	385	2,037	470	147	1,680	2,361	265	2,184	2,807	11,230
Number attending school.....	361	1,747	427	126	1,488	2,131	231	1,844	2,489	9,609
Per cent attending school.....	93.8	85.8	89.7	85.7	88.0	90.3	87.2	84.4	88.7	85.2
Total 16 and 17 years.....	319	1,920	461	124	1,607	2,489	263	2,141	2,802	13,026
Number attending school.....	185	1,098	240	76	1,071	1,381	129	1,182	1,607	6,600
Per cent attending school.....	58.0	57.2	52.1	61.3	66.1	55.5	49.0	55.2	57.1	50.7
Total 18 to 20 years, inclusive.....	429	2,753	732	196	2,773	4,076	357	3,855	5,077	24,127
Number attending school.....	37	663	159	29	723	750	68	785	1,042	5,260
Per cent attending school.....	20.3	23.7	21.7	14.8	27.1	18.4	19.0	23.4	20.5	21.8
Males 21 years of age and over.....	4,172	19,663	7,416	2,922	16,884	35,031	3,393	25,413	40,316	201,067
Native white—Native parentage.....	1,267	11,392	2,889	1,183	9,425	19,601	1,252	13,795	21,061	66,439
Native white—Foreign or mixed parentage.....	1,446	3,377	1,491	604	2,266	8,011	1,703	3,831	7,802	57,169
Foreign-born white.....	1,353	3,958	2,003	947	4,088	8,916	1,083	6,865	9,530	78,211
Naturalized.....	740	1,643	799	400	1,280	4,111	452	2,001	5,258	39,477
First papers.....	163	266	221	139	227	886	92	389	802	10,855
Alien.....	416	1,825	939	352	2,366	3,420	455	3,621	2,987	22,488
Unknown.....	34	254	74	26	215	490	94	704	453	5,161
Negro.....	7	35	26	4	271	431	11	218	444	1,098
Indian, Chinese, Japanese, and all other.....	99	871	1,007	124	833	3,082	244	704	1,470	3,140
Females 21 years of age and over.....	3,065	18,611	4,772	1,088	14,259	26,549	2,347	22,293	38,320	165,170
Native white—Native parentage.....	1,006	11,380	2,310	567	8,611	12,103	1,069	13,224	21,321	48,690
Native white—Foreign or mixed parentage.....	1,298	3,577	1,225	305	2,261	7,738	710	3,874	8,400	60,889
Foreign-born white.....	726	3,097	846	147	2,689	5,024	459	4,067	7,507	52,656
Naturalized.....	499	1,496	455	83	982	2,881	232	1,668	4,294	28,099
First papers.....	9	59	10	2	20	48	1	31	114	1,000
Alien.....	153	1,348	333	44	1,549	1,744	182	2,440	2,666	18,732
Unknown.....	45	214	47	18	138	351	44	528	433	4,825
Negro.....	3	32	12	2	244	241	11	199	423	318
Indian, Chinese, Japanese, and all other.....	32	519	379	67	454	1,443	98	329	699	2,117
Males 18 to 44 years, inclusive.....	2,384	12,624	4,713	1,892	11,114	23,724	2,151	16,139	23,717	143,204
Females 18 to 44 years, inclusive.....	1,849	12,554	3,350	811	9,710	19,488	1,668	15,096	22,921	121,642
<b>ILLITERACY.</b>										
Total 10 years of age and over.....	9,134	49,400	15,018	4,816	40,881	75,849	7,249	60,224	95,574	440,564
Number illiterate.....	193	2,003	656	307	2,402	2,822	500	3,664	1,969	8,520
Per cent illiterate.....	2.1	4.1	4.4	6.4	5.9	3.7	6.9	6.1	2.1	1.9
Per cent illiterate in 1910.....	3.4	3.3	5.7	5.5	6.1	2.6	5.6	7.3	3.0	2.1
Native white.....	6,802	39,458	10,360	3,347	29,981	54,075	5,158	45,120	73,502	287,855
Number illiterate.....	21	260	45	9	174	121	65	293	265	663
Per cent illiterate.....	0.3	0.7	0.4	0.3	0.6	0.2	1.3	0.6	0.4	0.2
Foreign-born white.....	2,170	8,152	3,046	1,121	7,656	14,784	1,602	13,305	18,527	138,475
Number illiterate.....	127	1,329	427	213	1,841	1,674	330	2,850	1,259	6,585
Per cent illiterate.....	5.9	16.3	14.0	19.0	23.1	10.6	19.9	21.6	6.8	4.8
Negro.....	13	95	47	6	699	778	27	512	1,008	2,176
Number illiterate.....	2	20	7	.....	45	47	.....	52	58	69
Per cent illiterate.....	.....	.....	.....	.....	6.4	6.0	.....	10.2	5.8	3.1
Total 16 to 20 years, inclusive.....	748	4,673	1,193	320	4,368	6,565	620	5,496	7,939	37,153
Number illiterate.....	1	174	27	4	187	58	17	220	90	193
Per cent illiterate.....	0.1	3.7	2.3	1.3	4.3	0.9	2.7	4.2	1.1	0.5
Illiterate males 21 years of age and over.....	124	890	419	253	1,157	1,392	286	1,741	976	4,093
Per cent of all males 21 years of age and over.....	3.0	4.5	5.6	8.7	6.9	4.0	8.4	6.9	2.4	2.0
Native white.....	13	106	27	5	78	58	31	108	130	245
Foreign-born white.....	80	599	265	201	854	937	204	1,382	632	3,034
Negro.....	1	6	6	.....	17	32	1	25	29	40
Illiterate females 21 years of age and over.....	68	845	204	45	1,014	854	197	1,539	859	4,167
Per cent of all females 21 years of age and over.....	2.2	4.5	4.3	4.4	7.1	3.2	8.4	6.9	2.2	2.5
Native white.....	47	115	14	3	60	41	32	127	106	236
Foreign-born white.....	47	554	139	10	758	602	115	1,198	548	3,427
Negro.....	1	11	1	.....	28	15	.....	24	29	26
<b>DWELLINGS AND FAMILIES.</b>										
Dwellings, number.....	3,052	15,360	5,053	1,531	12,571	19,587	2,281	18,483	28,674	90,132
Families, number.....	3,175	16,434	5,237	1,570	13,384	23,235	2,376	19,746	33,145	122,349



TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES—Continued.

[Per cent not shown where base is less than 100. For statistics of Indian, Chinese, and Japanese population, by counties, see supplemental table.]

SUBJECT.	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>										
Total population.....	79,905	21,893	36,781	41,097	100,676	26,269	13,361	1,783	18,545	40,602
Male.....	44,932	11,844	20,418	21,441	51,128	13,704	7,631	1,087	10,868	25,159
Female.....	34,973	10,049	16,365	19,656	49,548	12,565	5,680	696	7,677	15,443
Native white.....	58,601	17,881	24,540	31,056	75,290	19,811	10,930	1,378	14,676	31,363
Male.....	30,539	9,255	12,675	15,470	36,348	9,712	6,036	793	8,180	18,851
Female.....	28,062	8,626	11,865	15,586	38,942	10,099	4,894	585	6,496	12,512
Native white—Native parentage.....	37,788	11,841	11,701	21,540	43,992	12,736	8,415	834	10,840	19,452
Native white—Foreign parentage.....	13,264	3,503	8,647	5,603	20,770	4,245	1,325	334	2,198	7,500
Native white—Mixed parentage.....	7,549	2,537	4,192	3,913	10,528	2,830	1,190	210	1,638	4,411
Foreign-born white.....	14,373	3,325	10,985	8,455	21,181	5,126	1,717	303	2,825	6,797
Male.....	9,250	2,091	6,846	4,877	12,076	3,175	1,208	227	2,098	4,483
Female.....	5,123	1,234	4,139	3,578	9,105	1,951	449	70	727	2,314
Negro.....	419	40	158	224	335	44	76	1	280	429
Male.....	227	23	99	98	148	29	41	1	167	242
Female.....	192	17	59	126	187	15	35	—	113	187
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	6,512	647	1,093	1,362	3,870	1,288	638	101	764	2,022
Per cent native white.....	73.3	81.7	66.7	75.6	74.3	75.4	81.8	77.3	79.1	77.2
Per cent foreign-born white.....	18.0	15.2	29.9	20.6	21.0	19.5	12.9	17.0	15.2	16.7
Per cent Negro.....	0.5	0.2	0.4	0.5	0.3	0.2	0.6	0.1	1.5	1.0
1910: Total population.....	59,731	19,383	26,585	27,738	83,539	26,140	18,920	4,098	18,801	27,559
Native white.....	36,413	15,129	17,305	21,806	61,525	19,605	14,499	2,036	14,151	19,450
Foreign-born white.....	9,926	3,584	8,516	4,473	18,324	5,554	3,374	974	3,282	5,982
Negro.....	307	77	67	108	262	83	159	—	29	250
Per cent native white.....	71.8	78.1	65.1	78.6	73.6	75.0	76.6	71.6	75.3	70.6
Per cent foreign-born white.....	16.6	18.4	32.0	16.1	21.9	21.2	17.8	23.8	17.4	21.7
Per cent Negro.....	0.6	0.4	0.3	0.4	0.3	0.3	0.8	—	0.2	0.9
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>										
Total under 7 years of age.....	9,780	2,903	4,873	5,472	11,640	2,833	1,063	171	2,671	4,355
Total 7 to 13 years, inclusive.....	8,950	2,840	4,663	4,798	12,206	3,240	1,744	200	2,382	3,798
Number attending school.....	8,607	2,670	4,385	4,512	11,319	3,005	1,635	191	2,255	3,576
Per cent attending school.....	96.2	94.0	94.0	94.0	92.7	92.7	93.8	95.5	94.7	94.2
Total 14 and 15 years.....	2,101	741	1,000	1,109	3,178	859	415	53	556	955
Number attending school.....	1,888	643	877	982	2,835	756	367	47	510	861
Per cent attending school.....	89.9	86.8	87.7	88.5	89.2	88.0	88.4	—	91.7	90.2
Total 16 and 17 years.....	2,154	676	961	1,085	3,119	815	415	44	522	1,330
Number attending school.....	1,073	376	460	557	1,888	491	238	24	254	551
Per cent attending school.....	49.8	55.6	47.9	51.3	60.2	60.2	57.3	—	48.7	41.4
Total 18 to 20 years, inclusive.....	3,357	966	1,368	1,747	4,633	977	592	66	747	3,555
Number attending school.....	574	190	221	294	1,474	214	120	20	114	546
Per cent attending school.....	17.1	19.7	16.2	16.8	31.8	21.9	20.3	—	15.3	15.4
Males 21 years of age and over.....	31,508	7,679	13,812	14,221	33,700	9,277	5,222	817	7,268	16,741
Native white—Native parentage.....	12,449	3,536	3,469	6,593	12,848	3,835	2,806	281	3,650	6,347
Native white—Foreign or mixed parentage.....	6,114	1,708	3,207	2,428	7,745	1,883	979	255	1,253	4,223
Foreign-born white.....	8,735	1,977	6,436	4,364	11,209	3,007	1,201	225	1,976	4,206
Naturalized.....	3,471	1,090	2,544	1,572	4,712	1,396	591	136	618	2,147
First papers.....	874	140	910	507	1,046	302	97	16	224	477
Alien.....	3,406	617	2,572	2,009	4,127	1,108	471	72	1,084	1,432
Unknown.....	984	130	410	276	1,324	201	42	1	50	150
Negro.....	166	17	72	67	107	23	32	1	126	181
Indian, Chinese, Japanese, and all other.....	4,042	381	628	760	1,791	529	204	55	263	1,284
Females 21 years of age and over.....	22,057	6,088	10,104	12,665	32,200	8,268	3,310	432	4,399	9,898
Native white—Native parentage.....	10,592	3,132	2,882	6,638	14,306	4,060	1,989	184	2,569	4,178
Native white—Foreign or mixed parentage.....	5,725	1,703	3,244	2,589	8,824	2,130	714	152	951	3,195
Foreign-born white.....	4,643	1,143	3,762	3,142	8,239	1,802	406	73	617	2,112
Naturalized.....	2,355	720	1,839	1,301	3,601	955	268	60	279	1,357
First papers.....	40	10	47	97	62	12	—	—	1	11
Alien.....	1,713	319	1,520	1,566	3,890	650	112	13	319	651
Unknown.....	535	94	356	178	1,186	185	26	—	18	93
Negro.....	153	12	38	92	121	10	24	—	77	115
Indian, Chinese, Japanese, and all other.....	944	98	178	204	710	266	177	23	185	208
Males 18 to 44 years, inclusive.....	20,601	4,767	9,635	9,551	20,284	4,927	3,151	395	4,892	13,957
Females 18 to 44 years, inclusive.....	15,809	4,070	7,366	8,859	20,644	4,764	2,266	258	3,280	7,332
<b>ILLITERACY.</b>										
Total 10 years of age and over.....	66,100	17,753	29,764	33,436	83,776	22,090	10,913	1,529	14,789	34,660
Number illiterate.....	2,047	681	964	1,404	4,761	770	384	57	555	1,492
Per cent illiterate.....	3.1	3.8	3.2	4.2	5.7	3.5	3.5	3.7	3.8	4.3
Per cent illiterate in 1910.....	3.7	4.0	7.8	4.8	4.4	4.6	7.2	4.5	4.8	5.7
Native white.....	40,214	13,020	17,932	23,983	59,726	16,075	8,658	1,135	11,175	25,754
Number illiterate.....	193	178	53	238	368	95	32	3	53	70
Per cent illiterate.....	0.4	1.3	0.3	1.0	0.6	0.6	0.4	0.3	0.5	0.3
Foreign-born white.....	14,137	3,266	10,811	8,189	20,897	5,053	1,688	301	2,774	6,716
Number illiterate.....	1,554	347	834	1,041	3,792	5,506	1,152	12	331	808
Per cent illiterate.....	11.0	10.6	7.7	12.7	18.1	10.0	6.0	4.0	11.9	12.0
Negro.....	366	38	129	182	282	38	69	1	240	356
Number illiterate.....	31	8	4	5	18	2	2	—	8	22
Per cent illiterate.....	8.5	—	3.1	2.7	6.4	—	—	—	3.3	6.2
Total 16 to 20 years, inclusive.....	5,511	1,642	2,329	2,832	7,752	1,792	1,007	110	1,269	4,885
Number illiterate.....	65	27	25	121	127	10	17	2	10	65
Per cent illiterate.....	1.2	1.6	1.1	4.3	1.6	0.6	1.7	1.8	0.8	1.3
Illiterate males 21 years of age and over.....	1,225	389	574	614	2,516	411	196	33	362	1,016
Per cent of all males 21 years of age and over.....	3.9	5.1	4.2	5.7	7.5	4.4	3.8	4.0	4.8	6.1
Native white.....	93	77	25	122	171	40	16	1	25	33
Foreign-born white.....	928	202	508	611	2,017	291	98	11	252	513
Negro.....	12	3	—	1	5	2	1	—	4	10
Illiterate females 21 years of age and over.....	736	268	352	446	2,085	339	164	20	188	397
Per cent of all females 21 years of age and over.....	3.3	4.2	3.5	3.5	6.5	4.1	5.0	4.6	4.3	4.0
Native white.....	80	38	15	102	158	45	16	1	20	25
Foreign-born white.....	570	137	307	306	1,674	207	50	1	75	256
Negro.....	19	5	4	3	13	—	—	—	4	11
<b>DWELLINGS AND FAMILIES.</b>										
Dwellings, number.....	17,689	5,650	8,711	9,955	23,912	7,499	3,571	599	4,862	8,566
Families, number.....	19,597	5,890	9,052	10,770	26,001	7,880	3,725	608	5,000	9,573



TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920—Continued.

[Per cent not shown where base is less than 100. For statistics of Indian, Chinese, and Japanese population, by counties, see supplemental table.]

SUBJECT.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>										
Total population.....	52,090	43,557	10,115	12,882	2,551	59,031	7,708	28,724	17,105	10,375
Male.....	27,428	23,656	6,101	7,101	1,855	32,046	4,613	15,167	9,659	6,192
Female.....	24,662	19,901	3,924	5,781	966	26,985	3,155	13,557	7,446	4,183
Native white.....	40,105	35,406	8,193	11,287	2,172	48,576	6,080	21,494	13,130	8,292
Male.....	20,219	18,517	4,725	6,065	1,307	25,711	3,357	10,964	7,039	4,654
Female.....	19,886	16,889	3,474	5,222	865	22,865	2,693	10,530	6,091	3,638
Native white—Native parentage.....	24,441	24,592	6,130	8,959	1,600	38,087	3,506	15,222	9,369	5,973
Native white—Foreign parentage.....	10,473	6,816	1,192	1,179	307	6,053	1,628	3,916	2,237	1,287
Native white—Mixed parentage.....	5,191	3,998	877	1,149	265	3,836	886	2,356	1,534	1,032
Foreign-born white.....	10,836	7,738	1,301	1,150	226	7,844	1,555	6,261	2,390	1,087
Male.....	6,617	4,637	1,000	739	186	5,147	1,133	3,567	1,611	794
Female.....	4,219	2,741	301	411	40	2,697	422	2,694	779	293
Negro.....	82	146	13	64	3	253	12	123	202	189
Male.....	51	80	7	29	2	122	10	49	113	101
Female.....	31	66	6	35	1	131	2	74	89	88
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	1,067	627	602	381	150	2,358	121	846	1,383	807
Per cent native white.....	77.0	81.3	81.1	87.6	85.1	82.3	78.3	74.3	76.8	79.9
Per cent foreign-born white.....	20.8	16.9	12.9	8.9	8.9	13.3	20.0	21.8	14.0	10.5
Per cent Negro.....	0.2	0.3	0.1	0.5	0.1	0.4	0.2	0.4	1.2	1.8
1910: Total population.....	48,394	22,522	6,328	11,401	3,301	35,440	9,979	18,347	13,926	10,042
Native white.....	36,702	18,205	5,326	9,464	2,488	30,210	7,411	14,064	10,734	7,593
Foreign-born white.....	10,405	3,834	686	1,345	415	3,940	2,287	3,068	1,884	1,316
Negro.....	43	89	10	91	8	150	14	64	280	203
Per cent native white.....	76.0	81.2	84.2	83.0	75.4	85.2	74.3	76.7	77.1	75.6
Per cent foreign-born white.....	21.5	17.0	10.8	11.8	12.6	11.1	22.9	16.7	13.5	13.1
Per cent Negro.....	0.1	0.4	0.2	0.8	0.2	0.5	0.1	0.3	2.0	2.0
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>										
Total under 7 years of age.....	5,981	6,016	1,227	1,537	307	8,626	829	4,634	2,250	1,169
Total 7 to 13 years, inclusive.....	6,818	5,917	1,122	1,568	319	8,022	901	3,821	1,956	1,073
Number attending school.....	6,367	5,509	1,036	1,532	200	7,599	873	3,557	1,857	993
Per cent attending school.....	93.4	93.1	92.3	97.7	90.9	94.7	98.9	93.9	94.9	92.5
Total 14 and 15 years.....	1,773	1,471	273	448	93	1,927	235	857	431	299
Number attending school.....	1,564	1,346	235	412	81	1,714	217	729	395	274
Per cent attending school.....	88.2	91.5	86.1	92.0	85.9	88.9	92.3	85.1	91.6	91.6
Total 16 and 17 years.....	1,704	1,454	281	464	85	1,807	238	903	415	285
Number attending school.....	947	861	150	293	50	1,021	137	467	232	157
Per cent attending school.....	55.6	59.2	53.4	63.1	58.8	56.5	57.6	51.7	55.9	55.1
Total 18 to 20 years, inclusive.....	2,232	1,941	447	610	100	2,817	323	1,281	753	463
Number attending school.....	447	453	73	155	16	514	65	290	179	69
Per cent attending school.....	20.0	23.3	16.3	25.4	16.0	18.2	17.0	22.5	23.8	14.9
Males 21 years of age and over.....	17,985	15,038	4,441	4,740	1,067	20,751	3,319	9,592	6,676	4,460
Native white—Native parentage.....	7,239	7,625	2,179	2,989	572	12,101	1,194	4,653	3,162	2,092
Native white—Foreign or mixed parentage.....	4,088	2,765	903	816	273	2,694	1,979	1,495	1,312	1,022
Foreign-born white.....	6,190	4,267	963	700	183	4,567	1,082	2,866	1,504	761
Naturalized.....	3,232	1,833	378	408	115	1,393	477	677	645	329
First papers.....	740	404	94	66	23	321	132	183	165	95
Alien.....	1,773	1,534	377	178	33	2,222	427	1,627	578	259
Unknown.....	426	496	114	48	12	81	46	379	116	78
Negro.....	33	52	7	20	-----	61	8	30	68	89
Indian, Chinese, Japanese, and all other.....	425	329	389	215	69	1,308	56	458	630	505
Females 21 years of age and over.....	15,597	11,720	2,324	3,515	550	15,081	1,923	7,716	4,624	2,626
Native white—Native parentage.....	7,175	6,491	1,427	2,333	307	10,154	740	4,171	2,546	1,446
Native white—Foreign or mixed parentage.....	4,189	2,622	546	712	176	2,224	765	1,395	1,066	759
Foreign-born white.....	4,008	2,457	262	381	37	2,244	388	1,950	702	273
Naturalized.....	2,314	1,373	135	260	33	942	235	475	395	164
First papers.....	28	16	2	5	-----	11	1	7	0	4
Alien.....	1,309	803	78	88	1	1,063	120	1,197	238	69
Unknown.....	357	265	47	28	3	228	32	271	60	36
Negro.....	20	38	5	23	1	81	3	53	50	52
Indian, Chinese, Japanese, and all other.....	205	112	84	66	29	378	28	147	260	96
Males 18 to 44 years, inclusive.....	10,441	9,888	2,818	2,095	551	14,430	1,848	6,501	4,175	2,719
Females 18 to 44, inclusive.....	9,028	8,475	1,638	2,252	372	11,315	1,228	5,878	3,164	1,882
<b>ILLITERACY.</b>										
Total 10 years of age and over.....	43,291	34,897	8,410	10,691	2,112	46,796	6,548	22,333	13,961	8,738
Number illiterate.....	1,633	1,009	457	155	41	1,588	246	2,182	514	302
Per cent illiterate.....	3.8	2.9	5.4	1.4	1.9	3.4	3.8	9.8	3.7	3.5
Per cent illiterate in 1910.....	4.3	2.6	5.7	3.1	7.5	3.0	5.6	6.9	2.0	8.0
Native white.....	31,717	27,086	6,613	9,176	1,752	37,143	4,891	15,812	10,443	6,819
Number illiterate.....	778	86	17	30	9	131	11	253	32	19
Per cent illiterate.....	2.5	0.3	0.3	0.3	0.5	0.4	0.2	1.6	0.3	0.3
Foreign-born white.....	10,729	7,219	1,286	1,135	226	7,581	1,544	5,738	2,371	1,072
Number illiterate.....	706	708	226	74	5	1,222	197	1,837	263	116
Per cent illiterate.....	6.6	11.1	17.6	6.5	2.2	16.1	12.8	32.0	11.1	10.8
Negro.....	68	116	13	59	3	213	12	109	153	161
Number illiterate.....	7	4	1	1	-----	16	-----	6	14	2
Per cent illiterate.....	-----	3.4	-----	-----	-----	7.5	-----	5.5	9.2	1.2
Total 16 to 20 years, inclusive.....	3,933	3,395	728	1,074	185	4,624	561	2,194	1,168	748
Number illiterate.....	167	31	21	4	2	75	7	150	16	13
Per cent illiterate.....	4.2	0.9	2.9	0.4	1.1	1.6	1.2	6.8	1.4	1.7
Illiterate males 21 years of age and over.....	680	635	364	89	21	1,021	145	1,029	290	216
Per cent of all males 21 years of age and over.....	3.8	4.2	8.2	1.9	1.9	4.9	4.4	10.8	4.3	4.8
Native white.....	244	50	10	12	3	64	6	106	16	7
Foreign-born white.....	361	506	172	49	3	808	121	867	152	85
Negro.....	2	2	-----	1	-----	7	-----	1	9	1
Illiterate females 21 years of age and over.....	642	327	69	58	15	465	94	934	200	70
Per cent of all females 21 years of age and over.....	4.1	2.8	3.0	1.7	2.7	3.1	4.9	12.1	4.3	2.7
Native white.....	253	25	3	13	4	52	4	111	11	9
Foreign-born white.....	325	265	37	22	2	337	71	790	103	24
Negro.....	2	2	1	-----	-----	8	-----	5	5	1
<b>DWELLINGS AND FAMILIES.</b>										
Dwellings, number.....	13,711	10,234	2,663	3,462	775	13,822	2,132	6,966	4,298	2,273
Families, number.....	14,233	10,919	2,725	3,585	804	14,835	2,198	7,389	4,560	2,588



TABLE 10.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR CITIES OF 10,000 OR MORE: 1920.

[Per cent not shown where base is less than 100.]

SUBJECT.	CITIES OF 25,000 OR MORE.											
	Alameda.	Berkeley.	Fresno.	Long Beach.	Los Angeles.	Oakland.	Pasadena.	Sacramento.	San Diego.	San Francisco.	San Jose.	Stockton.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>												
Total population.....	38,806	56,036	45,086	55,593	576,673	216,261	45,354	65,908	74,683	506,676	39,642	40,298
Male.....	14,055	26,232	23,629	28,153	285,175	111,954	19,861	34,529	36,773	272,703	19,342	21,722
Female.....	14,751	29,804	21,457	27,440	291,498	104,307	25,493	31,379	37,910	233,973	20,300	18,574
Native white.....	21,002	44,623	34,208	48,241	434,807	158,842	36,977	51,334	59,260	349,822	30,963	31,013
Male.....	10,401	20,293	17,311	22,414	208,043	78,430	16,106	25,537	28,294	177,067	14,506	15,785
Female.....	11,561	24,330	16,957	25,827	226,764	80,412	20,871	25,797	30,966	171,855	16,457	15,228
Native white—Native parentage.....	12,100	28,609	23,703	37,888	294,458	90,279	27,966	32,696	41,514	167,179	18,011	20,491
Native white—Foreign parentage.....	5,941	9,381	7,221	5,003	86,808	44,061	4,975	11,510	10,068	125,648	8,541	6,419
Native white—Mixed parentage.....	3,861	6,573	3,254	4,750	53,541	24,502	4,036	7,128	7,678	56,995	4,411	4,103
Foreign-born white.....	5,877	9,573	8,552	6,799	112,057	45,162	6,785	10,873	13,295	140,200	7,820	6,981
Male.....	3,110	4,831	4,866	3,413	60,188	25,492	2,911	6,542	7,155	82,918	4,265	4,275
Female.....	2,767	4,742	3,686	3,386	51,869	19,670	3,874	4,331	6,140	57,282	3,555	2,706
Negro.....	217	507	608	142	15,679	5,489	1,094	675	997	2,414	191	336
Male.....	103	234	242	63	7,389	3,029	485	365	488	1,362	79	173
Female.....	114	273	266	79	8,190	2,460	609	310	509	1,052	112	163
Indian, Chinese, Japanese, and all other (see Table 7).....	750	1,333	1,758	411	14,230	6,768	498	3,026	1,131	14,240	668	1,966
Per cent native white.....	76.2	79.6	76.0	86.8	75.4	73.4	81.5	77.9	79.3	69.0	78.1	77.0
Per cent foreign-born white.....	20.4	17.1	19.0	12.2	19.4	20.9	15.0	16.5	17.8	27.7	19.7	17.3
Per cent Negro.....	0.8	0.9	1.1	0.3	2.7	2.5	2.4	1.0	1.3	0.5	0.5	0.8
1910: Total population.....	23,383	40,434	24,802	17,809	319,198	150,174	30,291	44,696	39,578	416,912	28,946	23,253
Native white.....	16,887	31,342	17,570	15,612	244,723	105,134	24,893	32,820	31,099	269,140	22,235	17,406
Foreign-born white.....	5,555	7,653	5,445	1,942	60,584	36,822	4,297	8,885	7,866	130,874	5,817	4,478
Negro.....	211	247	250	100	7,599	3,055	744	486	597	1,642	182	196
Per cent native white.....	72.2	77.5	70.6	87.7	76.7	70.0	82.2	73.4	78.6	64.6	76.8	74.9
Per cent foreign-born white.....	23.8	18.9	21.9	10.9	19.0	24.5	14.2	19.9	18.6	31.4	20.1	19.3
Per cent Negro.....	0.0	0.6	1.0	0.6	2.4	2.0	2.5	1.1	1.5	0.4	0.6	0.8
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>												
Total under 7 years of age.....	3,406	5,802	5,543	4,669	54,395	23,334	3,938	7,285	7,342	46,181	4,310	4,284
Total 7 to 13 years, inclusive.....	3,327	6,099	5,132	5,091	53,823	22,817	4,222	6,781	6,976	45,876	4,736	4,114
Number attending school.....	3,212	5,786	4,893	4,784	51,115	21,914	4,009	6,472	6,515	42,293	4,553	3,968
Per cent attending school.....	96.5	94.9	95.3	94.0	95.0	96.0	95.0	95.4	93.4	92.2	96.1	96.5
Total 14 and 15 years.....	804	1,645	1,314	1,439	13,746	5,603	1,181	1,682	1,784	11,239	1,209	964
Number attending school.....	742	1,530	1,180	1,282	12,422	5,130	1,091	1,525	1,599	9,009	1,179	879
Per cent attending school.....	92.3	93.0	89.8	89.1	90.4	91.6	92.4	90.7	89.6	88.2	92.9	91.2
Total 16 and 17 years.....	809	1,735	1,419	1,419	14,405	5,740	1,138	1,855	1,802	13,026	1,238	1,075
Number attending school.....	491	1,209	712	958	7,785	3,155	799	1,030	1,023	6,000	741	558
Per cent attending school.....	60.7	69.7	50.2	67.5	54.0	55.0	70.2	55.5	56.7	50.7	59.9	51.9
Total 18 to 20 years, inclusive.....	1,177	2,855	2,271	2,335	25,069	9,558	1,727	3,138	3,073	24,127	1,883	1,752
Number attending school.....	333	1,363	460	684	5,230	2,136	600	586	705	5,260	583	297
Per cent attending school.....	28.3	47.7	20.3	29.3	20.9	22.3	34.7	18.7	22.9	21.8	31.0	17.0
Males 21 years of age and over.....	0,286	17,297	15,910	18,822	205,575	78,732	13,774	24,319	26,428	201,057	12,828	15,577
Native white—Native parentage.....	3,288	7,683	8,125	11,993	98,892	28,220	8,132	10,361	13,531	50,430	5,193	6,889
Native white—Foreign or mixed parentage.....	2,760	4,367	2,495	3,488	40,692	20,213	2,403	6,044	5,377	57,169	3,229	3,335
Foreign-born white.....	2,894	4,466	4,267	3,085	53,626	23,907	2,636	6,122	6,489	78,211	3,973	4,038
Naturalized.....	1,812	2,788	1,774	1,954	24,605	12,100	1,537	3,077	3,618	39,677	1,745	1,726
First papers.....	449	715	349	277	6,800	3,984	273	612	555	10,885	314	343
Alien.....	604	875	1,875	699	19,328	6,902	639	2,104	1,985	22,488	1,410	1,326
Unknown.....	69	90	260	155	2,803	831	187	329	331	5,161	504	643
Negro.....	61	157	174	53	5,285	2,387	315	294	369	1,098	54	129
Females 21 years of age and over.....	9,997	20,603	13,497	21,818	209,660	70,477	19,374	20,848	27,278	165,170	13,378	12,530
Native white—Native parentage.....	3,713	10,051	7,405	14,315	107,636	27,352	11,434	9,778	15,102	48,690	6,012	6,226
Native white—Foreign or mixed parentage.....	3,489	5,609	2,534	4,327	48,327	22,311	3,829	6,376	6,240	60,889	3,977	3,441
Foreign-born white.....	2,568	4,371	3,095	3,032	45,084	18,046	3,594	3,934	5,395	52,656	3,226	2,471
Naturalized.....	1,667	2,694	1,354	1,936	22,943	10,467	1,886	2,287	3,051	28,099	1,381	1,215
First papers.....	74	108	39	34	768	339	133	42	79	1,000	25	17
Alien.....	733	1,420	1,485	921	18,728	6,455	1,294	1,321	1,937	18,732	1,303	852
Unknown.....	94	149	217	141	2,645	785	281	284	328	4,825	517	387
Negro.....	66	196	162	60	5,828	1,788	436	217	363	818	68	129
Males 18 to 44 years, inclusive.....	6,242	11,898	11,527	10,145	137,583	54,261	7,645	16,671	14,924	143,204	7,796	10,263
Females 18 to 44 years, inclusive.....	6,663	13,744	10,674	12,018	141,205	50,079	10,415	15,343	16,413	121,042	8,668	8,822
<b>ILLITERACY.</b>												
Total 10 years of age and over.....	24,013	47,668	37,290	48,818	498,894	182,851	39,593	55,708	64,291	440,564	33,303	34,172
Number illiterate.....	319	497	1,749	266	10,203	4,638	232	1,296	1,008	8,520	1,653	911
Per cent illiterate.....	1.3	1.0	4.7	0.5	2.0	2.5	0.6	2.3	1.6	1.9	5.0	2.7
Per cent illiterate in 1910.....	1.1	1.4	6.1	0.5	1.9	3.0	1.2	1.4	1.6	2.1	3.2	2.7
Native white.....	17,534	36,711	27,142	41,794	365,618	127,754	31,634	42,044	49,589	287,855	24,889	25,411
Number illiterate.....	23	26	65	44	807	307	37	57	127	563	126	93
Per cent illiterate.....	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.5	0.4
Foreign-born white.....	5,781	9,434	8,319	6,581	108,684	44,575	6,622	10,705	12,918	138,475	7,728	6,874
Number illiterate.....	251	397	1,429	176	7,887	3,489	137	985	792	6,585	1,430	671
Per cent illiterate.....	4.3	4.2	17.2	2.7	7.3	7.8	2.1	9.2	6.1	4.8	18.5	9.8
Negro.....	106	431	423	128	13,524	4,847	926	596	652	2,176	160	291
Number illiterate.....	14	8	19	6	575	121	45	24	48	68	16	22
Per cent illiterate.....	8.4	1.9	4.5	4.7	4.3	2.5	4.9	4.0	5.6	3.1	10.0	7.6
Total 16 to 20 years, inclusive.....	1,986	4,590	3,690	3,754	39,474	15,298	2,865	4,993	4,875	37,153	3,121	2,827
Number illiterate.....	3	18	46	23	377	110	10	24	34	193	40	27
Per cent illiterate.....	0.2	0.4	1.2	0.6	1.0	0.8	0.3	0.5	0.7	0.5	1.3	1.0
Illiterate males 21 years of age and over.....	149	243	776	110	4,386	2,462	98	720	485	4,093	812	474
Per cent of all males 21 years of age and over.....	1.6	1.4	4.9	0.6	2.1	3.1	0.7	3.0	1.8	2.0	6.3	3.0
Native white.....	8	13	23	15	305	108	17	22	59	245	49	43
Foreign-born white.....	117	190	608	76	3,367	1,794	60	515	374	3,034	606	346
Negro.....	5	2	9	3	175	43	11	14	23	40	5	6
Illiterate females 21 years of age and over.....	162	231	917	119	5,298	2,028	117	545	475	4,167	789	401
Per cent of all females 21 years of age and over.....	1.6	1.1	6.8	0.5	2.5	2.9	0.6	2.6	1.7	2.5	5.9	3.2
Native white.....	7	8	32	17	374	152	12	27	55	236	59	47
Foreign-born white.....	134	191	786	79	4,185	1,614	69	451	385	3,427	701	296
Negro.....	9	6	10	3	393	74	34	10	25	26	11	16
<b>DWELLINGS AND FAMILIES.</b>												
Dwellings, number.....	7,191	12,936	9,493	12,758	125,004	47,297	11,712	13,779	18,532	90,132	9,391	8,470
Families, number.....	7,886	15,159	11,234	17,169	159,476	55,793	12,657	17,263	22,723	123,349	10,669	9,981



TABLE 10.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR CITIES OF 10,000 OR MORE: 1920—Contd.

[Per cent not shown where base is less than 100.]

SUBJECT.	CITIES OF 10,000 TO 25,000.												
	Bakers- field.	Eure- ka.	Glen- dale.	Pomo- na.	Rich- mond.	River- side.	San Bernar- dino.	Santa Ana.	Santa Bar- bara.	Santa Cruz.	Santa Mon- ica.	Vallejo.	Venice. <sup>1</sup>
COLOR OR RACE, NATIVITY, AND SEX.													
Total population.....	18,638	12,923	13,536	13,505	16,843	19,341	18,721	15,435	19,441	10,917	15,252	21,107	10,385
Male.....	9,958	6,767	6,354	6,471	9,378	9,390	9,555	7,385	9,312	5,170	7,082	13,828	4,851
Female.....	8,680	6,156	7,182	7,034	7,465	9,951	9,166	8,050	10,129	5,747	8,170	7,279	5,534
Native white.....	15,238	9,704	11,770	11,802	13,026	14,633	14,817	13,492	14,992	8,911	12,220	17,611	8,452
Male.....	7,819	4,817	5,456	5,649	6,941	6,909	7,425	6,314	6,935	4,038	5,618	11,443	3,909
Female.....	7,419	4,887	6,314	6,243	6,085	7,724	7,392	7,178	8,057	4,873	6,602	6,168	4,543
Native white—Native parentage.....	11,784	5,666	9,032	9,651	8,215	11,217	10,781	10,744	10,588	6,103	8,914	11,749	6,012
Native white—Foreign parentage.....	2,069	2,483	1,327	1,111	3,027	1,943	2,456	1,526	2,455	1,596	1,850	3,601	1,360
Native white—Mixed parentage.....	1,385	1,555	1,411	1,130	1,784	1,473	1,580	1,222	1,951	1,212	1,456	2,261	1,080
Foreign-born white.....	2,491	3,122	1,561	1,539	3,602	2,810	3,490	1,844	3,864	1,852	2,646	2,594	1,740
Male.....	1,505	1,902	782	787	2,277	1,495	1,899	994	1,900	1,023	1,263	1,700	829
Female.....	986	1,220	779	752	1,325	1,315	1,591	850	1,874	829	1,383	894	911
Negro.....	369	31	22	46	33	505	269	22	188	28	282	346	102
Male.....	221	19	9	17	17	220	138	11	80	19	127	207	47
Female.....	148	12	13	29	16	285	131	11	106	9	155	139	55
Indian, Chinese, Japanese, and all other.....	540	66	183	28	182	1,393	145	127	399	126	104	556	91
Per cent native white.....	81.8	75.1	87.0	88.1	77.3	75.7	79.1	87.1	77.1	81.6	80.1	83.4	81.4
Per cent foreign-born white.....	13.4	24.2	11.5	11.4	21.4	14.5	18.6	11.9	19.9	17.0	17.3	12.3	16.8
Per cent Negro.....	2.0	0.2	0.2	0.3	0.2	2.6	1.4	0.1	1.0	0.3	1.8	1.6	1.0
1910: Total population.....	12,727	11,845	2,746	10,207	6,802	15,212	12,779	8,429	11,659	11,146	7,847	11,340	3,119
Native white.....	10,150	8,200	2,424	9,235	5,009	11,340	10,195	7,492	9,373	9,005	6,321	8,857	2,524
Foreign-born white.....	1,734	3,600	282	882	1,640	2,166	2,243	884	1,793	1,959	1,248	2,035	536
Negro.....	262	19	27	20	20	421	177	38	77	58	191	224	33
Per cent native white.....	79.8	69.2	88.3	90.5	73.6	74.5	79.8	88.9	80.4	80.8	80.6	78.1	80.9
Per cent foreign-born white.....	13.6	30.4	10.3	8.6	24.1	14.2	17.6	10.5	15.4	17.6	15.9	17.9	17.2
Per cent Negro.....	2.1	0.2	0.3	0.3	0.4	2.8	1.4	0.5	0.7	0.5	2.4	2.0	1.1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.													
Total under 7 years of age.....	2,340	1,397	1,396	1,498	2,288	2,182	2,533	1,641	2,204	969	1,692	1,739	1,183
Total 7 to 13 years, inclusive.....	2,170	1,488	1,456	1,620	2,386	2,266	2,266	1,804	2,095	1,263	1,753	1,528	1,114
Number attending school.....	1,876	1,424	1,413	1,512	1,869	2,296	2,120	1,709	1,991	1,139	1,518	1,490	1,051
Per cent attending school.....	86.5	95.7	97.0	93.3	90.7	96.2	93.6	94.7	95.0	90.2	86.6	97.5	94.3
Total 14 and 15 years.....	540	379	366	463	445	670	557	514	501	312	396	398	246
Number attending school.....	465	353	347	429	418	638	466	453	456	309	354	354	221
Per cent attending school.....	86.1	93.1	94.8	92.7	93.9	95.2	83.7	88.1	91.0	90.4	89.4	88.9	89.8
Total 16 and 17 years.....	517	381	371	450	420	739	567	487	513	357	428	801	211
Number attending school.....	294	209	208	291	230	546	290	288	288	240	257	247	126
Per cent attending school.....	56.9	54.9	72.2	64.7	54.8	73.9	51.1	59.1	56.1	67.2	60.0	30.8	59.7
Total 18 to 20 years, inclusive.....	830	571	514	671	697	1,060	899	738	818	389	546	2,754	344
Number attending school.....	149	99	145	205	97	451	145	181	164	98	142	392	59
Per cent attending school.....	18.0	17.3	28.2	30.6	13.9	42.5	16.1	24.5	20.0	25.2	26.0	14.2	17.2
Males 21 years of age and over.....	6,823	4,712	4,287	4,111	6,511	5,983	6,194	4,800	6,290	3,608	4,639	8,970	3,308
Native white—Native parentage.....	3,055	1,787	2,647	2,803	2,841	3,397	3,405	3,203	3,117	1,772	2,507	4,390	1,793
Native white—Foreign or mixed parentage.....	1,028	1,069	843	654	1,389	881	1,090	780	1,085	770	879	2,428	673
Foreign-born white.....	1,348	1,829	720	635	2,157	1,265	1,527	835	1,790	982	1,116	1,613	756
Naturalized.....	553	952	399	266	973	549	531	308	746	567	639	1,133	441
First papers.....	157	246	82	39	460	71	95	42	228	87	95	190	100
Alien.....	450	400	186	258	693	561	832	374	691	258	326	221	172
Unknown.....	179	231	53	72	31	84	69	51	125	70	56	69	43
Negro.....	170	12	7	7	14	123	97	10	56	16	75	158	35
Females 21 years of age and over.....	5,418	3,995	5,146	4,692	4,550	6,321	5,705	5,441	7,020	3,989	5,798	4,917	3,979
Native white—Native parentage.....	3,460	1,664	3,279	3,223	2,143	3,870	3,213	3,753	3,760	2,161	3,215	2,216	2,151
Native white—Foreign or mixed parentage.....	981	1,153	1,107	856	1,173	1,073	1,139	972	1,462	1,030	1,239	1,711	977
Foreign-born white.....	825	1,151	702	597	1,202	1,074	1,236	681	1,663	773	1,212	847	796
Naturalized.....	423	700	446	282	680	488	475	343	709	447	658	698	463
First papers.....	9	16	12	7	6	8	12	6	68	3	19	5	10
Alien.....	291	269	190	260	472	510	682	288	787	235	461	106	263
Unknown.....	102	166	54	48	44	68	67	44	99	88	74	38	60
Negro.....	94	7	13	13	11	146	86	5	81	6	109	98	38
Males 18 to 44 years, inclusive.....	4,800	2,665	2,594	2,354	4,967	3,670	4,311	2,913	3,983	1,666	2,598	8,882	2,214
Females 18 to 44 years, inclusive.....	4,323	2,772	3,123	2,738	3,589	4,044	4,162	3,350	4,571	2,012	3,420	3,767	2,703
ILLITERACY.													
Total 10 years of age and over.....	15,311	10,879	11,523	11,346	13,706	16,155	15,157	13,056	16,282	9,449	12,803	18,715	8,707
Number illiterate.....	424	115	80	359	409	808	803	345	297	162	157	320	30
Per cent illiterate.....	2.8	1.1	0.7	3.2	3.0	5.0	5.3	2.6	1.8	1.7	1.2	1.7	0.3
Per cent illiterate in 1910.....	2.9	1.0	0.9	1.6	1.5	2.7	6.2	1.3	4.7	2.7	1.9	1.3	0.1
Native white.....	12,141	7,714	9,842	9,881	9,986	11,959	11,550	11,207	12,065	7,494	9,960	15,328	6,886
Number illiterate.....	94	20	21	67	8	58	39	76	88	29	50	20	15
Per cent illiterate.....	0.8	0.3	0.2	0.7	0.1	0.3	0.5	0.7	0.7	0.4	0.5	0.1	0.2
Foreign-born white.....	2,412	3,093	1,530	1,410	3,546	2,638	3,267	1,753	3,738	1,829	2,518	2,575	1,658
Number illiterate.....	276	35	35	285	319	512	702	259	186	120	70	141	14
Per cent illiterate.....	11.4	2.7	2.3	20.2	9.0	19.4	21.5	14.8	5.0	6.6	2.8	5.5	0.8
Negro.....	323	21	22	38	29	383	223	21	151	25	234	303	89
Number illiterate.....	6	1	1	6	1	25	11	5	5	5	20	19	.....
Per cent illiterate.....	1.9	.....	.....	.....	.....	6.5	4.9	.....	3.3	.....	8.5	6.3	.....
Total 16 to 20 years, inclusive.....	1,347	952	885	1,121	1,117	1,799	1,466	1,225	1,331	746	974	3,555	555
Number illiterate.....	42	3	3	30	15	63	49	26	11	.....	4	18	1
Per cent illiterate.....	3.1	0.3	0.3	2.7	1.3	3.5	3.3	2.1	0.8	.....	0.4	0.5	0.2
Illiterate males 21 years of age and over.....	215	64	34	153	235	392	332	144	152	83	62	217	10
Per cent of all males 21 years of age and over.....	3.2	1.4	0.8	3.7	3.6	6.6	5.4	3.0	2.4	2.3	1.3	2.4	0.3
Native white.....	38	9	6	28	3	18	22	27	41	11	16	10	5
Foreign-born white.....	141	50	18	123	163	241	290	113	95	66	27	92	4
Negro.....	3	.....	.....	2	.....	7	5	.....	.....	.....	7	8	.....
Illiterate females 21 years of age and over.....	146	45	40	160	157	345	396	163	126	78	85	81	16
Per cent of all females 21 years of age and over.....	2.7	1.1	0.8	3.4	3.5	5.5	6.9	3.0.					

<sup>1</sup> Name changed from Ocean Park since 1910.



## POPULATION—CALIFORNIA.

TABLE 11.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR PLACES OF 2,500 TO 10,000: 1920.

SUBJECT.	Alham- bra.	Ana- heim.	Beni- cia.	Braw- ley.	Bur- bank.	Burlin- game.	Calex- ico.	Chico.	Coal- inga.	Colton.	Corona.	Coro- nado.	Daly City.	Din- uba.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>														
Total population.....	9,006	5,526	2,693	5,369	2,913	4,107	6,223	9,339	2,934	4,282	4,129	3,289	3,779	3,400
Male.....	4,247	2,895	1,510	3,399	1,487	2,018	3,675	4,808	1,594	2,179	2,139	1,463	1,960	1,826
Female.....	4,849	2,661	1,183	1,990	1,426	2,089	2,548	4,531	1,340	2,103	1,990	1,826	1,819	1,574
Native white—Native parentage.....	5,906	2,883	870	2,570	1,756	1,826	2,487	6,710	2,196	2,408	2,093	1,802	1,116	2,532
Native white—Foreign or mixed parentage.....	1,920	1,370	1,089	912	600	1,307	950	1,570	472	924	830	708	1,540	338
Foreign-born white.....	1,139	1,005	720	1,563	444	842	2,287	803	234	907	1,191	672	1,101	226
Negro.....	44	11	2	98	.....	3	315	72	1	25	10	39	22	2
Indian, Chinese, Japanese, and all other.....	87	257	12	246	113	39	184	184	31	18	5	68	.....	302
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>														
Total under 7 years of age.....	981	756	309	740	361	574	917	993	410	673	662	364	523	484
Total 7 to 13 years, inclusive.....	1,085	789	309	550	408	510	687	1,070	376	647	591	337	608	488
Number attending school.....	1,043	749	303	480	389	491	561	1,049	360	614	569	314	570	465
Total 14 and 15 years.....	255	174	55	122	90	91	157	311	79	131	131	79	128	110
Number attending school.....	233	146	55	93	84	84	120	295	75	118	119	70	103	104
Total 16 to 20 years, inclusive.....	577	418	186	482	209	218	448	818	223	325	343	197	290	277
Number attending school.....	258	143	42	79	85	90	76	327	88	108	147	85	52	92
Males 21 years of age and over.....	2,796	1,712	1,082	2,355	978	1,331	2,597	3,237	1,036	1,204	1,281	958	1,155	1,128
Native white—Native parentage.....	1,672	850	281	1,100	553	512	1,120	2,101	715	730	622	459	296	750
Native white—Foreign or mixed parentage.....	550	352	329	283	163	389	255	562	170	187	150	166	321	102
Foreign-born white.....	513	433	458	757	219	413	940	439	132	365	501	277	533	100
Naturalized.....	312	227	202	92	106	244	101	253	57	68	78	153	303	28
Negro.....	15	2	1	50	.....	.....	168	28	.....	7	4	12	5	.....
Females 21 years of age and over.....	3,402	1,677	752	1,140	867	1,383	1,437	2,910	810	1,212	1,121	1,351	1,075	913
Native white—Native parentage.....	2,095	803	190	589	513	492	604	2,018	558	706	624	687	288	680
Native white—Foreign or mixed parentage.....	739	399	331	128	153	501	143	552	102	216	144	303	303	106
Foreign-born white.....	534	425	226	355	178	382	586	284	85	274	348	338	477	86
Naturalized.....	363	244	133	46	57	248	35	177	61	65	57	184	273	34
Negro.....	17	3	1	32	.....	1	73	24	1	.....	4	17	7	2
<b>ILLITERACY.</b>														
Total 10 years of age and over.....	7,651	4,413	2,265	4,362	2,371	3,313	5,011	7,889	2,333	3,346	3,194	2,771	2,992	2,699
Number illiterate.....	60	187	42	997	105	59	495	136	26	287	303	5	54	24
Native whites 10 years of age and over.....	6,432	3,273	1,541	2,642	1,867	2,456	2,574	6,871	2,073	2,454	2,107	2,031	1,888	2,247
Number illiterate.....	17	15	1	31	5	1	19	6	6	17	13	2	3	7
Foreign-born whites 10 years of age and over.....	1,107	956	710	1,414	426	823	2,000	792	231	827	1,074	654	1,087	211
Number illiterate.....	38	80	41	917	73	44	400	99	13	267	288	1	50	9
Illiterate males 21 years of age and over.....	26	99	32	516	36	52	231	68	13	138	135	1	19	8
Illiterate females 21 years of age and over.....	38	67	10	295	55	27	197	61	11	121	145	3	31	15
<b>DWELLINGS AND FAMILIES.</b>														
Dwellings, number.....	2,421	1,251	653	1,208	768	1,114	1,227	2,203	747	1,021	1,011	953	1,003	766
Families, number.....	2,591	1,426	716	1,263	831	1,162	1,466	2,462	825	1,136	1,085	1,011	1,036	857
SUBJECT.	Dans- mur.	East San Diego.	El Centro.	Fort Bragg.	Fuller- ton.	Gilroy.	Grass Valley.	Han- ford.	Hay- ward.	Hollis- ter.	Hunt- ington Park.	Ingle- wood.	Lind- say.	Lodi.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>														
Total population.....	2,528	4,148	5,464	2,616	4,415	2,662	4,006	5,688	3,487	2,781	4,513	3,288	2,576	4,850
Male.....	1,450	2,021	3,110	1,487	2,225	1,646	2,110	3,102	1,753	1,413	2,170	1,582	1,334	2,484
Female.....	1,078	2,127	2,354	1,129	2,190	1,216	1,896	2,786	1,729	1,368	2,343	1,704	1,242	2,366
Native white—Native parentage.....	1,700	2,484	3,717	888	3,006	1,385	1,518	3,363	1,117	1,471	3,052	2,125	2,036	2,562
Native white—Foreign or mixed parentage.....	488	902	810	916	859	639	1,591	1,217	1,359	788	931	674	333	1,347
Foreign-born white.....	279	673	548	760	517	600	867	864	996	452	528	466	175	780
Negro.....	9	68	330	4	18	8	2	105	1	33	.....	2	5	.....
Indian, Chinese, Japanese, and all other.....	52	21	59	48	15	230	58	339	14	37	2	10	27	161
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>														
Total under 7 years of age.....	370	511	653	355	620	323	457	819	468	321	500	395	393	621
Total 7 to 13 years, inclusive.....	293	481	564	365	562	325	521	789	459	353	509	436	336	581
Number attending school.....	261	450	496	339	530	301	492	734	432	347	557	410	321	579
Total 14 and 15 years.....	53	109	122	85	132	88	162	179	109	101	142	102	105	167
Number attending school.....	48	95	100	68	114	78	150	165	96	94	120	97	96	158
Total 16 to 20 years, inclusive.....	149	239	393	189	336	212	280	427	279	189	288	209	208	425
Number attending school.....	37	76	97	55	134	58	101	138	69	89	123	81	70	155
Males 21 years of age and over.....	1,000	1,350	2,208	973	1,429	1,165	1,360	1,963	1,095	922	1,405	1,030	805	1,588
Native white—Native parentage.....	608	772	1,367	288	907	440	326	1,062	291	408	888	607	606	731
Native white—Foreign or mixed parentage.....	186	232	343	180	285	187	521	251	353	218	262	187	85	343
Foreign-born white.....	172	311	321	462	230	382	482	433	437	265	255	227	97	433
Naturalized.....	52	208	116	183	67	155	271	154	173	140	140	144	46	257
Negro.....	4	23	144	4	3	3	2	33	1	11	.....	1	1	.....
Females 21 years of age and over.....	663	1,458	1,534	649	1,336	749	1,216	1,711	1,076	895	1,609	1,114	729	1,465
Native white—Native parentage.....	427	848	1,022	227	873	352	329	994	296	471	1,059	695	567	754
Native white—Foreign or mixed parentage.....	152	286	245	158	262	191	565	325	410	258	315	214	100	402
Foreign-born white.....	77	206	157	261	192	181	314	308	370	153	234	200	57	285
Naturalized.....	44	208	76	136	82	88	205	113	149	79	149	132	29	211
Negro.....	2	23	100	.....	6	.....	.....	34	.....	10	.....	1	1	.....
<b>ILLITERACY.</b>														
Total 10 years of age and over.....	2,002	3,424	4,539	2,068	3,536	2,394	3,342	4,706	2,829	2,313	3,772	2,712	2,029	4,001
Number illiterate.....	14	25	96	21	110	222	65	331	263	165	16	16	27	63
Native whites 10 years of age and over.....	1,683	2,700	3,685	1,286	3,028	1,608	2,446	3,524	1,850	1,814	3,252	2,242	1,836	3,120
Number illiterate.....	3	4	11	4	18	17	7	21	13	23	5	.....	8	18
Foreign-born whites 10 years of age and over.....	270	653	524	753	484	590	850	826	964	444	518	456	163	700
Number illiterate.....	8	14	71	17	91	153	42	245	249	128	11	14	19	44
Illiterate males 21 years of age and over.....	6	10	48	12	63	135	46	183	111	91	8	8	14	32
Illiterate females 21 years of age and over.....	7	13	27	7	40	81	18	133	142	70	7	7	11	29
<b>DWELLINGS AND FAMILIES.</b>														
Dwellings, number.....	635	1,374	1,307	586	1,094	578	1,028	1,425	871	743	1,217	914	615	1,125
Families, number.....	654	1,392	1,453	623	1,156	617	1,084	1,562	929	778	1,301	955	669	1,268



TABLE 11.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR PLACES OF 2,500 TO 10,000: 1920—Contd.

SUBJECT.	Madera.	Martinez.	Marysville.	Merced.	Mill Valley.	Modesto.	Monrovia.	Monterey.	Monterey Park.	Napa.	National City.	Needles.	Ontario.	Orange.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>														
Total population.....	3,444	3,858	5,461	3,974	2,554	9,241	5,460	5,479	4,108	6,757	3,116	2,907	7,280	4,884
Male.....	1,740	2,186	3,219	2,275	1,205	4,906	2,493	3,148	2,111	3,410	1,521	1,098	3,513	2,308
Female.....	1,704	1,672	2,242	1,699	1,349	4,335	2,967	2,331	1,997	3,347	1,595	1,809	3,737	2,576
Native white—Native parentage.....	2,105	1,543	2,973	2,033	1,209	6,344	3,304	2,155	2,439	3,515	1,926	1,451	4,930	3,320
Native white—Foreign or mixed parentage.....	751	1,287	1,223	979	823	1,745	1,131	1,520	817	2,017	642	330	1,204	982
Foreign-born white.....	504	1,001	1,578	828	469	985	1,779	1,106	549	1,156	496	657	959	578
Negro.....	55	11	185	91	1	133	42	2	2	15	7	49	11	3
Indian, Chinese, Japanese, and all other.....	29	16	502	103	47	73	43	650	301	54	45	320	26	1
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>														
Total under 7 years of age.....	551	530	539	473	278	1,035	528	722	684	771	359	329	776	497
Total 7 to 13 years, inclusive.....	483	466	509	440	329	1,001	611	604	493	751	351	272	836	563
Number attending school.....	473	454	484	408	306	962	505	532	465	726	326	76	735	534
Total 14 and 15 years.....	109	104	128	102	73	264	176	147	111	201	105	52	242	170
Number attending school.....	99	82	115	92	69	246	161	131	101	187	97	16	222	151
Total 16 to 20 years, inclusive.....	234	271	366	295	178	676	371	445	221	524	258	197	600	407
Number attending school.....	71	68	106	92	62	267	166	96	69	167	105	20	284	191
Males 21 years of age and over.....	1,081	1,468	2,391	1,578	805	3,398	1,702	2,159	1,356	2,298	998	1,252	2,393	1,557
Native white—Native parentage.....	612	618	1,082	668	326	2,117	992	797	734	1,623	572	633	1,500	981
Native white—Foreign or mixed parentage.....	192	328	515	317	212	634	307	383	231	625	178	109	347	331
Foreign-born white.....	237	606	391	503	246	571	340	635	280	606	225	350	436	283
Naturalized.....	19	6	76	16	.....	34	36	10	1	7	4	10	3	1
Negro.....	19	6	76	16	.....	34	36	10	1	7	4	10	3	1
Females 21 years of age and over.....	986	1,019	1,498	1,077	891	2,867	2,032	1,402	1,243	2,212	1,035	705	2,523	1,600
Native white—Native parentage.....	568	413	792	571	397	1,885	1,276	570	712	1,015	635	387	1,081	1,072
Native white—Foreign or mixed parentage.....	207	290	452	273	285	615	420	342	250	703	195	106	458	368
Foreign-born white.....	192	312	155	214	197	334	327	352	210	481	189	132	398	249
Naturalized.....	87	131	98	65	125	182	166	130	125	290	109	19	212	163
Negro.....	17	2	52	8	1	24	48	12	.....	7	2	13	3	1
<b>ILLITERACY.</b>														
Total 10 years of age and over.....	2,680	3,125	4,705	3,283	2,129	7,745	4,684	4,476	3,186	5,686	2,590	2,370	6,138	4,157
Number illiterate.....	64	251	118	147	13	146	52	305	43	48	114	168	176	48
Native whites 10 years of age and over.....	2,122	2,118	3,549	2,366	1,631	6,658	3,782	2,835	2,456	4,477	2,080	1,454	5,192	3,619
Number illiterate.....	12	9	4	7	1	21	4	29	14	7	21	11	27	8
Foreign-born whites 10 years of age and over.....	485	984	566	799	463	956	750	1,088	532	1,147	469	603	918	535
Number illiterate.....	48	236	36	123	12	98	46	187	21	35	83	72	140	40
Illiterate males 21 years of age and over.....	26	143	84	103	5	95	22	183	25	25	52	91	76	15
Illiterate females 21 years of age and over.....	35	104	30	35	8	50	26	111	16	21	49	60	73	26
<b>DWELLINGS AND FAMILIES.</b>														
Dwellings, number.....	822	807	1,077	897	728	2,036	1,476	1,279	1,111	1,675	862	594	1,892	1,303
Families, number.....	887	931	1,368	957	765	2,332	1,563	1,373	1,150	1,832	884	623	2,007	1,460
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>														
Total population.....	3,340	4,417	2,974	5,900	6,226	4,282	4,715	4,097	3,104	2,962	9,571	4,913	4,020	4,477
Male.....	1,818	2,326	1,281	2,738	3,094	1,921	2,728	2,132	1,639	1,551	4,542	2,473	2,086	2,589
Female.....	1,522	2,091	1,693	3,162	3,132	2,361	1,987	1,965	1,465	1,411	5,029	2,440	1,934	1,888
Native white—Native parentage.....	2,153	1,634	2,019	3,546	2,817	2,457	959	3,040	2,056	1,873	5,947	3,178	1,671	2,668
Native white—Foreign or mixed parentage.....	680	1,165	586	1,369	2,148	1,155	2,009	598	644	673	1,971	1,031	1,380	1,032
Foreign-born white.....	314	1,908	298	730	1,221	580	1,670	436	269	378	1,485	603	861	672
Negro.....	40	74	56	59	13	13	75	18	50	26	77	11	19	21
Indian, Chinese, Japanese, and all other.....	153	236	15	196	27	77	2	5	85	12	91	30	80	91
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>														
Total under 7 years of age.....	329	734	255	544	667	388	873	513	325	339	991	577	552	660
Total 7 to 13 years, inclusive.....	318	518	320	658	733	512	730	530	370	339	1,070	501	528	581
Number attending school.....	312	496	242	648	700	498	716	504	362	329	1,021	450	518	562
Total 14 and 15 years.....	97	110	96	186	178	131	157	110	106	89	298	132	134	103
Number attending school.....	92	91	90	181	163	126	121	97	99	82	269	97	124	93
Total 16 to 20 years, inclusive.....	234	309	179	600	432	306	311	289	257	233	740	300	280	274
Number attending school.....	95	107	95	356	130	213	32	107	129	76	365	101	106	88
Males 21 years of age and over.....	1,319	1,489	879	1,784	2,116	1,269	1,674	1,424	1,051	1,079	3,043	1,674	1,332	1,705
Native white—Native parentage.....	729	624	563	959	792	616	990	625	578	1,753	1,009	441	858	858
Native white—Foreign or mixed parentage.....	281	240	173	389	646	353	297	188	224	242	499	332	375	313
Foreign-born white.....	186	590	119	320	657	240	994	236	137	243	719	319	465	451
Naturalized.....	105	145	77	191	405	174	148	89	106	153	344	177	240	105
Negro.....	17	19	16	20	5	.....	38	6	13	10	28	5	4	8
Females 21 years of age and over.....	1,043	1,257	1,245	2,219	2,100	1,676	961	1,231	995	883	3,420	1,639	1,194	1,124
Native white—Native parentage.....	611	486	818	1,269	828	852	208	888	635	523	2,142	1,001	418	645
Native white—Foreign or mixed parentage.....	293	257	247	526	754	499	219	102	217	229	628	344	427	298
Foreign-born white.....	111	436	159	366	510	304	514	144	118	118	607	286	330	103
Naturalized.....	75	111	73	218	320	159	70	65	88	87	280	170	204	81
Negro.....	13	36	17	24	4	10	20	7	16	10	30	2	2	6
<b>ILLITERACY.</b>														
Total 10 years of age and over.....	2,889	3,446	2,578	5,097	5,248	3,687	3,498	3,350	2,618	2,475	8,110	4,071	3,330	3,490
Number illiterate.....	86	310	19	12	61	4	829	103	32	34	228	48	49	126
Native whites 10 years of age and over.....	2,384	2,003	2,230	4,164	4,005	3,026	1,796	2,909	2,235	2,062	6,543	3,365	2,305	2,736
Number illiterate.....	3	10	4	1	4	1	5	12	7	4	19	8	12	3
Foreign-born whites 10 years of age and over.....	310	1,199	293	725	1,213	571	1,633	421	264	378	1,436	647	845	690
Number illiterate.....	13	288	5	10	57	2	822	86	19	27	189	37	37	113
Illiterate males 21 years of age and over.....	72	140	12	7	31	3	499	60	15	18	100	22	23	83
Illiterate females 21 years of age and over.....	11	155	6	4	28	.....	320	29	14	16	104	24	26	40
<b>DWELLINGS AND FAMILIES.</b>														
Dwellings, number.....	833	1,073	960	1,473	1,693	1,031	909	996	881	778	2,613	1,275	1,008	1,114
Families, number.....	918	1,177	1,016	1,662	1,808	1,064	971	1,160	921	851	2,784	1,593	1,032	1,169



TABLE 11.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR PLACES OF 2,500 TO 10,000: 1920—Contd.

SUBJECT.	Salinas.	San Fernando.	San Gabriel.	San Leandro.	San Luis Obispo.	San Mateo.	San Rafael.	Sanger.	Santa Clara.	Santa Maria.	Santa Paula.	Santa Rosa.	Sausalito.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>													
Total population.....	4,308	3,204	2,640	5,703	5,895	5,979	5,512	2,578	5,220	3,943	3,967	8,758	2,790
Male.....	2,304	1,698	1,335	2,898	3,042	3,009	2,750	1,372	2,733	2,053	1,981	4,297	1,414
Female.....	2,004	1,506	1,305	2,805	2,853	2,970	2,762	1,206	2,487	1,890	1,986	4,461	1,376
Native white—Native parentage.....	1,979	1,576	946	1,656	3,549	2,278	2,009	1,096	1,525	2,365	1,907	4,891	1,115
Native white—Foreign or mixed parentage.....	1,240	648	746	2,106	1,509	2,036	2,028	448	2,082	972	913	2,247	973
Foreign-born white.....	713	909	770	1,800	751	1,373	1,352	413	1,539	551	1,071	1,465	658
Negro.....	26	1	11	1	3	55	7	12	10	1	4	12	3
Indian, Chinese, Japanese, and all other.....	350	70	167	50	83	237	136	9	14	54	72	143	41
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>													
Total under 7 years of age.....	484	471	517	831	707	784	604	396	722	527	633	938	322
Total 7 to 13 years, inclusive.....	472	403	427	747	730	790	710	396	712	512	579	1,016	310
Number attending school.....	463	394	411	711	716	757	660	384	679	503	548	978	284
Total 14 and 15 years.....	127	105	77	201	176	165	178	98	201	125	133	259	81
Number attending school.....	109	79	61	158	163	148	167	53	178	116	101	239	75
Total 16 to 20 years, inclusive.....	319	302	190	537	417	363	384	265	575	289	338	684	161
Number attending school.....	123	77	20	96	190	139	158	72	276	91	93	219	55
Males 21 years of age and over.....	1,610	1,039	743	1,734	2,041	1,958	1,764	758	1,554	1,355	1,171	2,857	986
Native white—Native parentage.....	550	477	270	382	1,053	625	513	488	371	722	573	1,454	340
Native white—Foreign or mixed parentage.....	405	151	119	491	488	514	528	67	463	288	140	541	274
Foreign-born white.....	411	378	300	831	443	691	639	197	708	314	418	784	344
Naturalized.....	253	40	35	275	273	372	309	45	202	123	60	422	222
Negro.....	10	1	3	1	17	1	2	2	1	1	1	6	2
Females 21 years of age and over.....	1,296	879	686	1,653	1,824	1,914	1,872	665	1,456	1,135	1,113	3,024	930
Native white—Native parentage.....	558	460	249	452	992	818	685	467	406	661	587	1,644	314
Native white—Foreign or mixed parentage.....	397	135	120	579	543	642	571	62	482	258	152	777	341
Foreign-born white.....	262	270	269	627	279	587	594	130	566	211	350	578	268
Naturalized.....	159	46	39	210	194	306	342	32	157	104	56	357	131
Negro.....	10	1	5	1	21	5	4	4	1	1	1	4	1
<b>ILLITERACY.</b>													
Total 10 years of age and over.....	3,609	2,636	1,918	4,550	4,849	4,801	4,614	2,019	4,188	3,198	3,076	7,409	2,341
Number illiterate.....	89	300	324	642	610	63	81	57	517	149	367	136	53
Native whites 10 years of age and over.....	2,623	1,648	1,090	2,760	4,030	3,228	3,172	1,610	2,621	2,005	2,047	5,835	1,600
Number illiterate.....	17	15	38	18	77	4	3	12	14	15	32	19	7
Foreign-born whites 10 years of age and over.....	693	830	702	1,748	742	1,354	1,317	391	1,552	548	985	1,447	641
Number illiterate.....	45	235	206	621	61	43	62	43	503	132	332	90	45
Illiterate males 21 years of age and over.....	56	135	146	310	61	25	40	26	252	81	144	64	22
Illiterate females 21 years of age and over.....	29	129	155	288	83	32	37	28	236	63	178	70	31
<b>DWELLINGS AND FAMILIES.</b>													
Dwellings, number.....	1,101	683	620	1,339	1,498	1,466	1,399	607	1,132	927	914	2,302	721
Families, number.....	1,157	775	657	1,426	1,607	1,526	1,490	636	1,205	1,004	975	2,512	774

SUBJECT.	Selma.	South Pasadena.	South San Francisco.	Taft.	Tulare.	Turlock.	Upland.	Ventura.	Visalia.	Watsonville.	Whittier.	Woodland.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>												
Total population.....	3,158	7,652	4,411	3,317	3,539	3,394	2,912	4,342	5,753	5,013	4,529	7,997
Male.....	1,605	3,405	2,801	1,862	1,795	1,718	1,468	2,144	2,992	2,613	2,282	3,902
Female.....	1,553	4,247	1,550	1,455	1,744	1,676	1,444	2,198	2,761	2,400	2,247	4,095
Native white—Native parentage.....	2,212	5,109	875	2,471	2,608	1,853	1,813	2,873	3,850	2,289	1,835	6,396
Native white—Foreign or mixed parentage.....	458	1,530	1,496	566	563	925	534	881	1,054	1,416	1,038	998
Foreign-born white.....	393	853	1,971	257	332	601	513	527	621	883	993	562
Negro.....	2	22	37	15	5	5	1	25	53	11	652	11
Indian, Chinese, Japanese, and all other.....	93	138	32	23	21	7	51	36	175	414	41	30
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>												
Total under 7 years of age.....	394	748	602	513	449	452	357	595	718	573	748	839
Total 7 to 13 years, inclusive.....	411	854	523	322	440	401	379	506	671	602	657	902
Number attending school.....	393	811	490	316	407	394	364	494	629	576	639	864
Total 14 and 15 years.....	113	219	101	63	120	115	106	132	176	147	140	255
Number attending school.....	106	204	88	61	93	109	93	120	154	138	132	238
Total 16 to 20 years, inclusive.....	283	475	299	204	293	269	267	382	427	402	324	602
Number attending school.....	109	284	59	57	79	108	131	192	157	141	66	270
Males 21 years of age and over.....	1,009	2,287	2,050	1,285	1,154	1,107	912	1,418	2,022	1,765	1,365	2,630
Native white—Native parentage.....	627	1,437	364	895	802	535	509	865	1,264	692	561	1,981
Native white—Foreign or mixed parentage.....	144	435	334	229	177	253	155	259	321	374	172	370
Foreign-born white.....	182	347	1,301	147	161	315	225	265	324	507	417	262
Naturalized.....	83	219	315	80	62	217	80	92	137	227	123	135
Negro.....	2	4	29	1	7	1	1	4	17	3	194	3
Females 21 years of age and over.....	948	3,069	827	930	1,077	1,050	891	1,309	1,739	1,523	1,295	2,769
Native white—Native parentage.....	678	1,910	166	654	781	512	564	876	1,171	672	515	2,144
Native white—Foreign or mixed parentage.....	129	660	179	186	160	292	159	256	310	434	200	384
Foreign-born white.....	129	449	478	88	126	243	160	169	206	322	366	233
Naturalized.....	68	242	152	66	68	183	69	65	85	107	133	162
Negro.....	16	16	3	4	4	1	1	6	17	3	218	27
<b>ILLITERACY.</b>												
Total 10 years of age and over.....	2,576	6,527	3,567	2,654	2,898	2,777	2,382	3,531	4,721	4,186	3,473	6,775
Number illiterate.....	103	6	129	15	55	19	108	168	198	254	232	57
Native whites 10 years of age and over.....	2,139	5,562	1,578	2,381	2,560	2,181	1,880	2,976	3,938	2,976	2,028	6,210
Number illiterate.....	18	1	2	2	9	2	6	81	22	17	8	16
Foreign-born whites 10 years of age and over.....	363	838	1,923	253	310	587	467	502	592	872	910	535
Number illiterate.....	82	2	123	9	42	17	100	78	105	185	169	38
Illiterate males 21 years of age and over.....	43	2	73	6	20	11	48	82	110	135	61	32
Illiterate females 21 years of age and over.....	39	3	55	4	32	8	39	79	76	113	132	21
<b>DWELLINGS AND FAMILIES.</b>												
Dwellings, number.....	779	1,865	866	875	792	825	726	1,037	1,297	1,255	1,197	2,037
Families, number.....	847	2,063	934	992	923	883	790	1,177	1,510	1,366	1,235	2,289



TABLE 12.—COUNTRY OF BIRTH OF THE FOREIGN-BORN WHITE, FOR COUNTIES AND FOR CITIES OF 10,000 OR MORE: 1920.

COUNTY OR CITY.	Total foreign-born white.	COUNTRY OF BIRTH.																	
		Armenia.	Atlantic Islands. <sup>1</sup>	Australia.	Austria.	Belgium.	Canada—French.	Canada—Other.	Central America.	Czechoslovakia.	Denmark.	England.	Finland.	France.	Germany.	Greece.	Hungary.	Ireland.	
COUNTIES.																			
The state.....	681,662	5,687	8,892	4,013	13,264	2,202	2,306	57,256	1,495	3,377	18,721	58,572	7,053	20,387	67,180	10,313	5,252	45,308	
Alameda.....	72,316	70	1,620	651	1,277	195	217	5,725	165	256	3,115	7,216	1,153	2,303	7,422	1,132	564	5,217	
Alpine.....	24																		
Amador.....	1,831	1	2	2	175	1	7	46		2	11	173	7	5	76	5	1	44	
Butte.....	2,979	2	143	9	58	8	30	372		26	91	316	17	48	385	159	19	176	
Calaveras.....	1,035		1	4	83	9	5	42		3	18	78	4	35	73	26	6	25	
Colusa.....	1,023	1	9	4	19		2	79	1	2	22	50	1	19	211	3	9	86	
Contra Costa.....	14,685	3	340	60	437	42	27	639	19	47	309	863	76	275	792	482	68	941	
Del Norte.....	414			1	2		1	24		5	14	11	23	2	30	17	1	24	
Eldorado.....	849		6	5	13	4	3	67		1	22	93	1	6	133	49	4	33	
Fresno.....	26,874	3,958	276	09	477	39	47	1,197	9	51	1,839	1,182	179	434	1,135	289	72	534	
Glenn.....	1,530		22	12	29	2	31	146	1	36	57	79	18	48	318	10	5	82	
Humboldt.....	8,783		89	33	209	3	29	1,350	2	87	509	261	827	85	515	75	15	458	
Imperial.....	8,917	11	24	16	71	37	13	372	7	47	56	193	9	82	237	146	30	119	
Inyo.....	937	1		2	10	3	4	144	1	2	18	136	3	40	95	16	1	98	
Kern.....	7,447	20	19	25	94	25	22	583	7	38	153	644	51	559	507	210	26	424	
Kings.....	3,883	63	873	8	7	6	4	170	1	2	43	184	2	55	103	23	3	98	
Lake.....	502		1	2	22		2	59		1	9	52	16	16	107	20	2	20	
Lassen.....	1,293	7	1	5	37	3	14	104	2	6	40	74	13	51	88	41	1	62	
Los Angeles.....	106,579	608	76	591	2,877	607	816	22,388	132	1,162	3,172	19,454	658	4,008	16,272	1,848	2,154	7,454	
Madera.....	2,074	40	8	3	28	4	5	127		4	42	97	24	55	127	21	8	68	
Marin.....	6,781	6	399	61	81	19	9	366	29	29	174	611	41	236	751	36	19	591	
Mariposa.....	332		4	2	9		1	32			7	39	1	16	35		2	20	
Mendocino.....	5,172	2	135	20	79	13	8	309	1	22	146	219	1,061	92	397	57	24	209	
Merced.....	6,441		258	10	31	6	9	214		11	164	185	26	115	254	39	16	152	
Modoc.....	330		2		1		5	33		1	11	46		38	41	5	2	50	
Mono.....	147			2	3		8	25			2	9		18	12		1	13	
Monterey.....	5,096	3	140	31	120	8	11	322	2	20	419	324	11	143	439	51	11	236	
Napa.....	4,491	3	25	42	116	19	14	249	3	6	133	338	36	171	745	43	24	414	
Nevada.....	2,107	1	5	19	49	1	10	131		2	25	833	14	37	150	9	9	138	
Orange.....	8,658	3		11	107	69	13	976		28	127	683	7	218	1,332	40	16	157	
Placer.....	3,098	34	18	10	62	7	14	192	2	24	83	239	134	58	197	166	20	140	
Plumas.....	1,126	1	1	10	34	6	18	100	2	5	15	79	16	22	92	50	3	137	
Riverside.....	8,544	12	2	15	58	27	13	997	2	40	89	578	15	188	389	52	24	155	
Sacramento.....	14,998	8	442	69	599	31	47	1,162	17	53	377	1,306	32	272	1,642	427	88	1,037	
San Benito.....	1,681		137	8	31	2	1	79	9	2	48	83	5	83	115	1	3	90	
San Bernardino.....	14,183	18	25	38	166	19	34	1,494	4	30	173	991	24	206	876	51	75	490	
San Diego.....	19,007	16	18	54	281	72	92	2,509	19	112	422	2,687	58	397	2,099	233	92	968	
San Francisco.....	140,200	234	178	1,633	3,694	548	346	6,737	944	757	3,389	10,107	1,810	6,908	18,513	3,204	1,390	18,257	
San Joaquin.....	14,373	23	244	62	291	55	63	872	5	36	409	766	62	330	1,480	305	45	723	
San Luis Obispo.....	3,325		412	11	20	6	9	240	4	29	153	274	10	61	325	29	7	191	
San Mateo.....	10,085	4	291	53	190	46	31	530	13	37	231	973	99	455	944	140	75	999	
Santa Barbara.....	8,455	7	371	21	62	29	15	682	6	42	342	830	22	238	485	78	13	474	
Santa Clara.....	21,181	9	537	99	399	54	55	1,458	45	110	509	1,585	97	699	1,710	87	57	1,158	
Santa Cruz.....	5,126		239	31	153	19	21	435	3	18	238	445	19	83	496	60	15	227	
Shasta.....	1,717		9	8	25	7	14	94		9	28	167	21	52	203	82	3	74	
Sierra.....	303		4	3	6		4	20		1	9	21	4	7	26			28	
Siskiyou.....	2,825		86	14	18	16	8	153	2	9	30	117	15	40	171	135	6	82	
Solano.....	6,797	1	434	40	92	18	34	444	6	23	222	462	64	124	614	342	27	662	
Sonoma.....	10,836	5	104	49	167	32	26	701	9	49	557	684	123	393	1,542	42	85	374	
Stanislaus.....	7,378	68	549	23	83	5	11	505	7	17	341	306	18	105	489	119	26	178	
Sutter.....	1,301		56	6	19	5	6	90	1	6	28	100	12	38	208	23	3	104	
Tehama.....	1,150	1	25	7	15		17	143		17	32	113	8	34	196	12	15	76	
Trinity.....	226		4				2	22		1	2	7		7	48	1	1	15	
Tulare.....	7,844	435	82	21	146	16	35	671	3	22	113	387	72	98	541	65	35	187	
Tuolumne.....	1,555	1	13	10	63	5	5	74	2	8	20	156	11	29	86	2	3	68	
Ventura.....	6,261	4	16	6	29	37	4	309	7	9	41	279	4	130	347	44	9	114	
Yolo.....	2,390	3	105	4	42	13	3	160		7	44	163	9	42	424	84	10	156	
Yuba.....	1,087		12	6	11	4	10	83		6	32	123	8	42	135	77	2	83	
CITIES.																			
Alameda.....	5,877	4	26	81	82	22	14	558	22	12	333	791	59	250	800	27	67	347	
Bakersfield.....	2,491	15	3	9	36	6	8	192	1	10	53	198	35	178	150	91	7	110	
Berkeley.....	9,573	11	65	139	101	32	13	1,134	48	52	357	1,336	648	315	1,040	63	66	677	
Eureka.....	3,122		4	20	47	2	14	728		37	91	119	467	21	150	31		207	
Fresno.....	8,552	1,273	25	36	174	8	25	496	5	17	360	507	10	155	418	138	23	213	
Glendale.....	1,561	17	3	14	10	18	8	409		14	36	255	4	34	194	4	0	73	
Long Beach.....	6,799	15	1	30	64	22	62	1,802	2	16	240	1,432	18	97	766	32	26	291	
Los Angeles.....	112,057	452	38	400	2,089	405	554	13,187	193	824	2,003	11,478	530	2,681	10,563	1,036	1,706	4,932	
Oakland.....	45,162	49	346	389	986	126	177	3,608	91	170	1,764	4,532	390	1,456	4,661	628	388	3,656	
Pasadena.....	6,785	32	4	26	66	12	14	1,497	11	52	141	1,217	25	116	797	67	47	447	
Pomona.....	1,539																		



TABLE 12.—COUNTRY OF BIRTH OF THE FOREIGN-BORN WHITE, FOR COUNTIES AND FOR CITIES OF 10,000 OR MORE: 1920—Continued.

COUNTY OR CITY.	COUNTRY OF BIRTH—continued.																		
	Italy.	Jugo-Slavia.	Mexico.	Netherlands.	Norway.	Pacific Islands.	Poland.	Portugal.	Rumania.	Russia.	Scotland.	South America.	Spain.	Sweden.	Switzerland.	Syria.	Wales.	All other countries.	
COUNTIES.																			
The state.....	88,502	7,277	86,610	4,592	11,460	1,656	7,082	24,517	2,403	27,224	16,597	2,391	11,123	31,925	16,097	1,259	3,433	6,236	
Alameda.....	7,599	918	1,575	453	1,750	300	649	7,880	124	1,402	2,009	352	1,576	4,124	1,135	86	879	542	
Alpine.....	1				1								3		3		1		
Amador.....	644	203	77	3	8	3	2	22		7		13	1	170	14	56	15	4	
Butte.....	160	5	134	9	33	4	24	220		45	78	12	133	141	70	1	20	27	
Calaveras.....	349	57	65		6	2		2	3	3	11	6	44	13	43	2	5	10	
Colusa.....	64	8	190	23	13	3	3	59		9	15	1	30	29	40	5	7	6	
Contra Costa.....	4,576	131	733	102	186	16	76	1,459	10	167	250	54	371	656	256	12	88	62	
Del Norte.....	48			2	1		6	66		14	5		1	21	75			20	
Eldorado.....	114	11	32	6	10		5	15		11	11	2	27	24	125	1	8	6	
Fresno.....	2,694	370	3,102	136	177	18	94	704	35	4,295	355	56	517	1,604	290	110	42	428	
Glenn.....	80	7	104	12	58	6	3	63	4	35	22	4	31	126	53	1	5	14	
Humboldt.....	1,331	180	52	46	492	18	81	499	7	79	91	28	15	692	513	7	26	70	
Imperial.....	133	12	6,414	67	25	4	36	99	7	39	64	13	79	90	245	60	19	41	
Inyo.....	58	6	122	2	17		2	2		5	30	1	34	35	22	1	13	7	
Kern.....	657	71	1,856	32	63	7	44	93	19	373	153	20	196	180	188	23	21	44	
Kings.....	257	19	689	229	14	2	5	715	1	46	42	13	42	89	50	2	2	21	
Lake.....	23	4	2	1	9	4	4	2	4		23		2	50	22		2	16	
Lassen.....	202	10	72	16	34	3	8	7	1	24	25	4	155	101	60	2	6	14	
Los Angeles.....	9,650	1,696	33,644	1,303	2,609	278	2,657	272	1,039	10,906	4,528	339	1,176	7,509	2,001	408	1,011	1,775	
Madera.....	590	17	387	20	30	2	10	74	2	65	45	12	27	54	58		11	9	
Marin.....	1,455	37	284	45	82	17	32	293	14	56	155	35	19	247	471	7	28	46	
Mariposa.....	49	5	36	2	2		2	8		1	6	2	17	17	6			2	
Mendocino.....	1,288	21	70	24	127	5	29	138	3	71	77	18	23	297	155	4	7	21	
Merced.....	1,301	16	658	18	59	4	8	2,010	1	32	69	19	79	422	149	20	12	24	
Modoc.....	3	1		2	4		4			1	18		20	25	11	3		1	
Mono.....	10	1	2	2	2		1				4		19	2	11				
Monterey.....	818	83	332	10	34	11	21	206	2	27	142	15	214	159	652	4	15	60	
Napa.....	1,084	14	53	14	72	12	18	101	7	46	80	16	24	180	357		13	19	
Nevada.....	470	40	13	4	20	12	6	13		12	30	4	11	38	54	1	22	9	
Orange.....	138	22	3,094	69	63	7	60	17	5	123	143	18	113	191	108	6	43	45	
Placer.....	711	24	225	5	36	5	0	230	4	24	51	7	148	113	68		23	15	
Plumas.....	134	28	57	3	34	3	4	3		16	30	6	24	80	89	8	7	3	
Riverside.....	269	17	4,628	26	75	10	31	22	8	50	196	10	38	325	88	31	22	42	
Sacramento.....	2,539	287	850	91	200	49	105	918	40	283	332	45	150	649	593	20	60	79	
San Benito.....	235	40	109	5	12	7	3	110	2	9	19	2	223	31	102			15	
San Bernardino.....	547	36	7,165	173	116	18	79	97	15	203	244	17	121	442	153	19	46	68	
San Diego.....	935	107	4,104	112	402	21	155	118	35	476	626	52	92	1,009	300	26	154	184	
San Francisco.....	23,924	1,320	3,793	788	3,121	549	2,152	816	765	5,752	3,569	871	2,560	6,468	2,806	216	445	1,696	
San Joaquin.....	3,454	60	1,310	145	153	13	114	526	136	845	217	64	231	710	419	52	37	110	
San Luis Obispo.....	231	12	221	17	31	6	12	167		25	58	8	25	178	511	4	14	15	
San Mateo.....	3,494	66	135	49	104	16	62	373	24	161	375	32	127	438	323	2	28	65	
Santa Barbara.....	1,010	19	1,803	26	124	7	26	326	6	58	408	16	190	231	402	4	28	49	
Santa Clara.....	6,285	473	319	110	141	48	75	2,003	13	150	338	80	731	925	641	32	69	119	
Santa Cruz.....	1,182	520	42	35	60	13	13	190	3	20	105	12	87	136	142	3	16	42	
Shasta.....	408	5	144	1	41	2	15	25	2	45	31	4	68	72	35	5	11	7	
Sierra.....	80	6	3		4	6	1	7		1	4		2	9	39		8		
Siskiyou.....	1,376	2	139	5	33		6	102	2	8	26	10		90	100	2	9	13	
Solano.....	855	23	61	19	138	15	59	532	15	123	191	21	599	262	200	2	28	45	
Sonoma.....	2,843	29	80	48	171	31	112	330	24	276	231	28	71	427	879	10	30	74	
Stanislaus.....	479	7	497	62	223	6	22	1,108	7	108	96	12	71	1,283	405	17	27	99	
Sutter.....	70	11	126	16	35	1	7	32		54	33	2	21	81	90	2	4	11	
Tohama.....	50	2	93	3	45	6	9	66		8	22	3	14	57	45		8	9	
Trinity.....	39	3	4				5			3	8	1	4	15	4		3	3	
Tulare.....	538	140	1,746	54	71	13	54	1,036	4	448	111	19	40	408	128	20	19	66	
Tuolumne.....	423	47	170	26	23	3	7	35		14	28	7	85	97	22		5	7	
Ventura.....	193	20	4,079	23	32	4	23	101	3	32	82	7	112	69	58	1	5	23	
Yolo.....	392	5	103	30	14	2	13	142	2	111	44	5	134	72	122	1	3	16	
Yuba.....	34	3	87	8	14	5	11	63	1	27	28	5	38	46	54	1	15	13	
CITIES.																			
Alameda.....	726	11	90	58	190	46	32	120	5	98	360	24	8	477	69		24	44	
Bakersfield.....	239	7	719	10	10	1	13	25	9	88	44	0	21	53	52	20	9	16	
Berkeley.....	704	16	261	53	288	89	84	226	18	193	350	71	18	673	204	4	46	148	
Eureka.....	273	72	6	20	280	6	37	18	2	40	44		2	246	97	2	14	14	
Fresno.....	1,190	108	948	35	53	9	27	118	14	1,328	143	12	67	283	43	26	21	238	
Glendale.....	93	9	97	14	35	2	14		3	33	74	1	3	55	14		5	7	
Long Beach.....	41	46	451	62	203	9	44	2	12	144	286	8	8	332	81	3	85	66	
Los Angeles.....	7,930	1,453	21,598	797	1,669	209	2,205	144	927	9,691	2,802	273	810	4,998	1,303	346	657	1,264	
Oakland.....	5,094	866	1,026	309	1,163	200	503	4,281	96	1,082	1,700	215	495	2,663	631	75	766	300	
Pasadena.....	75	13	487	103	166	5	47	4	10	148	308	5	9	575	101	3	66	89	
Pomona.....	3	5	638	5	17		7		2	32	42		6	40	13		8	11</	



**TABLE 13.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR ASSEMBLY DISTRICTS OF CITIES OF 50,000 OR MORE: 1920.**

SUBJECT.	LOS ANGELES.													
	THE CITY.	ASSEMBLY DISTRICT.												
		61 <sup>1</sup>	62 <sup>1</sup>	63	64	65	66	69 <sup>1</sup>	70 <sup>1</sup>	71 <sup>1</sup>	72	73	74	75
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>														
<b>Total population</b> .....	576,673	41,160	9,816	89,324	63,783	41,429	49,560	2,520	2	63,233	66,939	50,439	44,268	54,200
Male.....	285,175	20,402	4,990	39,703	30,118	20,766	24,052	1,233	1	33,524	30,418	24,599	25,334	24,035
Female.....	291,498	20,758	4,826	49,621	33,665	20,663	25,508	1,287	1	29,709	36,521	25,840	18,934	30,165
<b>Native white</b> .....	434,807	33,229	8,037	74,295	49,185	19,128	36,990	2,049	2	48,562	55,016	37,919	26,044	44,342
Male.....	208,043	16,034	3,920	32,591	22,259	12,114	17,545	901	1	25,066	24,776	18,432	15,091	19,223
Female.....	226,764	17,195	4,117	41,704	26,926	7,014	19,445	1,058	1	23,496	30,240	19,487	10,953	25,119
Native white—Native parentage.....	294,458	23,598	6,210	53,299	33,229	9,075	23,000	1,457	2	32,896	39,041	24,883	16,461	31,262
Native white—Foreign parentage.....	89,808	5,570	964	11,585	10,051	8,057	9,449	342	.....	9,546	8,723	8,290	6,655	7,576
Native white—Mixed parentage.....	59,541	4,061	857	9,411	5,905	1,996	4,541	250	.....	6,120	7,252	4,746	2,928	5,474
<b>Foreign-born white</b> .....	112,057	7,030	1,167	11,968	13,109	17,104	11,545	433	.....	11,953	9,366	8,954	10,335	9,093
Male.....	60,183	3,207	637	5,420	6,962	10,966	5,995	219	.....	6,854	4,429	4,476	6,091	4,316
Female.....	51,869	3,823	530	6,548	6,147	6,138	5,550	214	.....	5,099	4,937	4,478	4,244	4,777
<b>Negro</b> .....	15,579	154	44	624	616	401	823	10	.....	875	2,002	3,445	6,251	123
Male.....	7,389	73	10	366	295	236	404	9	.....	423	875	1,556	3,082	46
Female.....	8,190	81	25	558	321	165	424	7	.....	447	1,127	1,789	3,169	77
Indian, Chinese, Japanese, and all other.....	14,230	747	593	2,137	873	4,796	188	22	.....	1,843	555	221	1,638	642
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>														
<b>Total under 7 years of age</b> .....	54,395	4,929	904	7,944	3,770	5,055	6,116	320	.....	7,897	5,953	5,334	3,952	2,212
Total 7 to 13 years, inclusive.....	53,823	4,900	916	8,044	4,043	4,085	6,437	306	.....	6,877	6,151	5,524	3,507	3,033
Number attending school.....	51,115	4,671	867	7,662	3,667	3,820	6,150	297	.....	6,642	5,839	5,336	3,325	2,789
Total 14 and 15 years.....	13,746	1,209	231	2,204	1,070	832	1,524	69	.....	1,533	1,722	1,442	910	940
Number attending school.....	12,422	1,104	197	2,065	896	724	1,387	58	.....	1,438	1,598	1,318	789	848
Total 16 and 17 years.....	14,405	1,098	223	2,263	1,273	912	1,487	71	.....	1,557	1,810	1,518	1,020	1,104
Number attending school.....	7,785	557	146	2,645	567	318	707	36	.....	736	2,261	1,690	413	670
Total 18 to 20 years, inclusive.....	25,069	1,670	364	2,669	1,902	2,247	82	.....	2,879	2,882	2,410	2,034	2,385	601
Number attending school.....	5,230	320	101	1,305	500	228	317	19	.....	343	901	350	245	601
<b>Males 21 years of age and over</b> .....	205,575	13,585	3,724	28,083	23,914	20,085	15,534	785	1	22,679	21,573	16,537	19,618	19,457
Native white—Native parentage.....	98,892	7,195	2,182	15,767	11,828	5,202	6,925	421	1	10,890	11,839	7,919	7,838	10,835
Native white—Foreign or mixed parentage.....	40,692	2,628	610	6,104	5,017	2,700	3,097	155	.....	4,409	4,787	3,425	3,422	4,348
Foreign-born white.....	53,626	3,364	594	5,036	6,396	9,137	5,215	194	.....	6,247	4,059	4,067	5,368	3,899
Naturalized.....	24,605	1,489	351	3,107	3,116	1,908	2,394	81	.....	2,939	2,703	2,400	1,910	2,117
Negro.....	5,285	52	16	282	192	192	242	5	.....	280	622	1,039	2,324	39
<b>Females 21 years of age and over</b> .....	209,660	13,769	3,454	37,221	27,044	8,528	16,215	878	1	19,721	26,850	17,674	13,227	25,069
Native white—Native parentage.....	107,636	7,886	2,206	21,104	14,665	1,932	7,614	471	1	9,823	14,629	8,340	4,777	14,183
Native white—Foreign or mixed parentage.....	48,327	2,878	653	6,150	6,496	1,142	3,583	209	.....	4,645	6,784	4,080	2,349	6,358
Foreign-born white.....	45,084	2,801	486	6,057	5,600	4,497	4,726	187	.....	4,517	4,517	3,997	3,448	4,351
Naturalized.....	22,943	1,524	289	3,447	2,795	776	2,416	84	.....	2,559	2,897	2,531	1,283	2,342
Negro.....	5,828	61	19	453	208	122	256	6	.....	306	797	1,213	2,333	64
<b>Males 18 to 44 years, inclusive</b> .....	137,583	9,027	1,935	17,514	16,018	13,650	10,476	528	.....	16,514	14,022	11,409	13,431	13,059
Females 18 to 44 years, inclusive.....	141,205	9,055	1,895	23,334	17,964	6,904	11,219	582	.....	14,274	17,648	12,275	9,757	15,798
<b>ILLITERACY.</b>														
<b>Total 10 years of age and over</b> .....	498,894	34,058	8,530	77,875	58,337	34,470	40,615	2,064	2	52,263	58,356	42,734	38,796	50,794
Number illiterate.....	10,203	644	367	382	683	3,430	910	29	.....	1,223	183	502	1,000	166
Native white.....	365,618	26,852	6,862	63,738	44,268	14,081	28,639	1,610	2	38,498	47,088	30,974	22,051	41,225
Number illiterate.....	837	70	38	86	91	109	92	7	.....	107	26	49	116	16
Foreign-born white.....	108,684	6,800	1,149	11,774	12,854	16,071	11,164	423	.....	11,620	9,163	8,783	9,941	8,942
Number illiterate.....	7,887	539	56	151	517	3,080	703	20	.....	965	97	410	1,128	122
Negro.....	13,524	135	38	837	501	368	690	14	.....	721	1,715	2,814	5,573	118
Number illiterate.....	575	10	4	39	19	16	23	2	.....	37	49	83	288	5
<b>Total 16 to 20 years, inclusive</b> .....	39,474	2,768	587	5,828	3,942	2,844	3,734	153	.....	4,466	4,681	3,928	3,054	3,489
Number illiterate.....	377	43	26	8	17	133	37	.....	50	4	5	44	10	10
<b>Illiterate males 21 years of age and over</b> .....	4,386	305	236	140	271	1,581	385	9	.....	540	53	176	646	44
Native white.....	305	27	14	37	35	43	37	.....	41	10	18	40	3	3
Foreign-born white.....	3,367	262	26	45	197	1,380	332	9	.....	450	25	133	483	25
Negro.....	175	4	2	13	9	8	9	.....	11	13	18	87	1	1
<b>Illiterate females 21 years of age and over</b> .....	5,298	275	94	222	389	1,688	486	20	.....	617	124	377	896	110
Native white.....	374	27	12	37	45	50	45	7	.....	45	13	26	58	9
Foreign-born white.....	4,185	231	28	101	312	1,555	427	11	.....	473	69	283	605	90
Negro.....	393	6	2	26	10	8	13	2	.....	28	36	65	195	4
<b>DWELLINGS AND FAMILIES.</b>														
Dwellings, number.....	125,004	10,362	2,793	22,402	9,177	5,792	11,539	714	2	15,800	17,474	12,641	7,658	8,650
Families, number.....	159,476	11,540	3,195	25,774	19,609	7,620	13,006	731	2	17,294	19,141	14,643	10,928	15,993
<b>COUNTRY OF BIRTH OF FOREIGN-BORN WHITE.</b>														
Austria.....	2,089	81	14	101	336	209	389	7	.....	235	161	196	151	119
Canada.....	13,741	980	201	2,443	1,989	439	934	57	.....	1,217	2,027	954	673	1,821
Denmark.....	2,003	133	31	252	178	143	140	6	.....	352	229	183	137	219
England.....	11,478	846	206	1,986	1,598	456	1,018	77	.....	1,121	1,373	907	613	1,277
France.....	2,681	151	34	363	260	327	356	11	.....	277	205	239	255	193
Germany.....	10,563	628	151	1,484	1,177	696	863	48	.....	1,224	1,159	1,136	969	1,028
Greece.....	1,036	17	9	30	150	229	49	1	.....	105	28	39	322	57
Hungary.....	1,706	67	7	188	187	173	192	2	.....	225	176	174	222	93
Ireland.....	4,932	284	89	646	546	426	516	18	.....	648	477	364	385	533
Italy.....	7,930	828	54	248	717	2,257	872	40	.....	1,068	195	723	768	170
Jugo-Slavia.....	1,453	79	13	52	297	262	87	.....	.....	483	55	48	57	20
Mexico.....	21,598	1,495	76	457	1,325	8,651	1,941	45	.....	1,767	471	554	3,577	1,239
Norway.....	1,669	90	28	248	197	102	95	14	.....	349	185	112	105	144
Poland.....	2,205	127	8	211	433	119	250	1	.....	192	188	322	151	203
Russia.....	9,691	206	16	719	1,763	1,335	2,437	8	.....	467	615	1,411	391	423
Scotland.....	2,802	206	65	501	343	107	250	18	.....	294	346	200	180	292
Sweden.....	4,998	254	52	804	509	234	286	13	.....	800	715	440	351	510
Switzerland.....	1,303	113	24	173	162	101	122	4	.....	147	106	91	140	120
All other countries.....	8,179	409	89	907	942	838	748	63	.....	982	755	891	893	627

<sup>1</sup> Part of assembly district; remainder outside city.



TABLE 13.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR ASSEMBLY DISTRICTS OF CITIES OF 50,000 OR MORE: 1920—Continued.

SUBJECT.	SACRAMENTO.			SUBJECT.	SACRAMENTO.		
	THE CITY.	ASSEMBLY DISTRICT.			THE CITY.	ASSEMBLY DISTRICT.	
		14	15			14	15
COLOR OR RACE, NATIVITY, AND SEX.							
Total population.....	65,908	34,098	31,810	Total 16 to 20 years, inclusive.....	4,993	2,565	2,428
Male.....	34,529	18,185	16,344	Number illiterate.....	24	8	16
Female.....	31,379	15,913	15,466	Illiterate males 21 years of age and over.....	720	330	390
Native white.....	51,334	27,848	23,486	Native white.....	22	16	6
Male.....	25,537	14,256	11,281	Foreign-born white.....	515	242	273
Female.....	25,797	13,592	12,205	Negro.....	14	4	10
Native white—Native parentage.....	32,696	18,403	14,293	Illiterate females 21 years of age and over.....	545	269	276
Native white—Foreign parentage.....	11,510	5,718	5,792	Native white.....	27	18	9
Native white—Mixed parentage.....	7,128	3,727	3,401	Foreign-born white.....	451	218	233
Foreign-born white.....	10,873	5,210	5,663	Negro.....	10	3	7
Male.....	6,542	3,163	3,380	DWELLINGS AND FAMILIES.			
Female.....	4,331	2,048	2,283	Dwellings, number.....	13,779	7,078	6,701
Negro.....	675	246	429	Families, number.....	17,263	8,860	8,403
Male.....	365	123	242	COUNTRY OF BIRTH OF FOREIGN-BORN WHITE.			
Female.....	310	123	187	Atlantic Islands.....	1,277	33	244
Indian, Chinese, Japanese, and all other.....	3,026	794	2,232	Australia.....	56	27	29
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.				Austria.....	495	122	373
Total under 7 years of age.....	7,285	3,655	3,630	Canada.....	928	520	408
Total 7 to 13 years, inclusive.....	6,781	3,501	3,280	Denmark.....	247	154	93
Number attending school.....	6,472	3,378	3,094	England.....	1,133	658	475
Total 14 and 15 years.....	1,682	836	846	Finland.....	21	13	8
Number attending school.....	1,525	767	758	France.....	203	99	104
Total 16 and 17 years.....	1,855	942	913	Germany.....	1,198	621	577
Number attending school.....	1,030	524	506	Greece.....	368	137	231
Total 18 to 20 years, inclusive.....	3,138	1,623	1,515	Hungary.....	67	27	40
Number attending school.....	586	307	279	Ireland.....	887	462	425
Males 21 years of age and over.....	24,319	12,911	11,408	Italy.....	1,897	1,030	867
Native white—Native parentage.....	10,361	6,096	4,265	Jugo-Slavia.....	266	50	216
Native white—Foreign or mixed parentage.....	6,044	3,238	2,806	Mexico.....	483	156	327
Foreign-born white.....	6,122	2,987	3,135	Norway.....	124	74	50
Naturalized.....	3,077	1,607	1,470	Poland.....	79	41	38
Negro.....	294	93	201	Portugal.....	497	67	430
Females 21 years of age and over.....	20,848	10,630	10,218	Russia.....	201	90	111
Native white—Native parentage.....	9,778	5,426	4,352	Scotland.....	243	144	99
Native white—Foreign or mixed parentage.....	6,376	3,182	3,194	Spain.....	87	51	36
Foreign-born white.....	3,934	1,865	2,069	Sweden.....	383	236	147
Naturalized.....	2,287	1,109	1,178	Switzerland.....	390	226	164
Negro.....	217	80	137	All other countries.....	343	172	171
Males 18 to 44 years, inclusive.....	16,671	8,649	8,022				
Females 18 to 44 years, inclusive.....	15,343	7,723	7,620				
ILLITERACY.							
Total 10 years of age and over.....	55,708	28,989	26,719				
Number illiterate.....	1,296	608	688				
Native white.....	42,044	22,953	19,091				
Number illiterate.....	57	37	20				
Foreign-born white.....	10,705	5,144	5,561				
Number illiterate.....	985	465	520				
Negro.....	590	213	383				
Number illiterate.....	24	7	17				

<sup>1</sup> Includes 242 persons born in the Azores.

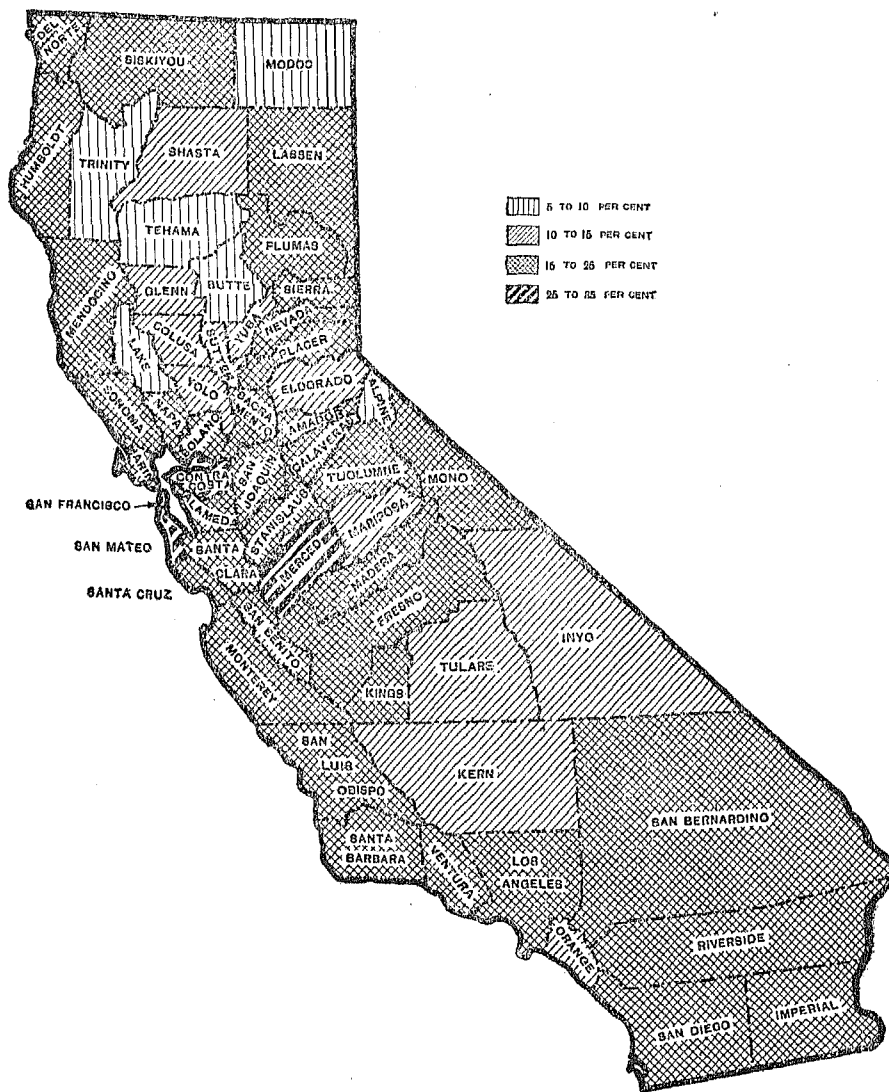


TABLE 13.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR ASSEMBLY DISTRICTS OF CITIES OF 50,000 OR MORE: 1920—Continued.

SUBJECT.	SAN FRANCISCO.													
	THE CITY.	ASSEMBLY DISTRICT.												
		21	22	23	24	25	26	27	28	29	30	31	32	33
COLOR OR RACE, NATIVITY, AND SEX.														
Total population	506,676	33,917	22,534	35,600	33,147	33,387	43,349	34,622	47,554	34,664	42,443	39,588	52,037	53,834
Male	272,703	24,298	12,110	18,511	16,777	16,814	21,230	16,752	25,340	18,213	21,899	20,234	24,999	35,520
Female	233,973	9,619	10,424	17,089	16,370	16,573	22,119	17,870	22,214	16,451	20,544	19,354	27,038	18,308
Native white	349,822	19,838	14,069	24,072	24,055	24,980	32,685	27,394	35,425	25,173	26,457	28,686	40,262	26,726
Male	177,967	13,525	7,118	12,180	11,915	12,151	15,558	12,767	17,808	12,663	12,652	14,616	18,343	16,671
Female	171,855	6,313	6,951	11,892	12,140	12,829	17,127	14,627	17,617	12,510	13,805	14,070	21,919	10,055
Native white—Native parentage	167,179	9,038	4,743	8,309	9,559	11,233	15,066	14,687	19,155	12,360	13,078	15,696	22,214	12,041
Native white—Foreign parentage	125,643	8,266	7,085	11,786	10,134	9,401	11,869	7,868	10,220	8,711	9,227	8,275	11,556	11,250
Native white—Mixed parentage	56,995	2,534	2,241	3,977	4,362	4,346	5,750	4,839	6,050	4,102	4,152	4,715	6,492	3,435
Foreign-born white	140,200	13,628	8,330	11,427	9,008	8,209	10,419	6,935	11,345	9,352	11,947	9,129	10,870	10,601
Male	82,918	10,417	4,885	6,266	4,802	4,510	5,510	3,783	6,912	5,400	6,763	4,352	6,025	13,233
Female	57,282	3,211	3,445	5,161	4,206	3,699	4,909	3,152	4,433	3,952	5,184	4,777	4,845	6,368
Negro	2,414	142	31	77	61	24	46	10	82	34	761	432	326	382
Male	1,362	102	19	42	39	11	25	4	51	16	411	210	168	264
Female	1,052	40	12	35	22	13	21	12	31	18	350	222	158	118
Indian, Chinese, Japanese, and all other	14,240	309	104	24	23	174	199	277	702	105	3,278	1,341	579	7,126
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.														
Total under 7 years of age	46,181	2,224	2,998	5,272	4,332	3,380	3,950	3,343	4,572	2,742	3,225	2,874	2,514	4,755
Total 7 to 13 years, inclusive	45,576	2,100	3,402	5,405	4,553	3,335	4,265	3,316	4,361	2,731	3,058	2,918	2,443	3,989
Number attending school	42,293	1,907	3,153	5,088	4,301	2,956	3,893	2,937	4,072	2,524	2,777	2,744	2,252	3,629
Total 14 and 15 years	11,239	507	719	1,181	1,030	846	1,218	816	990	720	795	832	630	955
Number attending school	9,909	430	630	1,035	937	732	1,083	717	907	621	689	757	550	821
Total 16 and 17 years	13,026	564	796	1,178	960	942	1,277	880	1,164	844	940	846	771	1,864
Number attending school	6,000	192	318	444	440	428	680	548	662	345	440	515	377	1,211
Total 18 to 20 years, inclusive	24,127	1,041	1,208	1,654	1,499	1,594	2,023	1,396	2,016	1,446	1,930	2,119	1,820	4,372
Number attending school	5,260	94	128	136	183	186	323	348	348	179	292	379	297	2,367
Males 21 years of age and over	201,057	20,904	7,669	11,132	10,575	11,926	14,914	12,005	18,635	14,081	17,092	15,249	21,028	25,847
Native white—Native parentage	56,439	5,399	1,086	1,939	2,236	3,092	4,041	4,030	6,487	4,341	4,587	5,756	8,341	5,104
Native white—Foreign or mixed parentage	57,169	5,150	2,104	3,340	3,709	4,376	5,549	4,184	4,980	4,512	4,833	4,408	6,422	4,102
Foreign-born white	78,211	10,047	4,395	5,807	4,581	4,328	5,207	3,633	6,640	5,161	6,315	4,050	5,745	12,302
Naturalized	39,677	4,309	2,045	3,208	3,051	2,770	3,394	2,060	3,561	2,796	3,321	2,477	2,951	3,734
Negro	1,088	97	10	27	29	11	11	2	44	14	314	153	138	248
Females 21 years of age and over	165,170	6,577	5,742	9,778	10,198	11,364	15,702	12,866	15,816	12,100	15,403	14,750	22,822	12,052
Native white—Native parentage	48,690	1,704	810	1,639	2,123	2,945	4,351	4,533	4,990	3,691	4,633	4,733	9,779	2,759
Native white—Foreign or mixed parentage	40,889	1,969	1,883	3,408	4,080	4,884	6,076	5,282	6,501	4,795	5,052	5,227	8,263	2,899
Foreign-born white	52,656	2,839	3,033	4,706	3,977	3,506	4,618	2,982	4,266	3,584	4,733	4,441	4,569	5,462
Naturalized	28,099	1,393	1,541	2,686	2,694	2,300	2,892	1,789	2,601	2,056	2,496	1,808	2,307	1,566
Negro	818	35	9	24	16	10	14	11	27	9	277	163	124	99
Males 18 to 44 years, inclusive	143,204	12,692	5,529	8,139	7,364	8,420	10,369	7,537	13,180	9,873	12,006	11,601	15,331	21,163
Females 18 to 44 years, inclusive	121,042	4,960	4,453	7,440	7,432	8,146	10,992	8,888	11,329	8,975	11,100	10,162	17,420	9,736
ILLITERACY.														
Total 10 years of age and over	440,564	30,739	18,010	27,936	26,875	28,593	37,580	29,842	41,095	30,768	37,902	35,483	48,491	47,250
Number illiterate	8,520	733	580	751	323	271	232	115	305	291	522	433	497	3,467
Native white	287,855	16,852	9,708	16,577	17,870	20,270	27,059	22,727	29,107	21,407	22,865	24,882	36,899	21,632
Number illiterate	563	66	40	35	26	16	10	18	32	25	40	18	88	140
Foreign-born white	138,475	13,474	8,179	11,275	8,927	8,145	10,316	6,858	11,260	9,238	11,766	9,016	10,764	10,257
Number illiterate	6,585	624	526	712	295	228	178	63	227	251	316	329	327	2,590
Negro	2,176	141	28	64	55	23	39	15	79	29	672	368	206	399
Number illiterate	68	2	1	4	1	1	1	1	1	1	6	13	8	32
Total 16 to 20 years, inclusive	37,153	1,605	2,004	2,832	2,459	2,536	3,300	2,276	3,180	2,290	2,870	2,905	2,600	6,236
Number illiterate	193	8	24	6	3	5	5	4	7	16	27	14	19	59
Illiterate males 21 years of age and over	4,093	498	257	323	133	123	102	47	104	125	186	233	218	1,744
Native white	245	47	13	17	9	7	10	7	11	10	10	8	33	63
Foreign-born white	3,034	410	235	305	122	96	60	23	68	106	111	165	134	1,190
Negro	40	2	1	1	1	1	1	1	1	1	2	6	3	24
Illiterate females 21 years of age and over	4,167	223	288	419	182	139	127	61	192	141	302	182	258	1,653
Native white	236	16	13	15	10	5	7	5	14	11	20	7	47	66
Foreign-born white	3,427	205	272	402	172	129	108	39	157	126	189	156	187	1,285
Negro	26	1	2	2	2	2	2	2	2	2	4	6	5	8
DWELLINGS AND FAMILIES.														
Dwellings, number	90,132	3,732	4,849	8,596	8,015	6,801	8,098	7,060	10,120	6,290	7,036	7,139	5,260	5,936
Families, number	123,349	5,662	5,195	8,889	8,652	8,951	11,343	9,058	11,337	9,515	10,552	8,800	16,611	8,664
COUNTRY OF BIRTH OF FOREIGN-BORN WHITE.														
Atlantic Islands	1,178	16	3	14	4	7	11	4	15	16	32	8	4	44
Australia	1,633	93	56	73	96	89	177	145	166	127	167	117	229	98
Austria	3,694	557	185	301	195	199	292	181	233	290	504	180	234	293
Canada	7,083	551	168	295	403	412	654	640	736	535	693	469	1,105	422
Denmark	3,389	382	177	220	254	225	335	218	384	286	245	215	253	195
England	10,107	766	285	555	699	579	925	871	1,164	773	1,079	783	1,094	534
Finland	1,810	207	103	337	140	86	190	52	218	101	85	118	39	74
France	6,908	609	774	347	329	345	304	193	596	412	602	561	811	1,125
Germany	18,513	1,495	839	1,420	1,500	1,453	1,894	1,321	1,766	1,453	1,876	1,236	1,438	822
Greece	3,204	1,317	103	112	17	150	53	67	270	210	209	56	235	255
Hungary	1,390	158	32	168	93	63	114	63	108	145	192	87	97	70
Ireland	18,257	1,795	996	1,659	2,232	1,710	1,833	1,257	1,666	1,497	1,282	1,166	724	440
Italy	23,924	1,279	2,015	3,020	977	871	650	273	488	605	534	1,500	1,586	10,126
Jugo-Slavia	1,320	297	32	142	26	43	37	29	50	104	97	57	168	238
Mexico	3,793	405	168	120	55	115	139	43	219	263	369	339	419	1,139
Norway	3,121	325	146	334	350	192	313	131	456	196	167			



PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.





## COMPOSITION AND CHARACTERISTICS.

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TABLE 14.—AGE, BY QUINQUENNIAL PERIODS, WITH SINGLE YEARS FOR PERSONS UNDER 25, FOR THE STATE: 1920.

AGE.	ALL CLASSES: 1920		NATIVE WHITE: 1920						FOREIGN-BORN WHITE: 1920		NEGRO: 1920		INDIAN, CHINESE, JAPANESE AND ALL OTHER: 1920	
			Native parentage.		Foreign parentage.		Mixed parentage.							
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages, number.....	1,813,591	1,613,270	860,196	817,759	285,650	288,277	162,527	168,040	401,850	279,812	19,837	18,926	83,531	39,856
Under 5 years.....	140,376	135,351	79,871	76,401	31,874	31,494	16,394	15,886	2,150	2,110	1,318	1,278	8,769	8,182
Under 1 year.....	27,762	26,158	15,650	14,534	6,339	6,210	3,285	3,111	143	138	281	236	2,064	1,929
to 9 years.....	141,417	138,862	79,631	78,180	32,578	32,235	16,316	16,522	6,255	6,164	1,338	1,438	4,799	4,323
0 to 14 years.....	130,826	128,450	74,724	73,796	26,318	26,111	16,391	16,001	9,398	8,862	1,258	1,405	2,737	2,275
5 to 19 years.....	124,564	118,762	69,725	66,249	21,166	21,410	15,080	15,249	13,155	12,334	1,223	1,339	4,215	2,181
0 to 24 years.....	140,432	134,336	71,185	70,455	22,563	23,543	15,243	16,426	23,470	17,660	1,668	1,731	6,303	4,521
5 to 29 years.....	157,214	150,221	72,926	73,587	24,108	26,320	14,916	17,120	37,470	25,453	1,958	2,122	5,836	5,610
0 to 34 years.....	163,653	142,935	69,890	67,421	21,750	23,705	13,363	15,234	47,906	30,681	1,995	1,964	8,749	3,930
5 to 39 years.....	171,308	138,749	70,089	63,292	21,755	22,531	13,173	14,552	53,803	33,265	2,372	2,128	10,116	2,981
0 to 44 years.....	143,108	119,245	57,882	54,010	20,123	20,879	11,266	12,214	42,393	28,362	1,891	1,550	9,553	2,230
5 to 49 years.....	130,234	101,927	52,744	46,234	19,633	18,675	9,551	9,310	39,667	25,219	1,726	1,245	6,910	1,244
0 to 54 years.....	107,354	87,086	43,378	39,381	15,230	14,707	7,124	7,129	35,427	24,079	1,117	990	5,078	791
5 to 59 years.....	82,611	66,602	33,920	31,167	11,301	11,024	5,087	4,882	27,894	18,568	676	576	3,733	405
0 to 64 years.....	66,786	54,732	29,026	26,983	8,631	8,016	3,587	3,581	21,953	15,409	507	417	3,082	323
5 to 69 years.....	44,533	37,692	19,911	19,815	4,456	4,021	2,022	2,082	16,085	11,788	338	256	1,721	230
0 to 74 years.....	30,683	26,695	14,776	14,136	2,105	1,868	1,285	1,213	11,378	9,129	168	180	971	169
5 to 79 years.....	18,989	16,550	9,708	9,033	1,082	894	653	697	7,109	5,707	104	108	333	121
0 to 84 years.....	8,605	8,038	4,507	4,338	416	399	278	256	3,224	2,899	46	61	134	85
5 to 89 years.....	3,346	3,185	1,783	1,724	165	115	96	110	1,203	1,161	29	33	70	42
0 to 94 years.....	750	803	351	401	35	39	27	26	296	288	10	9	31	40
5 to 99 years.....	173	156	79	58	6	9	5	6	63	62	2	6	18	15
00 years and over.....	47	56	10	4	.....	.....	1	2	18	23	3	6	15	21
Age unknown.....	6,582	2,837	4,080	1,594	355	283	166	159	1,533	589	90	75	358	137
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	7.7	8.4	9.3	9.3	11.2	10.9	10.1	9.4	0.5	0.8	6.6	6.8	10.5	20.5
Under 1 year.....	1.5	1.6	1.8	1.8	2.2	2.2	2.0	1.8	(1)	(1)	1.4	1.2	2.5	4.8
to 9 years.....	7.8	8.6	9.3	9.6	11.4	11.2	10.3	9.8	1.6	2.2	6.7	7.6	5.7	10.8
0 to 14 years.....	7.2	8.0	8.7	9.0	9.2	9.1	10.1	9.5	2.3	3.2	6.3	7.4	3.3	5.7
5 to 19 years.....	6.9	7.4	8.1	8.1	7.4	7.4	9.3	9.0	3.3	4.4	6.2	7.1	5.0	5.5
0 to 24 years.....	7.7	8.3	8.3	8.6	7.9	8.2	9.4	9.7	5.8	6.3	8.4	9.1	7.5	11.3
5 to 29 years.....	8.7	9.3	8.5	9.0	8.4	9.1	9.2	10.2	9.3	9.1	9.9	11.2	7.0	14.1
0 to 34 years.....	9.0	8.9	8.1	8.2	7.6	8.2	8.2	9.0	11.9	11.0	10.1	10.4	10.5	9.9
5 to 39 years.....	9.4	8.6	8.1	7.7	7.6	7.8	8.1	8.6	13.4	11.9	12.0	11.2	12.1	7.5
0 to 44 years.....	7.9	7.4	6.7	6.6	7.0	7.2	6.9	7.2	10.5	10.1	9.5	8.2	11.4	5.6
5 to 49 years.....	7.2	6.3	6.1	5.7	6.9	6.5	5.9	5.5	9.9	9.0	8.7	6.6	8.3	3.1
0 to 54 years.....	5.9	5.4	5.0	4.8	5.3	5.1	4.4	4.2	8.8	8.6	5.6	5.3	6.1	2.0
5 to 59 years.....	4.6	4.1	3.9	3.8	4.0	3.8	3.1	2.9	6.9	6.6	3.4	3.0	4.5	1.0
0 to 64 years.....	3.7	3.4	3.4	3.3	3.0	2.8	2.2	2.1	5.5	5.5	2.6	2.2	3.7	0.8
5 to 74 years.....	4.1	4.0	4.0	4.1	2.3	2.0	2.0	2.0	6.8	7.5	2.6	2.3	3.2	1.0
5 to 84 years.....	1.5	1.5	1.7	1.6	0.5	0.4	0.6	0.6	2.6	3.1	0.8	0.9	0.6	0.5
5 to 94 years.....	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.4	0.5	0.2	0.2	0.1	0.2
5 years and over.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0.1
Age unknown.....	0.4	0.2	0.5	0.2	0.1	0.1	0.1	0.1	0.4	0.2	0.5	0.4	0.4	0.3
Year of age (1-24).														
year.....	28,372	27,135	16,501	15,779	6,096	5,995	3,316	3,209	308	286	256	236	1,895	1,720
years.....	28,021	27,317	16,168	15,414	6,263	6,200	3,152	3,276	416	431	253	268	1,769	1,668
years.....	28,222	27,440	15,898	15,124	6,538	6,554	3,306	3,088	530	541	279	267	1,671	1,566
years.....	27,999	27,301	15,654	15,250	6,638	6,565	3,335	3,202	763	714	249	271	1,370	1,299
years.....	28,783	28,026	15,950	15,682	7,011	6,755	3,304	3,208	921	883	269	289	1,328	1,209
years.....	29,160	28,981	16,468	16,249	6,749	6,910	3,449	3,423	1,076	1,069	256	289	1,162	1,032
years.....	28,637	28,095	16,250	15,897	6,583	6,504	3,306	3,309	1,200	1,288	281	312	924	785
years.....	27,745	27,566	15,560	15,550	6,287	6,198	3,471	3,369	1,410	1,457	265	272	752	720
years.....	27,092	26,194	15,403	14,892	5,948	5,859	3,286	3,213	1,558	1,467	264	270	633	577
0 years.....	27,582	27,295	15,598	15,673	5,862	5,862	3,477	3,271	1,837	1,669	230	268	578	552
1 years.....	26,231	25,767	15,089	14,910	5,395	5,395	3,294	3,182	1,669	1,552	245	273	539	446
2 years.....	27,531	26,767	15,704	15,221	5,558	5,593	3,364	3,362	2,047	1,832	288	281	570	478
3 years.....	25,033	24,768	14,386	14,322	4,887	4,789	3,171	3,164	1,821	1,820	272	276	496	397
4 years.....	24,449	23,853	13,947	13,661	4,616	4,472	3,085	3,022	2,024	1,989	223	307	554	402
5 years.....	22,475	22,569	12,850	12,950	4,103	4,162	2,829	2,963	1,883	1,875	229	262	581	357
6 years.....	23,503	23,913	12,983	13,412	4,225	4,385	3,038	3,016	2,291	2,362	250	274	716	434
7 years.....	24,303	22,801	13,568	12,752	4,234	4,170	2,984	2,908	2,506	2,343	207	227	804	401
8 years.....	27,055	25,026	15,217	13,712	4,329	4,448	3,118	3,198	3,137	2,926	266	282	988	460
9 years.....	27,228	24,453	15,107	13,393	4,275	4,245	3,111	3,164	3,338	2,828	271	294	1,126	529
0 years.....	25,528	24,695	13,502	13,111	4,030	4,209	2,935	2,983	3,552	3,301	307	320	1,202	771
1 years.....	28,201	25,216	14,953	13,795	4,647	4,430	3,176	3,274	3,837	2,729	308	286	1,280	702
2 years.....	28,354	26,864	14,148	14,031	4,581	4,701	3,096	3,277	4,800	3,603	349	355	1,380	897
3 years.....	28,591	26,214	14,165	14,546	4,494	5,043	3,089	3,405	5,302	3,839	334	378	1,227	1,003
4 years.....	29,758	29,347	14,417	14,972	4,811	5,160	2,967	3,487	5,979	4,188	370	392	1,214	1,148

1 Less than one-tenth of 1 per cent.



## POPULATION—CALIFORNIA.

TABLE 15.—MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER, FOR THE STATE: 1920, 1910, AND 1900.

[Per cent not shown where base is less than 100.]

CENSUS YEAR, CLASS OF POPULATION, AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.								FEMALES 15 YEARS OF AGE AND OVER.							
	Total. <sup>1</sup>	Single.		Married.		Widowed.		Divorced.	Total. <sup>1</sup>	Single.		Married.		Widowed.		Divorced.
		Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.			Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	
1920																
All classes—15 years and over.....	1,400,972	535,419	38.2	765,451	54.6	67,626	4.8	21,568	1,210,607	289,196	23.9	733,632	60.6	162,871	13.5	23,105
15 to 19 years.....	124,564	122,652	98.5	1,451	1.2	30	(2)	17	118,762	104,456	88.0	13,847	11.7	181	0.2	187
20 to 24 years.....	140,432	108,399	77.2	29,900	21.3	377	0.3	490	134,336	60,778	45.2	70,187	52.2	1,444	1.1	1,748
25 to 34 years.....	320,867	130,779	40.8	179,898	56.1	3,708	1.2	4,211	293,156	56,839	19.4	219,732	75.0	9,473	3.2	6,840
35 to 44 years.....	314,416	78,618	25.0	219,543	69.8	8,182	2.6	6,250	257,994	31,467	12.2	199,382	77.3	19,908	7.7	6,985
45 to 54 years.....	237,588	49,274	20.7	168,702	71.0	13,054	5.5	5,401	189,013	19,768	10.5	132,104	69.9	32,329	17.1	4,596
55 to 64 years.....	149,397	27,575	18.5	102,261	68.4	15,636	10.5	3,337	121,334	10,136	8.4	68,364	56.3	40,650	33.5	2,003
65 years and over.....	107,126	16,114	15.0	62,124	58.0	26,436	24.7	1,757	93,175	5,084	5.5	28,705	30.8	58,472	62.8	690
Age unknown.....	6,582	2,008	30.5	1,563	23.7	203	3.1	105	2,837	668	23.5	1,311	46.2	414	14.6	66
Native white—Native parentage:																
15 years and over.....	625,970	228,008	36.4	350,871	56.1	30,149	4.8	11,397	589,382	148,515	25.2	348,575	59.1	78,301	13.3	13,050
15 to 19 years.....	69,725	68,568	98.3	851	1.2	14	(2)	13	66,249	58,703	88.6	7,287	11.0	98	0.1	115
20 to 24 years.....	71,185	52,962	74.4	17,055	24.0	210	0.3	298	70,455	32,645	46.2	35,955	51.0	777	1.1	1,093
25 to 34 years.....	142,816	48,804	34.2	88,959	62.3	1,728	1.2	2,490	141,008	27,534	19.5	104,563	74.2	4,762	3.4	4,029
35 to 44 years.....	127,971	25,628	20.0	95,125	74.3	3,363	2.6	3,277	117,302	13,624	11.6	90,612	77.2	9,185	7.8	3,760
45 to 54 years.....	96,122	16,276	16.9	71,403	74.3	5,373	5.6	2,688	85,615	8,487	9.9	60,353	70.5	14,191	16.6	2,493
55 to 64 years.....	62,916	9,183	14.6	45,290	72.0	6,599	10.5	1,692	58,150	4,624	8.0	33,497	57.6	18,817	32.4	1,124
65 years and over.....	51,125	5,748	11.2	31,416	61.4	12,773	25.0	889	49,009	2,627	5.4	15,620	31.9	30,268	61.8	394
Native white—For. or mixed par.:																
15 years and over.....	307,806	136,196	44.2	154,219	50.1	11,445	3.7	5,314	318,668	97,186	30.5	181,914	57.1	32,992	10.4	6,228
15 to 19 years.....	36,246	35,911	99.1	285	0.8	8	(2)	2	36,650	33,262	90.7	3,277	8.9	34	0.1	53
20 to 24 years.....	37,806	30,690	81.2	6,807	18.0	76	0.2	132	39,969	21,160	52.9	17,974	45.0	313	0.8	469
25 to 34 years.....	74,137	31,767	42.8	40,336	54.4	804	1.1	1,103	82,388	20,624	25.0	57,356	69.6	2,400	2.9	1,945
35 to 44 years.....	66,317	17,439	26.3	45,344	68.4	1,773	2.7	1,677	70,176	11,198	16.0	51,571	73.5	5,305	7.6	2,051
45 to 54 years.....	51,541	12,103	23.5	35,192	68.3	2,760	5.4	1,393	49,821	6,870	13.8	33,375	67.0	8,357	16.8	1,177
55 to 64 years.....	28,006	5,907	20.0	18,875	66.0	3,056	10.7	704	27,486	3,115	11.3	14,599	53.1	9,311	33.9	438
65 years and over.....	12,632	2,133	16.9	7,215	57.1	2,930	23.2	280	11,727	814	6.9	3,595	30.7	7,214	61.5	86
Native white—Foreign parentage:																
15 years and over.....	194,880	86,041	44.2	97,571	50.1	7,561	3.9	3,295	198,437	59,518	30.0	113,550	57.2	21,585	10.9	3,571
15 to 19 years.....	21,160	20,967	99.1	169	0.8	6	(2)	2	21,410	19,304	90.2	2,039	9.5	21	0.1	25
20 to 24 years.....	22,503	18,429	81.7	3,953	17.5	44	0.2	71	23,543	12,399	52.7	10,708	45.5	182	0.8	222
25 to 34 years.....	45,858	20,021	43.7	24,619	53.7	491	1.1	649	50,034	12,660	25.3	34,823	69.6	1,424	2.8	1,077
35 to 44 years.....	41,878	11,718	28.0	27,986	66.8	1,131	2.7	991	43,410	7,311	16.8	31,620	72.8	3,206	7.5	1,179
45 to 54 years.....	34,863	8,743	25.1	23,310	66.9	1,855	5.3	898	33,382	4,951	14.8	22,041	66.0	5,630	16.9	736
55 to 64 years.....	19,932	4,429	22.2	12,842	64.4	2,123	10.7	492	19,040	2,292	12.0	9,970	52.4	6,492	34.1	273
65 years and over.....	8,265	1,561	18.9	4,584	55.5	1,890	22.9	177	7,335	508	6.9	2,929	30.4	4,536	61.8	52
Native white—Mixed parentage:																
15 years and over.....	112,926	50,155	44.4	56,648	50.2	3,884	3.4	2,019	120,231	37,668	31.3	68,364	56.9	11,407	9.5	2,657
15 to 19 years.....	15,080	14,944	99.1	116	0.8	2	(2)	1	15,249	13,958	91.5	1,238	8.1	13	0.1	28
20 to 24 years.....	15,243	12,261	80.4	2,854	18.7	32	0.2	61	16,426	8,761	53.3	7,266	44.2	131	0.8	247
25 to 34 years.....	28,279	11,746	41.5	15,717	55.6	313	1.1	454	32,354	7,964	24.6	22,513	69.6	976	3.0	868
35 to 44 years.....	24,439	5,721	23.4	17,358	71.0	642	2.6	686	26,765	3,887	14.5	19,551	74.5	2,039	7.6	872
45 to 54 years.....	16,678	3,360	20.1	11,882	71.2	911	5.5	495	16,439	1,919	11.7	11,334	68.9	2,727	16.6	441
55 to 64 years.....	8,674	1,478	17.0	6,033	69.6	633	10.8	212	8,446	823	9.7	4,629	54.8	2,819	33.4	165
65 years and over.....	4,367	572	13.1	2,631	60.2	1,040	23.8	303	4,392	306	7.0	1,366	31.1	2,678	61.0	34
Foreign-born white:																
15 years and over.....	384,047	137,166	35.7	215,911	56.2	22,797	5.9	4,345	262,676	37,785	14.4	173,866	66.2	47,301	18.0	3,288
15 to 19 years.....	13,155	12,868	97.8	212	1.6	7	0.1	1	12,334	9,670	78.4	2,596	21.0	44	0.4	13
20 to 24 years.....	23,470	18,318	78.0	4,672	19.9	70	0.3	43	27,060	5,838	21.6	11,420	42.4	251	0.9	126
25 to 34 years.....	85,376	41,541	48.7	41,290	48.4	966	1.1	500	96,134	7,821	8.1	45,816	47.1	1,773	1.8	660
35 to 44 years.....	98,106	28,990	29.6	62,715	63.9	2,382	2.5	1,100	61,627	6,215	10.1	49,797	80.8	4,532	7.4	1,018
45 to 54 years.....	75,094	17,388	23.2	51,834	69.0	4,091	5.4	1,214	49,298	4,224	8.6	35,389	71.8	8,755	17.8	854
55 to 64 years.....	49,847	10,340	20.7	33,110	66.4	5,237	10.5	893	33,977	2,320	6.8	19,414	57.1	11,767	34.6	415
65 years and over.....	39,376	6,970	17.7	21,588	54.8	9,974	25.3	566	31,057	1,590	5.1	9,108	29.3	20,069	64.6	191
Negro:																
15 years and over.....	15,923	5,670	35.6	8,875	55.7	946	5.9	335	14,805	2,731	18.4	8,760	59.2	2,854	19.3	433
15 to 19 years.....	1,223	1,195	97.7	23	1.9	1	0.1	1	1,339	1,105	82.5	228	17.0	2	0.1	3
20 to 24 years.....	1,668	1,146	68.7	496	29.7	7	0.3	12	1,731	584	33.7	1,040	60.1	59	3.4	45
25 to 34 years.....	3,953	1,496	37.8	2,277	57.6	58	2.0	74	4,086	560	13.9	2,980	72.9	370	9.1	163
35 to 44 years.....	4,263	904	21.2	2,914	68.4	214	5.0	131	3,678	267	7.3	2,611	71.0	661	18.0	132
45 to 54 years.....	2,843	544	19.1	1,971	69.3	245	8.6	70	2,244	127	5.7	1,329	59.2	729	32.5	57
55 to 64 years.....	1,183	183	15.5	704	59.5	197	16.7	34	993	44	4.4	409	41.2	513	51.7	23
65 years and over.....	700	88	12.6	396	56.6	202	28.9	11	659	24	3.6	130	19.7	495	75.1	9
Indian—15 years and over.....	6,043	2,436	40.3	2,924	48.4	596	9.9	56	5,403	1,329	24.6	3,097	57.3	879	16.3	78
Chinese—15 years and over.....	21,872	9,035	41.3	11,765	53.8	809	3.7	2								



TABLE 16.—TOTAL, WHITE, AND COLORED POPULATION, WITH STATE OF BIRTH FOR NATIVES, FOR THE STATE: 1920.

NATIVITY AND STATE OF BIRTH.	All classes: 1920	White: 1920	Colored: <sup>1</sup> 1920	PER CENT DISTRIBUTION OF TOTAL.						PER CENT DIS- TRIBUTION OF NATIVE WHITE.	
				All classes.		White.		Colored.			
				1920	1910	1920	1910	1920	1910	1920	1910
				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total population.....	3,426,861	3,264,711	162,150	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Native.....	2,609,236	2,583,049	86,187	77.9	75.3	79.1	77.1	53.2	41.3	100.0	100.0
Born in—											
California.....	1,268,243	1,216,634	51,609	37.0	38.0	37.3	38.6	31.8	26.4	47.1	50.1
Illinois.....	137,602	130,915	687	4.0	3.7	4.2	3.8	0.4	0.3	5.3	5.0
Missouri.....	104,828	102,940	1,888	3.1	2.9	3.2	2.9	1.2	1.1	4.0	3.8
New York.....	102,076	101,773	303	3.0	3.4	3.1	3.5	0.2	0.2	3.9	4.6
Ohio.....	88,797	88,179	618	2.6	2.8	2.7	2.9	0.4	0.3	3.4	3.8
Iowa.....	86,551	86,358	193	2.5	2.3	2.6	2.4	0.1	0.1	3.3	3.1
Pennsylvania.....	72,196	71,822	374	2.1	2.2	2.3	2.3	0.2	0.2	2.8	2.9
Kansas.....	62,885	61,967	918	1.8	1.5	1.9	1.5	0.6	0.4	2.4	2.0
Indiana.....	61,249	60,960	289	1.8	1.7	1.9	1.8	0.2	0.1	2.4	2.4
Michigan.....	52,112	51,938	174	1.5	1.4	1.6	1.5	0.1	0.1	2.0	2.0
Texas.....	49,185	48,907	5,278	1.4	0.9	1.3	0.8	3.3	1.9	1.7	1.1
Wisconsin.....	45,243	45,201	42	1.3	1.2	1.4	1.2	(2)	(2)	1.7	1.6
Minnesota.....	35,955	35,906	49	1.0	0.8	1.1	0.9	(2)	(2)	1.4	1.1
Massachusetts.....	35,520	35,406	114	1.0	1.2	1.1	1.2	0.1	0.1	1.4	1.6
Nebraska.....	34,517	34,418	99	1.0	0.8	1.1	0.8	0.1	(2)	1.3	1.1
Colorado.....	34,384	34,059	325	1.0	0.6	1.0	0.6	0.2	0.1	1.3	0.8
Oregon.....	30,215	29,912	303	0.9	0.7	0.9	0.8	0.2	0.2	1.2	1.0
Kentucky.....	28,396	27,179	1,217	0.8	0.8	0.8	0.8	0.8	0.7	1.1	1.1
Tennessee.....	23,233	21,551	1,682	0.7	0.6	0.7	0.6	1.0	0.8	0.8	0.8
Washington.....	22,582	22,412	170	0.7	0.4	0.7	0.4	0.1	0.1	0.9	0.5
Other states.....	256,425	241,054	15,371	7.5	6.5	7.4	6.4	9.5	7.1	9.3	8.3
Other native <sup>2</sup> .....	37,042	32,558	4,484	1.1	1.0	1.0	1.0	2.8	1.0	1.3	1.3
Foreign born.....	757,625	681,662	75,963	22.1	24.7	20.9	22.9	46.8	58.7	.....	.....

<sup>1</sup> Comprises persons of Negro descent, Indians, Chinese, Japanese, and all other; see Table 1.<sup>2</sup> Less than one-tenth of 1 per cent.<sup>3</sup> Comprises persons born in the United States, state of birth not reported; persons born in outlying possessions, or at sea under United States flag; and persons of foreign birth whose parents were American citizens temporarily absent from the United States.

TABLE 17.—COUNTRY OF BIRTH OF THE FOREIGN-BORN POPULATION, WITH CITIZENSHIP OF THE FOREIGN-BORN WHITE, FOR THE STATE: 1920.

[See also Tables 5, 6, and 12. Per cent not shown where base is less than 100.]

COUNTRY OF BIRTH.	TOTAL FOREIGN BORN.				FOREIGN-BORN WHITE.						FOREIGN-BORN WHITE 21 YEARS OF AGE AND OVER.		
	Both sexes.		Male.	Female.	Total.	Naturalized.		Having first papers.	Alien.	Citi- zen- ship not reported.	Total.	Naturalized.	
	Number.	Per cent distrib- ution.				Number.	Per cent.					Number.	Percent.
<b>Total.....</b>	<b>757,625</b>	<b>100.0</b>	<b>458,387</b>	<b>299,238</b>	<b>681,662</b>	<b>303,145</b>	<b>44.5</b>	<b>47,335</b>	<b>284,389</b>	<b>46,793</b>	<b>614,361</b>	<b>293,475</b>	<b>47.8</b>
Mexico.....	88,771	11.7	51,851	36,920	86,610	3,674	4.2	510	77,995	4,425	60,546	3,008	5.0
Italy.....	88,504	11.7	57,615	30,889	88,502	22,428	25.3	8,144	54,110	3,814	80,179	21,185	26.4
Germany.....	67,185	8.9	39,006	28,179	67,180	47,993	71.4	5,172	8,776	5,239	66,101	47,524	71.9
Canada.....	59,686	7.9	30,022	29,664	59,682	33,881	56.9	2,989	17,149	5,543	52,546	32,397	61.7
England.....	58,612	7.7	32,372	26,240	58,572	34,490	58.9	4,449	15,185	4,448	54,820	33,251	60.7
Japan.....	51,191	6.8	34,573	16,618	51,191	44	0.1	4	12	71	30,868	32	0.1
Ireland.....	45,308	6.0	23,239	22,069	45,308	31,103	68.6	2,448	7,120	4,637	44,722	30,868	69.0
Sweden.....	31,926	4.2	18,006	13,920	31,925	21,554	67.5	2,583	5,783	2,005	31,265	21,263	68.0
Russia.....	27,225	3.6	15,608	11,617	27,224	11,225	41.2	2,170	12,286	1,543	23,495	10,481	44.6
Portugal.....	24,609	3.2	15,336	9,273	24,617	5,746	23.4	1,126	10,240	1,405	21,675	5,519	25.5
France.....	20,401	2.7	11,239	9,162	20,387	10,774	52.8	1,821	6,171	1,621	19,354	10,477	54.1
China.....	19,564	2.6	17,939	1,625	19,564	86	0.4	6	18	15	18,220	102	0.6
Denmark.....	18,721	2.5	11,762	6,959	18,721	13,032	69.6	1,520	3,035	1,134	18,203	12,820	70.4
Scotland.....	16,597	2.2	9,543	7,054	16,597	9,849	59.3	1,344	4,092	1,312	15,610	9,489	60.8
Switzerland.....	16,097	2.1	10,231	5,866	16,097	9,113	56.6	1,322	4,509	1,153	15,516	9,955	57.7
Austria.....	13,266	1.8	8,528	4,738	13,264	6,138	46.3	1,633	4,529	964	12,650	5,940	47.0
All other countries.....	109,992	14.5	71,517	38,445	106,882	42,015	39.3	10,088	47,259	7,520	97,526	40,209	41.2

TABLE 18.—YEAR OF IMMIGRATION OF THE FOREIGN-BORN POPULATION, FOR THE STATE: 1920.

SEX.	Total foreign born: 1920	YEAR OF IMMIGRATION.							PER CENT OF TOTAL ARRIVING IN—						
		1918- 1919	1916- 1917	1911- 1915	1906- 1910	1901- 1905	1900 or earlier.	Year not reported.	1918- 1919	1916- 1917	1911- 1915	1906- 1910	1901- 1905	1900 or earlier.	Year not reported.
<b>Both sexes.....</b>	<b>757,625</b>	<b>38,716</b>	<b>33,097</b>	<b>113,725</b>	<b>114,453</b>	<b>88,298</b>	<b>288,290</b>	<b>81,046</b>	<b>5.1</b>	<b>4.4</b>	<b>15.0</b>	<b>15.1</b>	<b>11.7</b>	<b>38.1</b>	<b>10.7</b>
Male.....	458,387	20,612	18,306	68,276	74,071	58,212	177,596	41,314	4.5	4.0	14.9	16.2	12.7	38.7	9.0
Female.....	299,238	18,104	14,791	45,449	40,382	30,086	110,694	39,732	6.1	4.9	15.2	13.5	10.1	37.0	13.3

TABLE 19.—FOREIGN-BORN WHITE POPULATION UNABLE TO SPEAK ENGLISH, FOR THE STATE: 1920.

SEX.	FOREIGN-BORN WHITE 10 YEARS OF AGE AND OVER: 1920			FOREIGN-BORN WHITE 21 YEARS OF AGE AND OVER: 1920		
	Total number.	Unable to speak English.		Total number.	Unable to speak English.	
		Number.	Per cent.		Number.	Per cent.
<b>Both sexes.....</b>	<b>664,983</b>	<b>69,570</b>	<b>10.5</b>	<b>614,381</b>	<b>63,014</b>	<b>10.3</b>
Male.....	393,445	35,919	9.1	367,340	32,610	8.9
Female.....	271,538	33,651	12.4	247,041	30,404	12.3



TABLE 20.—SCHOOL ATTENDANCE, BY AGE PERIODS, FOR THE STATE: 1920.

[See also Table 2.]

CLASS OF POPULATION AND SEX.	Total number of persons attending school: 1920	PERSONS 7 TO 13 YEARS OF AGE.			PERSONS 14 AND 15 YEARS OF AGE.			PERSONS 16 AND 17 YEARS OF AGE.			PERSONS 18 TO 20 YEARS OF AGE.			OTHERS ATTENDING SCHOOL.	
		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Under 7 years of age.	21 years of age and over.
			Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		
All classes.....	598,828	376,303	352,563	93.7	93,346	83,191	89.1	94,520	51,694	54.7	153,985	33,661	21.9	59,982	17,735
Male.....	301,782	189,851	177,941	93.7	46,924	41,617	88.7	47,806	24,418	51.1	79,811	17,593	22.0	29,714	10,499
Female.....	297,044	186,452	174,622	93.7	46,422	41,574	89.6	46,714	27,276	58.4	74,174	16,068	21.7	30,268	7,236
Native white:															
Native parentage.....	351,525	214,374	203,035	94.7	53,408	48,980	91.7	52,745	32,268	61.2	84,042	21,822	26.0	35,130	10,260
Male.....	176,179	107,990	102,271	94.7	26,797	24,405	91.1	26,551	15,030	56.6	43,826	11,320	25.8	17,397	5,756
Female.....	175,346	106,384	100,794	94.7	26,611	24,575	92.3	26,194	17,238	65.8	40,216	10,502	26.1	17,733	4,504
Foreign parentage.....	118,636	80,720	75,645	93.7	17,353	15,227	87.7	17,014	7,727	45.4	25,536	4,153	16.3	13,793	2,091
Male.....	59,300	40,520	37,958	93.8	8,719	7,651	87.8	8,450	3,601	42.6	12,634	2,061	16.3	6,772	1,224
Female.....	59,336	40,200	37,687	93.7	8,634	7,576	87.7	8,565	4,126	48.2	12,902	2,089	16.2	7,021	867
Mixed parentage.....	74,602	46,239	43,778	94.7	11,890	10,742	90.3	11,046	6,805	61.5	18,509	4,277	23.1	7,050	1,980
Male.....	37,832	23,369	22,178	94.9	5,914	5,206	88.0	6,022	3,183	52.9	9,164	2,078	22.7	3,531	1,006
Female.....	37,360	22,870	21,600	94.4	5,985	5,446	91.0	5,924	3,622	61.2	9,345	2,199	23.5	3,519	914
Foreign-born white.....	33,603	22,717	10,312	85.0	7,771	5,827	75.0	9,502	2,952	31.1	19,082	1,739	9.1	1,693	2,080
Male.....	17,668	11,632	9,942	85.5	3,907	2,985	76.4	4,797	1,521	31.7	10,027	983	9.8	855	1,382
Female.....	15,935	11,085	9,370	84.5	3,864	2,842	73.6	4,705	1,431	30.4	9,055	756	8.3	838	698
Negro.....	6,071	3,806	3,570	93.8	1,021	912	89.3	958	524	54.7	1,740	274	15.7	683	108
Male.....	2,840	1,848	1,746	94.5	452	395	87.4	457	224	49.0	844	104	12.3	310	61
Female.....	3,231	1,958	1,824	93.2	569	517	90.9	501	300	59.9	896	170	19.0	373	47

TABLE 21.—SCHOOL ATTENDANCE, BY SINGLE YEARS FROM 5 TO 20, FOR THE STATE: 1920.

[See also Table 2.]

YEAR OF AGE.	NUMBER AND PER CENT OF TOTAL AT SPECIFIED AGE ATTENDING SCHOOL: 1920													
	All classes.						Native white.						Foreign-born white.	
	Both sexes.		Male.		Female.		Native parentage.		Foreign parentage.		Mixed parentage.		Foreign-born white.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
5 years.....	15,035	27.5	7,657	26.6	7,378	28.5	9,213	29.1	3,586	26.0	1,713	26.3	417	23.1
6 years.....	42,467	73.0	21,148	72.5	21,319	73.6	24,802	76.0	9,783	71.6	5,114	74.4	1,215	56.6
7 years.....	50,329	88.7	25,440	88.8	24,889	88.6	29,132	90.6	11,512	88.0	5,950	89.9	1,916	74.3
8 years.....	50,751	91.8	25,476	91.8	25,275	91.7	28,904	92.9	11,459	91.8	6,328	92.5	2,349	81.9
9 years.....	49,439	92.8	25,142	92.8	24,297	92.8	28,255	93.5	10,940	92.7	6,006	93.8	2,570	85.0
10 years.....	52,433	95.5	26,352	95.5	26,081	95.6	30,127	96.3	11,254	96.0	6,493	96.2	3,077	87.8
11 years.....	49,955	96.1	25,213	96.1	24,742	96.0	29,008	96.7	10,416	96.5	6,278	96.9	2,862	88.9
12 years.....	52,094	95.9	26,422	96.0	25,672	95.9	29,950	96.8	10,760	96.5	6,510	96.8	3,409	87.9
13 years.....	47,502	95.5	23,896	95.5	23,606	95.6	27,689	96.5	9,304	96.2	6,123	96.7	3,129	85.9
14 years.....	44,964	93.1	22,763	93.1	22,201	93.1	26,172	94.8	8,485	93.4	5,787	94.8	3,243	80.8
15 years.....	38,227	84.9	18,854	83.9	19,373	85.8	22,808	88.4	6,742	81.6	4,955	85.5	2,584	68.8
16 years.....	30,019	63.3	14,050	59.8	15,969	66.8	18,440	69.8	4,639	53.9	4,053	66.9	1,829	39.3
17 years.....	21,675	46.0	10,368	42.7	11,307	49.6	13,828	52.5	3,088	36.7	2,812	47.7	1,123	23.2
18 years.....	16,004	30.7	8,066	29.9	7,938	31.6	10,432	36.1	2,031	23.1	2,071	32.8	813	13.4
19 years.....	10,844	21.0	5,794	21.3	5,050	20.7	7,077	24.8	1,279	15.0	1,351	21.5	557	9.0
20 years.....	6,813	13.6	3,703	14.5	3,110	12.6	4,313	16.2	843	10.2	855	14.4	369	5.4

TABLE 22.—ILLITERACY OF THE POPULATION 10 YEARS OF AGE AND OVER, BY AGE PERIODS, FOR THE STATE: 1920.

[See also Table 4.]

SEX AND AGE PERIOD.	ALL CLASSES: 1920			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
	Total num- ber.	Illiterate.		Native parentage.			Foreign parentage.			Mixed parentage.			Total num- ber.	Illiterate.		Total num- ber.	Illiterate.	
		Num- ber.	Per cent.	Total num- ber.	Illiterate.		Total num- ber.	Illiterate.		Total num- ber.	Illiterate.							
					Num- ber.	Per cent.		Num- ber.	Per cent.		Num- ber.	Per cent.		Num- ber.	Per cent.			
10 years and over.....	2,870,855	95,592	3.3	1,363,872	5,359	0.4	445,746	2,501	0.6	265,549	887	0.3	664,983	69,768	10.5	33,391	1,579	4.7
Male.....	1,531,798	53,780	3.5	700,694	2,819	0.4	221,198	1,256	0.6	129,317	468	0.4	393,445	38,989	9.9	17,181	664	3.9
Female.....	1,339,057	41,812	3.1	663,178	2,540	0.4	224,548	1,245	0.6	136,232	419	0.3	271,538	30,779	11.3	16,210	915	5.6
21 years and over.....	2,318,030	89,558	3.9	1,052,765	4,653	0.4	342,502	2,026	0.6	196,910	735	0.4	614,381	65,911	10.7	27,539	1,533	5.6
Male.....	1,250,880	50,009	4.0	542,743	2,439	0.4	169,684	1,021	0.6	94,911	375	0.4	367,340	37,026	10.1	14,393	626	4.3
Female.....	1,067,150	39,549	3.6	510,022	2,214	0.4	172,818	1,005	0.6	101,999	360	0.4	247,041	28,885	11.7	13,146	907	6.9
Both sexes:																		
10 to 14 years.....	250,276	1,512	0.6	148,520	284	0.2	52,429	197	0.4	32,392	50	0.2	18,200	778	4.3	2,663	16	0.6
15 to 24 years.....	518,094	10,595	2.0	277,614	694	0.2	88,682	474	0.5	61,998	154	0.2	66,619	7,600	11.4	5,961	65	1.1
25 to 34 years.....	614,023	22,786	3.7	293,824	899	0.3	95,892	567	0.6	60,633	159	0.3	141,510	18,055	12.8	8,030	146	1.8
35 to 44 years.....	572,410	22,949	4.0	245,273	875	0.4	85,288	431	0.5	51,205	148	0.3	157,823	17,663	11.2	7,941	270	3.4
45 to 54 years.....	426,601	16,494	3.9	181,737	880	0.5	68,245	363	0.5	33,117	142	0.4	124,392	12,018	9.7	5,087	349	6.9
55 to 64 years.....	270,731	10,667	3.9	121,096	770	0.6	38,972	256	0.7	17,120	121	0.7	83,824	6,947	8.3	2,176	298	13.7
65 years and over.....	200,301	9,874	4.9	100,134	897	0.9	15,600	198	1.3	8,759	109	1.2	70,433	6,286	8.9	1,359	411	30.2
Male:																		
10 to 14 years.....	130,826	755	0.6	74,724	142	0.2	26,318	93	0.4	16,391	33	0.2	9,398	366	3.9	1,258	10	0.8
15 to 24 years.....	264,996	5,716	2.2	140,910	385	0.3	43,729	231	0.5	30,323	85	0.3	36,625	4,215	11.5	2,891	45	1.6
25 to 34 years.....	320,867	12,560	3.9	142,810	465	0.3	45,858	263	0.6	38,279	85	0.3	10,369	1,269	12.1	3,953	76	1.9
35 to 44 years.....	314,418	13,181	4.2	127,971	441	0.3	41,878	219	0.5	24,439	86	0.4	96,106	10,113	10.5	4,263	129	3.0
45 to 54 years.....	237,588	9,826	4.1	96,122	470	0.5	34,863	199	0.6	16,678	69	0.4	75,094	7,015	9.3	2,843	137	4.8
55 to 64 years.....	149,397	6,144	4.1	62,946	444	0.7	19,932	144	0.7	8,674	58	0.7	49,847	3,617	7.3	1,183	109	9.2
65 years and over.....	107,126	5,155	4.8	51,125	439	0.9	8,265	98	1.2	4,867	52	1.2	39,376	3,027	7.7	700	151	21.6
Female:																		
10 to 14 years.....	128,450	757	0.6	73,796	142	0.2	26,111	104	0.4	16,001	17	0.1	8,862	412	4.6	1,405	6	0.4
15 to 24 years.....	253,098	4,879	1.9	136,704	309	0.2	44,953	243	0.5	31,675	69	0.2	29,994	3,355	11.3	3,070	20	0.7
25 to 34 years.....	293,156	10,226	3.5	141,008	404	0.3	50,034	304	0.6	32,354	74	0.2	56,134	7,686	13.7	4,086	70	1.7
35 to 44 years.....	257,994	9,768	3.8	117,302	434	0.4	43,410	212	0.5	26,766	62	0.2	61,627	7,550	12.3	3,678	141	3.8
45 to 54 years.....	189,013	6,668	3.5	85,615	410	0.5	33,382	165	0.5	16,439	73	0.4	49,298	5,003	10.1	2,244	212	9.9
55 to 64 years.....	121,334	4,523	3.7	53,150	356	0.6	19,040	112	0.6	8,446	63	0.7	33,977	3,330	9.8	993	189	19.0
65 years and over.....	93,175	4,719	5.1	49,009	458	0.9	7,335	100	1.4	4,392	57	1.3	31,057	3,259	10.5	659	260	39.1



TABLE 23.—COUNTRY OF ORIGIN AND MOTHER TONGUE OF THE FOREIGN WHITE STOCK, FOR THE STATE: 1920.

[Figures for country of origin relate to countries as constituted prior to the World War.]

COUNTRY OF ORIGIN.	Total foreign white stock: 1920.	Foreign-born white: Birth-place of father.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.				MOTHER TONGUE.	Total foreign white stock: 1920.	Foreign-born white.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.				
			Total.	Both parents foreign.	Father foreign.	Mother foreign.				Total.	Both parents foreign.	Father foreign.	Mother foreign.	
Total.....	1,586,756	681,662	905,094	573,927	222,862	108,305	Total.....	1,586,756	681,662	905,094	573,927	222,862	108,305	
Northwestern Europe:							English and Celtic.....	528,357	187,856	340,501	162,385	110,763	67,353	
England.....	153,716	65,208	88,508	32,241	36,657	19,610	Germanic:							
Scotland.....	48,019	23,627	24,392	9,374	10,347	4,671	German.....	273,074	94,806	178,268	113,296	47,429	17,543	
Wales.....	10,400	3,654	6,746	3,073	2,537	1,136	Dutch and Frisian.....	10,085	4,923	5,162	2,822	1,566	774	
Ireland.....	170,777	53,136	117,641	72,840	26,586	18,206	Flemish.....	1,935	1,153	782	423	244	115	
Norway.....	24,753	11,464	13,289	8,299	3,107	1,883	Scandinavian:							
Sweden.....	65,571	32,493	33,078	22,968	6,330	3,789	Swedish.....	67,822	33,577	34,245	23,987	6,439	3,819	
Denmark.....	40,127	19,328	20,799	13,219	5,023	1,957	Norwegian.....	24,514	11,374	13,140	8,214	3,076	1,850	
Netherlands.....	9,829	4,578	4,951	2,602	1,495	764	Danish.....	40,299	19,022	21,277	13,580	5,704	1,993	
Belgium.....	3,740	2,210	1,530	760	534	227	Latin and Greek:							
Luxemburg.....	1,021	461	560	250	242	68	Italian.....	180,206	94,527	85,679	72,402	11,609	1,668	
Switzerland.....	24,702	15,884	18,818	11,659	5,370	1,789	French.....	54,300	24,461	29,839	15,986	9,849	4,004	
France.....	40,806	19,484	21,322	11,810	6,822	2,690	Spanish.....	150,083	109,553	49,530	36,347	8,168	5,015	
Central and Eastern Europe:							Portuguese.....	81,232	33,508	47,724	34,846	11,048	1,830	
Germany.....	221,073	73,413	147,660	90,545	41,990	15,125	Rumanian.....	2,331	1,555	776	615	120	41	
Austria.....	44,117	22,792	18,325	12,676	4,030	1,619	Greek.....	12,893	10,471	2,419	1,700	699	20	
Hungary.....	10,300	6,602	3,698	2,556	644	198	Slavic and Lettic:							
Russia.....	58,980	32,444	26,536	22,149	3,222	1,165	Polish.....	9,062	4,908	4,154	3,028	855	271	
Finland.....	11,953	7,054	4,899	4,144	425	330	Czech.....	7,770	3,592	4,178	2,557	1,010	611	
Rumania.....	3,319	2,125	1,194	946	178	70	Slovak.....	2,693	1,563	1,040	849	167	24	
Bulgaria, Serbia, and Montenegro.....	3,063	2,202	861	696	145	20	Russian.....	24,435	14,034	10,401	8,047	1,306	448	
Turkey in Europe.....	434	306	68	43	23	2	Ruthenian.....	67	53	14	10	3	1	
Southern Europe:							Slovenian.....	8,208	5,046	3,162	2,711	492	49	
Greece.....	12,631	10,226	2,405	1,694	690	21	Serbo-Croatian.....	6,388	4,335	2,053	1,777	257	19	
Italy.....	167,760	89,701	78,059	66,492	10,095	1,472	Rulgarian.....	292	244	48	28	19	1	
Spain.....	18,424	11,709	6,715	4,934	1,172	609	Slavic, not specified.....	2	1	1	1	1	1	
Portugal.....	59,326	24,038	34,388	25,563	7,533	1,292	Lithuanian and Lettish.....	974	684	290	203	65	22	
Europe, not specified.....	849	489	360	238	95	27	Unclassified:							
Asia:							Yiddish and Hebrew.....	20,811	11,385	9,426	8,305	800	261	
Turkey in Asia.....	12,846	7,634	5,212	4,835	292	85	Magyar.....	5,559	3,512	2,047	1,551	356	140	
All other countries.....	1,537	586	951	380	326	245	Finnish.....	9,377	5,545	3,832	3,815	279	238	
America:							Armenian.....	10,112	6,076	4,036	3,852	163	21	
Canada—French.....	5,882	1,981	3,901	1,675	1,608	718	Syrian and Arabic.....	3,197	1,949	1,248	1,109	93	46	
Canada—Other.....	104,646	36,096	68,550	16,239	31,328	20,983	Turkish.....	508	364	144	120	22	2	
Newfoundland.....	584	310	274	66	124	84	Albanian.....	55	44	11	9	1	1	
West Indies.....	1,013	483	530	99	264	167	All other.....	132	87	45	27	9	9	
Mexico.....	126,086	85,209	40,877	30,562	6,305	4,010	Unknown.....	1,091	361	730	333	281	116	
Cent. and South America.....	4,716	2,460	2,256	520	983	753	Of mixed mother tongue.....	48,892	48,892	48,892	48,892	48,892	48,892	48,892
All other.....	28,836	11,015	17,821	9,552	5,740	2,529								
Of mixed foreign parentage.....	87,920	87,920	87,920	87,920	87,920	87,920								

<sup>1</sup> Except possessions of the United States.<sup>2</sup> Probably includes a considerable proportion of Hebrews erroneously reported as of Russian mother tongue.

TABLE 24.—OWNERSHIP OF HOMES, FOR COUNTIES AND PLACES HAVING 10,000 INHABITANTS OR MORE: 1920.

COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.	COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.	
			Total.	Free.	Encum- bered.	Un- known.					Total.	Free.	Encum- bered.	Un- known.		
The state.....	900,232	493,177	382,834	219,035	155,473	8,326	24,221	COUNTIES—CON.								
COUNTIES.								Mono.....	301	85	189	144	13	32	27	
Alameda.....	89,733	48,138	40,114	21,771	17,788	555	1,481	Monterey.....	7,315	3,446	3,416	2,300	874	242	453	
Alpine.....	68	26	42	34	8	1	13	Napa.....	4,865	2,034	2,066	1,804	815	47	165	
Amador.....	1,949	880	1,056	941	107	8	13	Nevada.....	3,175	1,455	1,706	1,507	179	20	14	
Butte.....	7,917	3,360	4,305	2,840	1,425	40	252	Orange.....	16,434	7,417	8,599	4,681	3,802	116	418	
Calaveras.....	1,809	699	1,103	960	140	3	7	Placer.....	5,237	2,647	2,555	1,833	714	8	35	
Colusa.....	2,362	1,109	1,136	724	291	121	117	Plumas.....	1,570	947	539	443	75	21	84	
Contra Costa.....	12,871	6,694	5,700	3,533	2,239	128	477	Riverside.....	13,394	6,674	6,431	3,759	2,546	126	389	
Del Norte.....	793	441	331	262	67	2	21	Sacramento.....	23,235	13,827	8,758	5,000	3,647	111	650	
Eldorado.....	2,014	799	1,201	974	220	7	14	San Benito.....	2,376	1,032	1,213	774	385	54	131	
Fresno.....	31,337	13,605	16,900	7,095	9,213	592	832	San Bernardino.....	19,746	10,034	9,122	5,253	3,670	199	590	
Glenn.....	2,952	1,011	1,556	686	792	78	385	San Diego.....	33,145	18,551	13,732	8,714	4,811	207	862	
Humboldt.....	9,675	5,244	4,019	2,897	963	159	412	San Francisco.....	123,349	87,754	33,159	19,252	13,106	807	2,436	
Imperial.....	10,674	6,808	3,043	1,298	1,539	206	823	San Joaquin.....	19,597	9,527	9,362	4,623	4,312	427	708	
Inyo.....	2,089	1,026	837	634	172	31	226	San Luis Obispo.....	5,890	2,727	2,885	1,923	905	57	278	
Kern.....	13,990	7,361	5,617	3,454	1,990	173	1,012	San Mateo.....	9,052	3,716	5,027	2,976	1,883	168	309	
Kings.....	5,454	2,530	2,739	1,396	1,280	63	185	Santa Barbara.....	10,770	5,955	4,191	2,501	1,451	239	624	
Lake.....	1,582	499	1,001	666	322	13	82	Santa Clara.....	26,001	10,879	14,385	9,103	4,979	303	737	
Lassen.....	1,960	1,121	835	547	287	1	4	Santa Cruz.....	7,880	3,559	4,121	2,871	1,089	161	200	
Los Angeles.....	261,097	151,856	104,245	55,720	47,101	1,424	4,905	Shasta.....	3,725	1,822	1,873	1,504	349	20	30	
Madera.....	2,959	1,132	1,778	952	802	24	79	Sierra.....	608	201	406	387	19	1	1	
Marin.....	6,598	2,982	3,391	2,210	1,019	162	225	Siskiyou.....	5,000	2,678	2,275	1,746	523	6	47	
Mariposa.....	939	437	497	416	81	1	5	Solano.....	9,573	5,434	3,843	2,541	1,238	64	296	
Mendocino.....	6,288	2,969	3,025	2,192	744	89	294	Sonoma.....	14,233	5,276	8,428	5,332	3,013	83	529	
Mered.....	5,526	2,307	2,872	1,450	1,927	65	347	Stanislaus.....	10,919	4,282	6,332	2,895	3,159	278	305	
Modoc.....	1,492	552	932	643	287	2	8									



TABLE 24.—OWNERSHIP OF HOMES, FOR COUNTIES AND PLACES HAVING 10,000 INHABITANTS OR MORE: 1920—Con.

COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.	COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.
			Total.	Free.	Encum-bered.	Un-known.					Total.	Free.	Encum-bered.	Un-known.	
COUNTIES—con.								CITIES—con.							
Sutter.....	2,725	927	1,554	815	607	132	244	Oakland.....	55,793	31,776	22,966	12,087	10,538	341	1,051
Tehama.....	3,585	1,460	2,077	1,178	881	18	48	Pasadena.....	12,657	6,415	5,979	3,867	2,076	36	263
Trinity.....	804	297	503	433	69	1	4	Pomona.....	3,740	1,495	2,173	1,264	880	29	72
Tulare.....	14,835	6,314	7,999	3,819	4,007	173	522	Richmond.....	4,371	2,398	1,878	1,044	822	12	95
Tuolumne.....	2,198	1,034	1,117	925	178	14	47	Riverside.....	4,948	2,402	2,430	1,488	910	32	116
Ventura.....	7,389	4,164	2,811	1,570	1,070	171	414	Sacramento.....	17,263	11,012	5,819	3,258	2,515	46	432
Yolo.....	4,560	2,044	2,330	1,576	727	27	186	Assembly district 14..	8,860	5,362	3,277	1,682	1,570	25	221
Yuba.....	2,588	1,492	955	728	179	48	141	Assembly district 15..	8,403	5,650	2,542	1,576	945	21	211
CITIES.								San Bernardino.....	5,103	2,697	2,281	1,207	1,004	10	125
Alameda.....	7,886	3,852	3,969	2,201	1,746	22	65	San Diego.....	22,723	14,280	7,820	4,941	2,774	105	623
Bakersfield.....	4,808	2,834	1,619	963	631	25	355	San Francisco.....	123,349	87,754	33,159	19,252	13,100	807	2,436
Berkeley.....	15,159	8,324	6,663	3,564	3,044	55	172	Assembly district 21..	5,662	4,691	855	599	229	27	116
Eureka.....	3,361	1,784	1,433	1,003	341	89	144	Assembly district 22..	5,195	2,710	2,386	1,736	595	55	99
Fresno.....	11,234	5,776	5,239	2,602	2,576	61	219	Assembly district 23..	8,889	3,216	5,583	3,190	2,276	117	90
Glendale.....	3,998	1,619	2,329	991	1,205	133	50	Assembly district 24..	8,652	3,600	4,882	2,892	1,945	45	170
Long Beach.....	17,169	11,016	5,698	3,420	2,452	26	255	Assembly district 25..	8,951	7,122	1,713	1,137	534	42	116
Los Angeles.....	159,476	102,077	54,278	28,360	25,361	557	3,121	Assembly district 26..	11,343	8,020	3,162	2,001	1,117	44	161
Assembly district 61 <sup>1</sup> ..	11,540	5,830	5,420	2,500	2,879	41	290	Assembly district 27..	9,058	5,500	3,313	1,600	1,677	36	245
Assembly district 62 <sup>1</sup> ..	3,195	1,479	1,648	976	668	14	68	Assembly district 28..	11,337	5,927	5,092	2,193	2,643	256	318
Assembly district 63..	25,774	13,016	12,289	6,424	5,731	134	460	Assembly district 29..	9,515	8,370	892	563	305	24	253
Assembly district 64..	19,609	16,738	2,609	1,533	1,057	19	262	Assembly district 30..	10,582	9,132	1,203	724	431	48	247
Assembly district 65..	7,620	6,543	826	598	216	12	251	Assembly district 31..	8,890	6,515	2,143	1,452	650	41	232
Assembly district 66..	13,006	7,297	5,457	3,223	2,164	70	252	Assembly district 32..	16,611	15,452	1,007	579	408	20	152
Assembly district 69 <sup>1</sup> ..	731	226	465	194	265	6	40	Assembly district 33..	8,664	7,499	928	586	290	52	237
Assembly district 70 <sup>1</sup> ..	2	2						San Jose.....	10,669	5,264	5,168	3,532	1,519	117	237
Assembly district 71 <sup>1</sup> ..	17,294	9,304	7,746	3,768	3,913	65	244	Santa Ana.....	4,245	1,771	2,412	1,443	964	5	62
Assembly district 72..	19,141	9,453	9,433	4,246	5,103	84	255	Santa Barbara.....	5,363	2,835	2,313	1,207	894	212	215
Assembly district 73..	14,043	9,273	5,096	2,771	2,273	52	274	Santa Cruz.....	3,491	1,495	1,888	1,361	407	120	108
Assembly district 74..	10,928	9,271	1,180	731	432	17	477	Santa Monica.....	4,847	3,031	1,751	1,166	536	49	65
Assembly district 75..	15,993	13,645	2,109	1,396	670	43	239	Stockton.....	9,981	5,922	3,862	2,213	1,607	42	197
								Vallejo.....	4,647	3,028	1,497	949	525	23	122
								Venice.....	3,268	2,461	756	391	340	25	51

<sup>1</sup> Part of assembly district; remainder outside city.

TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920.

[Population 10 years of age and over—Total, 2,870,855; males, 1,531,798; females, 1,339,057. Persons gainfully occupied—Total, 1,512,760; males, 1,226,113; females, 286,647. Per cent of persons 10 years of age and over gainfully occupied—Total, 52.7; males, 80.0; females, 21.4.]

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (in- cludes age un- known).	45 to 64 years.	65 years and over.
		Native parent- age.	Foreign or mixed parent- age.									
<b>MALES.</b>	<b>1,226,113</b>	<b>535,616</b>	<b>269,747</b>	<b>345,501</b>	<b>15,065</b>	<b>60,184</b>	<b>30,755</b>	<b>41,479</b>	<b>126,174</b>	<b>620,003</b>	<b>352,125</b>	<b>55,577</b>
<b>Agriculture, forestry, and animal husbandry.</b>	<b>262,982</b>	<b>101,206</b>	<b>45,366</b>	<b>85,362</b>	<b>1,388</b>	<b>29,660</b>	<b>6,627</b>	<b>7,686</b>	<b>22,833</b>	<b>119,651</b>	<b>87,581</b>	<b>18,604</b>
Dairy farm and stock farm foremen.	660	347	149	159	1	4		3	38	370	216	24
Dairy farm laborers.	6,575	1,278	1,259	3,946	19	73	487	426	1,122	3,402	1,020	118
Dairy farmers.	7,552	1,914	1,191	4,373	18	96		45	443	4,535	2,283	246
Farm foremen, general farms.	3,564	1,930	776	700	12	146		23	202	1,906	1,180	154
Farm laborers (home farm).	4,991	2,523	1,852	451	18	147		1,312	762	1,313	223	71
Farm laborers (working out).	73,730	26,889	11,376	23,232	709	11,524	3,080	4,005	9,913	33,339	19,504	3,889
Farmers, general farms.	75,245	35,092	15,243	20,616	207	4,087		356	3,150	33,768	31,074	6,897
Fishermen and oystermen.	3,541	296	293	2,111	7	834	50	71	285	2,056	946	133
Fruit growers.	23,934	10,592	4,129	7,410	64	1,739		76	820	9,693	10,747	2,598
Garden laborers.	10,518	1,739	961	4,546	151	3,121	246	226	603	4,406	3,904	1,133
Gardeners.	5,619	953	433	1,861	15	2,357		25	189	3,143	1,815	447
Irrigators and ditch tenders.	785	371	135	227	3	49	22	24	84	400	237	18
Landscape gardeners.	589	210	76	278		25		3	32	241	260	53
Lumbermen, raftsmen, and woodchoppers.	8,088	2,739	1,164	3,741	34	410	180	250	718	4,105	2,395	440
Nurserymen.	620	178	86	200		156		4	28	276	259	53
Orchard and nursery laborers.	18,121	5,370	2,460	5,851	76	4,304	961	1,020	2,545	8,359	4,524	712
Orchard, nursery, etc., foremen.	1,317	780	212	254	1	70		5	81	728	446	57
Poultry raisers.	3,706	1,561	637	1,505	9	54		13	85	1,362	1,791	515
Poultry yard laborers.	728	290	187	227	1	23	77	31	79	305	177	59
Stock herders, drovers, and feeders.	5,261	2,132	902	2,060	20	147	193	250	701	2,322	1,470	325
Stock raisers.	5,196	2,786	1,340	996	13	61		18	222	2,272	2,225	459
All other occupations.	2,582	1,236	505	618	10	213	19	50	180	1,254	876	203
<b>Extraction of minerals.</b>	<b>24,620</b>	<b>12,032</b>	<b>5,060</b>	<b>7,048</b>	<b>64</b>	<b>416</b>	<b>205</b>	<b>554</b>	<b>2,150</b>	<b>12,114</b>	<b>8,107</b>	<b>1,490</b>
Copper mine operatives.	745	234	155	343	1	12	5	10	75	380	245	30
Foremen and overseers.	782	468	172	136		6			30	482	262	8
Gold and silver mine operatives.	8,418	3,153	2,199	2,874	16	176		59	134	472	3,417	814
Managers.	994	609	260	125					18	540	398	38
Oil and gas well operatives.	7,095	5,223	1,122	723	19	86		286	1,080	4,232	1,315	96
Operators.	830	471	182	162		15		1	15	232	459	123
Quarry operatives.	1,507	289	161	1,022	21	14	16	59	187	840	356	49
All other occupations.	4,249	1,585	809	1,663	7	185	39	64	273	1,886	1,655	332

<sup>1</sup> Includes 6,022 males of unknown age.



TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920—Con.

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.						
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.	
		Native parentage.	Foreign or mixed parentage.										
MALES—Continued.													
Manufacturing and mechanical industries.....	389,013	165,439	91,373	122,131	4,297	5,773	9,443	13,530	42,660	202,654	108,154	14,572	
Apprentices to building and hand trades:													
Machinists' apprentices <sup>1</sup> .....	1,505	748	591	157	4	5	1,028	298	159	17	3	.....	
Other apprentices to building and hand trades.....	1,181	614	433	123	6	5	831	169	122	45	13	1	
Apprentices, other.....	2,400	1,255	884	240	12	9	1,496	564	256	72	10	2	
Bakers.....	4,703	1,031	700	2,849	15	45	44	125	466	2,829	1,149	90	
Blacksmiths.....	8,872	3,945	2,265	2,588	53	21	.....	118	572	4,540	3,150	492	
Boiler makers.....	4,905	1,903	1,497	1,469	29	7	.....	143	700	3,188	828	46	
Brick and stone masons.....	2,441	868	599	890	76	8	.....	12	87	1,195	962	185	
Builders and building contractors.....	7,220	3,600	1,708	1,800	44	8	.....	12	114	3,229	3,392	473	
Cabinetmakers.....	2,443	659	398	1,354	11	21	.....	37	147	1,117	932	210	
Carpenters.....	44,934	22,998	9,352	12,210	210	104	154	539	2,470	20,128	18,240	3,397	
Compositors, linotypers, and typesetters.....	5,308	2,799	1,583	814	23	89	58	153	591	2,746	1,637	123	
Coopers.....	732	151	203	370	3	5	3	16	56	362	255	40	
Cranemen, derrickmen, hoistmen, etc.....	1,226	626	311	279	7	3	11	43	139	781	246	6	
Electricians.....	12,233	7,358	3,494	1,345	29	7	.....	502	2,038	8,141	1,495	57	
Electrotypers, stereotypers, and lithographers.....	558	209	226	119	3	1	9	20	70	297	151	11	
Engineers (stationary).....	15,024	8,821	3,427	2,675	60	41	91	284	1,290	8,419	4,496	444	
Engravers.....	544	221	205	112	2	1	.....	16	58	345	114	11	
Files, grinders, buffers, and polishers (metal).....	803	353	201	242	6	1	12	18	70	383	284	36	
Firemen (except locomotive and fire department).....	3,874	1,609	757	1,439	38	31	28	136	493	2,224	927	105	
Foremen and overseers (manufacturing).....	6,068	3,326	1,836	1,425	23	58	.....	42	366	4,126	2,029	106	
Forgemen, hammermen, and welders.....	1,159	651	322	183	3	.....	.....	54	223	741	133	8	
Furnacemen, smeltermen, heaters, pourers, etc.....	811	299	242	234	20	16	126	166	128	280	103	8	
Iron molders, foundrymen, and casters.....	2,595	827	893	835	40	.....	.....	78	312	1,551	587	57	
Jewelers and watchmakers (not in factory).....	1,429	543	381	472	5	28	.....	26	93	609	484	127	
Laborers (not otherwise specified):													
Building, general, and not specified laborers.....	35,175	11,040	5,380	15,983	1,012	1,760	881	1,225	3,565	16,382	11,017	2,105	
Chemical and allied industries.....	1,759	341	258	1,089	23	48	46	52	230	919	467	45	
Clay, glass, and stone industries—													
Brick, tile, and terra cotta factories.....	988	150	122	678	35	3	43	34	123	547	218	23	
Lime, cement, and artificial stone factories.....	1,549	302	155	1,049	35	8	27	44	196	939	328	15	
Other clay, glass, and stone industries.....	775	164	103	491	13	4	32	33	62	407	212	29	
Electric light and power plants.....	823	379	167	273	2	2	19	51	107	370	248	28	
Food industries—													
Butter, cheese, and condensed milk factories.....	756	285	141	315	8	7	34	50	102	389	159	22	
Fish curing and packing.....	897	207	103	175	9	403	38	26	68	312	340	113	
Fruit and vegetable canning, etc.....	2,941	770	483	1,134	13	541	148	160	368	1,211	885	109	
Slaughter and packing houses.....	1,891	515	272	1,040	49	15	85	108	259	891	481	67	
Sugar factories and refineries.....	1,491	183	162	1,129	5	12	22	47	198	891	299	34	
Other food industries.....	1,344	487	249	551	24	33	60	61	144	710	312	57	
Gas works.....	1,174	312	168	681	11	2	21	37	127	601	336	52	
Helpers in building and hand trades.....	2,448	942	566	797	130	13	134	169	296	1,186	598	65	
Iron and steel industries—													
Blast furnaces and steel rolling mills <sup>2</sup> .....	2,030	343	328	1,226	86	47	58	88	294	1,153	405	32	
Car and railroad shops.....	1,060	148	87	768	16	41	22	39	125	611	245	18	
Ship and boat building.....	8,918	2,498	1,565	4,219	393	243	293	504	1,423	4,584	1,936	178	
Other iron and steel industries.....	2,834	680	491	1,516	102	45	129	149	389	1,505	587	75	
Lumber and furniture industries—													
Saw and planing mills <sup>3</sup> .....	5,510	1,720	936	2,689	97	68	282	282	715	2,720	1,348	163	
Other lumber and furniture industries.....	722	235	141	309	7	30	56	56	86	326	181	17	
Metal industries, other than iron and steel.....	744	174	150	395	6	19	30	48	90	325	228	23	
Petroleum refineries.....	2,177	957	452	736	27	5	46	97	325	1,285	304	30	
Other industries.....	6,741	1,955	1,136	3,284	214	152	402	421	881	3,146	1,049	182	
Machinists.....	32,465	15,882	9,323	6,958	174	128	.....	1,520	5,678	19,143	5,656	408	
Managers and superintendents (manufacturing).....	7,230	4,025	1,999	1,155	1	59	.....	26	310	4,568	2,187	148	
Manufacturers.....	7,976	3,206	2,034	2,666	4	66	.....	18	209	4,019	3,273	457	
Mechanics (not otherwise specified).....	17,407	10,139	4,439	2,601	143	85	.....	1,006	3,843	10,384	1,960	214	
Millwrights.....	939	456	235	247	1	.....	.....	3	45	438	387	66	
Officials (manufacturing).....	1,142	624	316	198	1	3	.....	5	44	548	489	56	
Oilers of machinery.....	1,271	682	269	311	2	7	20	111	279	639	193	29	
Painters, glaziers, and varnishers (building).....	12,436	6,108	3,132	3,116	67	13	44	112	670	6,167	4,750	693	
Painters, glaziers, and varnishers (factory).....	2,637	1,155	709	740	16	17	48	51	217	1,432	801	88	
Pattern and model makers.....	758	294	278	185	1	.....	.....	35	89	416	188	30	
Plasterers and cement finishers.....	2,603	1,061	554	876	103	9	.....	10	108	1,455	914	116	
Plumbers and gas and steam fitters.....	9,227	4,316	3,280	1,593	33	5	.....	138	873	5,840	2,257	119	
Pressmen and plate printers (printing).....	895	449	334	107	.....	5	.....	.....	110	611	166	8	
Sawyers.....	946	421	204	312	7	2	.....	36	115	505	264	26	
Semiskilled operatives (not otherwise specified):													
Chemical and allied industries.....	1,029	366	263	356	13	31	43	42	133	515	267	29	
Cigar and tobacco factories.....	983	231	275	421	3	53	13	13	53	440	392	72	
Clay, glass, and stone industries—													
Glass factories.....	706	304	206	184	8	4	17	21	69	410	176	13	
Other clay, glass, and stone industries.....	1,134	374	198	542	17	3	17	23	113	647	304	30	
Clothing industries.....	1,598	371	382	687	18	140	47	56	154	846	449	46	
Electric light and power plants.....	1,084	679	243	160	2	.....	27	44	177	646	182	8	
Food industries—													
Butter, cheese, and condensed milk factories.....	848	330	200	309	3	6	28	30	124	491	160	15	
Candy factories.....	1,078	407	265	367	7	32	87	72	147	550	198	24	
Fruit and vegetable canning, etc.....	956	417	199	262	8	70	42	59	154	443	227	31	
Slaughter and packing houses.....	1,478	458	293	696	29	2	39	73	182	822	336	26	
Other food industries.....	1,723	615	406	579	9	114	145	66	216	829	412	55	
Iron and steel industries—													
Automobile factories.....	2,179	1,180	577	391	13	18	82	129	392	1,181	360	35	
Blast furnaces and steel rolling mills <sup>2</sup> .....	1,268	376	346	518	18	10	62	61	192	727	205	21	
Car and railroad shops.....	2,290	890	475	898	16	11	35	81	251	1,283	608	34	
Ship and boat building.....	11,580	4,777	3,314	3,254	172	63	497	900	2,224	5,943	1,877	139	
Other iron and steel industries.....	4,089	1,886	1,227	1,233	30	13	246	268	645	2,017	832	81	
Liquor and beverage industries.....	855	132	230	485	1	7	16	5	39	451	323	21	

<sup>1</sup> Many of the "Machinists' apprentices" probably are machine tenders.<sup>2</sup> Includes tinplate mills.<sup>3</sup> Includes box factories (wood).



**TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920—Con.**

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.						
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.	
		Native parentage.	Foreign or mixed parentage.										
MALES—Continued.													
Manufacturing and mechanical industries—Con.													
Semiskilled operatives (not otherwise specified)—Con.													
Lumber and furniture industries—													
Furniture factories.....	1,121	452	305	345	6	13	54	36	112	483	386	50	
Saw and planing mills <sup>1</sup> .....	3,030	1,346	797	846	13	28	150	124	319	1,609	734	94	
Other lumber and furniture industries.....	881	330	250	285	7	9	58	31	93	412	246	41	
Metal industries, other than iron and steel.....	817	282	254	273	1	7	49	44	114	381	203	26	
Petroleum refineries.....	860	462	218	178	2	—	15	40	144	497	154	10	
Printing, publishing, and engraving.....	892	344	350	182	4	12	101	78	98	427	162	26	
Textile industries—													
Hemp and jute mills.....	747	304	116	261	37	20	3	32	193	424	92	3	
Other textile industries.....	1,234	385	288	525	25	11	77	67	123	583	323	61	
Other industries.....	9,178	3,721	2,529	2,716	102	110	423	411	1,115	4,517	2,303	409	
Shoemakers and cobblers (not in factory).....	3,183	694	385	1,800	32	182	42	40	135	1,324	1,240	402	
Stonecutters.....	658	115	166	376	1	—	—	—	3	332	253	50	
Structural iron workers (building).....	697	316	204	173	2	—	—	—	9	483	136	5	
Tailors.....	6,146	572	633	4,599	74	268	6	32	226	3,424	2,201	257	
Tinsmiths and sheet metal workers.....	2,474	1,008	845	604	4	13	—	86	286	1,292	685	125	
Upholsterers.....	1,465	550	472	429	3	2	46	59	164	670	444	82	
All other occupations.....	4,490	2,037	1,170	1,231	22	36	5	72	405	2,515	1,303	196	
Transportation.....	115,159	52,090	24,303	35,109	1,959	1,698	2,132	3,955	13,779	64,964	27,627	2,702	
Baggage men and freight agents.....	570	322	160	85	3	—	—	26	60	286	178	11	
Boiler washers and engine hostlers.....	789	286	140	223	18	122	21	39	123	404	188	14	
Brakemen.....	2,771	1,365	686	214	3	3	—	25	290	1,974	464	18	
Captains, masters, mates, and pilots.....	2,156	617	356	1,177	4	2	—	17	150	1,256	658	75	
Chauffeurs.....	11,036	5,778	2,907	1,735	457	159	292	694	2,380	6,501	1,105	64	
Conductors (steam railroad).....	2,522	1,574	638	310	—	—	—	26	88	1,526	842	40	
Conductors (street railroad).....	3,565	2,039	818	706	1	1	15	119	476	2,186	742	27	
Draymen, teamsters, and expressmen <sup>2</sup> .....	19,991	10,652	5,371	3,319	481	168	510	1,005	2,932	10,480	4,497	567	
Express messengers and railway mail clerks.....	729	441	224	55	9	—	—	30	66	449	169	15	
Foremen and overseers (steam railroad).....	2,203	915	443	823	6	16	—	11	66	1,026	1,031	60	
Foremen and overseers (other transportation industries).....	1,718	969	436	299	6	8	—	11	89	1,003	576	39	
Garage keepers and managers.....	2,355	1,412	609	308	4	22	—	16	205	1,590	499	39	
Inspectors (steam railroad).....	1,323	735	277	302	9	—	—	6	62	874	362	19	
Laborers:													
Garage.....	1,434	731	308	254	99	42	224	168	256	565	194	27	
Road and street building and repairing.....	5,588	1,810	872	2,641	124	141	99	158	506	2,621	1,903	301	
Steam railroad.....	14,452	1,728	963	10,697	342	722	229	495	1,943	8,176	3,344	266	
Street railroad.....	1,041	131	75	730	12	93	9	26	106	507	355	38	
Other transportation industries.....	2,039	817	388	727	99	8	37	72	186	955	687	132	
Locomotive engineers.....	3,387	2,045	984	358	—	—	—	—	71	2,065	1,162	89	
Locomotive firemen.....	2,354	1,531	623	183	11	6	—	91	638	1,503	114	8	
Longshoremen and stevedores.....	3,728	690	868	2,115	44	11	11	23	172	2,354	1,110	58	
Mail carriers.....	2,462	1,404	768	226	57	7	45	58	167	1,374	752	66	
Motormen (street railroad).....	3,519	1,345	734	938	—	2	2	20	220	2,291	964	22	
Officials and superintendents (steam railroad).....	1,133	694	280	159	—	—	—	6	29	596	504	28	
Proprietors and managers of transfer companies.....	1,656	965	378	254	26	33	—	7	91	962	552	44	
Proprietors, officials, and managers (not otherwise specified).....	919	548	244	118	—	9	—	4	39	554	296	26	
Sailors and deck hands.....	6,939	1,936	763	4,122	57	61	185	400	989	4,033	1,224	108	
Switchmen and flagmen (steam railroad).....	2,944	1,776	705	448	12	3	5	16	162	1,661	868	232	
Telegraph and telephone linemen.....	1,237	819	310	124	2	2	8	31	159	788	172	7	
Telegraph operators.....	2,297	1,572	541	181	2	1	33	146	465	1,239	378	36	
Ticket and station agents.....	779	550	188	41	—	—	5	18	59	437	241	19	
All other occupations.....	5,303	2,393	1,246	1,237	71	56	402	191	525	2,660	1,497	228	
Trade.....	173,431	82,236	44,195	38,736	796	7,368	4,635	3,965	15,269	90,074	52,335	7,153	
Bankers, brokers, and money lenders:													
Bankers and bank officials.....	2,828	1,732	768	305	1	22	—	—	120	1,501	1,038	169	
Commercial brokers and commission men.....	1,562	712	461	349	1	39	—	—	75	803	600	72	
Stockbrokers.....	1,765	1,088	468	205	—	4	—	—	113	941	639	72	
Other brokers and money lenders.....	1,454	819	402	228	—	15	—	—	43	617	678	126	
Clerks in stores <sup>3</sup> .....	10,753	4,927	3,073	1,996	27	730	929	873	1,999	4,727	1,980	245	
Commercial travelers.....	6,124	3,455	1,751	899	3	13	—	44	404	3,683	1,818	175	
Decorators, drapers, and window dressers.....	546	273	180	91	1	1	30	29	107	308	65	7	
Deliverymen.....	6,668	3,375	1,834	1,320	62	77	418	453	1,133	3,663	928	73	
Floorwalkers and foremen in stores.....	831	440	224	158	5	4	—	5	51	463	284	28	
Fruit graders and packers.....	2,459	1,382	388	541	3	145	136	151	333	1,206	555	78	
Inspectors, gaugers, and samplers.....	607	345	156	92	13	1	—	15	53	360	167	12	
Insurance agents.....	4,813	2,712	1,204	812	15	40	—	31	268	2,563	1,045	306	
Laborers (lumberyards).....	4,029	1,398	692	1,881	27	31	110	129	367	2,010	1,254	159	
Laborers (warehouses).....	1,509	521	341	606	25	16	26	42	123	839	444	35	
Laborers, porters, and helpers in stores.....	3,713	1,303	800	1,062	219	429	308	180	405	1,650	1,024	146	
Meat cutters.....	1,157	652	268	234	1	2	17	30	89	683	313	25	
Newsboys.....	1,776	1,055	505	189	16	11	1,393	65	47	147	96	28	
Officials of insurance companies.....	634	368	168	97	1	—	—	18	358	236	22	22	
Packers, wholesale and retail trade.....	670	246	204	180	10	30	—	27	62	295	230	26	
Proprietors, officials, and managers (not otherwise specified).....	1,925	1,062	505	308	2	48	—	5	67	1,114	685	54	
Real estate agents and officials.....	11,908	7,357	2,677	1,806	50	18	—	29	300	4,590	5,752	1,207	
Retail dealers <sup>4</sup> .....	54,855	20,922	13,030	16,913	198	3,792	100	372	2,644	28,566	20,252	2,921	
Sales agents.....	2,642	1,619	725	286	—	12	—	54	289	1,647	552	70	
Salesmen (stores).....	41,744	21,887	11,537	6,567	72	1,681	1,109	1,367	5,789	23,749	8,899	831	
Undertakers.....	923	516	288	108	9	2	—	7	54	485	327	50	
Wholesale dealers, importers, and exporters.....	3,884	1,524	1,145	1,019	—	196	—	17	168	2,200	1,344	155	
All other occupations.....	1,642	746	398	454	30	8	29	28	148	906	470	61	

<sup>1</sup> Includes box factories (wood).<sup>2</sup> Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; and drivers for bakeries and laundries are classified with deliverymen in trade.<sup>3</sup> Many of the "Clerks in stores" probably are "Salesmen."<sup>4</sup> Includes, also managers and superintendents of retail stores.



TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920—Con.

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.
		Native parent-age.	Foreign or mixed parent-age.									
MALES—Continued.												
Public service (not elsewhere classified).....	44,383	25,658	10,615	7,156	480	474	1,428	5,608	7,527	18,218	9,758	1,754
Detectives, probation and truant officers.....	484	271	158	51	4	.....	.....	1	20	270	175	18
Firemen (fire department).....	2,728	1,207	1,196	322	3	.....	.....	14	237	1,974	488	15
Guards, watchmen, and doorknockers.....	4,622	2,044	1,031	1,456	71	20	8	13	73	1,016	2,631	881
Laborers (public service).....	3,786	1,168	610	1,759	213	36	39	87	235	1,792	1,391	242
Marshals and constables.....	458	275	133	48	.....	2	.....	.....	7	149	253	49
Officials and inspectors (city and county).....	2,553	1,440	789	323	1	.....	.....	51	974	1,294	234	234
Policemen.....	3,096	1,396	1,103	549	31	17	.....	1	70	1,969	900	66
Postmasters.....	637	382	179	72	2	2	.....	.....	9	269	299	60
Sheriffs.....	548	288	197	62	1	.....	.....	13	226	273	36	36
Soldiers, sailors, and marines <sup>1</sup> .....	21,406	14,757	4,212	1,926	135	376	1,337	5,566	6,490	7,274	706	33
United States officials (except postmasters).....	2,843	1,803	675	346	1	18	.....	.....	203	1,742	709	69
All other occupations.....	1,222	627	332	242	18	3	44	16	59	563	489	51
Professional service.....	64,901	36,739	15,580	11,320	429	833	431	808	5,031	35,486	19,797	3,348
Abstracters, notaries, and justices of peace.....	588	367	161	60	.....	.....	1	10	25	198	241	113
Actors.....	2,571	1,444	601	465	31	30	53	98	356	1,532	473	59
Architects.....	1,339	700	391	243	1	4	.....	.....	66	786	416	71
Artists, sculptors, and teachers of art.....	1,639	710	334	562	4	29	19	25	140	877	499	79
Authors.....	588	376	114	91	2	5	.....	3	20	315	202	48
Chemists, assayers, and metallurgists.....	1,624	799	409	306	3	7	.....	.....	243	890	337	54
Civil engineers and surveyors.....	5,051	3,292	1,219	531	2	7	.....	.....	513	3,328	1,039	171
Clergymen.....	4,017	1,810	654	1,315	143	95	.....	.....	60	1,559	1,917	481
College presidents and professors <sup>2</sup> .....	1,046	603	205	166	2	10	.....	.....	45	503	369	39
Dentists.....	3,121	1,851	883	312	9	66	.....	.....	210	1,833	990	88
Draftsmen.....	1,944	972	634	327	4	7	.....	104	451	1,138	222	29
Editors and reporters.....	1,798	1,079	392	244	3	80	6	36	181	940	535	100
Electrical engineers.....	1,646	1,074	373	196	1	2	.....	.....	137	1,191	299	19
Healers (except osteopaths and physicians and surgeons)	696	338	126	191	13	28	.....	1	11	304	313	67
Lawyers, judges, and justices.....	6,595	4,240	1,737	586	19	13	.....	.....	136	3,540	2,460	489
Mechanical engineers.....	2,857	1,383	853	619	.....	2	.....	.....	241	1,775	771	70
Mining engineers.....	1,368	775	355	238	.....	.....	.....	.....	23	687	559	99
Musicians and teachers of music.....	3,985	1,649	1,016	1,211	91	18	56	89	460	2,180	1,067	133
Officials of lodges, societies, etc.....	653	326	164	110	1	52	2	2	10	351	253	35
Photographers.....	2,314	1,249	510	466	10	79	55	88	297	1,220	592	62
Physicians and surgeons.....	6,006	3,612	1,333	940	28	93	.....	.....	75	2,782	2,616	533
Religious, charity, and welfare workers.....	886	408	171	185	9	33	3	13	63	415	303	69
Showmen.....	1,384	838	351	170	13	12	34	49	266	825	193	17
Teachers (school).....	4,202	2,769	853	509	13	58	4	17	285	2,558	1,197	141
Theatrical owners, managers, and officials.....	1,529	822	443	252	.....	12	.....	13	122	1,016	358	21
Trained nurses.....	652	373	146	133	.....	.....	15	88	110	275	153	11
All other occupations.....	4,922	2,760	1,152	892	27	91	183	172	485	2,409	1,423	260
Domestic and personal service.....	78,432	20,912	10,760	28,289	5,325	13,146	1,387	1,350	5,111	40,318	25,977	4,289
Barbers, hairdressers, and manicurists.....	8,590	3,721	1,582	2,696	242	349	26	52	354	5,003	2,904	251
Bartenders.....	1,126	266	262	525	14	29	2	3	35	677	376	31
Billiard and pool room keepers.....	1,007	374	169	233	17	114	.....	4	44	547	274	38
Boarding and lodging house keepers.....	1,529	501	222	525	19	262	.....	7	24	577	704	217
Bootblacks.....	1,044	90	71	660	226	3	.....	63	87	516	311	37
Charmen and cleaners.....	1,880	106	63	358	52	301	7	2	64	578	199	30
Cleaners and renovators (clothing, etc.).....	1,306	507	267	388	27	127	10	14	79	827	330	46
Elevator tenders.....	1,502	595	316	430	132	29	62	41	107	576	530	186
Hotel keepers and managers.....	3,407	1,221	621	1,345	25	195	.....	9	56	1,570	1,535	237
Housekeepers and stewards.....	1,687	531	307	753	46	50	.....	12	62	969	579	65
Janitors and sextons.....	7,775	2,071	1,098	2,911	1,026	669	171	76	230	2,662	3,538	1,068
Laborers (domestic and professional service).....	1,195	392	201	506	28	68	.....	37	79	512	400	131
Laundry operatives <sup>3</sup> .....	4,760	956	568	1,222	41	1,973	127	133	400	2,398	1,548	154
Laundry owners and proprietors <sup>4</sup> .....	1,655	142	84	270	3	156	.....	.....	14	380	250	11
Nurses (not trained).....	1,007	531	219	237	10	10	.....	9	83	516	326	73
Porters (steam railroad).....	950	45	3	24	867	11	3	14	94	607	222	10
Porters (except steam railroad and in stores).....	2,101	342	301	578	586	294	30	34	174	1,063	672	128
Restaurant, café, and lunch room keepers.....	4,120	995	547	1,933	56	589	.....	16	127	2,486	1,377	114
Saloon keepers.....	676	89	181	396	3	7	.....	1	9	305	334	27
Servants.....	23,260	4,735	2,421	8,006	1,140	6,958	678	585	1,938	11,497	7,394	1,168
Waiters.....	8,158	1,928	897	3,834	745	754	140	240	978	5,223	1,463	114
All other occupations.....	1,797	774	340	459	26	198	31	32	73	829	709	123
Clerical occupations.....	73,192	39,204	22,495	10,350	827	816	4,487	3,933	11,814	36,524	14,789	1,665
Accountants and auditors.....	6,057	3,621	1,845	1,181	1	9	.....	57	587	4,118	1,736	159
Agents.....	6,386	3,880	1,673	779	3	51	38	69	480	3,831	1,793	175
Bookkeepers and cashiers.....	13,142	6,854	4,028	1,888	19	353	251	639	2,504	6,098	2,632	358
Canvassers.....	896	485	242	162	2	5	25	11	67	415	316	62
Clerks (except clerks in stores).....	39,477	20,780	12,545	5,580	227	345	1,840	2,570	7,122	19,093	7,549	793
Collectors.....	1,650	861	501	207	7	14	61	69	182	761	494	83
Messenger, bundle, and office boys <sup>4</sup> .....	2,896	1,551	967	283	62	33	2,143	322	157	159	91	24
Stenographers and typists.....	2,088	1,172	604	210	6	6	109	196	655	939	178	11

<sup>1</sup> Includes only those resident in continental United States at the date of the enumeration.<sup>2</sup> Probably includes some teachers in schools below collegiate rank.<sup>3</sup> Some owners of hand laundries probably are included with laundry operatives.<sup>4</sup> Except telegraph messengers.



TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920—Con.

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.
		Native parent-age.	Foreign or mixed parent-age.									
<b>FEMALES</b> .....	286,647	139,832	84,556	50,628	6,620	5,011	12,416	18,868	50,770	138,817	58,993	6,783
<b>Agriculture, forestry, and animal husbandry</b> .....	9,965	3,802	1,868	2,499	117	1,679	400	197	669	3,687	3,914	1,098
Dairy farm, farm, and stock farm laborers.....	2,233	595	350	676	88	614	311	140	338	1,061	343	40
Dairy farmers and stock raisers.....	455	189	119	136	4	7	.....	.....	15	150	229	61
Farmers, general farms.....	3,299	1,057	719	820	14	83	.....	.....	47	304	1,305	583
Fruit growers.....	1,475	744	327	377	7	20	.....	.....	16	334	834	291
Garden laborers.....	666	28	24	88	1	525	24	27	113	413	81	8
Orchard and nursery laborers.....	654	110	63	120	1	354	47	27	91	371	108	10
Poultry raisers and poultry yard laborers.....	553	274	129	147	1	2	9	1	14	247	239	43
All other occupations.....	630	295	137	123	1	74	9	2	35	247	275	62
<b>Extraction of minerals (all occupations)</b> .....	78	37	17	15	1	8	4	3	11	43	14	3
<b>Manufacturing and mechanical industries</b> .....	41,618	17,152	12,861	10,513	508	564	2,840	2,793	4,911	19,653	10,521	900
Compositors, linotypers, and typesetters.....	383	227	118	33	1	4	8	38	51	220	61	5
Dressmakers and seamstresses (not in factory).....	10,674	5,137	2,949	2,128	309	151	25	85	409	4,799	4,816	540
Forewomen and overseers (manufacturing).....	710	321	201	98	.....	.....	.....	27	89	450	142	2
Laborers (not otherwise specified):												
Building, general, and not specified laborers.....	520	173	75	196	41	35	31	17	51	215	167	39
Food industries—												
Fruit and vegetable canning, etc.....	779	201	178	381	5	14	92	101	112	279	179	16
Other food industries.....	480	150	135	169	3	23	70	67	87	192	57	7
Other industries.....	1,445	457	418	527	21	22	251	184	240	576	187	7
Manufacturers, officials, and managers.....	847	409	281	156	.....	1	.....	.....	73	500	248	26
Milliners and millinery dealers.....	3,675	1,869	1,304	457	12	3	116	228	607	2,027	659	38
Semiskilled operatives (not otherwise specified):												
Cigar and tobacco factories.....	559	148	125	282	1	3	59	48	81	303	65	3
Clothing industries—												
Shirt, collar, and cuff factories.....	584	189	189	203	.....	3	32	37	83	313	115	4
Suit, coat, cloak, and overall factories.....	1,270	378	362	508	8	14	55	61	117	758	269	10
Other clothing industries.....	4,103	1,617	1,309	1,133	21	23	140	173	419	2,184	1,139	48
Food industries—												
Candy factories.....	1,441	596	524	309	3	9	239	239	304	554	99	6
Fish curing and packing.....	626	143	123	204	1	155	68	52	61	325	114	6
Fruit and vegetable canning, etc.....	1,459	456	374	589	12	28	182	154	198	620	286	19
Other food industries.....	1,366	468	462	423	4	9	227	167	255	564	137	16
Lumber and furniture industries.....	496	242	147	89	2	15	67	63	77	192	93	3
Printing, publishing, and engraving.....	916	436	389	90	.....	1	119	91	199	407	96	4
Textile industries.....	1,518	525	521	452	13	7	212	175	218	607	285	21
Other industries.....	5,308	2,148	1,805	1,305	35	15	678	673	919	2,281	716	41
Tailoresses.....	1,670	498	540	584	12	36	16	38	151	896	442	27
All other occupations.....	790	364	242	167	4	13	153	75	110	291	149	12
<b>Transportation</b> .....	9,689	5,532	3,369	745	36	17	943	1,672	3,325	3,435	298	16
Telegraph operators.....	773	426	291	55	.....	1	53	124	257	277	61	1
Telephone operators.....	8,238	4,816	2,916	494	7	5	862	1,517	2,974	2,745	133	7
All other occupations.....	678	290	152	196	29	11	28	31	94	413	104	8
<b>Trade</b> .....	35,968	19,377	11,102	5,030	128	331	2,131	2,739	5,729	18,408	6,432	529
Clerks in stores <sup>1</sup> .....	6,386	3,500	2,093	679	42	72	710	825	1,454	2,823	563	11
Fruit graders and packers.....	2,062	1,344	410	264	3	32	221	228	346	909	345	13
Insurance agents and officials.....	360	210	114	36	.....	.....	.....	23	23	102	120	12
Real estate agents and officials.....	2,804	1,632	698	461	9	4	.....	5	46	1,225	1,322	206
Retail dealers <sup>2</sup> .....	3,955	1,632	1,122	1,008	23	80	1	40	234	2,127	1,408	145
Saleswomen (stores).....	18,081	9,841	5,990	2,099	37	114	1,075	1,527	3,313	9,908	2,139	89
All other occupations.....	2,320	1,218	666	393	14	29	124	101	283	1,224	535	53
<b>Public service (not elsewhere classified)</b> .....	1,196	743	384	61	4	4	.....	12	121	702	341	20
Officials and inspectors (city and county).....	434	285	129	20	.....	.....	.....	.....	49	268	112	5
Postmistresses.....	489	312	159	14	.....	4	.....	10	47	272	147	13
All other occupations.....	273	146	96	27	4	.....	.....	2	25	162	82	2
<b>Professional service</b> .....	51,511	31,013	15,059	5,101	208	130	467	1,491	10,235	28,484	9,947	887
Actors and showmen.....	2,167	1,309	600	228	26	4	127	201	646	1,027	157	9
Artists, sculptors, and teachers of art.....	1,515	932	400	179	2	2	19	40	198	725	470	63
Authors.....	482	340	108	34	.....	.....	1	5	41	242	163	30
College presidents and professors.....	457	319	102	35	.....	1	.....	.....	56	286	109	6
Designers and draftsmen.....	393	208	116	69	.....	.....	.....	9	65	257	59	3
Editors and reporters.....	387	272	80	25	1	.....	5	19	53	201	93	16
Healers (except osteopaths and physicians and surgeons)	1,304	799	279	205	15	6	.....	1	12	514	675	102
Librarians.....	1,143	819	267	57	.....	.....	.....	29	164	636	285	29
Musicians and teachers of music.....	4,990	2,989	1,474	471	45	11	75	141	770	2,795	1,115	94
Photographers.....	599	378	147	68	3	5	26	48	101	316	101	7
Physicians and surgeons.....	808	511	183	109	2	3	.....	.....	22	352	376	58
Religious, charity, and welfare workers.....	1,472	838	361	243	18	12	3	17	125	792	408	67
Teachers (athletics, dancing, etc.).....	411	224	117	70	.....	.....	3	26	123	221	36	2
Teachers (school).....	22,684	14,161	6,973	1,454	43	53	16	239	4,829	13,423	3,904	273
Trained nurses.....	9,516	5,037	2,903	1,511	38	27	43	548	2,449	5,171	1,242	63
All other occupations.....	3,183	1,877	940	345	15	6	149	168	551	1,526	694	65

<sup>1</sup> Includes 825 females of unknown age.<sup>2</sup> Many of the "Clerks in stores" probably are "Saleswomen."<sup>3</sup> Includes, also, managers and superintendents of retail stores.<sup>4</sup> Probably includes some teachers in schools below collegiate rank.



TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920—Con.

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.
		Native parentage.	Foreign or mixed parentage.									
<b>FEMALES—Continued.</b>												
Domestic and personal service.....	76,409	29,294	17,020	22,400	5,501	2,194	2,311	2,647	7,192	36,784	24,301	3,174
Barbers, hairdressers, and manicurists.....	1,981	944	534	291	168	44	28	64	263	1,313	285	28
Boarding and lodging house keepers.....	5,265	2,626	1,211	1,274	99	55	.....	6	72	2,008	2,628	551
Cleaners and renovators (clothing, etc.).....	451	167	97	156	12	19	.....	12	37	277	113	6
Hotel keepers and managers.....	1,443	661	344	405	16	17	.....	.....	34	697	638	74
Housekeepers and stewardesses.....	9,344	4,192	2,310	2,493	102	102	.....	131	460	3,573	4,422	758
Janitors and sextons.....	1,261	407	317	402	117	18	.....	19	5	564	560	64
Laundresses (not in laundry).....	2,990	733	394	915	783	165	.....	31	38	1,27	1,404	201
Laundry operatives.....	6,066	2,208	1,546	1,946	180	186	.....	382	452	807	3,283	57
Nurses (not trained).....	9,883	5,225	2,611	2,013	110	24	.....	120	803	4,578	3,895	487
Restaurant, café, and lunch room keepers.....	916	362	211	215	90	38	.....	7	40	525	325	19
Servants.....	28,993	8,043	5,572	10,560	3,483	1,335	1,485	1,302	3,126	13,910	8,292	878
Waitresses.....	6,876	3,433	1,781	1,406	136	120	347	475	1,302	4,147	589	16
All other occupations.....	940	293	183	324	69	71	13	35	81	505	271	35
<b>Clerical occupations.....</b>	<b>60,213</b>	<b>32,882</b>	<b>22,886</b>	<b>4,264</b>	<b>117</b>	<b>64</b>	<b>3,320</b>	<b>7,514</b>	<b>18,577</b>	<b>27,621</b>	<b>3,225</b>	<b>156</b>
Accountants and auditors.....	882	528	298	56	.....	.....	.....	74	190	531	80	7
Agents.....	568	356	165	47	.....	.....	10	34	96	299	114	15
Bookkeepers and cashiers.....	17,103	9,339	6,502	1,219	19	24	747	1,636	4,773	8,872	1,040	35
Canvassers and collectors.....	305	188	86	28	3	.....	7	15	25	139	95	24
Clerks (except clerks in stores).....	15,116	8,467	5,485	1,106	41	16	873	1,736	4,270	6,994	1,186	51
Messenger, bundle, and office girls <sup>1</sup> .....	655	331	233	81	6	4	349	121	87	87	10	1
Stenographers and typists.....	25,584	13,673	10,116	1,727	48	20	1,334	3,698	9,130	10,699	706	23

<sup>1</sup> Except telegraph messengers.

TABLE 26.—WOMEN 15 YEARS OF AGE AND OVER IN EACH PRINCIPAL CLASS OF THE POPULATION ENGAGED IN GAINFUL OCCUPATIONS, CLASSIFIED BY MARITAL CONDITION, WITH A DISTRIBUTION OF THE MARRIED BY AGE PERIODS, FOR THE STATE: 1920.

CLASS OF POPULATION.	Aggregate.	MARRIED.						Single, widowed, divorced, and unknown.
		Total.	15 to 19 years.	20 to 24 years.	25 to 34 years.	35 to 44 years.	45 years and over.	
All classes.....	286,030	73,554	1,423	8,010	24,074	21,965	18,062	212,476
Native white—Native parentage.....	139,589	35,936	785	4,139	11,482	10,482	9,048	103,653
Native white—Foreign or mixed parentage.....	84,361	16,590	336	1,919	5,613	4,863	3,859	67,771
Foreign-born white.....	50,498	14,585	184	1,005	4,425	4,777	4,194	35,913
Negro.....	6,601	2,805	52	311	962	904	576	3,706
Indian.....	726	221	9	19	58	68	67	505
Chinese, Japanese, and all other.....	4,255	3,417	57	617	1,534	891	318	838

<sup>1</sup> Includes age unknown.



## SUPPLEMENTAL TABLES FOR INDIAN, CHINESE, AND JAPANESE POPULATION.

AGE, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	NUMBER: 1920			PER CENT: 1920			PER CENT: 1910		
	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
<b>Indian</b> .....	17,360	9,085	8,275	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	1,950	1,004	946	11.2	11.1	11.4	11.1	11.0	11.1
Under 1 year.....	404	200	195	2.3	2.3	2.4	2.3	2.3	2.3
5 to 9 years.....	2,045	1,037	1,008	11.8	11.4	12.2	11.9	11.7	12.2
10 to 14 years.....	1,919	1,001	918	11.1	11.0	11.1	10.9	10.8	11.0
15 to 19 years.....	1,828	911	917	10.5	10.0	11.1	10.8	10.8	10.9
20 to 44 years.....	5,673	3,051	2,622	32.7	33.6	31.7	32.0	32.4	31.5
45 years and over.....	3,797	2,008	1,789	21.9	22.1	21.6	22.7	22.8	22.7
Age unknown.....	148	73	75	0.9	0.8	0.9	0.6	0.5	0.6
18 to 44 years.....	6,412	3,451	2,961	36.9	38.0	35.8	36.2	36.6	35.7
21 years and over.....	9,258	4,971	4,287	53.3	54.7	51.8	53.2	53.9	52.5
<b>Chinese</b> .....	28,612	24,230	4,582	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	1,645	835	810	5.7	3.4	17.7	2.4	1.4	12.1
Under 1 year.....	350	172	178	1.2	0.7	3.9	0.4	0.2	2.3
5 to 9 years.....	1,471	820	651	5.1	3.4	14.2	2.3	1.3	12.3
10 to 14 years.....	1,158	703	455	4.0	2.9	9.9	3.1	2.3	10.6
15 to 19 years.....	1,486	1,120	366	5.2	4.6	8.0	6.6	6.5	8.0
20 to 44 years.....	10,274	8,522	1,752	35.7	35.2	38.2	36.6	35.9	43.3
45 years and over.....	12,659	12,120	539	43.9	50.0	11.8	45.6	48.7	13.5
Age unknown.....	110	110	9	0.4	0.5	0.2	3.5	3.9	0.3
18 to 44 years.....	10,991	9,080	1,911	38.1	37.5	41.7	39.7	39.0	47.1
21 years and over.....	22,635	20,437	2,201	78.6	84.3	48.0	84.0	86.8	55.0
<b>Japanese</b> .....	71,952	45,414	26,538	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	13,156	6,817	6,339	18.3	15.0	23.9	5.8	3.4	19.4
Under 1 year.....	3,186	1,658	1,528	4.4	3.7	5.8	1.5	0.9	4.7
5 to 9 years.....	5,493	2,882	2,611	7.6	6.3	9.8	1.9	1.2	6.2
10 to 14 years.....	1,848	993	855	2.6	2.2	3.2	0.8	0.5	2.1
15 to 19 years.....	2,832	1,909	863	3.9	4.3	3.3	4.2	4.2	3.8
20 to 44 years.....	30,973	25,278	14,695	55.6	55.7	55.4	81.2	83.8	66.3
45 years and over.....	8,469	7,345	1,124	11.8	16.2	4.2	4.9	5.5	1.9
Age unknown.....	181	130	51	0.3	0.3	0.2	1.2	1.4	0.3
18 to 44 years.....	41,436	26,264	15,172	57.6	57.8	57.2	84.6	87.3	69.2
21 years and over.....	47,596	32,157	15,409	66.1	70.8	58.1	84.8	88.1	66.0

## AGES OF THE CHINESE AND JAPANESE, FOR CITIES OF 25,000 OR MORE: 1920.

AGE PERIOD.	ALAMEDA.		BERKELEY.		FRESNO.		LONG BEACH.		LOS ANGELES.		OAKLAND.		PASADENA.		SACRAMENTO.		SAN DIEGO.		SAN FRANCISCO.		SAN JOSE.		STOCKTON.	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
<b>Chinese</b> .....	80	14	266	71	471	146	32	2	1,731	331	3,164	657	95	5	703	128	217	37	6,020	1,724	279	62	927	144
Under 5 years.....	1	4	9	9	16	21	1	1	67	66	127	84	.....	.....	42	22	13	3	290	327	10	9	27	28
Under 1 year.....	.....	.....	1	2	3	3	.....	.....	15	14	19	11	.....	.....	12	6	1	1	69	76	3	3	6	10
5 to 9 years.....	2	2	11	7	18	25	.....	.....	72	45	128	99	.....	.....	26	20	7	6	282	228	13	12	35	24
10 to 14 years.....	1	1	6	11	14	14	.....	.....	84	35	90	74	.....	.....	24	11	5	4	239	156	6	7	13	11
15 to 19 years.....	4	.....	34	4	41	23	4	.....	75	30	133	56	.....	.....	46	7	7	3	372	154	4	3	27	6
20 to 44 years.....	26	4	125	30	177	47	14	1	614	132	888	239	32	2	310	60	58	17	2,803	673	92	20	323	66
45 years and over.....	46	8	80	10	205	16	13	.....	812	21	1,795	105	58	.....	254	8	125	4	1,994	183	153	9	502	9
Age unknown.....	.....	.....	1	.....	.....	.....	.....	.....	7	2	3	.....	.....	.....	1	.....	2	.....	40	3	1	2	.....	.....
18 to 44 years.....	27	4	145	31	193	61	16	1	658	145	957	261	36	2	327	64	61	18	2,096	737	94	20	339	69
21 years and over.....	72	7	201	37	374	59	27	1	1,414	150	2,653	320	90	1	555	66	182	21	4,723	815	245	31	814	73
<b>Japanese</b> .....	355	289	545	366	720	399	230	145	7,417	4,201	1,651	1,058	250	133	1,202	774	555	217	3,408	1,950	207	114	512	328
Under 5 years.....	68	66	75	56	97	68	32	45	1,076	972	214	191	32	39	202	158	67	57	355	341	36	30	99	74
Under 1 year.....	16	9	16	8	24	17	4	11	278	252	52	43	12	9	54	37	18	20	74	73	8	5	19	29
5 to 9 years.....	38	36	35	30	66	41	11	6	427	361	122	111	10	6	81	87	18	16	138	164	22	10	38	41
10 to 14 years.....	20	18	17	20	26	31	4	4	144	110	41	51	4	.....	40	34	5	3	75	73	6	3	13	11
15 to 19 years.....	21	13	34	20	58	11	8	4	303	124	77	52	13	5	76	24	21	7	194	89	11	6	28	14
20 to 44 years.....	153	141	308	223	377	230	145	83	4,544	2,484	923	615	160	76	625	440	339	125	2,178	1,178	99	56	276	173
45 years and over.....	51	15	76	17	95	17	26	3	898	144	274	38	31	7	176	31	101	8	452	101	33	9	58	15
Age unknown.....	1	.....	.....	.....	1	1	4	.....	25	8	.....	.....	.....	.....	2	.....	4	1	16	4	.....	.....	.....	.....
18 to 44 years.....	169	147	324	233	402	234	148	85	4,693	2,550	958	638	168	80	663	451	354	127	2,288	1,228	105	61	286	181
21 years and over.....	205	151	374	238	464	242	175	83	5,355	2,548	1,181	632	184	80	786	455	438	133	2,570	1,238	130	64	320	186



## COMPOSITION AND CHARACTERISTICS.

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## SCHOOL ATTENDANCE, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			CHINESE: 1920			CHINESE: 1910			JAPANESE: 1920			JAPANESE: 1910		
	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
5 to 20 years, inclusive....	6,152	3,716	60.4	5,850	3,003	51.3	4,529	2,930	64.7	4,949	2,243	45.3	11,230	6,109	54.4	3,886	958	24.7
Male.....	3,110	1,812	58.3	2,935	1,549	52.8	2,958	1,826	61.7	3,883	1,670	43.0	6,440	3,615	56.1	2,976	678	22.8
Female.....	3,042	1,904	62.6	2,915	1,454	49.9	1,571	1,104	70.3	1,066	573	53.8	4,790	2,494	52.1	910	280	30.8
5 and 6 years.....	838	240	28.6	798	169	21.2	676	331	49.0	371	111	29.9	3,160	955	30.2	444	82	18.5
7 to 13 years.....	2,755	2,229	80.9	2,578	1,652	64.1	1,701	1,509	88.7	1,268	952	75.1	3,872	3,349	86.5	626	448	71.6
14 and 15 years.....	727	540	74.3	736	536	72.8	472	389	82.4	664	394	59.3	657	545	83.0	110	66	60.0
16 and 17 years.....	733	404	55.1	713	393	55.1	549	331	60.3	889	383	43.1	1,021	597	58.5	257	81	31.5
18 to 20 years.....	1,099	303	27.6	1,025	253	24.7	1,131	370	32.7	1,757	403	22.9	2,520	603	23.9	2,449	281	11.5

## ILLITERACY, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			CHINESE: 1920			CHINESE: 1910			JAPANESE: 1920			JAPANESE: 1910		
	Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
10 years and over.....	13,365	4,650	34.8	12,606	6,174	49.0	25,696	4,471	17.4	34,556	5,355	15.5	53,303	5,500	10.3	38,142	3,297	8.6
Male.....	7,044	2,239	31.8	6,458	2,932	45.4	22,575	3,681	16.3	32,103	4,495	14.0	35,715	2,829	7.9	33,490	2,567	7.7
Female.....	6,321	2,411	38.1	6,148	3,242	52.7	3,121	790	25.3	2,453	860	35.1	17,588	2,671	15.2	4,643	730	15.7
10 to 20 years.....	4,107	373	9.1	3,896	648	16.6	3,058	119	3.9	4,110	305	7.4	5,737	291	5.1	3,083	230	7.5
Male.....	2,073	208	10.0	1,957	308	15.7	2,138	91	4.3	3,442	217	6.3	3,558	161	4.2	2,557	166	6.5
Female.....	2,034	165	8.1	1,939	340	17.5	920	28	3.0	668	88	13.2	2,179	140	6.4	526	64	12.2
21 years and over.....	9,258	4,277	46.2	8,710	5,526	63.4	22,638	4,352	19.2	30,446	5,050	16.6	47,568	5,209	11.0	35,059	3,067	8.7
Male.....	4,971	2,031	40.9	4,501	2,624	58.3	20,437	3,590	17.6	28,661	4,278	14.9	32,157	2,678	8.3	30,942	2,401	7.8
Female.....	4,287	2,246	52.4	4,209	2,902	68.9	2,201	762	34.6	1,785	772	43.2	15,409	2,531	16.4	4,117	666	16.2



## POPULATION—CALIFORNIA.

SEX, ILLITERACY, AND VOTING AGE, FOR COUNTIES: 1920.

COUNTY.	TOTAL NUMBER.				10 YEARS OF AGE AND OVER.			21 YEARS OF AGE AND OVER.			
	Both sexes.	Per cent of total population.	Male.	Female.	Total number.	Illiterate.		Male.		Female.	
						Number.	Per cent.	Total number.	Number illiterate.	Total number.	Number illiterate.
INDIANS.											
The state.....	17,360	0.5	9,085	8,275	13,365	4,650	34.8	4,971	2,031	4,287	2,246
Alameda.....	56	( <sup>1</sup> )	19	37	49	6	.....	17	4	20	2
Alpine.....	102	42.0	55	47	87	55	.....	33	24	33	27
Amador.....	83	1.1	37	46	54	13	.....	16	7	19	6
Butte.....	225	0.7	123	102	175	48	27.4	68	21	54	23
Calaveras.....	65	1.1	29	36	49	32	.....	15	13	18	15
Colusa.....	112	1.2	60	40	90	51	.....	39	27	22	15
Contra Costa.....	137	0.3	71	66	81	33	.....	35	16	26	15
Del Norte.....	524	19.0	265	259	385	131	33.9	134	56	135	73
Eldorado.....	115	1.8	66	49	90	31	.....	33	11	31	15
Fresno.....	380	0.3	191	189	295	185	62.7	112	77	101	81
Humboldt.....	1,829	4.9	908	921	1,360	337	25.0	407	146	489	188
Imperial.....	1,185	2.7	667	518	924	401	43.4	403	179	270	162
Inyo.....	632	9.0	325	307	515	219	42.5	209	87	189	116
Kern.....	208	0.4	114	94	160	83	51.9	68	32	56	40
Kings.....	63	0.3	33	30	46	20	.....	13	9	15	10
Lake.....	294	5.4	157	137	235	130	55.3	95	58	89	67
Lassen.....	331	3.9	156	175	253	159	62.8	99	73	100	75
Los Angeles.....	281	( <sup>1</sup> )	167	114	245	13	5.3	105	5	78	8
Madera.....	392	3.2	187	205	307	122	39.7	93	45	112	68
Mariposa.....	94	3.4	44	50	80	35	.....	31	12	33	22
Mendocino.....	1,056	4.4	541	515	796	293	36.8	317	132	295	145
Modoc.....	475	8.8	235	240	377	200	53.1	140	96	136	97
Mono.....	252	26.3	110	142	195	98	50.3	62	34	78	55
Orange.....	990	1.6	539	451	665	287	43.2	267	126	195	118
Placer.....	115	0.6	63	52	101	30	29.7	43	12	27	13
Plumas.....	332	5.8	172	160	253	57	22.5	55	24	59	30
Riverside.....	1,958	3.9	1,028	930	1,634	219	13.4	436	92	306	101
Sacramento.....	53	0.1	28	25	44	10	.....	20	7	10	2
San Bernardino.....	1,029	1.4	580	449	748	325	43.6	309	145	231	151
San Diego.....	1,352	1.2	727	625	1,070	316	29.5	427	144	369	152
Santa Barbara.....	50	0.1	27	23	30	11	.....	15	6	13	5
Shasta.....	610	4.6	308	302	470	191	40.6	177	79	177	97
Sierra.....	65	3.6	32	33	56	40	.....	21	19	21	18
Siskiyou.....	624	3.4	296	328	470	141	30.0	150	50	181	88
Sonoma.....	357	0.7	184	173	247	80	32.4	89	31	83	46
Tehama.....	125	1.0	69	56	93	31	.....	41	14	33	17
Trinity.....	99	3.9	50	49	81	19	.....	32	9	23	7
Tulare.....	246	0.4	135	111	176	51	29.0	77	25	49	23
Tuolumne.....	73	0.9	44	29	58	23	.....	24	10	21	13
All other counties *.....	391	( <sup>1</sup> )	237	154	330	123	37.3	184	74	90	40

<sup>1</sup> Less than one-tenth of 1 per cent.<sup>2</sup> Comprises those counties in which there are fewer than 50 Indians.



## COMPOSITION AND CHARACTERISTICS.

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SEX, ILLITERACY, AND VOTING AGE, FOR COUNTIES: 1920—Continued.

COUNTY.	TOTAL NUMBER.				10 YEARS OF AGE AND OVER.			21 YEARS OF AGE AND OVER.			
	Both sexes.	Per cent of total population.	Male.	Female.	Total number.	Illiterate.		Male.		Female.	
						Number.	Per cent.	Total number.	Number illiterate.	Total number.	Number illiterate.
CHINESE.											
The state.....	28,812	0.8	24,230	4,582	25,696	4,471	17.4	20,437	3,590	2,201	762
Alameda.....	4,505	1.3	3,744	761	4,013	581	14.5	3,146	478	382	98
Butte.....	289	1.0	266	23	271	97	35.8	227	82	17	12
Colusa.....	107	1.8	157	10	160	35	21.9	142	34	5	1
Contra Costa.....	343	0.6	326	17	333	60	18.0	299	55	7	2
Fresno.....	998	0.8	808	190	883	137	15.5	677	106	78	26
Glenn.....	130	1.1	122	8	125	69	55.2	115	65	4	3
Imperial.....	88	0.2	86	2	88	25	28.3	80	24	2	1
Kern.....	557	1.0	456	101	492	122	24.8	400	111	37	9
Kings.....	451	2.0	377	74	400	77	19.3	325	56	35	19
Lassen.....	71	0.8	71	0	71	56	78.9	71	56	0	0
Los Angeles.....	2,591	0.3	2,219	372	2,327	332	14.3	1,867	255	173	68
Madera.....	73	0.6	68	5	70	11	15.7	64	10	2	1
Marin.....	252	0.9	234	18	241	35	14.5	200	27	9	3
Mendocino.....	176	0.7	159	17	167	25	15.0	146	19	7	3
Merced.....	135	0.5	125	10	131	25	19.1	112	17	7	4
Monterey.....	748	2.7	635	113	690	238	34.5	554	201	63	30
Napa.....	126	0.6	118	8	125	36	28.8	110	33	5	2
Nevada.....	120	1.1	80	31	100	33	33.0	72	27	19	6
Placer.....	419	2.3	378	41	372	77	20.7	327	67	21	10
Plumas.....	75	1.3	67	8	66	20	30.3	51	19	3	1
Riverside.....	103	0.2	96	7	100	35	35.0	92	34	3	1
Sacramento.....	1,954	2.1	1,615	339	1,672	170	10.2	1,293	111	159	55
San Benito.....	104	1.2	88	16	90	25	27.8	71	20	7	5
San Bernardino.....	107	0.1	101	6	105	45	42.9	93	44	4	1
San Diego.....	307	0.3	264	43	273	19	7.0	225	17	25	1
San Francisco.....	7,744	1.5	6,020	1,724	6,617	991	15.0	4,723	603	815	295
San Joaquin.....	1,810	2.3	1,656	153	1,693	136	8.0	1,509	120	81	10
San Luis Obispo.....	77	0.4	66	11	72	18	25.0	57	16	6	2
San Mateo.....	342	0.9	302	40	301	40	13.3	256	26	18	12
Santa Barbara.....	341	0.8	315	26	318	41	12.9	279	38	13	2
Santa Clara.....	839	0.8	728	111	756	132	17.5	641	109	56	21
Santa Cruz.....	215	0.8	176	39	191	39	20.4	157	34	16	5
Siskiyou.....	126	0.7	118	8	119	22	18.5	104	21	2	1
Solano.....	669	1.6	601	68	619	289	46.7	530	257	33	21
Sonoma.....	183	0.4	158	25	172	36	20.9	144	30	11	4
Stanislaus.....	87	0.2	80	7	80	35	43.8	69	29	4	2
Tehama.....	161	1.2	139	22	147	15	10.2	123	11	9	4
Trinity.....	51	2.0	40	11	50	8	16.0	37	6	6	2
Tulare.....	231	0.4	215	16	221	65	29.4	194	60	12	5
Ventura.....	155	0.5	141	14	142	17	12.0	122	16	7	1
Yolo.....	175	1.0	159	16	161	45	28.0	146	41	5	3
Yuba.....	359	3.5	332	27	338	77	22.8	293	74	13	3
All other counties <sup>1</sup> .....	349	0.2	315	34	334	80	24.0	293	71	20	8

<sup>1</sup> Comprises those counties in which there are fewer than 50 Chinese.



## POPULATION—CALIFORNIA.

SEX, ILLITERACY, AND VOTING AGE, FOR COUNTIES: 1920—Continued.

COUNTY.	TOTAL NUMBER.				10 YEARS OF AGE AND OVER.			21 YEARS OF AGE AND OVER.				
	Both sexes.	Per cent of total population.	Male.	Female.	Total number.	Illiterate.		Male.		Female.		
						Number.	Per cent.	Total number.	Number illiterate.	Total number.	Number illiterate.	
JAPANESE.												
The state.....	71,952	2.1	45,414	26,538	53,303	5,500	10.3	32,157	2,678	15,409	2,531	
Alameda.....	5,221	1.5	3,135	2,086	3,919	287	7.3	2,154	122	1,229	162	
Butte.....	423	1.4	307	116	345	45	13.9	235	29	75	18	
Colusa.....	275	3.0	207	68	227	25	11.0	163	11	47	11	
Contra Costa.....	846	1.6	553	293	636	69	10.8	415	49	183	19	
Fresno.....	5,732	4.5	3,781	1,951	4,313	693	16.1	2,714	367	1,125	278	
Glenn.....	122	1.0	83	39	93	3	-----	63	2	24	1	
Imperial.....	1,986	4.6	1,435	551	1,593	183	11.5	1,164	90	329	88	
Inyo.....	82	1.2	51	31	70	29	-----	39	16	21	11	
Kern.....	338	0.6	242	96	249	66	26.5	165	35	59	29	
Kings.....	594	2.7	383	211	448	126	28.1	288	65	126	54	
Los Angeles.....	19,911	2.1	12,221	7,690	14,434	1,115	7.7	8,498	513	4,464	538	
Madera.....	136	1.1	95	41	97	3	-----	68	2	23	1	
Marin.....	140	0.5	85	55	107	5	4.7	63	2	38	3	
Mendocino.....	66	0.2	40	10	36	5	-----	27	3	8	1	
Merced.....	420	1.7	240	171	279	41	14.7	172	21	82	20	
Monterey.....	1,614	5.8	993	651	1,093	98	9.0	611	57	352	35	
Napa.....	79	0.4	51	28	63	12	-----	43	8	16	4	
Orange.....	1,491	2.4	912	579	1,001	102	10.2	577	48	323	47	
Placer.....	1,474	7.0	843	631	994	58	5.8	542	30	329	27	
Riverside.....	626	1.2	395	231	473	141	29.8	283	79	136	53	
Sacramento.....	5,800	6.4	3,593	2,207	4,194	290	6.9	2,397	139	1,254	137	
San Benito.....	427	4.7	248	179	290	77	26.6	156	29	90	45	
San Bernardino.....	533	0.7	364	169	403	64	15.9	280	33	93	28	
San Diego.....	1,431	1.3	1,003	428	1,141	50	4.4	789	23	271	22	
San Francisco.....	5,368	1.1	3,408	1,950	4,360	277	6.4	2,570	87	1,238	174	
San Joaquin.....	4,354	5.4	2,936	1,418	3,359	101	3.0	2,222	44	855	54	
San Luis Obispo.....	501	2.3	341	160	388	104	26.8	258	66	91	28	
San Mateo.....	663	1.8	405	258	498	25	5.0	295	10	158	13	
Santa Barbara.....	930	2.3	615	315	689	63	9.1	440	31	177	28	
Santa Clara.....	2,981	3.0	1,779	1,202	2,065	444	21.5	1,109	207	653	219	
Santa Cruz.....	1,019	3.9	582	437	693	109	15.7	353	35	239	73	
Solano.....	1,017	2.5	668	349	789	222	28.1	500	130	222	78	
Sonoma.....	506	1.0	280	226	339	26	7.7	174	12	110	12	
Stanislaus.....	478	1.1	297	181	343	62	18.1	220	29	99	29	
Sutter.....	373	3.7	240	133	277	82	29.6	178	52	78	27	
Tehama.....	95	0.7	60	35	81	4	-----	51	2	24	2	
Tulare.....	1,602	2.7	1,101	501	1,241	95	7.7	861	51	288	38	
Ventura.....	675	2.3	435	240	516	68	13.2	325	39	138	26	
Yolo.....	1,152	6.7	704	448	788	137	17.4	460	61	245	72	
Yuba.....	355	3.4	231	124	266	68	25.6	155	37	68	26	
All other counties <sup>1</sup> .....	136	0.2	93	43	113	23	20.4	80	12	29	10	

<sup>1</sup>Comprises those counties in which there are fewer than 50 Japanese.



# AGRICULTURE—CALIFORNIA.

## INTRODUCTION.

In the following pages are presented all of the published results of the 1920 census of agriculture for this state and its counties, except certain detailed tabulations for the state which appear in Volume V of the Fourteenth Census Reports and a few minor items which have been published in special bulletins. The statistics of farms and farm property, including live stock, relate to January 1, 1920; those of live-stock

products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

## FARMS AND FARM PROPERTY.

TABLE 1.—SUMMARY: 1920 AND 1910.

ITEM.	1920 (January 1)	1910 (April 15)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population, total.....	3,426,861	2,377,549	1,049,312	44.1
Rural <sup>2</sup> .....	1,095,132	907,810	187,322	20.6
Urban.....	2,331,729	1,469,739	861,990	58.6
Per cent rural.....	32.0	38.2		
Number of farms.....	117,670	88,197	29,473	33.4
Approximate land area of the state.....acres..	99,617,280	99,617,280		
All land in farms.....acres..	29,365,667	27,931,444	1,434,223	5.1
Improved land in farms.....acres..	11,878,339	11,389,894	488,445	4.3
Woodland in farms.....acres..	4,252,287	4,541,767	-289,480	-6.4
Other unimproved land in farms.....acres..	13,235,041	11,999,783	1,235,258	10.3
Per cent of land area in farms.....	29.5	28.0		
Per cent of farm land improved.....	40.4	40.8		
Average acreage per farm.....	249.6	316.7	-67.1	-21.2
Average improved acreage per farm.....	100.9	129.1	-28.2	-21.8
Value of all farm property.....	\$3,431,021,861	\$1,614,694,584	\$1,816,327,277	112.5
Land and buildings.....	3,073,811,109	1,450,601,488	1,623,209,621	111.9
Land alone.....	2,783,054,977	1,317,195,448	1,465,859,529	111.3
Buildings.....	290,756,132	133,406,040	157,350,092	117.9
Implements and machinery.....	136,069,290	36,493,158	99,576,132	272.9
Live stock.....	221,141,462	127,599,938	93,541,524	73.3
Average value per farm:				
All farm property.....	29,153	18,308	10,850	59.3
Land and buildings.....	26,122	16,447	9,675	58.8
Land alone.....	23,651	14,935	8,716	58.4
Buildings.....	2,471	1,513	958	63.3
Implements and machinery.....	1,156	414	742	179.2
Live stock.....	1,879	1,447	432	29.9
Average value per acre of land in farms:				
All farm property.....	116.84	57.81	59.03	102.1
Land and buildings.....	104.67	51.93	52.74	101.6
Land alone.....	94.77	47.16	47.61	101.0
Buildings.....	9.90	4.78	5.12	107.1
Implements and machinery.....	4.63	1.31	3.32	253.4
Live stock.....	7.53	4.57	2.96	64.8

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Population residing outside of incorporated places having 2,500 inhabitants or over. The rate of increase in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 834,540. For this territory, the increase in population between 1910 and 1920 was 31.2 per cent, which percentage indicates the rate of growth of the rural population, leaving out of consideration the changes in classification of territory.



COUNTIES, PRINCIPAL CITIES, RIVERS, AND MOUNTAINS.





EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

**Farmer.**—A "farmer" or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

**Farm owners** include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

**Improved land** includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

**Woodland** includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

**All other unimproved land** includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land im- prov- ed.
	Num- ber.	Per cent of in- crease. <sup>1</sup>	All land.		Improved land.			
			Acres.	Per cent of in- crease. <sup>1</sup>	Acres.	Per cent of in- crease. <sup>1</sup>		
1920.....	117,670	33.4	29,365,667	5.1	11,878,339	4.3	29.5	40.4
1910.....	88,197	21.6	27,931,444	—3.1	11,389,894	—4.8	28.0	40.8
1900.....	72,542	37.1	28,828,951	34.5	11,958,837	—2.2	28.9	41.5
1890.....	52,894	47.2	21,427,293	29.1	12,222,839	14.6	21.5	57.0
1880.....	35,934	51.5	16,593,742	45.2	10,660,698	71.6	16.6	64.3
1870.....	23,724	26.8	11,427,165	30.9	6,218,133	151.9	11.5	54.4
1860.....	18,716	.....	8,730,034	124.2	2,468,034	.....	8.7	28.3
1850.....	872	.....	3,893,985	.....	32,454	.....	3.9	0.8

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when more than 1,000.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase.
1920...	\$3,431,021,861	112.5	\$3,073,811,109	111.9	\$136,069,290	272.9	\$221,141,462	73.3
1910...	1,614,694,584	102.7	1,450,601,488	104.9	30,493,158	71.2	127,593,938	89.6
1900...	796,527,955	2.5	707,912,960	1.5	21,311,670	45.1	67,303,325	2.6
1890...	777,381,767	149.2	697,116,630	166.0	14,689,710	73.9	65,575,427	58.0
1880...	311,997,443	69.1	262,051,282	85.5	8,447,744	58.9	41,498,417	9.3
1870 <sup>1</sup> ...	184,521,470	112.4	141,240,028	189.9	5,316,690	107.8	37,964,752	6.7
1860...	86,870,327	.....	48,726,804	.....	2,558,506	.....	35,585,017	961.9
1850...	7,328,582	.....	3,874,041	.....	193,483	.....	3,351,058	.....

<sup>1</sup> Per cent not shown when more than 1,000.

<sup>2</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.

[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Improved land.	All farm property.	Land and buildings.	Implements and machinery.	Live stock.
1920.....	249.6	100.9	\$29,158	\$26,122	\$1,156	\$1,879
1910.....	316.7	129.1	18,308	16,447	414	1,447
1900.....	397.4	164.9	10,980	9,759	294	928
1890.....	405.0	231.1	14,697	13,180	278	1,240
1880.....	461.8	296.9	8,683	7,293	235	1,155
1870 <sup>1</sup> .....	481.7	262.1	7,778	5,953	224	1,600
1860.....	466.4	131.9	4,642	2,603	137	1,901
1850.....	4,465.6	37.2	8,404	4,443	119	3,843

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Implements and machinery.	Live stock.
1920.....	\$116.84	\$104.67	\$94.77	\$9.90	\$4.83	\$7.53
1910.....	57.81	51.93	47.16	4.78	1.31	4.57
1900.....	27.63	24.56	21.87	2.69	0.74	2.33
1890.....	36.28	32.53	.....	.....	0.69	3.06
1880.....	18.80	15.79	.....	.....	0.51	2.50
1870 <sup>1</sup> .....	16.15	12.36	.....	.....	0.47	3.32
1860.....	9.95	5.58	.....	.....	0.29	4.08
1850.....	1.88	0.99	.....	.....	0.03	0.86

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.



## FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	117,670	88,197	29,473	33.4	100.0	100.0
Under 20 acres.....	34,067	22,525	11,542	51.2	29.0	25.5
Under 3 acres.....	2,904	1,269	1,635	128.8	2.5	1.4
3 to 9 acres.....	13,793	9,324	4,469	47.9	11.7	10.6
10 to 19 acres.....	17,370	11,932	5,438	45.6	14.8	13.5
20 to 49 acres.....	31,723	20,614	11,109	53.9	27.0	23.4
50 to 99 acres.....	15,034	10,630	4,404	40.8	12.8	12.1
100 to 174 acres.....	13,217	12,015	1,202	10.0	11.2	13.6
175 to 499 acres.....	13,671	12,551	1,120	8.9	11.6	14.2
175 to 259 acres.....	5,329	4,609	631	13.5	4.5	5.3
260 to 499 acres.....	8,351	7,882	469	6.2	7.1	8.9
500 to 999 acres.....	5,052	5,119	-67	-1.3	4.3	5.8
1,000 acres and over.....	4,906	4,693	213	4.5	4.2	5.3

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	117,670	88,197	72,542	52,894	35,934
Under 10 acres.....	16,697	10,593	6,816	2,827	1,207
10 to 19 acres.....	17,370	11,932	8,236	4,010	1,430
20 to 49 acres.....	31,723	20,614	13,110	7,691	3,475
50 to 99 acres.....	15,034	10,680	8,097	5,706	3,069
100 to 499 acres.....	28,888	24,565	26,201	24,531	20,214
500 to 999 acres.....	5,052	5,119	5,329	4,367	3,108
1,000 acres and over.....	4,906	4,693	4,753	3,672	2,531
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	14.2	12.0	9.4	5.3	3.4
10 to 19 acres.....	14.8	13.5	11.4	7.6	4.0
20 to 49 acres.....	27.0	23.4	18.1	14.5	9.7
50 to 99 acres.....	12.8	12.1	11.1	11.0	11.0
100 to 499 acres.....	22.8	27.9	36.1	46.4	56.3
500 to 999 acres.....	4.3	5.8	7.3	8.3	8.6
1,000 acres and over.....	4.2	5.3	6.5	6.9	7.0

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	29,365,667	27,931,444	11,878,339	11,389,894	\$3,073,811,109	\$1,450,601,488
Under 20.....	296,403	200,822	230,508	189,079	321,745,428	131,881,517
20 to 49.....	981,153	625,951	861,487	558,296	513,815,809	192,799,674
50 to 99.....	1,045,972	752,951	855,192	600,140	382,383,474	149,394,265
100 to 174.....	1,841,847	1,702,450	1,153,733	972,519	347,609,049	161,032,374
175 to 499.....	4,095,679	3,816,706	2,336,735	2,236,957	529,940,601	271,773,253
500 to 999.....	3,460,412	3,535,598	1,759,337	1,816,502	266,244,019	164,156,073
1,000 and over.....	17,638,199	17,289,951	4,588,347	4,956,801	667,022,669	377,563,732

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910
Total.....	40.4	40.8	\$28,122	\$16,447	\$104.67	\$51.93
Under 20 acres.....	94.6	94.4	9,444	5,944	1,085.50	666.67
20 to 49 acres.....	87.8	80.2	17,143	9,353	554.26	308.01
50 to 99 acres.....	81.8	79.7	25,435	13,988	365.58	198.41
100 to 174 acres.....	62.6	55.9	26,300	13,403	188.73	94.20
175 to 499 acres.....	58.3	58.3	38,109	21,654	127.20	71.21
500 to 999 acres.....	50.6	52.2	57,451	32,068	83.73	46.43
1,000 acres and over.....	26.0	28.9	135,961	80,453	37.82	21.84

## FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Num-ber.	Per cent.	1920	1910
Total.....	117,670	88,197	29,473	33.4	100.0	100.0
Owners.....	87,580	66,632	20,948	31.4	74.4	75.5
Owning entire farm.....	75,882	56,500	19,382	34.3	64.5	64.1
Hiring additional land.....	11,698	10,132	1,566	15.5	9.9	11.5
Managers.....	4,949	3,417	1,532	44.8	4.2	3.9
Tenants.....	25,141	18,148	6,993	38.5	21.4	20.6
Share tenants.....	9,643	6,135	3,508	57.2	8.2	7.0
Share-cash tenants.....	742	704	38	5.4	0.6	0.8
Cash tenants.....	14,230	9,737	4,493	46.1	12.1	11.0
Unspecified.....	526	1,572	-1,046	-66.5	0.4	1.8

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	117,670	88,197	72,542	52,894	35,934
Farms operated by owners.....	87,580	66,632	52,529	43,439	28,810
Owning entire farm.....	75,882	56,500	44,318	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	11,698	10,132	8,211	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by managers.....	4,949	3,417	3,253	( <sup>3</sup> )	( <sup>2</sup> )
Farms operated by tenants.....	25,141	18,148	16,760	9,495	7,124
Share tenants.....	9,643	6,135	7,686	4,831	3,915
Share-cash tenants.....	742	704			
Cash tenants.....	14,230	9,737	9,074	4,574	3,209
Unspecified.....	526	1,572			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	74.4	75.5	72.4	82.2	80.2
Owning entire farm.....	64.5	64.1	61.1	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	9.9	11.5	11.3	( <sup>2</sup> )	( <sup>2</sup> )
Operated by managers.....	4.2	3.9	4.5	( <sup>3</sup> )	( <sup>2</sup> )
Operated by tenants.....	21.4	20.6	23.1	17.8	19.8
Share and share-cash.....	8.8	7.8	10.6	9.1	10.9
Cash and unspecified.....	12.5	12.8	12.5	8.6	8.9

<sup>1</sup> Includes farms operated by managers.<sup>2</sup> Not reported separately.<sup>3</sup> Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	29,365,667	27,931,444	11,878,339	11,389,894	\$3,073,811,109	\$1,450,601,488
Owners.....	17,193,215	15,125,339	6,813,212	6,464,472	1,900,924,411	882,447,391
Managers.....	5,485,447	6,604,972	1,587,518	1,728,625	442,032,436	229,544,415
Tenants.....	6,684,005	6,201,133	3,471,609	3,196,797	730,854,262	338,609,243

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	74.4	75.5	58.6	54.2	57.4	56.8	61.8	60.8
Managers.....	4.2	3.9	18.7	23.6	13.4	15.2	14.4	15.8
Tenants.....	21.4	20.6	22.8	22.2	29.2	28.1	23.8	23.3



TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	249.6	316.7	100.9	129.1	40.4	40.8	\$26,122	\$16,447	\$104.67	\$51.93
Owners.....	196.3	227.0	77.9	97.0	30.7	42.7	21,705	13,244	110.54	58.34
Managers.....	1,108.4	1,033.0	320.8	505.9	28.9	26.2	80,318	67,177	80.58	34.75
Tenants.....	205.9	341.7	138.1	176.1	51.9	51.6	29,070	18,668	109.34	54.60

FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE.	Number of farms.	All land in farms (acres).	Improved land in farms (acres).	Value of land and buildings.	AVERAGE PER FARM.		
					All land (acres).	Improved land (acres).	Value of land and buildings.
Total.....	117,670	20,365,667	11,878,339	\$3,073,811,109	249.6	100.9	\$26,122
Male.....	111,896	28,530,876	11,516,326	2,962,951,781	255.0	102.9	26,450
Female.....	5,774	834,791	362,013	110,859,328	144.6	62.7	19,200
Owners.....	87,580	17,106,215	6,819,212	1,900,924,411	196.3	77.9	21,705
Male.....	82,174	16,447,379	6,491,955	1,798,501,928	200.2	79.0	21,857
Female.....	5,406	748,836	327,257	102,422,483	138.5	60.5	18,946
Managers.....	4,949	5,435,447	1,587,518	442,032,436	1,108.4	320.8	80,318
Male.....	4,897	5,471,314	1,582,504	439,566,236	1,117.3	323.2	80,762
Female.....	52	14,133	4,924	2,466,200	271.8	94.7	47,427
Tenants.....	25,141	8,684,005	3,471,609	730,854,262	265.9	138.1	89,070
Male.....	24,825	8,612,183	3,441,777	724,883,617	266.4	138.6	29,200
Female.....	316	71,822	29,832	5,970,645	227.3	94.4	18,894

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Improved.	
All farmers.....	117,670	88,197	20,365,667	11,878,339	\$3,073,811,109
White farmers.....	111,184	85,119	28,844,686	11,477,495	2,913,026,253
Native <sup>1</sup> .....	76,995	58,926	22,119,345	8,602,600	2,132,816,570
Foreign-born.....	34,189	26,193	6,725,341	2,874,895	780,209,683
Country of birth:					
Austria.....	828	530	88,939	51,116	14,072,562
Canada.....	2,461	2,124	466,254	206,109	61,487,898
Denmark.....	1,917	1,619	256,334	165,194	42,130,505
England.....	2,148	2,365	375,828	129,358	46,013,382
France.....	994	850	592,723	116,888	30,289,030
Germany.....	4,199	4,060	900,612	409,185	88,316,716
Holland.....	328	115	33,680	23,997	6,627,200
Ireland.....	1,157	1,555	457,691	141,586	33,128,942
Italy.....	4,453	2,457	620,263	312,802	86,885,763
Norway.....	474	340	62,779	44,477	7,491,350
Poland.....	385	22	40,834	24,919	8,736,945
Portugal.....	3,440	( <sup>2</sup> )	437,933	251,778	67,765,276
Russia.....	1,166	494	56,668	43,360	20,604,135
Scotland.....	587	627	292,941	64,293	21,607,035
Sweden.....	2,245	1,647	156,412	108,019	36,519,170
Switzerland.....	1,988	1,715	602,244	248,385	52,114,239
Other countries.....	5,419	5,055	1,283,205	533,420	156,419,535
Colored farmers.....	6,486	3,078	520,981	490,844	160,784,856
Negro.....	290	159	33,799	14,991	3,625,525
Indian.....	578	591	75,434	17,147	2,607,448
Japanese.....	5,152	1,816	361,276	323,200	137,347,110
Chinese.....	466	512	50,472	45,506	17,204,773

<sup>1</sup> Includes farmers with country of birth not reported, as follows: For 1920, 1,721; for 1910, 180.

<sup>2</sup> Included with "other countries."

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TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. <sup>1</sup>		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	117,670	88,197	76,995	58,926	34,189	26,193	6,486	3,078
Owners.....	87,580	66,632	60,294	45,780	26,073	19,914	1,243	938
Managers.....	4,949	3,417	3,913	2,641	887	714	149	62
Tenants.....	25,141	18,148	12,818	10,505	7,220	5,565	5,094	2,078

<sup>1</sup> Includes farmers with country of birth not reported.

FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.

[Owned farms only; includes all farms owned in whole or in part by the operator.]

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	87,580	66,632	20,948	31.4	100.0	100.0
Free from mortgage.....	36,042	39,368	-3,326	-8.4	41.2	59.1
Mortgaged.....	44,109	26,749	17,360	64.9	50.4	40.1
Unknown.....	7,429	515	6,914	.....	8.5	0.8

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when more than 1,000. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
Total.....	87,580	66,632	51,093	42,252	100.0	100.0	100.0	100.0
Free from mortgage.....	36,042	39,368	33,020	23,520	41.2	59.1	65.5	67.5
Mortgaged.....	44,109	26,749	15,979	13,732	50.4	40.1	31.3	32.5
Unknown.....	7,429	515	1,494	.....	8.5	0.8	2.9	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. <sup>1</sup>		INCREASE.	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	37,338	21,430	15,908	74.2
Value of land and buildings.....	\$764,166,011	\$250,199,190	\$513,966,821	205.4
Amount of mortgage debt.....	\$224,063,903	\$60,036,660	\$164,027,243	273.2
Ratio of debt to value, per cent.....	29.3	24.0	.....	.....
Average rate of interest paid, per cent.....	6.6	.....	.....	.....
Average value per farm.....	\$20,460	\$11,675	\$8,791	75.3
Average debt per farm.....	\$6,001	\$2,802	\$3,199	114.2
Average equity per farm.....	\$14,459	\$8,873	\$5,586	63.0

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE.		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	76,414	55,887	20,527	36.7	64.9	63.4
Fertilizer.....	16,474	7,470	9,004	120.5	14.0	8.5
Feed.....	77,772	49,372	28,400	57.5	66.1	56.0



TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$126,096,152	\$49,976,199	\$76,119,953	152.3
Amount in cash.....	109,928,053	42,205,915	67,722,138	160.5
Value of rent and board furnished.....	16,168,099	7,770,284	8,397,815	108.1
Fertilizer.....	8,182,998	2,143,993	6,039,005	281.7
Feed.....	46,380,569	12,676,903	33,703,666	265.9

## LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

**Domestic animals: 1920 and 1910.**—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable. In addition to the change in the date of enumeration, there have been certain changes in the age and sex classifications. The 1910 figures presented in the following tables are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

**Dairy cows: 1920 and 1910.**—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In California the number of "dairy cows," including heifers 1 year old and over, reported for January 1, 1920, was 613,958, as compared with 467,332 "cows kept for milk" reported for April 15, 1910. This represents an increase of 146,626, or 31.4 per cent. The number of "beef cows" reported for January 1, 1920, was 575,279, as compared with 576,909 "cows not kept for milk" reported for April 15, 1910, representing a decrease of 1,630, or 0.3 per cent.

**Farms reporting domestic animals: 1910.**—Horses were reported by 76,119 farms in California in 1910, mules by 11,015 farms, cattle by 63,053, sheep by 3,857, and swine by 31,609. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in California increased from 88,197 in 1910 to 117,670 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Aver-ago value.
<b>Total.....</b>	<b>99,661</b>	<b>84.7</b>		<b>\$204,378,445</b>	
<b>Horses, total.....</b>	<b>87,814</b>	<b>74.8</b>	<b>402,407</b>	<b>35,416,507</b>	<b>\$88.01</b>
Colts under 1 year of age.....	8,439	7.2	18,259	657,134	35.99
Colts 1 year old and under 2 years.....	9,087	7.7	20,342	1,012,522	49.77
Mares 2 years old and over.....	60,705	51.6	176,175	16,196,222	91.93
Geldings 2 years old and over.....	67,019	57.0	185,363	16,923,830	91.30
Stallions 2 years old and over.....	1,750	1.5	2,268	626,790	276.36
<b>Mules, total.....</b>	<b>14,693</b>	<b>12.4</b>	<b>63,419</b>	<b>7,221,930</b>	<b>113.88</b>
Mule colts under 1 year of age.....	1,808	1.5	4,868	246,524	50.64
Mule colts 1 year old and under 2 years.....	2,005	1.7	6,090	511,056	83.92
Mules 2 years old and over.....	12,159	10.3	52,461	6,464,350	123.22
<b>Asses and burros.....</b>	<b>950</b>	<b>0.8</b>	<b>2,265</b>	<b>171,175</b>	<b>75.57</b>
<b>Cattle, total.....</b>	<b>74,650</b>	<b>63.4</b>	<b>2,008,037</b>	<b>120,681,446</b>	<b>60.10</b>
Beef cattle, total.....	16,555	14.1	1,229,086	61,280,293	49.86
Calves under 1 year of age.....	11,690	9.9	242,315	5,727,723	23.64
Heifers 1 year old and under 2 years.....	8,183	7.0	134,220	5,325,616	39.68
Cows and heifers 2 years old and over.....	11,787	10.0	441,059	24,738,260	56.09
Steers 1 year old and under 2 years.....	7,566	6.4	158,310	7,476,755	47.23
Stoers 2 years old and over.....	6,443	6.4	232,267	15,073,838	67.48
Bulls 1 year old and over.....	6,144	5.2	20,915	2,338,101	111.79
<b>Dairy cattle, total.....</b>	<b>65,851</b>	<b>56.0</b>	<b>778,951</b>	<b>59,401,153</b>	<b>76.26</b>
Calves under 1 year of age.....	28,287	24.0	150,119	3,585,355	23.88
Heifers 1 year old and under 2 years.....	19,986	17.0	111,543	5,481,934	49.15
Cows and heifers 2 years old and over.....	63,617	54.1	502,415	48,405,863	96.35
Bulls 1 year old and over.....	11,027	9.4	14,874	1,928,001	129.62
<b>Sheep, total.....</b>	<b>7,175</b>	<b>6.1</b>	<b>2,400,151</b>	<b>25,906,445</b>	<b>10.79</b>
Lambs under 1 year of age.....	4,751	4.0	616,551	4,508,815	7.30
Ewes 1 year old and over.....	5,917	5.0	1,616,709	19,142,621	11.84
Rams 1 year old and over.....	3,721	3.2	62,920	1,304,421	20.73
Wethers 1 year old and over.....	1,846	1.1	108,971	955,588	9.19
<b>Goats, total.....</b>	<b>5,197</b>	<b>4.4</b>	<b>115,759</b>	<b>1,130,035</b>	<b>9.76</b>
Kids under 1 year of age, raised for fleeces.....	648	0.6	20,578	89,408	4.34
Goats 1 year old and over, raised for fleeces.....	971	0.8	58,640	378,992	6.46
All other goats.....	4,279	3.6	36,541	661,635	18.11
<b>Swine, total.....</b>	<b>49,858</b>	<b>42.4</b>	<b>909,272</b>	<b>13,850,907</b>	<b>15.23</b>
Pigs under 6 months old.....	31,718	27.0	452,856	3,454,584	7.63
Sows and gilts for breeding, 6 months old and over.....	25,933	22.0	138,868	4,436,606	31.95
Boars for breeding, 6 months old and over.....	9,209	7.8	12,581	698,245	55.50
All other hogs, 6 months old and over.....	24,315	20.7	204,967	5,261,472	17.25



TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORTING, 1920.		NUMBER REPORTED. <sup>1</sup>		Value, 1920	Average value, 1920
	Num-ber.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	92,409	78.5	10,811,183	<sup>2</sup> 6,087,267	\$15,293,570	\$1.41
Chickens.....	91,915	78.1	10,426,648	5,665,964	14,263,708	1.37
Turkeys.....	16,787	14.3	174,708	116,602	758,569	4.34
Ducks.....	6,184	5.3	64,792	40,061	90,549	1.49
Geese.....	3,380	2.9	14,914	14,195	40,872	2.74
Guinea fowls.....	1,926	1.6	8,987	2,920	9,462	1.05
Pigeons.....	2,849	2.4	120,986	246,065	85,040	0.70
Ostriches.....	2	( <sup>3</sup> )	148	1,082	39,310	265.61
Hives of bees.....	8,826	7.5	180,719	201,023	1,469,447	8.13

<sup>1</sup> The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.

<sup>2</sup> Includes small numbers of peafowls, India jungle fowls, and pheasants.

<sup>3</sup> Less than one-tenth of 1 per cent.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER.		INCREASE. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	Num-ber.	Per cent.
Horses:				
Total, excluding spring colts reported for 1910.....	402,407	<sup>2</sup> 445,849	-43,442	-9.7
Colts under 1 year old on Jan. 1 of census year.....	18,259	41,927	-23,668	-56.5
Horses 1 year old and over on Jan. 1 of census year.....	384,148	402,584	-18,436	-4.6
Mules:				
Total, excluding spring colts reported for 1910.....	63,419	66,910	-3,491	-5.2
Mule colts under 1 year old on Jan. 1 of census year.....	4,868	4,913	-45	-0.9
Mules 1 year old and over on Jan. 1 of census year.....	58,551	61,997	-3,446	-5.6
Cattle:				
Total, excluding spring calves reported for 1910.....	2,008,037	<sup>2</sup> 1,809,226	198,811	11.0
Calves under 1 year old on Jan. 1 of census year.....	392,434	382,208	10,226	2.7
Cows and heifers 1 year old and over on Jan. 1 of census year.....	1,189,237	1,044,241	144,996	13.9
Steers and bulls 1 year old and over on Jan. 1 of census year.....	426,366	321,984	104,382	32.4
Sheep:				
Total, excluding spring lambs reported for 1910.....	2,400,151	1,525,288	874,863	57.4

<sup>1</sup> A minus sign (-) denotes decrease.    <sup>2</sup> Includes animals not classified.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
			Number.		Increase. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1910 (Apr. 15)	Num-ber.	Per cent.
Total.....	31,158	56,987				
Horses.....	15,965	45,708	45,608	132,521	-86,913	-65.6
Horses 1 year old and over on Jan. 1 of census year.....			45,057	130,263	-85,206	-65.4
Mules.....	1,110	1,519	7,718	10,612	-2,894	-27.3
Mules 1 year old and over on Jan. 1 of census year.....			7,476	10,449	-2,973	-28.5
Asses and burros.....	287	449	768	1,057	-289	-27.3
Cattle.....	14,904	21,323	46,547	46,176	371	0.8
Cattle 1 year old and over on Jan. 1 of census year.....			39,094	35,638	4,456	12.2
Sheep.....	478	214	38,480	64,631	-26,151	-40.5
Goats.....	7,145	1,477	18,393	7,113	11,280	158.6
Swine.....	6,061	1,506	33,381	12,168	21,213	174.3

<sup>1</sup> A minus sign (-) denotes decrease.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses.....	448,015	402,407	45,608
Horses 2 years old and over.....	407,939	363,806	44,133
Mules.....	71,137	63,419	7,718
Mules 2 years old and over.....	59,517	52,461	7,056
Asses and burros.....	3,033	2,265	768
Cattle.....	2,054,584	2,008,037	46,547
Beef cattle.....	1,249,032	1,229,056	19,946
Dairy cattle.....	805,552	778,951	26,601
Dairy cows.....	521,855	502,415	19,440
Sheep.....	2,438,631	2,400,151	38,480
Goats.....	131,152	115,759	15,393
Swine.....	912,653	909,272	33,381

### LIVE-STOCK PRODUCTS.

Farm value of live-stock products: 1919 and 1909.—The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm. The 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

Dairy products.—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production, and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates or for other reasons, fail to report their milk production, even though they report butter or other dairy products as well as dairy cows.

For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk" but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with cows of a lower grade, the estimates obtained in this way have probably been somewhat above the



actual production. With the new basis of classification for dairy cows in use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report any milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows or milk produced on farms which kept dairy cows some time during the year 1919 but had none on January 1, 1920. It may be safely assumed that the returns for butter and cheese made on farms and for milk, cream, butter fat, and butter sold are much more nearly complete than in the case of milk produced. Hence no estimates have been made for these items.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Number.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	63,617	54.1	502,415	Head	.....
On farms reporting milk produced.....	50,658	43.1	419,529	Head	.....
On farms not reporting milk produced.....	12,959	11.0	82,885	Head	.....
Average production of milk per dairy cow, 1919 <sup>1</sup> .....			536	Gals.	.....
Specified dairy products:					
Milk, as reported..... 1919.....			231,992,496	Gals.	.....
..... 1909.....			154,901,956	Gals.	.....
Increase, 1909-1919.....			77,090,540	Gals.	.....
Per cent of increase.....			49.8		.....
Total production of milk, including estimates..... 1919.....			276,424,216	Gals.	.....
Butter made..... 1919.....	29,971	25.5	5,757,759	Lbs.	\$3,112,848
..... 1909.....	31,345	35.5	15,301,871	Lbs.	\$4,085,992
Cheese made..... 1919.....	1,115	0.9	2,345,672	Lbs.	\$774,073
..... 1909.....	480	0.5	2,777,873	Lbs.	\$383,494
Milk sold..... 1919.....	9,516	8.1	77,938,332	Gals.	\$22,717,770
..... 1909.....	5,906	6.7	45,233,432	Gals.	\$7,346,176
Cream sold..... 1919.....	4,394	3.7	3,110,736	Gals.	\$5,016,733
..... 1909.....	3,133	3.6	3,397,061	Gals.	\$2,861,921
Butter fat sold..... 1919.....	13,447	11.4	37,618,426	Lbs.	\$24,021,225
..... 1909.....	5,505	6.2	19,176,719	Lbs.	\$5,766,394
Butter sold..... 1919.....	7,764	6.0	1,381,986	Lbs.	\$754,236
..... 1909.....	12,911	14.6	10,285,583	Lbs.	\$2,763,392
Value of milk, cream, and butter fat sold, and of butter and cheese made <sup>2</sup> ..... 1919.....					\$55,642,649
..... 1909.....					\$20,443,977
Increase, 1909-1919.....					\$35,198,672
Per cent of increase.....					172.2
Receipts from sale of dairy products <sup>3</sup> ..... 1919.....					\$52,509,961
..... 1909.....					\$19,083,297
Increase, 1909-1919.....					\$33,426,667
Per cent of increase.....					175.2

<sup>1</sup> Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

<sup>2</sup> This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

<sup>3</sup> Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$345,414.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	7,175	2,400,151	.....	.....	.....
On farms reporting wool.....	4,170	2,047,388	.....	.....	.....
On farms not reporting wool.....	3,005	352,763	.....	.....	.....
Sheep of shearing age <sup>1</sup> on farms Apr. 15, 1910.....	3,546	1,525,288	.....	.....	.....
Wool produced, as reported, total..... 1919.....	4,280	.....	1,956,043	13,153,030	\$5,762,356
On farms reporting sheep.....	4,170	.....	1,932,210	12,982,331	\$5,686,204
On farms not reporting sheep.....	110	.....	23,833	170,699	\$76,152
Total production of wool, including estimates..... 1919.....				15,216,957	\$6,695,461
..... 1909.....				14,064,703	\$2,423,946
Increase, 1909-1919.....				1,152,254	\$4,271,515
Per cent of increase.....				8.2	176.2
Goats raised for fleeces, on farms Jan. 1, 1920.....	1,099	79,218	.....	.....	.....
Mohair produced, as reported, total..... 1919.....	695	.....	67,796	220,179	\$110,160
..... 1909.....	367	.....	.....	282,596	\$80,821

<sup>1</sup> Sheep born before Jan. 1, 1910.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

(The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.)

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	91,915	78.1	Number. 10,426,648	.....
On farms reporting eggs produced.....	74,415	63.2	9,339,780	.....
On farms reporting chickens raised.....	50,419	42.8	7,409,610	.....
Fowls on farms Apr. 15, 1910.....	66,251	75.1	6,087,267	.....
Eggs produced, as reported..... 1919.....	74,679	63.5	Dozens. 57,659,313	\$28,337,111
Total production of eggs, including estimates..... 1919.....			64,123,885	31,420,704
..... 1909.....			41,022,395	10,262,694
Eggs sold, as reported..... 1919.....	42,533	36.1	44,761,823	22,278,437
..... 1909.....	36,621	41.5	29,807,687	6,717,426
Chickens raised, as reported..... 1919.....	50,635	43.0	Number. 9,267,144	6,390,824
Total chickens raised, including estimates..... 1919.....			12,929,044	8,921,040
..... 1909.....			8,430,968	4,420,515
Chickens sold, as reported..... 1919.....	25,723	21.9	4,357,376	2,908,559
..... 1909.....	27,492	31.2	3,678,208	2,018,856

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	8,826	180,719	.....	.....
On farms reporting honey.....	4,447	148,215	.....	.....
On farms not reporting honey.....	4,379	32,504	.....	.....
Bees on farms Apr. 15, 1910.....	6,870	201,023	.....	.....
Honey produced..... 1919.....	4,478	.....	5,501,738	\$1,100,354
..... 1909.....	4,088	.....	10,264,715	631,529
Wax produced..... 1919.....			106,796	41,648
..... 1909.....			126,445	33,838



CROPS.

**Summary: 1919 and 1909.**—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, including the percentage of increase for the decade in acreage, production, and value.

In comparing one year with another it should be borne in mind that the acreage of crops (or the number

of fruit trees) and the number of farms reporting are on the whole a better index of the general changes or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity may be due mainly to favorable or unfavorable seasons, and variations in the value of the crops may result largely from changes in prices between one census year and the next.

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.						
	Number.		Per cent of all farms.		1919	1909	Per cent of increase.	Quantity.				Value.		
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase.	1919	1909	Per cent of increase.
<b>All crops.</b>												\$589,757,377	\$146,526,151	302.5
With acreage reports					5,756,994	4,918,917	17.0					311,014,999	96,807,738	221.3
With no acreage reports.												278,742,378	49,718,413	460.6
<b>Cereals, total<sup>1</sup></b>					2,656,462	1,070,492	34.8					108,570,469	28,039,828	287.2
Corn	8,271	5,728	7.0	6.5	116,740	51,935	124.8	Bu.	56,416,858	30,105,917	44.3	5,862,363	1,077,411	444.1
Oats	3,596	2,477	3.1	2.8	146,889	192,158	-23.6	Bu.	3,448,459	1,273,901	170.7	2,966,776	2,637,047	12.5
Wheat, total	9,961	4,678	8.5	5.3	1,086,428	478,217	127.2	Bu.	2,966,776	4,143,688	-28.4	36,938,477	6,333,933	484.1
Winter	3,359	3,739	7.1	4.2	924,553	426,405	116.8	Bu.	16,866,882	6,203,266	171.9	31,998,151	5,483,204	483.6
Spring	1,888		1.6		161,875	51,812	212.8	Bu.	14,611,027	5,340,574	173.6	4,940,326	840,770	487.6
Barley	10,743	7,597	9.1	8.6	987,068	1,195,158	-17.4	Bu.	2,255,855	892,632	161.5	35,035,654	17,184,508	103.9
Rye	463	193	0.4	0.2	45,396	7,027	161.8	Bu.	21,897,283	26,441,934	-17.2	343,770		422.1
Kafir and milo	7,183	2,521	6.1	2.0	167,814	44,308	278.7	Bu.	185,820	70,683	162.0	6,886,848	725,704	849.0
Tough rice	490				130,367			Bu.	4,051,086	938,049	331.9	20,432,627		
Mixed crops <sup>2</sup>	48		(%)		2,760			Bu.	6,926,313			103,934		
<b>Other grains and seeds with acreage reports, total<sup>3</sup></b>					498,868	163,776	204.6					31,951,816	6,517,453	390.3
Dry edible beans	8,743	3,054	7.4	3.5	471,674	157,987	198.6	Bu.	6,552,951	3,328,218	96.9	30,798,869	6,295,457	389.2
Horse beans	118	67	0.1	0.1	1,459	150	872.7	Bu.	49,694	5,534	798.0	124,235	5,659	
Dry peas	408	262	0.3	0.3	20,893	2,050	606.1	Bu.	182,779	57,468	218.1	648,864	101,016	542.3
Peanuts	161	42	0.1	(%)	516	99		Bu.	16,946	2,901	466.6	49,145	2,889	
Mustard seed	80	66	0.1	0.1	2,828	1,964	44.0	Lbs.	1,182,934	3,108,270	-62.7	94,435	100,731	-6.1
Sugar-beet seed	7		(%)		704			Lbs.	266,600			186,624		
Sunflower seed	50	21	(%)	(%)	778	257	202.7	Bu.	19,204	6,855	181.5	48,235	6,264	670.0
<b>Seeds with no acreage reports, total<sup>4</sup></b>														
Red clover seed	2		(%)					Bu.	52,004	25,535	103.7	6,397,481	300,758	698.9
Other clover and alfalfa seed	493		0.4					Bu.	74			1,924		
Vetch seed	13		(%)					Bu.	41,021	24,101	70.5	861,441	203,646	324.0
Grass seed (other than timothy)	88	5	0.1	(%)				Bu.	1,544			10,036		
								Bu.	9,315	1,077	764.9	51,237	1,323	
<b>Hay and forage, total<sup>5</sup></b>	65,953	53,760	56.0	61.0	2,202,853	2,534,235		Tons.	4,494,940	4,331,885		96,121,846	42,206,252	
All tame or cultivated grasses					849,816	645,595	31.5	Tons.	2,599,232	1,875,374	38.6	57,678,388	15,397,884	274.6
Timothy alone	458	370	0.4	0.4	12,962	13,725	-5.6	Tons.	19,389	20,001	-3.1	368,391	185,579	98.5
Timothy and clover mixed	1,115	958	0.9	1.1	52,276	46,661	12.0	Tons.	75,328	73,183	2.9	1,393,581	629,575	121.4
Clover alone	803	703	0.7	0.8	15,227	8,519	78.7	Tons.	24,594	20,380	20.7	454,999	213,289	113.3
Alfalfa	31,652	19,904	26.9	22.6	718,515	484,134	48.4	Tons.	2,412,554	1,639,707	47.1	54,282,479	13,088,530	314.7
Other tame grasses <sup>6</sup>	2,229		1.9		49,836	92,556	-46.2	Tons.	67,367	122,103	-44.8	1,178,938	1,280,911	-8.0
Wild, salt, or prairie grasses	3,061	3,679	2.6	4.2	178,353	253,127	-29.5	Tons.	185,592	281,033	-34.0	2,598,288	2,028,494	25.1
Small grains cut for hay	39,958	39,397	34.0	44.7	1,085,380	1,604,745	-30.8	Tons.	1,296,807	2,019,526	-34.3	30,474,979	24,056,727	29.2
Annual legumes cut for hay	915		0.8		25,863				30,657			601,140		
Silage crops	1,803		1.5		29,521				207,913			1,975,184		
Corn cut for forage <sup>7</sup>	2,033		1.7		13,661	26,470		Tons.	24,967	63,444		349,538	450,581	
Kafir, sorghum, etc., for forage	1,386		1.2		14,510				24,545			368,175		
Root crops for forage	1,641		1.4		6,740	4,298	56.8	Tons.	125,827	92,508	36.0	2,070,154	272,566	661.7
<b>Vegetables, total</b>												47,377,821	12,121,958	290.8
Potatoes (Irish or white)	11,518	12,533	9.8	14.2	63,305	67,688	-6.5	Bu.	8,217,937	9,824,005	-16.3	18,901,258	4,879,449	287.4
Sweet potatoes and yams	1,814	1,133	1.5	1.3	7,632	5,111	49.3	Bu.	867,300	572,814	51.4	1,994,790	355,624	460.9
Other vegetables <sup>8</sup>	10,937	33,755	9.3	38.3	146,242	79,163						24,111,588	6,886,885	
Farm garden <sup>9</sup>	37,123		31.5									2,370,285		
<b>Miscellaneous crops, total</b>					187,357	88,765	111.1					26,270,380	6,133,035	328.3
Tobacco	45	12	(%)	(%)	700	4		Lbs.	489,941	4,502		284,166	479	
Cotton	1,248	18	1.1	(%)	87,308	324		Bales.	46,418	183		9,237,182	11,744	
Cottonseed (estimated)								Tons.	21,444	92		1,340,253	1,032	
Sugar beets grown for sugar	1,488	1,071	1.3	1.2	88,257	78,671	12.2	Tons.	666,866	843,269	-20.9	8,669,258	4,313,981	101.0
Sorghum grown for sirup	78	8	0.1	(%)	560	45		Tons.	4,668	188		94,463	2,340	
Broom corn	67	24	0.1	(%)	2,178	1,023	112.9	Lbs.	792,026	614,250	28.9	63,361	32,509	94.9
Hops	144	273	0.1	0.3	8,118	8,391	-3.3	Lbs.	12,610,055	11,994,953	5.1	6,557,229	1,731,110	278.8
Hemp	2	2	(%)	(%)	113	300	-62.3	Lbs.	137,000	600,000	-77.2	20,550	39,000	-47.3
Sundry minor crops <sup>10</sup>					123	7						3,918	840	366.4
<b>Fruits and nuts, total</b>												273,087,484	50,706,869	438.5
Small fruits	7,290		6.2		7,936	9,687	-18.1	Qts.	15,458,726	26,824,120	-42.4	3,092,852	1,789,214	72.9
Other fruits and nuts												269,974,632	48,917,655	451.9

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.

<sup>2</sup> Excluding 13,661 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

<sup>3</sup> The 1909 figures include small quantities of summer and spelt and of buckwheat.

<sup>4</sup> Principally wheat and barley grown and harvested together.

<sup>5</sup> Less than one-tenth of 1 per cent.

<sup>6</sup> Includes small quantities of sorghum seed (1919 and 1909) and of flaxseed and broom-corn seed (1909).

<sup>7</sup> Includes small quantities of millet seed (1919) and of timothy seed (1909). The total values include the value of flower and vegetable seeds, as follows: For 1919, \$5,472,623; for 1909, \$594,724. The acreage for flower and vegetable seeds was incom-

pletely reported and has not been tabulated. The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

<sup>8</sup> Corn cut for forage was not reported to any extent in 1909; the quantity shown for 1919 is too small, however, to have any appreciable effect on comparisons between the hay and forage totals for 1919 and 1909.

<sup>9</sup> Includes millet and Hungarian grass.

<sup>10</sup> The 1919 figures represent vegetables raised for sale only.

<sup>11</sup> In 1909 the value of the farm garden was largely included in the value of "other vegetables."

<sup>12</sup> These crops comprise cassava (1919) and willows and chicory (1909).



For convenience in making comparisons between the crop figures and the total acreage of improved land, a separate total is presented for all those crops for which acreage is reported.

The combined acreage of crops harvested in California in 1919 for which the acreage was reported was 5,756,994, which represents 48.5 per cent of the total improved land in farms (11,878,339 acres). The total crop acreage reported for 1909 was 4,918,917, or 43.2 per cent of the improved land in farms (11,389,894 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

**Farm value of crops.**—At the census of 1920 the farm schedule called for the value of all farm property, including live stock, and the value of live-stock products sold.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel or per ton, the farmer was asked to report the acreage and production of each crop but not the value. To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops. These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained on the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the farm garden.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1879 TO 1919.

CROP.	1919	1909	1899	1889	1879
Corn.....	116,740	51,935	53,930	70,303	71,781
Oats.....	146,889	192,158	153,734	37,569	49,947
Wheat.....	1,086,428	478,217	2,083,405	2,840,807	1,832,429
Barley.....	987,068	1,195,158	1,029,647	815,995	586,350
Dry edible beans.....	471,674	157,937	45,861		
Hay and forage.....	2,202,853	2,534,235	2,230,601	1,431,574	758,024
Potatoes.....	63,305	67,688	42,098	38,178	

<sup>1</sup> Includes 13,661 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.				AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909		1919	1909
Corn.....	1.0	0.5	Bu...	29.5	24.5	\$50.22	\$20.75	
Oats.....	1.2	1.7	Bu...	20.2	21.6	20.20	13.72	
Wheat.....	9.1	4.2	Bu...	15.5	13.0	34.00	13.22	
Barley.....	8.3	10.5	Bu...	22.2	22.1	35.49	14.38	
Dry edible beans.....	4.0	1.4	Bu...	13.9	21.1	65.30	39.85	
Hay and forage.....	18.5	22.2	Tons.	2.04	1.71	43.64	16.65	
Potatoes.....	0.5	0.6	Bu...	120.8	145.1	298.57	72.09	

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.

[Vegetables other than potatoes and sweet potatoes.]

CROP.	FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
<b>Total.....</b>	<b>10,937</b>	<b>9.3</b>	<b>146,242</b>	<b>\$24,111,588</b>
Asparagus.....	265	0.2	17,444	2,640,610
Beans (green).....	1,606	1.4	4,126	522,332
Beets.....	200	0.2	439	50,306
Brussels sprouts.....	61	0.1	441	85,836
Cabbages.....	1,639	1.4	5,422	953,658
Cantaloupes and muskmelons.....	2,301	2.0	21,470	3,895,600
Carrots.....	320	0.3	580	120,342
Cauliflower.....	390	0.3	3,668	641,161
Celery.....	517	0.4	5,351	1,518,082
Corn (pop).....	77	0.1	408	29,380
Corn (sweet).....	1,964	1.7	5,259	450,225
Cucumbers.....	861	0.7	1,786	313,432
Lettuce.....	1,409	1.2	6,121	1,691,560
Onions.....	1,482	1.3	8,512	2,818,194
Peas (green).....	1,451	1.2	8,246	1,072,608
Peppers (green).....	443	0.4	4,870	753,740
Pumpkins.....	257	0.2	1,132	39,030
Radishes.....	40	( <sup>1</sup> )	282	29,750
Rhubarb.....	165	0.1	614	148,790
Spinach.....	216	0.2	2,401	312,887
Squashes.....	311	0.3	942	107,804
Tomatoes.....	4,148	3.5	31,410	3,579,115
Turnips.....	200	0.2	285	40,587
Watermelons.....	1,790	1.5	7,341	619,485
All other vegetables.....			4,223	820,719
Mixed vegetables.....	620	0.5	3,469	847,256

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 36.—SUGAR CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
<b>Sugar beets grown for sugar.....</b>	<b>1,488</b>	<b>1.3</b>	<b>88,257</b>	<b>666,866</b>	<b>Tons.</b>	<b>\$8,669,258</b>
1919.....	1,488	1.3	88,257	666,866	Tons.	\$8,669,258
1909.....	1,071	1.2	78,671	843,269	Tons.	4,313,981
<b>Sorghum grown for sirup.....</b>	<b>78</b>	<b>0.1</b>	<b>1,560</b>	<b>14,068</b>	<b>Tons.</b>	<b></b>
1919.....	78	0.1	1,560	14,068	Tons.	
1909.....	8	( <sup>1</sup> )	45	188	Tons.	
<b>Sirup made.....</b>	<b></b>	<b></b>	<b></b>	<b>162,973</b>	<b>Gals.</b>	<b>94,463</b>
1919.....				162,973	Gals.	94,463
1909.....				4,330	Gals.	2,340

<sup>1</sup> Figures include estimates for incomplete reports.

<sup>2</sup> Less than one-tenth of 1 per cent.

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Number.	Per cent of all farms.		Quantity (quarts).	Value.
<b>Total.....</b>	<b>7,290</b>	<b>6.2</b>	<b>7,936</b>	<b>15,458,726</b>	<b>\$3,082,852</b>
1919.....	7,290	6.2	7,936	15,458,726	\$3,082,852
1909.....	9,687	8.4	9,687	26,824,120	1,789,214
Strawberries.....	2,774	2.4	4,974	10,808,048	2,161,612
1919.....	2,774	2.4	4,974	10,808,048	2,161,612
1909.....	2,282	2.0	4,585	15,694,326	1,149,475
Raspberries.....	902	0.8	417	832,432	185,310
1919.....	902	0.8	417	832,432	185,310
1909.....	823	0.7	459	655,592	131,119
Raspberries and loganberries.....	2,524	2.2	1,992	5,222,117	304,169
1919.....	2,524	2.2	1,992	5,222,117	304,169
1909.....	3,873	3.3	1,742	2,549,082	509,816
Blackberries and dewberries.....	3,190	2.8	2,576	4,898,524	282,383
1919.....	3,190	2.8	2,576	4,898,524	282,383
1909.....	298	0.3	298	511,278	97,147
Currents.....	364	0.4	407	852,378	43,508
1919.....	364	0.4	407	852,378	43,508
1909.....	174	0.1	46	52,204	7,848
Other berries.....			127	156,775	9,679



TABLE 38.—FRUIT AND NUT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

CROP.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.		CROP.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.					Number.		Per cent of all farms.			
	1920	1910	1920	1910	1920	1910		1920	1910	1920	1910	1920	1910
Orchard fruits, total <sup>1</sup>	32,907		28.0		11,526,930	8,410,062	Subtropical fruits—						
Apples.....	15,464	12,716	13.1	14.4	1,143,947	1,054,107	Continued.						
Peaches <sup>2</sup> .....	14,826	15,231	12.6	17.3	1,366,941	4,400,562	Olives.....	2,733	2,018	2.3	2.3	687,017	121,659
Pears.....	13,821	8,532	11.7	9.7	2,178,526	398,093	Alligator pears (avo-						
Plums and prunes..	16,673	9,795	14.2	11.1	5,237,145	1,599,939	cados).....	444		0.4	( <sup>4</sup> )	33,965	
Cherries.....	8,049	6,217	6.8	7.0	347,572	300,063	Guavas.....	34	34	( <sup>4</sup> )	( <sup>4</sup> )	293	443
Apricots.....	7,245	9,075	6.2	10.3	1,243,706	581,524	Loquats.....	196	125	0.2	0.1	462	1,011
							Japanese persim-						
Subtropical fruits,							mons.....	136	142	0.1	0.2	7,500	8,801
total <sup>3</sup>					4,884,742	2,867,670	Pomegranates..	160	96	0.1	0.1	27,321	2,745
Oranges.....	11,069	8,099	9.4	9.2	2,598,759	2,093,410	Dates.....	153	30	0.1	( <sup>4</sup> )	69,896	19,552
Lemons.....	5,777	3,029	4.9	4.1	781,535	379,676							
Grapefruit (pome-							Grapes.....	9,418	10,162	8.0	11.5	21,388,646	39,526,319
loes).....	2,239	744	1.9	0.8	81,873	25,589	Nuts, total <sup>5</sup> .....					1,888,422	931,833
Limes.....	12	9	( <sup>4</sup> )	( <sup>4</sup> )	436	151	Almonds.....	6,639	3,680	5.6	4.2	1,407,901	365,961
Tangerines.....	23	10	( <sup>4</sup> )	( <sup>4</sup> )	948	34	Pecans.....	369	294	0.3	0.3	4,707	2,793
Citrons.....	1	4	( <sup>4</sup> )	( <sup>4</sup> )	1	30	Walnuts (Persian or						
Figs.....	8,085	5,612	6.9	6.4	594,736	214,527	English).....	8,896	6,554	7.5	7.6	455,814	546,804

<sup>1</sup> Includes quinces and (for 1910) mulberries. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.  
<sup>2</sup> The 1910 figures include nectarines.

<sup>3</sup> The 1910 figures include mandarins and bananas.  
<sup>4</sup> Less than one-tenth of 1 per cent.  
<sup>5</sup> The 1910 figures include black walnuts and several other varieties of nuts not called for by the 1920 schedule.

TABLE 39.—ORCHARD AND SUBTROPICAL FRUITS, GRAPES, AND NUTS: 1919 AND 1909.

CROP.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Per cent of all farms.				Quantity.			Value.	
	1920	1910	1920	1910	1920	1910	Unit.	1919	1909	1919	1909
<b>Orchard fruits, total<sup>1</sup></b>	<b>54,028</b>		<b>45.9</b>		<b>27,631,757</b>	<b>22,485,195</b>	Bu....	<b>47,557,570</b>	<b>30,101,507</b>	<b>\$91,687,814</b>	<b>\$18,358,897</b>
Apples.....	30,543	19,671	26.0	22.3	3,128,386	2,482,762	Bu....	7,812,017	4,935,073	12,155,128	2,901,662
Peaches <sup>2</sup> .....	38,725	21,637	32.9	24.5	9,057,760	7,829,011	Bu....	15,969,073	9,207,118	29,542,787	4,573,775
Pears.....	24,162	15,073	20.5	17.1	2,305,646	1,410,905	Bu....	3,552,923	1,028,007	7,115,261	1,660,963
Plums and prunes..	29,282	18,105	24.9	20.5	8,768,436	7,168,705	Bu....	13,200,805	9,317,979	28,381,734	5,473,539
Cherries.....	12,208	9,177	10.4	10.4	657,470	522,304	Bu....	653,700	501,013	2,614,800	951,624
Apricots.....	15,485	15,181	13.2	17.2	3,688,217	2,992,453	Bu....	5,907,645	4,066,823	11,815,290	2,768,921
<b>Subtropical fruits, total<sup>3</sup></b>					<b>14,906,731</b>	<b>8,726,005</b>				<b>90,849,592</b>	<b>16,752,101</b>
Oranges.....	18,540	10,975	15.8	12.4	10,297,593	6,615,805	Boxes..	21,628,444	14,436,180	67,048,178	12,951,505
Lemons.....	10,125	4,820	8.6	5.5	2,884,770	941,283	Boxes..	6,551,657	2,756,221	18,999,810	2,976,571
Grapefruit (pomelos)	4,249	932	3.6	1.1	231,136	43,424	Boxes..	465,085	122,515	930,170	143,150
Limes.....	13	9	( <sup>4</sup> )	( <sup>4</sup> )	18	18	Boxes..	136	16	477	21
Tangerines.....	78	37	0.1	( <sup>4</sup> )	2,475	3,637	Boxes..	6,658	3,581	23,306	4,188
Citrons.....	4	3	( <sup>4</sup> )	( <sup>4</sup> )	1,504	8	Boxes..	2,002	6	8,008	9
Figs.....	16,561	7,846	14.1	8.9	503,973	269,001	Lbs....	21,801,890	22,990,353	2,180,191	260,153
Olives.....	3,059	3,074	2.6	3.5	910,890	836,347	Lbs....	17,594,020	16,132,412	1,405,121	401,277
Alligator pears (avocados)	224		0.2		11,916		Crates..	7,940		63,352	
Guavas.....	71	125	0.1	0.1	3,654	7,031	Lbs....	32,852	95,053	1,643	4,018
Loquats.....	296	175	0.3	0.2	3,296	3,711	Boxes..	4,328	4,516	17,312	5,830
Japanese persimmons.	270	160	0.2	0.2	13,847	3,274	Bu....	21,452	2,696	85,808	3,344
Pomegranates.....	212	120	0.2	0.1	24,258	1,771	Lbs....	953,588	30,075	57,215	908
Dates.....	122	8	0.1	( <sup>4</sup> )	17,299	325	Lbs....	144,992	3,332	28,998	418
<b>Grapes.....</b>	<b>26,313</b>	<b>17,793</b>	<b>22.4</b>	<b>20.2</b>	<b>153,195,213</b>	<b>144,097,670</b>	Lbs....	<b>2,055,644,612</b>	<b>1,673,686,525</b>	<b>65,789,628</b>	<b>10,846,812</b>
<b>Nuts, total<sup>6</sup></b>					<b>3,684,481</b>	<b>2,034,302</b>	Lbs....	<b>74,805,263</b>	<b>28,378,115</b>	<b>21,656,598</b>	<b>2,959,845</b>
Almonds.....	11,261	6,319	9.6	7.2	2,408,040	1,166,730	Lbs....	15,680,748	6,092,513	3,924,940	700,304
Pecans.....	275	217	0.2	0.2	2,007	4,226	Lbs....	14,125	44,955	4,241	4,632
Walnuts (Persian or English)	15,506	7,357	13.2	8.3	1,274,434	853,237	Lbs....	50,091,390	21,432,266	17,727,417	2,247,193

<sup>1</sup> Includes quinces and (for 1910) mulberries. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.  
<sup>2</sup> The figures for 1910 and 1909 include nectarines.  
<sup>3</sup> The figures for 1910 and 1909 include mandarins and bananas.  
<sup>4</sup> Less than one-tenth of 1 per cent.  
<sup>5</sup> The figures for 1910 and 1909 include black walnuts and several other varieties of nuts not called for by the 1920 schedule.

# CHANGES IN COUNTY BOUNDARIES.

BUTTE.—Part of Glenn annexed in 1915.  
 ELDERADO.—Part annexed to Placer and part of Placer annexed in 1913.  
 FRESNO.—Part annexed to Kings in 1909.  
 GLENN.—Part annexed to Butte in 1915.  
 IMPERIAL.—Organized from part of San Diego in 1907.  
 KERN.—Part annexed to San Bernardino and part of San Bernardino annexed in 1917.  
 KINGS.—Part of Fresno annexed in 1909.  
 LAKE.—Part annexed to Mendocino and part of Mendocino annexed in 1917.  
 LOS ANGELES.—Parts annexed to San Bernardino and Ventura and parts of San Bernardino and Ventura annexed in 1919.

MENDOCINO.—Parts annexed to Lake and Sonoma and parts of Lake and Sonoma annexed in 1917.  
 PLACER.—Part annexed to Eldorado and part of Eldorado annexed in 1913.  
 RIVERSIDE.—Part annexed to San Bernardino and part of San Bernardino annexed in 1919.  
 SAN BERNARDINO.—Parts annexed to Kern in 1917, and to Los Angeles and Riverside in 1919; part of Kern annexed in 1917, and parts of Los Angeles and Riverside in 1919.  
 SAN DIEGO.—Part taken to form Imperial in 1907.  
 SONOMA.—Part annexed to Mendocino and part of Mendocino annexed in 1917.  
 VENTURA.—Part annexed to Los Angeles and part of Los Angeles annexed in 1919.



**Age of farmers.**—A farmer or farm operator, as defined for census purposes, is a person who operates a farm. The number of farm operators, for which the age distribution is shown in the following table, is therefore the same as the number of farms.

TABLE 40.—FARM OPERATORS CLASSIFIED ACCORDING TO AGE AND TENURE: 1920 AND 1910.

AGE.	TOTAL.		OWNERS.		MAN-AGERS.		TENANTS.	
	1920	1910	1920	1910	1920	1910	1920	1910
All farmers, total....	117,870	88,197	87,580	66,632	4,949	3,417	25,141	18,148
Reporting age.....	115,257	87,883	85,945	66,304	4,807	3,326	24,505	18,053
Under 25 years.....	2,851	2,315	1,376	977	229	196	1,246	1,142
25 to 34 years.....	19,322	14,408	11,001	8,017	1,097	858	7,224	5,593
35 to 44 years.....	30,872	22,868	20,784	16,351	1,581	1,021	8,507	5,496
45 to 54 years.....	29,870	23,072	23,972	18,853	1,073	731	4,825	3,488
55 to 64 years.....	21,270	15,003	18,689	12,977	573	377	2,008	1,649
65 years and over....	11,072	9,957	10,123	9,129	254	143	685	685
Not reporting age.....	2,413	514	1,635	328	142	91	636	95

**Farmers classified by number of years on farm.**—In the following table the farmers of the state are classified according to the number of years they had been on the farms which they were operating when the census was taken. The purpose of this classification is to show the relative stability of the different classes.

In 1920 the date of enumeration (January 1) came just before the period during which changes from one farm to another are commonly made in most localities, and hence at a time when many farmers had almost, but not quite, completed one, two, or more years on their farms. Considerable numbers of these farmers reported one, two, or more full years, in place of reporting the correct number of months (or years and months). In 1910, however, the enumeration date (April 15) was late enough so that, in localities where the common moving time was in the early part of the year, the number of years of occupancy was accurately reported. These differences seriously affect the comparability of the returns, especially for the first two years of occupancy. Hence these two years, which were tabulated separately and are so published in Volume V of the Fourteenth Census Reports, have been combined in the following table.

TABLE 41.—FARM OPERATORS CLASSIFIED ACCORDING TO NUMBER OF YEARS ON FARM, BY TENURE: 1920 AND 1910.

NUMBER OF YEARS ON FARM.	TOTAL.		OWNERS.		MAN-AGERS.		TENANTS.	
	1920	1910	1920	1910	1920	1910	1920	1910
All farmers, total....	117,870	88,197	87,580	66,632	4,949	3,417	25,141	18,148
Rptg. years on farm....	114,823	82,070	85,955	61,433	4,660	3,174	24,199	17,403
Less than 2 years.....	31,042	20,179	18,285	11,521	1,224	10,793	7,434	5,010
2 to 4 years.....	26,723	23,299	17,727	16,147	1,238	995	7,758	6,157
5 to 9 years.....	24,881	15,899	20,405	12,950	835	501	3,551	2,418
10 years and over.....	32,177	22,723	29,448	20,815	632	454	2,097	1,454
Not reporting.....	2,847	6,127	1,625	5,199	280	243	942	685

**Cooperative marketing and purchasing.**—Cooperative marketing of farm products or cooperative purchasing of supplies through farmers' organizations in 1919 was reported by 26,415 farms in California, including 5,149 farms which reported both sales and

purchases, 20,623 farms which reported sales only, and 643 farms which reported purchases only.

TABLE 42.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: 1919.

ITEM.	FARMS REPORTING.		AMOUNT.	
	Number.	Per cent of all farms.	Total.	Average per farm.
Marketing or purchasing.....	26,415	22.4		
Marketing.....	26,772	21.9	\$127,090,981	\$4,966
Purchasing.....	5,792	4.9	4,321,129	746

**Farm facilities—Motor vehicles, telephones, water, and light on farms.**—The following table indicates the extent to which the farmers of California used motor vehicles and telephones, and the extent to which the farm homes were supplied with water and modern lighting facilities.

TABLE 43.—MOTOR VEHICLES, TELEPHONES, WATER, AND LIGHT ON FARMS: 1920.

ITEM.	FARMS REPORTING.		Number reported.	Number per 1,000 of all farms.
	Number.	Per cent of all farms.		
Automobiles.....	62,453	53.1	71,518	806
Motor trucks.....	5,900	5.0	6,416	54
Tractors.....	12,121	10.3	13,852	117
Telephones.....	37,300	31.7		
Water piped into house.....	65,928	56.0		
Gas or electric light.....	30,519	25.9		

**Pure-bred live stock on farms.**—The inquiry relating to pure-bred live stock called for registered animals only, but it seems evident, from a study of the returns, that some animals merely eligible for registry (but not actually registered) were included in the reports.

The number of farms in California in 1920 was 117,670, of which number 99,661 reported domestic animals of some kind, and 9,506 reported pure-bred live stock.

TABLE 44.—PURE-BRED LIVE STOCK CLASSIFIED ACCORDING TO BREED: 1920.

NOTE.—Pure-bred horses reported in California represented 0.4 per cent of all horses on farms (see Table 23); pure-bred cattle, 1.6 per cent of the total; pure-bred sheep, 1.2 per cent; and pure-bred swine, 3.9 per cent.

BREED.	Number.	BREED.	Number.
<b>Horses, total.....</b>	<b>1,615</b>	<b>Sheep, total.....</b>	<b>28,831</b>
American Saddle.....	27	Dorset Horn.....	48
Belgian.....	152	Hampshire Down.....	1,372
Clydesdale.....	37	Lincoln.....	148
French Draft.....	11	Merino.....	5,010
German Coach.....	24	Rambouillet.....	15,175
Percheron.....	769	Shropshire.....	6,242
Shire.....	110	Southdown.....	68
Standard Breed.....	35	All other breeds <sup>1</sup> .....	768
Thoroughbred.....	113		
All other breeds <sup>1</sup> .....	337	<b>Swine, total.....</b>	<b>35,741</b>
<b>Cattle, total.....</b>	<b>32,388</b>	Berkshire.....	5,348
Beef breeds, total.....	13,244	Chester White.....	907
Aberdeen Angus.....	1,182	Duroc-Jersey.....	14,153
Galloway.....	47	Essex.....	27
Hereford.....	5,238	Hampshire.....	2,699
Polled Durham.....	3,100	Poland China.....	11,146
Shorthorn.....	3,045	Tamworth.....	96
All other beef breeds <sup>1</sup> .....	632	Yorkshire.....	233
<b>Dairy breeds, total.....</b>	<b>19,144</b>	All other breeds <sup>1</sup> .....	942
Ayrshire.....	595		
Brown Swiss.....	36		
Guernsey.....	1,145		
Holstein-Friesian.....	12,189		
Jersey.....	3,832		
All other dairy breeds <sup>1</sup> .....	1,347		

<sup>1</sup> Includes animals reported as pure bred, with breed not specified.



Calves, pigs, and lambs raised on farms.—The figures presented include young animals born in 1919, which were retained on the farm, sold to others, or slaughtered for food, but do not include young animals purchased or those that died.

TABLE 45.—CALVES, PIGS, AND LAMBS RAISED ON FARMS: 1919.

ITEM.	FARMS REPORTING.		ANIMALS RAISED.	
	Number.	Per cent of all farms.	Number.	Average per farm.
Calves.....	44,132	37.5	558,832	12.7
Pigs.....	24,120	20.5	683,022	28.3
Lambs.....	4,015	3.4	897,136	223.4

Domestic animals sold or slaughtered on farms.—The number of cattle, swine, and sheep slaughtered on farms was reported for both 1919 and 1909, but the farm schedule for 1919 carried no inquiry with regard to the value of the animals slaughtered or with regard to the number or value of the animals sold by farmers. The total value of domestic animals sold or slaughtered on farms in California in 1919 has been estimated, however, at \$67,500,000, as compared with \$33,627,120, the value reported for 1909.

TABLE 46.—DOMESTIC ANIMALS SLAUGHTERED ON FARMS: 1919 AND 1909.

ITEM AND CENSUS YEAR.	FARMS REPORTING.		ANIMALS SLAUGHTERED.		Meat and meat products sold (pounds).
	Number.	Per cent of all farms.	Number.	Average per farm.	
Cattle and calves.....1919..	7,370	6.3	48,737	6.3	6,389,961
.....1909..	.....	.....	86,857	.....	.....
Cattle.....1909..	4,054	4.6	36,319	9.0	.....
Calves.....1909..	4,707	5.4	50,538	10.6	.....
Swine.....1919..	30,111	25.6	109,582	3.6	4,645,529
.....1909..	16,337	17.4	82,270	5.4	.....
Sheep and lambs.....1919..	1,988	1.7	20,283	10.2	275,546
.....1909..	919	1.0	35,915	39.1	.....

Sales of selected crops.—The sales of the crops listed represent that part of the year's production which was sold, or to be sold, by those farmers who produced the crops.

TABLE 47.—PRODUCTION AND SALES OF SELECTED CROPS: 1919 AND 1909.

CROP AND CENSUS YEAR.	Farms reporting production.	FARMS REPORTING SALES.		Production.	QUANTITY SOLD (OR TO BE SOLD).	
		Number.	Per cent of farms reporting production.		Amount.	Per cent of production.
Corn.....1919..	8,271	2,020	24.4	<i>Bushels.</i> 3,448,459	<i>Bushels.</i> 2,170,411	62.9
.....1909..	5,728	1,021	17.8	1,273,901	352,548	27.7
Oats.....1919..	3,696	2,032	55.5	2,966,776	1,988,044	67.0
.....1909..	2,477	1,287	52.0	4,143,688	2,192,824	52.9
Barley.....1919..	10,743	7,319	68.1	21,897,283	15,015,964	68.6
.....1909..	7,597	4,492	59.1	26,441,954	14,106,453	53.3
Hay.....1919..	.....	.....	.....	<i>Tons.</i> 4,111,688	<i>Tons.</i> 977,704	23.8
.....1909..	.....	.....	.....	4,175,933	926,123	22.2
Potatoes.....1919..	11,518	5,069	49.2	<i>Bushels.</i> 8,217,937	<i>Bushels.</i> 7,167,391	87.2
Apples.....1919..	.....	8,761	.....	7,842,017	6,828,623	87.1

Fruit products of farms.—The figures relate only to fruit products obtained from fruit grown on those farms reporting the products.

TABLE 48.—FRUIT PRODUCTS (FARM PRODUCTION): 1919 AND 1909.

ITEM.	Farms reporting.	Production.
Cider.....1919..	1,262	<i>Gallons.</i> 100,420
.....1909..	481	118,456
Cider made (or to be made) into vinegar.....1919..	819	48,086
Vinegar made on farms.....1909..	978	244,683
Grape juice.....1919..	1,037	1,820,895
Wine and grape juice.....1909..	2,163	16,005,519
Dried fruits.....1919..	25,349	<i>Pounds.</i> 577,041,118
.....1909..	12,924	358,706,384

<sup>1</sup> Includes vinegar other than that made from cider.

Forest products of farms.—Forest products, as defined on the farm schedule, include firewood, fence posts, crossties, pulp wood, saw logs, poles, etc., and standing timber sold and cut during the years indicated. The figures cover only forest products of farms and do not represent by any means the total value of all forest products cut in the state during the census years.

TABLE 49.—FOREST PRODUCTS OF FARMS: 1919 AND 1909.

ITEM.	1919	1909
Forest products of farms:		
Farms reporting.....	10,967	16,017
Per cent of all farms.....	0.3	18.2
Value.....	\$4,248,661	\$2,949,732
Average per farm reporting.....	\$387	\$184
Forest products sold from farms (or cut and held for sale):		
Farms reporting.....	3,305	.....
Value.....	\$2,673,087	\$1,901,452
Average per farm reporting.....	\$809	.....
Forest products used on farms (or cut and held for use):		
Farms reporting.....	10,005	.....
Value.....	\$1,575,574	\$1,048,280
Average per farm reporting.....	\$167	.....

Nurseries and greenhouses.—The data presented for nurseries include the returns from all farms and establishments reporting receipts from the sale of nursery stock, and those for greenhouses include the returns from all farms and establishments reporting receipts from the sale of greenhouse products (whether grown in hothouses or in cold frames).

TABLE 50.—NURSERIES AND GREENHOUSES: 1919 AND 1909.

ITEM.	1919	1909
Nurseries:		
Number of nurseries (farms and establishments) reporting.....	540	566
Acreage used for growing nursery stock.....	4,080	4,803
Receipts from sale of products.....	\$2,929,458	\$2,212,788
Average receipts per nursery.....	\$5,425	\$3,910
Average receipts per acre.....	\$718.00	\$460.71
Greenhouses:		
Number of farms and establishments reporting.....	539	442
Square feet under glass.....	5,063,298	5,037,132
Receipts from sale of products.....	\$2,177,371	\$1,388,513
Flowers and flowering plants.....	\$2,090,368	.....
Vegetables and vegetable plants.....	\$78,003	.....
Average receipts per farm or establishment.....	\$4,040	\$3,141



COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920,

	THE STATE.	Alameda.	Alpine.	Amador.	Butte. <sup>1</sup>	Calaveras.	Colusa.
<b>ALL FARMS.</b>							
1 Number of farms, 1920.....	117,670	2,778	21	479	2,219	606	816
2     1910.....	88,197	2,422	42	537	1,500	632	667
3     1900.....	72,542	2,787	37	560	1,179	575	582
4 All farmers classified by sex, 1920:							
5     Male.....number.....	111,896	2,582	18	451	2,093	540	780
6     Female.....number.....	5,774	196	3	28	126	66	36
7 Color and nativity of all farmers, 1920:							
8     Native white.....number.....	76,995	1,158	14	361	1,763	463	663
9     Foreign-born white.....number.....	34,189	1,440	5	117	417	141	130
10     Negro and other nonwhite.....number.....	6,486	180	2	1	39	2	23
11 All farms classified by size, 1920:							
12     Under 3 acres.....number.....	2,904	298	.....	1	24	.....	3
13     3 to 9 acres.....number.....	13,793	770	.....	18	207	12	38
14     10 to 19 acres.....number.....	17,370	472	.....	11	377	11	52
15     20 to 49 acres.....number.....	31,723	382	1	40	607	39	128
16     50 to 99 acres.....number.....	15,034	221	2	50	276	50	88
17     100 to 174 acres.....number.....	13,217	212	5	102	256	146	111
18     175 to 259 acres.....number.....	5,320	113	1	58	111	50	49
19     260 to 499 acres.....number.....	8,351	163	6	101	176	137	140
20     500 to 999 acres.....number.....	5,052	85	5	52	96	80	101
21     1,000 acres and over.....number.....	4,906	62	1	46	89	81	106
<b>LAND AND FARM AREA.</b>							
22 Approximate land area, 1920.....acres.....	99,617,280	468,480	496,640	384,640	1,086,720	657,280	729,600
23 Land in farms, 1920.....acres.....	29,365,667	359,742	10,042	312,106	464,625	366,195	438,417
24     1910.....acres.....	27,931,444	311,327	32,004	291,730	490,777	271,401	522,376
25     1900.....acres.....	28,828,951	398,289	15,681	204,024	677,080	212,820	550,002
26 Improved land in farms, 1920.....acres.....	11,878,339	185,324	4,306	59,986	253,745	58,957	302,439
27     1910.....acres.....	11,389,894	177,314	7,579	46,969	247,097	59,104	336,509
28     1900.....acres.....	11,958,837	226,118	4,391	48,936	302,029	41,402	358,227
29 Woodland in farms, 1920.....acres.....	4,252,287	21,200	1,030	127,297	70,815	170,635	30,132
30 Other unimproved land in farms, 1920.....acres.....	13,235,041	153,218	4,706	124,823	140,065	136,553	105,866
31 Per cent of land area in farms, 1920.....	29.5	76.8	2.0	81.1	42.8	55.7	60.1
32 Per cent of farm land improved, 1920.....	40.4	51.5	42.9	19.2	54.6	16.1	69.0
33 Average acreage per farm, 1920.....	249.6	120.5	478.2	651.6	209.4	604.3	537.3
34 Average improved acreage per farm, 1920.....	100.9	66.7	205.0	125.2	114.4	97.3	370.6
<b>VALUE OF FARM PROPERTY.</b>							
35 All farm property, 1920.....dollars.....	3,431,021,861	57,341,179	584,524	7,850,755	53,390,133	8,964,798	41,101,220
36     1910.....dollars.....	1,614,694,584	30,840,660	811,442	4,820,809	24,086,440	3,973,409	19,602,208
37     1900.....dollars.....	796,527,955	34,619,536	324,441	3,318,850	15,535,404	2,335,659	13,054,483
38 Land in farms, 1920.....dollars.....	2,783,054,977	43,864,634	410,525	5,038,306	42,421,970	6,124,432	33,903,750
39     1910.....dollars.....	1,317,195,448	29,537,208	530,968	3,252,895	19,404,863	2,376,303	16,066,035
40     1900.....dollars.....	630,444,900	28,751,590	198,100	2,185,150	12,460,530	1,303,510	10,885,350
41 Farm buildings, 1920.....dollars.....	290,756,132	7,133,683	52,275	708,115	4,990,352	930,210	2,834,503
42     1910.....dollars.....	133,406,040	4,463,555	88,475	589,025	2,281,132	664,000	1,204,780
43     1900.....dollars.....	77,468,000	3,485,310	45,400	495,630	1,434,870	427,190	838,420
44 Implements and machinery, 1920.....dollars.....	136,069,290	2,004,942	19,685	237,458	2,668,795	311,975	2,039,783
45     1910.....dollars.....	36,493,158	817,861	30,405	141,379	532,320	138,905	419,557
46     1900.....dollars.....	21,311,670	780,040	10,810	127,180	439,390	89,030	417,690
47 Livestock on farms, 1920.....dollars.....	221,141,462	4,337,920	96,039	1,275,876	3,318,016	1,592,181	2,328,193
48     1910.....dollars.....	127,599,938	2,022,405	161,594	830,610	1,868,125	794,201	1,911,836
49     1900.....dollars.....	67,303,325	1,602,596	70,131	510,890	1,200,614	425,929	913,023
50 Average values, 1920:							
51 All property per farm.....dollars.....	29,158	20,641	27,834	16,400	24,065	14,793	50,308
52 Land and buildings per farm.....dollars.....	26,122	18,358	22,324	13,249	21,367	11,651	45,022
53 Land alone per acre.....dollars.....	94.77	121.93	41.48	18.07	91.30	16.72	77.33
<b>FARMS OPERATED BY OWNERS.</b>							
54 Number of farms, 1920.....	87,580	1,886	18	380	1,833	526	555
55     1910.....	66,632	1,690	32	437	1,230	556	449
56     1900.....	52,529	1,792	34	476	901	492	372
57 Per cent of all farms, 1920.....	74.4	67.9	85.7	79.3	82.6	86.8	68.0
58 Land in farms, 1920.....acres.....	17,166,215	192,257	9,202	225,330	311,890	321,167	226,962
59 Improved land in farms, 1920.....acres.....	6,819,212	95,642	4,094	31,309	156,137	51,193	161,673
60 Value of land and buildings, 1920.....dollars.....	1,000,924,411	29,374,777	432,800	4,564,751	30,383,752	6,108,712	22,027,592
61 Degree of ownership, 1920:							
62     Farmers owning entire farm.....number.....	75,882	1,583	17	316	1,588	391	420
63     Farmers hiring additional land.....number.....	11,698	303	1	64	245	135	135
64 Color and nativity of owners, 1920:							
65     Native white owners.....number.....	60,264	787	11	292	1,479	398	472
66     Foreign-born white owners.....number.....	20,073	1,074	5	88	343	126	82
67     Negro and other nonwhite owners.....number.....	1,243	25	2	.....	11	2	1
<b>FARMS OPERATED BY MANAGERS.</b>							
68 Number of farms, 1920.....	4,049	71	.....	13	99	23	19
69     1910.....	3,417	86	2	11	53	7	17
70     1900.....	3,253	99	2	11	58	9	7
71 Land in farms, 1920.....acres.....	5,485,447	23,423	.....	64,821	50,922	19,152	64,749
72 Improved land in farms, 1920.....acres.....	1,587,518	10,058	.....	21,450	41,315	1,939	36,520
73 Value of land and buildings, 1920.....dollars.....	442,032,436	3,241,950	.....	1,034,500	6,977,000	405,005	2,954,748
<b>FARMS OPERATED BY TENANTS.</b>							
74 Number of farms, 1920.....	25,141	821	3	56	287	57	242
75     1910.....	18,148	646	8	80	217	69	201
76     1900.....	16,760	896	1	73	220	7	203
77 Per cent of all farms, 1920.....	21.4	29.6	14.3	18.0	12.9	9.4	29.7
78 Land in farms, 1920.....acres.....	6,684,005	144,062	840	21,955	101,813	25,870	146,706
79 Improved land in farms, 1920.....acres.....	3,471,609	79,624	212	7,221	50,293	5,825	104,236
80 Value of land and buildings, 1920.....dollars.....	730,854,262	18,381,590	36,000	747,170	10,051,570	546,925	11,755,913
81 Form of tenancy, 1920:							
82     Share tenants.....number.....	9,643	271	.....	18	132	13	129
83     Share-cash tenants.....number.....	742	49	.....	.....	7	1	1
84     Cash tenants.....number.....	14,230	458	3	68	131	36	88
85     Unspecified.....number.....	526	43	.....	.....	17	7	12
86 Color and nativity of tenants, 1920:							
87     Native white tenants.....number.....	12,818	327	3	59	204	45	175
88     Foreign-born white tenants.....number.....	7,229	340	.....	28	58	12	46
89     Negro and other nonwhite tenants.....number.....	5,094	154	.....	1	25	.....	21

<sup>1</sup> Change of boundary. See explanation on p. 71.



WITH SELECTED ITEMS FOR 1910 AND 1900.

Contra Costa.	Del Norte.	Eldorado. <sup>1</sup>	Fresno. <sup>1</sup>	Glenn. <sup>1</sup>	Humboldt.	Imperial. <sup>1</sup>	Inyo.	Kern. <sup>1</sup>	Kings. <sup>1</sup>	Lake. <sup>1</sup>	Lassen.	
1,675	130	729	8,917	1,320	1,756	2,843	521	2,020	2,171	771	606	1
1,465	114	716	6,245	663	1,534	1,322	438	1,167	1,837	603	502	2
1,511	131	759	3,290	529	1,500	.....	424	1,008	932	723	555	3
1,597	125	696	8,621	1,268	1,681	2,790	486	1,944	2,080	736	584	4
78	5	33	296	52	75	53	35	76	85	35	22	5
906	80	571	4,488	982	970	1,956	465	1,459	1,301	639	515	6
673	41	147	3,801	331	738	500	91	498	709	128	76	7
96	9	11	628	7	48	387	25	63	101	4	15	8
29	2	2	14	6	31	9	4	8	10	3	6	9
179	3	36	328	41	111	117	25	76	89	36	14	10
226	4	32	887	127	175	158	40	149	198	61	7	11
306	11	70	5,137	411	358	728	84	641	827	104	33	12
182	16	98	1,302	180	264	761	86	300	431	107	31	13
222	30	175	596	153	288	625	140	356	293	138	134	14
137	20	92	155	65	129	180	37	68	85	59	58	15
205	23	111	216	117	153	197	59	177	124	102	151	16
129	12	63	124	104	97	61	27	108	40	55	90	17
60	9	50	158	116	150	9	19	128	65	46	82	18
456,960	655,360	1,111,680	3,808,000	855,680	2,288,000	2,616,960	6,394,240	5,121,920	741,760	792,320	2,899,840	19
375,065	43,830	240,265	1,319,531	524,407	717,174	347,485	140,029	1,497,045	505,553	241,899	741,220	20
406,433	35,947	210,881	1,106,616	401,198	642,536	223,602	110,142	1,403,350	373,823	217,464	295,728	21
406,593	33,115	209,320	1,284,736	577,363	648,511	.....	141,059	1,571,106	387,505	212,176	381,109	22
238,369	13,252	43,413	672,591	336,482	98,064	310,708	39,904	390,932	259,630	45,355	140,887	23
262,152	12,439	41,682	590,205	309,765	105,248	176,089	38,698	315,387	190,599	42,768	122,057	24
262,617	9,787	45,481	780,337	355,781	77,238	.....	43,740	324,031	262,148	41,414	133,266	25
31,265	10,207	72,623	107,456	36,461	225,857	1,365	20,158	45,877	5,870	54,781	233,724	26
105,431	11,371	124,829	530,484	151,464	393,253	35,412	79,967	1,060,236	240,044	141,763	366,009	27
82.1	6.3	21.6	34.7	61.3	31.3	13.3	2.2	29.2	68.2	30.5	25.6	28
63.6	30.2	18.1	51.0	64.2	13.7	89.4	28.5	26.1	51.4	18.7	19.0	29
223.9	337.2	320.6	148.0	307.3	408.4	122.2	268.8	741.1	232.9	313.7	1,223.1	30
142.3	101.9	59.6	75.4	254.9	55.8	109.3	76.6	193.5	119.6	58.8	232.5	31
47,930,387	3,452,392	8,028,401	303,094,622	45,474,611	40,672,483	60,171,545	14,945,798	76,915,046	67,900,505	12,764,520	20,396,238	32
31,812,192	1,770,222	3,775,358	92,583,058	16,581,419	21,230,881	23,646,067	7,112,903	30,405,013	33,312,292	6,271,615	9,376,809	33
18,874,387	1,021,040	2,590,574	42,820,479	10,299,300	13,241,799	.....	2,571,629	14,246,125	5,921,907	3,495,090	5,365,615	34
38,373,973	2,592,503	5,230,220	260,496,470	35,157,244	28,603,345	54,999,817	10,621,080	61,688,648	56,192,752	9,912,320	13,803,528	35
26,589,160	1,358,300	2,343,931	75,136,654	13,425,220	10,378,032	19,832,060	5,210,586	23,962,202	26,007,591	4,792,480	6,331,832	36
15,553,110	687,830	1,546,240	34,201,530	8,473,830	9,524,850	1,584,750	1,584,750	10,404,540	3,420,410	2,419,280	2,949,510	37
4,406,950	314,647	1,241,931	19,304,721	3,781,758	4,079,399	3,118,447	1,235,175	3,470,748	4,143,236	1,365,690	1,544,209	38
2,493,375	171,380	749,745	6,861,289	1,110,215	2,054,525	764,065	558,740	1,252,139	2,145,975	782,735	765,460	39
1,675,790	121,840	566,120	3,092,140	719,510	1,282,880	.....	317,060	664,120	811,920	524,180	708,010	40
1,783,859	128,383	387,000	12,116,265	2,534,632	1,590,802	2,950,548	492,558	2,090,973	2,945,635	588,190	884,741	41
680,520	48,265	162,185	3,228,706	390,333	444,280	459,535	189,810	614,028	654,971	207,211	289,287	42
404,600	35,130	116,320	1,593,800	299,620	311,020	.....	95,590	347,640	348,330	111,420	255,220	43
3,365,605	416,859	1,169,160	11,117,166	4,000,977	6,398,937	8,102,733	2,596,985	9,665,277	4,618,882	898,320	4,163,760	44
2,052,137	192,277	519,497	7,356,409	1,655,651	2,354,044	2,580,207	1,153,767	4,576,644	4,503,755	489,189	1,990,230	45
1,240,897	176,240	361,894	3,941,919	806,340	2,123,040	.....	574,229	2,829,825	1,341,247	440,210	1,452,875	46
28,615	20,557	11,013	33,991	34,450	23,162	24,330	28,687	38,077	31,276	16,556	33,657	47
25,541	22,363	8,878	31,385	29,499	18,612	20,443	22,757	32,257	27,792	14,628	25,326	48
102.31	59.15	21.77	197.42	67.04	39.88	158.28	75.85	41.21	111.15	40.98	18.62	49
1,049	81	622	7,291	1,044	1,102	1,343	410	1,566	1,558	634	499	50
890	79	642	5,227	512	991	824	361	1,391	1,391	484	414	51
867	92	672	2,409	360	1,006	.....	352	826	654	578	453	52
62.6	62.3	85.3	81.8	79.1	62.8	47.2	80.4	77.5	71.8	82.2	82.3	53
170,230	20,462	201,674	686,722	310,174	352,472	158,182	86,548	631,461	289,109	172,790	440,565	54
100,825	7,498	35,527	380,980	189,884	46,642	135,923	31,165	136,837	133,507	33,898	100,659	55
20,209,772	1,693,300	5,548,785	186,714,404	25,431,222	13,861,922	25,596,103	8,690,955	27,526,301	32,739,081	8,512,160	10,000,757	56
818	68	564	6,824	791	969	1,172	391	1,376	1,366	566	424	57
231	13	58	467	253	133	171	28	190	192	68	75	58
610	54	481	3,725	778	647	1,086	319	1,189	1,057	513	418	59
426	22	135	3,417	266	410	189	79	252	481	117	66	60
13	5	6	149	.....	45	68	21	25	20	4	15	61
76	12	15	288	45	71	97	20	87	73	13	26	62
73	5	6	279	16	46	77	4	58	56	12	17	63
62	.....	6	97	19	56	.....	9	34	44	12	30	64
49,146	10,993	8,224	331,482	79,816	166,660	35,932	40,290	639,628	104,416	5,420	258,283	65
27,025	1,267	1,860	159,221	46,567	6,030	31,956	2,954	197,474	64,435	895	22,176	66
4,965,175	340,000	219,800	42,456,061	4,056,380	3,651,869	6,045,950	1,884,250	28,623,020	13,340,760	307,500	3,990,350	67
550	37	92	1,338	231	583	1,403	82	367	540	124	81	68
502	30	68	739	135	497	421	73	203	380	107	71	69
582	39	81	784	150	438	.....	63	238	234	72	70	70
32.8	28.5	12.6	15.0	17.5	33.2	49.3	15.7	18.2	24.9	16.1	13.4	71
155,689	12,375	30,367	301,327	134,417	198,042	153,371	13,191	225,956	112,028	63,689	42,372	72
110,519	4,487	6,026	126,390	100,031	45,392	142,829	5,785	56,621	61,697	10,562	13,052	73
17,605,976	873,850	703,566	50,090,726	9,451,400	15,168,953	26,476,211	1,275,950	9,010,075	14,256,147	2,458,350	1,290,630	74
203	2	22	996	102	22	403	20	153	218	40	38	75
35	.....	9	9	26	2	27	.....	6	16	.....	.....	76
312	31	70	333	89	550	928	43	208	306	62	4	77
.....	4	.....	.....	14	9	45	19	.....	.....	16	2	78
244	17	79	577	168	268	787	68	195	247	115	76	79
226	16	9	324	57	312	298	10	135	215	9	5	80
80	4	4	437	6	3	318	4	37	78	.....	.....	81



COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920.

		Los Angeles. <sup>1</sup>	Madera.	Marin.	Mariposa.	Mendocino. <sup>1</sup>	Merced.	Modoc.	Mono.
<b>ALL FARMS.</b>									
1	Number of farms, 1920.....	12,444	1,402	718	367	1,759	2,846	743	74
2	1910.....	7,919	573	498	330	1,356	1,856	736	91
3	1900.....	6,577	523	462	381	1,452	999	638	112
4	All farmers classified by sex, 1920:								
5	Male.....number..	11,739	1,347	682	341	1,683	2,769	715	62
6	Female.....number..	705	55	36	26	76	77	28	12
7	Color and nativity of all farmers, 1920:								
8	Native white.....number..	8,436	969	296	313	1,244	1,425	634	46
9	Foreign-born white.....number..	2,441	379	419	51	480	1,357	85	19
10	Negro and other nonwhite.....number..	1,567	54	3	3	35	64	24	9
11	All farms classified by size, 1920:								
12	Under 3 acres.....number..	1,205	12	27	.....	2	9	1	1
13	3 to 9 acres.....number..	3,398	36	104	3	70	109	7	.....
14	10 to 19 acres.....number..	2,902	65	115	4	111	222	7	1
15	20 to 49 acres.....number..	2,437	473	70	12	276	1,225	22	4
16	50 to 99 acres.....number..	964	204	36	21	211	577	55	8
17	100 to 174 acres.....number..	705	224	43	89	362	272	179	24
18	175 to 259 acres.....number..	279	40	39	26	149	100	56	7
19	260 to 499 acres.....number..	325	150	76	103	253	104	191	12
20	500 to 999 acres.....number..	132	108	106	52	134	104	125	8
21	1,000 acres and over.....number..	97	118	102	57	191	136	99	9
<b>LAND AND FARM AREA.</b>									
22	Approximate land area, 1920.....acres..	2,633,600	1,351,680	338,560	936,320	2,264,960	1,276,800	2,446,720	1,939,200
23	Land in farms, 1920.....acres..	882,333	539,726	260,148	235,849	923,087	1,122,550	598,757	42,034
24	1910.....acres..	757,985	620,663	233,442	206,059	721,325	1,162,167	410,132	115,672
25	1900.....acres..	895,663	484,659	322,374	160,156	742,024	1,702,967	208,755	186,063
26	Improved land in farms, 1920.....acres..	483,096	262,971	87,846	49,587	101,220	506,582	168,251	8,740
27	1910.....acres..	418,998	391,086	93,115	37,017	82,578	607,742	164,784	43,382
28	1900.....acres..	518,744	277,721	47,533	14,003	73,907	613,376	122,647	65,238
29	Woodland in farms, 1920.....acres..	32,070	86,639	85,876	64,298	261,196	83,873	129,819	735
30	Other unimproved land in farms, 1920.....acres..	367,167	187,116	143,426	121,964	560,671	577,095	298,687	32,559
31	Per cent of land area in farms, 1920.....	33.5	30.7	25.7	25.2	40.8	87.9	24.4	2.2
32	Per cent of farm land improved, 1920.....	54.8	49.0	30.3	21.0	11.0	45.1	28.2	20.8
33	Average acreage per farm, 1920.....	70.9	382.8	404.1	642.6	524.8	304.4	803.2	568.0
34	Average improved acreage per farm, 1920.....	38.8	187.6	122.3	135.1	57.5	178.0	226.4	118.1
<b>VALUE OF FARM PROPERTY.</b>									
35	All farm property, 1920.....dollars..	396,596,914	39,485,188	19,954,684	5,107,025	30,267,265	102,044,706	22,009,931	2,596,663
36	1910.....dollars..	199,998,200	14,984,305	12,426,158	2,820,235	14,659,467	49,520,913	11,376,263	2,347,797
37	1900.....dollars..	74,817,646	5,016,894	10,560,511	1,828,151	8,587,516	22,636,859	5,363,627	1,175,743
38	Land in farms, 1920.....dollars..	340,682,213	32,464,406	13,079,670	3,596,817	21,972,951	77,682,800	15,601,701	1,800,885
39	1910.....dollars..	180,354,798	12,203,638	9,384,625	1,817,100	10,774,439	40,047,324	7,379,085	1,587,813
40	1900.....dollars..	64,189,220	4,588,770	8,330,450	752,090	5,840,250	18,449,650	2,825,360	519,040
41	Farm buildings, 1920.....dollars..	33,995,450	2,320,001	2,632,960	448,390	3,741,630	9,622,430	1,405,254	159,695
42	1910.....dollars..	11,798,273	771,895	1,150,830	276,180	1,816,135	2,338,587	1,004,180	154,700
43	1900.....dollars..	6,702,710	433,050	614,020	207,640	1,081,090	984,040	521,900	87,380
44	Implements and machinery, 1920.....dollars..	10,782,774	1,695,450	1,027,633	188,302	1,246,956	3,505,015	727,218	75,275
45	1910.....dollars..	2,462,387	441,455	343,482	79,403	375,049	804,625	365,550	45,345
46	1900.....dollars..	1,433,050	214,100	207,110	59,960	219,030	501,480	174,200	26,340
47	Live stock on farms, 1920.....dollars..	11,136,477	2,999,241	3,314,421	875,516	3,305,728	11,234,338	4,275,758	560,808
48	1910.....dollars..	6,382,742	1,507,707	1,541,221	656,552	1,693,844	6,330,377	2,627,448	559,939
49	1900.....dollars..	2,492,666	680,974	1,414,931	308,461	1,446,546	2,701,689	1,842,867	542,983
50	Average values, 1920:								
51	All property per farm.....dollars..	31,871	28,163	27,792	13,916	17,207	35,856	29,623	35,090
52	Land and buildings per farm.....dollars..	30,109	24,815	21,745	11,022	14,619	30,677	22,890	26,494
53	Land alone per acre.....dollars..	38.12	60.49	45.08	15.25	23.80	69.20	26.14	42.84
<b>FARMS OPERATED BY OWNERS.</b>									
54	Number of farms, 1920.....	8,578	1,108	373	324	1,400	2,108	604	68
55	1910.....	5,599	419	196	292	1,069	1,405	594	75
56	1900.....	4,825	357	162	337	1,173	668	502	98
57	Per cent of all farms, 1920.....	68.9	79.0	51.9	88.3	70.6	74.1	81.3	91.9
58	Land in farms, 1920.....acres..	532,603	285,793	78,513	207,172	601,988	527,124	423,962	40,911
59	Improved land in farms, 1920.....acres..	265,552	126,800	33,997	45,237	71,258	264,096	127,957	8,320
60	Value of land and buildings, 1920.....dollars..	225,340,315	17,729,993	5,200,686	3,620,667	18,526,907	42,588,172	11,673,484	1,903,680
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number..	7,598	1,014	330	262	1,245	1,694	526	66
63	Farmers hiring additional land.....number..	980	94	34	62	155	414	78	2
64	Color and nativity of owners, 1920:								
65	Native white owners.....number..	6,736	749	175	276	974	1,087	514	40
66	Foreign-born white owners.....number..	1,773	317	197	46	396	975	66	19
67	Negro and other nonwhite owners.....number..	69	42	1	2	30	46	24	9
<b>FARMS OPERATED BY MANAGERS.</b>									
68	Number of farms, 1920.....	692	71	35	5	62	61	30	2
69	1910.....	352	23	11	4	47	58	27	3
70	1900.....	392	18	13	2	39	25	20	4
71	Land in farms, 1920.....acres..	153,917	95,397	18,975	932	145,835	353,439	63,025	400
72	Improved land in farms, 1920.....acres..	59,769	23,347	8,492	293	6,937	102,497	17,010	80
73	Value of land and buildings, 1920.....dollars..	59,040,492	6,145,629	1,517,110	19,500	2,658,104	23,310,786	1,784,686	16,400
<b>FARMS OPERATED BY TENANTS.</b>									
74	Number of farms, 1920.....	3,174	223	310	38	297	677	109	4
75	1910.....	1,968	131	291	34	240	393	115	13
76	1900.....	1,360	148	287	42	240	306	116	10
77	Per cent of all farms, 1920.....	25.5	15.9	43.2	10.4	16.9	23.8	14.7	5.4
78	Land in farms, 1920.....acres..	195,813	155,536	192,660	27,745	175,264	241,987	109,770	723
79	Improved land in farms, 1920.....acres..	157,775	112,824	45,357	4,057	23,025	139,989	23,284	340
80	Value of land and buildings, 1920.....dollars..	90,296,856	10,914,875	8,894,634	405,040	4,529,570	21,406,485	3,548,785	40,500
81	Form of tenancy, 1920:								
82	Share tenants.....number..	533	117	9	14	72	255	57	.....
83	Share-cash tenants.....number..	64	.....	.....	.....	5	12	1	.....
84	Cash tenants.....number..	2,647	105	300	24	214	398	51	4
85	Unspecified.....number..	30	1	1	.....	6	12	.....	.....
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number..	1,133	167	96	33	220	298	93	4
88	Foreign-born white tenants.....number..	560	47	212	4	75	362	16	.....
89	Negro and other nonwhite tenants.....number..	1,481	9	2	1	2	17	.....	.....

<sup>1</sup>Change of boundary. See explanation on p. 71.



WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Monterey.	Napa.	Nevada.	Orange.	Placer. <sup>1</sup>	Plumas.	Riverside. <sup>1</sup>	Sacramento.	San Benito.	San Bernar- dino. <sup>1</sup>	San Diego. <sup>1</sup>	San Fran- cisco.	
1,712	1,428	481	4,188	1,280	150	3,949	2,975	945	4,023	3,200	74	1
1,658	1,537	544	3,165	1,062	221	2,688	1,601	921	2,949	2,298	157	2
1,850	1,386	522	2,388	1,076	267	2,340	1,392	907	2,550	2,698	304	3
1,656	1,318	455	3,944	1,200	149	3,711	2,856	893	3,708	3,033	73	4
56	110	26	244	80	1	238	119	52	315	167	1	5
1,029	875	361	3,228	719	104	3,173	1,579	657	3,218	2,315	15	6
595	548	116	791	296	42	681	810	256	772	635	55	7
88	5	4	169	265	4	95	586	32	33	250	4	8
8	7	8	129	12	-----	85	36	7	111	161	37	9
57	118	27	1,034	41	1	605	370	65	920	626	20	10
89	254	40	1,222	140	2	821	514	128	1,092	523	3	11
204	384	60	1,078	423	9	975	773	179	904	573	7	12
234	187	69	310	267	8	463	406	102	343	296	5	13
278	171	80	151	180	20	430	338	95	329	391	1	14
142	70	57	83	62	12	159	157	40	80	190	-----	15
246	105	68	88	78	28	175	173	105	160	267	1	16
204	67	40	60	39	32	122	122	105	44	150	-----	17
250	65	32	33	38	32	114	86	119	40	123	-----	18
2,131,200	501,120	623,360	508,800	903,040	1,659,520	4,622,720	629,120	890,880	12,912,000	2,701,440	26,880	19
1,104,048	293,925	198,441	325,703	233,153	101,653	676,293	555,503	539,378	415,738	925,192	1,205	20
1,147,416	300,580	175,398	371,692	248,080	134,250	520,806	473,044	544,301	208,896	834,426	2,091	21
1,087,032	319,327	120,743	2 509,436	440,371	184,449	427,097	2 668,426	512,719	219,132	809,419	8,219	22
398,320	116,723	26,196	200,945	136,455	34,223	348,538	309,024	122,606	175,272	262,646	840	23
371,509	101,114	24,542	189,463	98,608	54,281	278,161	275,082	186,573	136,025	234,045	1,562	24
373,605	111,906	24,898	236,847	121,063	57,351	216,033	327,159	168,698	90,920	223,791	3,829	25
201,891	40,321	50,369	2,453	48,071	14,864	26,027	63,165	13,577	35,843	60,730	7	26
503,837	136,881	112,876	122,305	48,627	52,566	301,728	93,324	403,195	204,623	602,226	448	27
51.8	58.7	31.8	64.0	25.8	6.1	14.6	88.3	60.5	3.2	34.2	4.8	28
36.1	39.7	13.2	61.7	58.5	33.7	61.5	71.8	22.7	42.2	64.9	64.9	29
644.9	205.8	412.6	77.8	182.2	677.7	171.3	186.7	570.8	103.3	289.1	17.5	30
232.7	81.7	54.5	48.0	106.6	228.2	88.3	134.1	129.7	43.6	82.1	11.4	31
61,809,333	29,478,221	5,125,345	176,663,249	22,718,017	4,317,073	95,456,776	87,983,650	32,852,189	99,728,993	64,081,885	1,619,802	32
36,021,930	18,052,066	3,022,685	61,357,852	10,234,101	3,362,955	46,203,795	36,694,682	14,963,867	68,499,103	31,124,814	2,630,428	33
19,409,742	12,337,046	1,947,540	22,346,595	6,547,761	2,239,876	21,644,031	19,326,626	9,117,058	24,656,402	18,346,677	2,407,893	34
49,108,783	21,435,821	3,338,537	156,960,321	17,817,701	2,641,161	80,337,250	72,412,416	25,249,043	83,064,894	49,995,330	1,427,945	35
27,889,000	13,086,656	1,817,417	55,952,755	7,747,744	2,201,654	39,363,652	30,425,404	11,272,166	60,681,848	23,934,732	2,097,111	36
15,632,700	8,925,780	1,116,960	18,533,640	4,839,730	1,211,530	18,488,110	15,189,870	7,057,190	21,000,370	14,133,990	1,856,030	37
4,022,555	4,747,570	815,258	11,370,220	2,576,337	680,525	7,974,641	7,482,007	3,654,630	10,168,443	6,923,517	128,125	38
2,178,728	3,365,470	604,400	4,660,795	1,390,840	532,156	3,666,689	3,205,416	1,336,855	5,238,858	3,337,852	326,789	39
1,353,700	2,181,590	447,640	2,177,040	998,620	387,010	1,999,850	2,159,630	852,340	2,573,120	2,170,190	228,100	40
2,880,120	1,469,321	226,192	5,288,628	1,044,849	237,985	3,656,194	3,719,948	1,184,012	3,407,629	2,512,000	37,685	41
811,886	500,921	132,857	1,148,222	320,683	123,300	1,112,189	789,383	391,058	1,077,851	851,591	68,270	42
502,400	357,980	102,610	456,500	222,060	97,240	300,289	528,780	272,030	395,850	533,980	71,200	43
5,881,875	1,825,509	745,353	3,014,080	1,279,130	751,402	3,488,601	4,369,279	2,764,504	3,088,027	4,651,038	26,107	44
4,146,316	1,128,059	408,611	2,596,080	769,434	505,945	2,061,265	2,277,479	1,063,798	1,501,046	3,001,109	138,258	45
1,020,942	871,696	280,030	1,170,415	487,351	544,096	756,791	1,448,346	935,498	687,052	1,508,517	263,563	46
36,156	20,646	10,656	42,183	17,748	28,780	24,172	29,574	34,764	24,790	29,026	21,890	47
31,035	18,336	8,636	40,194	15,933	22,185	22,363	26,855	30,586	23,175	17,787	21,028	48
44.48	72.93	16.82	481.91	76.42	25.98	118.79	130.35	46.81	199.80	64.04	1,102.66	49
1,086	1,138	399	3,457	819	109	3,141	1,840	714	3,340	2,419	45	50
1,062	1,166	476	2,531	748	183	2,291	1,011	653	2,532	1,845	82	51
1,199	899	435	1,871	807	220	1,747	880	696	1,867	2,231	161	52
63.4	79.7	83.0	82.5	64.0	72.7	70.5	61.8	75.6	83.0	75.6	60.8	53
687,456	164,492	163,445	153,350	162,321	64,117	346,929	357,084	290,889	280,190	560,475	215	54
203,417	73,410	20,910	105,640	87,844	22,754	210,019	234,884	73,060	127,017	170,140	215	55
25,892,936	17,955,378	3,214,270	123,272,983	11,818,746	2,152,686	55,197,198	30,730,200	17,338,533	60,223,583	38,903,412	553,270	56
839	1,074	319	3,095	688	96	2,653	1,443	635	3,118	1,914	40	57
247	64	80	362	131	13	488	397	79	222	505	5	58
708	676	297	2,748	541	70	2,558	1,191	511	2,670	1,816	10	59
378	460	90	698	211	37	524	573	200	650	499	33	60
-----	2	3	11	37	2	59	76	3	20	104	2	61
47	77	23	235	37	9	214	86	49	379	135	1	62
61	74	13	128	23	10	104	58	35	234	93	6	63
51	112	9	80	23	7	318	46	22	276	157	8	64
189,671	54,037	9,474	88,416	6,537	14,095	152,233	49,957	140,011	70,963	183,232	4	65
61,492	13,756	1,885	20,294	2,813	3,935	43,995	47,138	12,988	26,339	23,435	4	66
8,650,712	4,239,648	504,790	21,285,648	995,100	339,900	17,368,363	12,543,496	5,646,280	15,837,544	7,247,243	3,000	67
579	213	50	496	424	32	594	1,049	182	304	646	28	68
534	297	55	506	291	28	203	532	183	233	360	69	69
600	325	78	437	246	40	275	457	189	207	310	135	70
33.8	14.9	12.3	11.8	33.1	21.3	15.0	35.3	19.3	7.6	20.2	37.8	71
229,921	75,396	25,522	83,428	64,295	23,441	177,131	147,562	102,478	55,585	181,485	1,076	72
133,411	29,557	3,391	45,798	7,534	7,534	94,524	117,002	36,558	21,916	69,071	621	73
18,677,690	3,988,365	434,735	23,771,910	7,580,192	835,100	15,746,330	27,611,727	5,918,890	8,172,210	10,768,192	999,800	74
254	76	6	245	227	4	318	418	84	130	248	1	75
31	5	-----	17	10	-----	17	19	7	7	31	-----	76
294	131	53	192	179	27	212	612	91	162	367	27	77
-----	1	-----	42	8	1	47	-----	-----	5	-----	-----	78
287	146	45	279	150	25	449	325	112	232	391	4	79
205	65	13	61	50	5	110	220	45	60	114	22	80
87	2	1	156	224	2	35	504	12	12	141	2	81

<sup>1</sup> The correction of errors discovered after the 1900 census reports were published would make the acreage for Merced County, 1,666,978; for Orange County, 425,277; and for Sacramento County, 501,888.







WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Siskiyou.	Solano.	Sonoma. <sup>1</sup>	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura. <sup>1</sup>	Yolo.	Yuba.	Indian reservations.
1,052	1,358	5,739	4,566	1,437	1,414	377	6,372	363	1,543	1,613	487	1
1,114	1,143	4,772	2,687	873	1,006	308	4,021	386	1,293	1,255	430	2
931	1,151	3,676	951	728	1,055	272	2,212	457	1,269	1,214	483	3
1,010	1,273	5,343	4,417	1,307	1,356	358	6,148	335	1,480	1,558	466	4
42	85	396	149	70	58	19	224	28	63	55	21	5
848	763	3,326	2,815	1,121	1,151	305	4,799	313	1,223	1,149	382	6
186	462	2,365	1,677	269	243	55	1,369	48	293	314	91	7
18	133	48	74	47	20	17	204	2	27	150	14	8
3	7	113	25	-----	6	3	17	1	9	10	2	9
22	90	1,331	329	58	42	14	255	8	109	61	12	10
22	118	1,163	656	224	180	15	695	13	152	176	35	11
112	268	1,232	2,063	390	328	47	2,541	28	285	411	84	12
114	212	598	674	212	161	43	1,183	36	235	224	64	13
218	199	477	337	204	172	131	724	78	284	257	84	14
79	99	231	98	96	67	27	232	42	151	110	31	15
217	160	293	118	131	149	61	352	74	191	158	67	16
147	99	176	127	69	109	25	182	43	64	126	58	17
118	106	125	139	53	182	11	191	40	63	80	50	18
4,003,840	526,080	1,012,480	928,000	389,120	1,872,000	1,981,440	3,107,840	1,401,600	1,189,120	648,960	404,480	19
537,396	408,288	748,147	748,678	288,940	1,124,502	130,290	1,084,234	220,730	384,865	398,165	228,797	20
455,876	474,866	744,644	649,302	385,402	915,227	91,310	1,045,231	193,072	550,190	463,383	249,108	21
452,859	480,551	785,064	830,692	293,287	950,763	76,038	1,059,727	204,758	552,359	552,065	312,321	22
166,621	299,264	251,730	477,871	232,070	232,722	15,078	544,598	35,380	189,924	300,094	98,997	23
186,147	310,462	248,271	512,189	199,510	186,642	13,300	507,024	36,407	213,668	317,208	94,250	24
181,029	344,058	221,374	622,700	205,877	260,693	14,144	546,289	36,461	174,419	351,213	154,013	25
71,912	17,142	204,763	98,320	9,367	324,240	40,246	180,846	73,117	15,049	29,805	65,881	26
208,863	91,882	291,654	172,487	47,503	567,540	74,066	352,700	112,233	179,892	68,266	69,919	27
13.4	77.6	73.9	80.7	74.3	60.1	6.6	34.9	15.7	32.4	61.4	56.6	28
31.0	73.3	33.6	63.8	80.3	20.7	11.6	50.2	16.0	49.3	75.4	43.3	29
510.8	300.7	130.4	164.0	201.1	795.3	345.6	170.2	608.1	249.4	246.8	469.8	30
158.4	220.4	43.9	104.7	161.5	164.6	40.0	85.5	97.5	123.1	186.0	203.3	31
20,315,072	50,393,638	112,294,373	110,595,497	51,378,460	34,900,408	2,991,851	198,984,821	5,015,180	98,182,900	66,248,770	14,274,307	32
14,270,302	28,727,083	55,351,049	43,787,887	19,115,693	16,821,178	1,591,469	76,539,642	2,942,322	48,262,645	31,798,096	6,606,211	33
7,704,769	20,780,434	33,071,707	17,031,950	9,182,731	16,030,104	1,040,819	20,287,801	2,131,145	21,433,487	19,989,751	4,703,613	34
13,557,450	39,080,249	81,430,294	85,580,234	41,443,246	25,476,897	1,633,087	167,123,963	3,236,750	85,363,272	54,145,140	10,926,093	35
10,352,935	23,025,081	41,512,706	35,324,243	14,869,242	12,932,446	900,855	64,455,554	1,779,470	41,826,120	25,684,710	4,911,611	36
5,084,110	16,903,310	25,286,750	13,674,850	6,076,320	11,720,120	583,450	15,898,600	1,284,260	18,540,290	15,906,280	3,375,150	37
2,057,395	4,351,826	17,240,643	10,065,305	4,023,340	2,000,099	474,275	13,422,065	624,870	5,850,929	5,082,115	1,116,177	38
1,411,810	2,278,540	8,758,787	3,320,475	2,032,535	1,234,375	274,260	4,196,452	451,955	2,365,140	2,799,277	688,565	39
1,056,900	1,905,970	4,646,580	1,237,900	987,700	2,091,860	171,550	1,370,960	397,860	1,491,250	1,935,590	637,130	40
912,515	2,586,638	4,668,489	5,209,161	3,424,801	1,544,013	155,505	8,651,262	192,308	4,473,843	2,712,207	697,089	41
420,745	767,136	1,326,832	820,079	458,269	404,932	69,119	1,805,419	114,830	1,112,812	795,162	171,735	42
294,520	649,320	847,240	537,280	313,780	440,020	31,180	715,450	102,070	482,270	510,430	151,650	43
3,788,312	3,774,925	8,954,947	9,140,797	2,487,073	5,039,399	728,984	9,787,531	961,252	2,494,916	4,309,308	1,534,948	44
2,084,812	2,656,926	3,752,724	4,323,090	1,755,547	2,159,425	347,235	6,083,217	596,067	2,658,573	2,518,947	894,300	45
1,279,749	1,321,834	2,291,137	1,581,920	904,931	1,778,104	254,639	2,296,791	346,965	910,677	1,637,451	539,683	46
19,311	37,109	19,567	24,222	35,754	24,724	7,936	31,228	13,816	63,631	41,072	29,311	47
14,843	32,424	17,193	21,079	31,640	20,069	5,590	28,334	10,638	59,115	30,719	24,727	48
25.23	97.19	108.84	114.31	143.43	22.66	12.53	164.14	14.66	221.80	135.99	47.75	49
870	887	4,659	3,486	1,104	1,186	327	4,949	318	1,078	1,093	363	50
948	773	3,771	2,200	674	810	274	3,307	342	895	887	332	51
816	709	2,629	611	513	803	252	1,620	400	889	850	374	52
82.7	65.3	81.2	76.3	76.8	83.9	86.7	77.7	87.6	69.9	67.8	74.5	53
382,395	255,111	442,804	515,095	195,057	818,218	87,616	801,554	195,473	252,888	229,737	150,394	54
118,151	185,474	160,465	312,021	149,619	156,641	12,729	361,009	32,045	119,025	172,607	61,789	55
11,875,385	20,078,180	69,648,112	65,377,963	30,153,076	19,273,562	1,671,142	124,990,631	3,182,194	61,844,600	35,378,450	7,740,505	56
754	690	4,342	2,880	858	918	299	4,390	267	878	867	307	57
116	188	317	606	246	268	28	559	51	200	226	50	58
697	554	2,670	2,196	896	964	259	3,818	275	856	858	293	59
156	322	1,973	1,278	206	218	52	1,041	41	219	223	67	60
17	11	16	12	2	4	16	90	2	3	12	3	61
40	53	143	72	47	37	18	488	12	106	48	15	62
37	48	113	46	18	32	7	218	10	52	43	8	63
17	71	147	31	4	31	3	74	17	49	55	14	64
76,552	33,076	110,534	32,934	12,100	128,765	36,483	107,560	3,670	44,577	48,141	13,130	65
19,063	19,778	28,835	19,690	11,798	33,905	960	67,601	967	16,217	25,463	10,399	66
1,483,700	3,720,255	9,498,128	4,305,400	2,862,450	3,928,572	269,500	27,271,655	186,780	11,370,341	6,171,260	1,199,025	67
142	418	937	1,008	286	191	32	935	33	359	472	109	68
129	322	888	441	181	164	27	466	34	346	325	96	69
98	371	900	309	211	221	17	518	40	321	309	95	70
13.5	30.8	16.3	22.1	19.9	13.5	8.5	14.7	9.1	23.3	29.3	22.4	71
78,449	120,101	194,809	200,649	81,783	177,518	6,191	175,110	21,587	87,400	123,287	59,267	72
29,407	94,012	62,430	146,160	70,653	42,175	1,389	115,958	2,368	54,682	102,024	26,839	73
2,255,640	14,233,640	19,524,697	26,563,076	12,451,060	5,174,892	166,720	28,283,712	492,640	17,993,260	17,677,545	3,096,680	74
58	169	233	487	167	57	4	537	9	281	210	44	75
1	9	12	26	27	7	-----	25	9	9	20	5	76
69	240	603	495	77	107	24	373	24	59	229	50	77
14	-----	89	-----	15	20	4	-----	-----	10	13	10	78
117	172	548	562	186	155	30	558	28	266	250	74	79
25	127	357	385	57	20	1	277	5	69	87	24	80
-----	119	32	61	43	16	1	100	-----	24	135	11	81

<sup>1</sup> Change of boundary. See explanation on p. 71.



COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.
<b>DOMESTIC ANIMALS: 1920.</b>								
1	Farms reporting domestic animals.....number..	99,661	2,214	20	452	1,786	576	704
2	Value of all domestic animals.....dollars..	294,378,445	3,883,412	95,160	1,248,462	3,145,825	1,560,700	2,218,252
<b>Horses:</b>								
3	Total number.....	402,407	8,841	169	1,856	6,253	2,458	3,812
4	Colts under 1 year of age.....	18,259	385	12	61	236	132	282
5	Colts 1 year old and under 2 years.....	20,342	390	18	75	232	176	160
6	Mares 2 years old and over.....	176,175	4,076	56	875	2,475	1,113	1,916
7	geldings 2 years old and over.....	185,363	3,955	81	834	3,280	1,026	1,435
8	Stallions 2 years old and over.....	2,268	36	2	11	30	11	19
9	Total value.....dollars..	35,416,507	868,301	13,460	123,065	550,792	133,365	293,773
<b>Mules:</b>								
10	Total number.....	63,410	131	3	118	1,220	91	2,378
11	Mule colts under 1 year of age.....	4,808	5	-----	1	79	29	216
12	Mule colts 1 year old and under 2 years.....	6,090	9	2	17	146	24	305
13	Mules 2 years old and over.....	52,461	117	1	100	995	38	1,857
14	Total value.....dollars..	7,221,930	13,205	115	10,236	149,776	4,445	288,413
<b>Asses and burros:</b>								
15	Total number.....	2,265	5	-----	1	49	37	9
16	Total value.....dollars..	171,175	75	-----	250	3,201	510	450
<b>Cattle:</b>								
17	Total number.....	2,008,037	39,781	1,457	19,476	31,409	22,541	15,005
18	Total value.....dollars..	120,681,446	2,548,776	76,990	919,078	1,657,456	1,052,703	770,754
<b>Beef cattle—</b>								
19	Total number.....	1,229,086	19,347	1,147	17,501	21,879	21,214	10,484
20	Calves under 1 year of age.....	242,315	5,247	345	3,318	4,518	4,068	2,921
21	Heifers 1 year old and under 2 years.....	134,220	1,976	170	1,632	2,498	2,594	1,218
22	Cows and heifers 2 years old and over.....	441,059	7,106	396	7,497	9,372	8,885	4,070
23	Steers 1 year old and under 2 years.....	158,310	2,256	120	1,773	2,765	1,987	1,024
24	Steers 2 years old and over.....	232,267	2,406	96	3,009	2,420	2,753	1,099
25	Bulls 1 year old and over.....	20,915	350	20	272	321	327	152
26	Total value.....dollars..	61,280,293	959,582	56,855	759,045	1,021,038	970,874	483,435
<b>Dairy cattle—</b>								
27	Total number.....	778,951	17,434	310	1,975	9,530	1,327	4,521
28	Calves under 1 year of age.....	150,119	3,205	91	437	1,074	314	1,032
29	Heifers 1 year old and under 2 years.....	111,543	2,169	20	223	1,431	125	615
30	Cows and heifers 2 years old and over.....	502,415	11,803	186	1,276	5,951	854	2,794
31	Bulls 1 year old and over.....	14,874	257	4	30	174	34	80
32	Total value.....dollars..	50,401,153	1,589,194	20,135	160,033	636,418	75,829	293,319
<b>Sheep:</b>								
33	Total number.....	2,409,151	25,812	355	9,964	46,686	24,792	51,948
34	Lambs under 1 year of age.....	616,551	5,422	188	1,768	10,193	4,200	9,832
35	Ewes 1 year old and over.....	1,616,709	18,555	141	7,574	34,818	18,811	30,235
36	Rams 1 year old and over.....	62,920	412	12	155	1,139	250	1,052
37	Wethers 1 year old and over.....	103,971	1,423	14	467	1,531	1,531	1,820
38	Total value.....dollars..	25,906,445	291,231	2,899	92,571	464,092	258,309	557,889
<b>Goats:</b>								
39	Total number.....	115,759	467	5	4,518	875	5,788	133
40	Kids under 1 year of age, raised for fleeces.....	20,578	19	-----	928	161	1,386	12
41	Goats 1 year old and over, raised for fleeces.....	58,640	100	-----	2,869	505	3,208	27
42	All other goats.....	36,541	348	5	721	209	1,194	94
43	Total value.....dollars..	1,130,035	6,152	20	23,459	8,629	43,040	4,482
<b>Swine:</b>								
44	Total number.....	909,272	9,171	128	5,648	21,040	4,711	23,511
45	Pigs under 6 months old.....	452,856	4,849	43	2,788	8,772	2,410	10,156
46	Sows and gilts for breeding, 6 months old and over.....	138,868	1,234	13	809	2,933	779	3,902
47	Bears for breeding, 6 months old and over.....	12,581	143	3	90	274	92	310
48	All other hogs, 6 months old and over.....	304,967	2,945	69	1,961	9,061	1,430	9,143
49	Total value.....dollars..	13,850,907	155,672	1,686	79,753	311,879	68,328	296,491
<b>POULTRY AND BEES: 1920.</b>								
50	Chickens.....number..	10,426,648	307,092	767	22,443	109,819	23,061	59,310
51	Other poultry.....number..	384,535	17,811	24	1,386	6,903	2,647	9,180
52	Value of all poultry.....dollars..	15,233,570	450,320	861	26,120	146,886	29,060	93,228
53	Bees.....number of hives..	189,719	586	2	374	2,789	418	1,324
54	Total value.....dollars..	1,460,447	4,179	18	1,294	25,305	1,821	11,713
<b>LIVE-STOCK PRODUCTS: 1919.</b>								
<b>Dairy products:</b>								
55	Milk produced (as reported).....gallons..	231,992,496	5,996,615	108,087	494,795	2,750,464	337,488	1,162,816
56	Milk sold.....gallons..	77,938,332	1,106,844	3,125	51,085	241,698	34,821	80,221
57	Cream sold.....gallons..	3,116,730	106,887	21,535	10,819	49,397	5,600	52,199
58	Butter fat sold.....pounds..	37,618,426	152,978	3,428	68,973	433,519	4,766	145,785
59	Butter made on farms.....pounds..	5,757,759	103,089	140	28,806	87,415	32,235	44,380
60	Butter sold.....pounds..	1,381,986	24,608	-----	9,729	19,894	5,476	11,511
61	Cheese made on farms.....pounds..	2,345,672	5,034	-----	8,551	11,020	12,635	111,379
62	Value of dairy products <sup>1</sup> .....dollars..	55,642,649	1,473,896	29,829	90,939	465,714	48,838	270,002
63	Receipts from sale of dairy products.....dollars..	52,509,964	1,428,316	29,755	78,777	427,677	31,001	212,492
64	Average production of milk per dairy cow.....gallons..	536	517	640	428	525	344	488
<b>Eggs and chickens:</b>								
65	Eggs produced (as reported).....dozens..	57,650,343	2,392,395	6,302	92,148	523,764	77,766	188,591
66	Eggs sold.....dozens..	44,761,823	2,118,852	1,719	47,383	283,267	37,403	85,344
67	Chickens raised (as reported).....number..	9,267,144	284,902	373	17,002	99,088	24,137	46,244
68	Chickens sold.....number..	4,357,376	131,613	62	5,600	35,845	11,360	17,378
69	Value of chickens and eggs produced.....dollars..	34,727,935	1,260,047	3,335	50,814	322,445	49,558	143,957
70	Receipts from sale of chickens and eggs.....dollars..	25,186,906	1,052,930	873	27,141	157,380	23,762	62,301
<b>Honey and wax:</b>								
71	Honey produced.....pounds..	5,501,738	7,269	-----	6,538	146,167	3,630	59,501
72	Wax produced.....pounds..	108,796	90	-----	22	2,214	90	1,401
73	Value of honey and wax.....dollars..	1,141,969	1,489	-----	1,317	30,096	761	12,446
<b>Wool and mohair:</b>								
74	Sheep shorn.....number..	1,956,043	25,117	338	5,376	42,194	17,303	38,602
75	Wool produced (as reported).....pounds..	13,153,030	167,609	2,390	40,093	257,265	83,685	323,332
76	Value.....dollars..	5,762,356	62,119	1,081	18,440	100,772	35,828	158,596
77	Goats shorn.....number..	67,796	80	-----	2,513	552	4,408	46
78	Mohair produced (as reported).....pounds..	220,179	200	-----	7,685	1,426	10,274	187
79	Value.....dollars..	110,160	100	-----	4,258	720	4,510	87

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.



1920; AND LIVE-STOCK PRODUCTS, 1919.

Contra Costa.	Del Norte.	Eldorado.	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.	
1,461	129	676	8,095	1,203	1,703	2,570	481	1,817	2,031	698	570	1
3,181,791	412,540	1,129,426	10,658,535	3,792,519	6,305,820	7,570,711	2,523,140	9,451,397	4,419,773	854,001	4,125,032	2
8,418	435	2,103	24,820	4,776	5,928	11,627	3,682	10,885	8,614	2,138	8,200	3
333	8	67	833	253	116	635	265	780	488	70	967	4
455	16	77	910	310	195	766	272	706	540	98	881	5
3,923	214	951	10,908	2,173	2,677	4,486	1,601	4,612	3,825	1,065	3,676	6
3,649	189	996	12,108	2,010	2,894	5,691	1,516	4,710	3,724	891	2,664	7
53	8	12	70	30	46	49	28	77	37	14	102	8
781,574	41,880	150,290	2,255,144	306,272	614,105	1,100,512	300,277	820,365	730,103	158,847	480,167	9
423	7	106	5,139	2,028	336	3,941	448	2,719	1,628	172	709	10
40	1	7	293	129	46	161	52	294	208	17	140	11
31	-----	8	399	185	19	253	104	309	214	11	119	12
352	6	91	4,447	1,714	271	3,527	292	2,116	1,206	144	450	13
43,948	750	9,265	664,549	213,129	25,289	485,893	35,874	230,184	167,842	15,260	50,316	14
3	5	21	112	16	73	22	41	189	18	11	91	15
910	500	295	10,216	4,155	2,295	2,121	1,425	11,299	1,140	260	8,125	16
28,594	7,087	15,977	81,176	23,412	64,313	66,377	25,453	131,265	41,863	10,566	40,043	17
1,815,094	356,125	770,635	4,382,957	1,451,473	4,774,949	4,785,582	1,579,523	6,355,792	2,542,043	454,183	2,268,947	18
12,772	785	12,097	44,103	14,784	29,818	23,212	21,700	119,505	11,920	7,524	35,919	19
2,710	167	2,973	7,234	2,609	7,294	2,901	3,849	16,054	2,070	2,124	8,474	20
1,537	132	1,601	5,513	1,375	3,524	1,028	2,239	6,745	1,389	955	4,496	21
4,718	186	4,398	18,876	5,484	9,536	6,757	6,524	3,319	2,474	12,950	22	22
1,895	153	1,626	6,061	1,614	3,270	6,217	5,359	10,772	2,287	1,072	5,326	23
1,680	134	1,315	5,426	3,454	5,408	7,191	3,317	40,785	2,745	787	3,981	24
232	13	184	963	248	726	395	239	1,625	110	112	692	25
715,255	33,954	529,426	1,844,269	817,184	1,522,938	1,336,726	1,258,181	5,601,332	591,378	285,543	1,045,872	26
15,792	6,302	3,880	37,073	8,628	34,495	43,165	3,093	11,760	29,943	3,042	4,724	27
3,422	1,330	829	6,771	1,816	5,660	10,903	1,072	2,879	5,783	703	1,280	28
2,161	900	612	6,394	1,139	4,046	7,100	783	1,983	5,457	300	607	29
9,925	3,956	2,368	23,290	5,487	24,162	24,434	1,770	6,074	18,063	1,900	2,743	30
284	116	71	618	186	627	68	224	640	49	49	94	31
1,069,839	332,171	241,110	2,538,688	634,289	3,252,011	3,448,856	321,842	754,460	1,950,665	168,640	323,075	32
27,068	655	10,085	232,612	136,852	56,153	60,176	43,542	147,719	41,605	14,880	92,961	33
5,721	240	2,150	52,503	31,063	15,795	19,799	11,345	34,180	13,201	3,616	29,016	34
20,739	381	8,509	140,851	101,295	32,724	38,320	30,631	105,201	25,075	9,067	61,426	35
433	14	103	26,273	2,348	1,314	1,351	329	1,569	148	148	1,442	36
175	20	223	6,985	2,146	6,320	706	1,237	6,066	1,700	2,049	1,077	37
303,728	4,221	103,553	2,644,262	1,340,020	639,188	487,352	515,521	1,548,995	458,138	125,573	1,225,590	38
210	1	8,139	1,133	2,076	6,479	252	95	1,818	562	2,271	459	39
6	-----	2,675	-----	502	1,813	-----	3	112	-----	494	28	40
204	1	4,995	20	1,459	4,250	-----	11	228	5	1,338	337	41
3,023	5	469	1,113	55	416	252	81	1,478	557	439	94	42
14,415	805	40,050	14,967	26,434	64,630	2,069	1,069	14,503	3,558	14,005	3,441	43
7,405	455	3,163	46,451	22,844	13,524	41,839	4,357	33,805	34,195	8,108	5,910	44
2,258	108	1,610	24,319	10,113	5,196	23,034	2,270	17,724	17,463	4,742	2,801	45
211	22	429	7,101	3,006	1,874	6,227	765	5,018	5,340	1,197	1,499	46
4,541	220	67	558	263	192	499	83	321	430	121	97	47
233,514	9,059	1,057	14,473	9,462	6,202	15,079	1,239	10,742	10,962	2,138	1,513	48
127,436	4,662	55,438	686,440	361,636	185,364	709,282	89,451	470,259	516,940	85,293	82,446	49
7,092	132	26,526	307,727	123,297	69,122	264,123	20,946	125,180	131,184	29,506	25,521	50
178,613	3,788	1,382	11,059	9,692	2,680	13,031	1,398	10,997	6,473	3,744	1,653	51
725	147	33,272	390,780	195,709	84,572	365,927	20,889	185,346	170,677	42,470	29,752	52
5,201	531	841	11,064	1,397	1,688	14,998	4,602	4,563	3,883	424	1,053	53
3,991,606	1,004,318	6,462	77,851	12,749	8,545	157,095	43,950	28,534	28,432	1,849	8,976	54
2,027,372	74,741	075,015	10,693,485	2,247,932	16,051,284	10,479,985	409,073	2,270,513	9,159,048	884,548	1,439,114	55
98,102	5,410	68,981	1,689,418	116,358	2,091,071	2,927,119	48,359	702,689	311,844	49,464	162,631	56
195,598	780,513	35,803	61,660	9,288	34,090	17,426	10,835	30,985	241,427	22,354	36,405	57
73,421	29,091	19,659	2,048,260	736,851	5,388,351	2,259,329	80,048	584,917	2,294,417	141,194	165,047	58
20,217	27,568	66,543	408,395	50,525	173,556	67,290	17,753	89,471	49,324	48,475	62,670	59
2,755	791	32,948	73,432	4,281	110,879	11,952	3,797	5,028	10,465	16,791	10,748	60
908,091	563,399	5,295	6,217	150	1,185	138,800	-----	775	210	620	1,310	61
875,342	562,282	138,529	2,038,498	531,977	4,381,129	2,315,489	95,054	566,627	1,968,883	161,091	250,200	62
464	505	118,325	1,872,313	510,655	4,340,231	2,230,502	87,122	522,337	1,049,762	145,152	223,296	63
808,819	16,050	443	524	522	769	475	404	478	567	479	515	64
638,620	7,821	126,853	1,388,220	450,997	377,844	766,949	95,514	442,244	753,058	100,514	121,565	65
81,287	3,178	64,050	703,692	296,225	182,178	503,924	30,548	242,391	413,137	47,106	34,668	66
32,993	1,324	24,707	273,398	100,141	44,224	154,179	7,250	93,049	124,602	27,711	27,973	67
396,517	8,040	13,074	97,852	39,387	13,329	67,076	6,282	33,849	51,062	9,619	10,266	68
285,683	3,815	74,132	796,516	292,667	227,397	447,043	55,515	273,920	425,968	65,178	83,710	69
13,509	787	38,128	375,126	166,411	102,262	264,683	22,023	137,308	221,091	27,055	26,226	70
229	10	22,673	271,370	39,131	94,930	667,676	197,451	181,676	45,809	6,997	46,398	71
2,791	161	502	4,079	379	13,447	13,447	2,055	3,888	649	72	543	72
27,205	636	4,731	55,865	7,974	10,239	138,779	40,291	37,851	9,415	1,427	9,492	73
160,136	3,924	22,673	271,370	39,131	94,930	667,676	197,451	181,676	45,809	6,997	46,398	74
71,370	1,850	6,005	190,128	106,892	55,881	38,176	24,755	136,902	44,477	8,495	55,221	75
8	-----	43,510	1,044,775	788,751	357,341	219,363	187,389	991,560	247,121	58,310	402,639	76
40	-----	19,064	357,961	307,483	189,843	93,322	78,479	373,236	107,254	28,797	187,467	77
19	-----	5,454	0	1,812	4,634	-----	8	112	3	1,701	175	78
-----	-----	13,678	19	9,419	18,405	-----	23	367	10	3,050	823	79
-----	-----	7,035	9	4,436	10,869	-----	11	157	5	1,579	373	80



COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

		Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.	Mono.
<b>DOMESTIC ANIMALS: 1920.</b>									
1	Farms reporting domestic animals.....number..	8,506	1,265	642	311	1,658	2,703	707	67
2	Value of all domestic animals.....dollars..	8,639,944	2,909,861	3,068,990	859,629	3,182,892	10,966,229	4,244,765	556,032
<b>Horses:</b>									
3	Total number.....	19,731	4,860	2,778	1,561	5,562	15,754	9,889	504
4	Colts under 1 year of age.....	690	150	81	58	176	1,030	995	46
5	Colts 1 year old and under 2 years.....	621	250	126	61	211	631	1,084	29
6	Mares 2 years old and over.....	7,053	2,246	1,030	615	2,608	6,768	4,420	242
7	geldings 2 years old and over.....	11,177	2,140	1,536	787	2,518	7,271	3,287	182
8	Stallions 2 years old and over.....	160	18	5	7	49	48	103	5
9	Total value.....dollars..	2,080,140	382,968	253,459	96,844	421,129	1,343,782	478,411	37,300
<b>Mules:</b>									
10	Total number.....	3,826	1,981	59	323	431	2,471	709	52
11	Mule colts under 1 year of age.....	126	57	.....	40	15	270	181	5
12	Mule colts 1 year old and under 2 years.....	161	174	.....	84	34	408	163	4
13	Mules 2 years old and over.....	3,539	1,750	59	199	382	1,793	365	43
14	Total value.....dollars..	514,117	208,471	7,740	27,585	35,870	261,000	46,267	5,890
<b>Asses and burros:</b>									
15	Total number.....	174	33	.....	84	39	27	107	25
16	Total value.....dollars..	12,395	2,360	.....	2,040	891	3,125	7,667	530
<b>Cattle:</b>									
17	Total number.....	54,443	31,740	30,047	11,651	32,870	129,888	47,828	1,746
18	Total value.....dollars..	4,690,852	1,944,906	2,342,667	561,067	1,534,636	7,860,040	2,320,377	100,941
<b>Beef cattle—</b>									
19	Total number.....	19,205	23,662	860	11,389	22,519	80,427	44,072	1,461
20	Calves under 1 year of age.....	3,191	4,378	133	2,341	5,276	17,230	10,114	304
21	Heifers 1 year old and under 2 years.....	2,393	2,787	63	1,256	2,870	9,192	5,893	190
22	Cows and heifers 2 years old and over.....	7,752	10,295	133	4,660	8,458	31,328	16,879	549
23	Steers 1 year old and under 2 years.....	1,965	2,745	147	1,065	2,441	5,809	3,242	156
24	Steers 2 years old and over.....	3,598	3,038	363	1,859	3,019	15,574	3,775	231
25	Bulls 1 year old and over.....	306	419	21	208	455	1,234	1,160	31
26	Total value.....dollars..	1,059,040	1,243,554	45,510	544,191	973,453	3,972,407	2,077,316	81,218
<b>Dairy cattle—</b>									
27	Total number.....	35,238	8,078	35,187	262	10,351	49,461	3,756	285
28	Calves under 1 year of age.....	5,809	1,744	5,255	45	2,113	8,090	975	83
29	Heifers 1 year old and under 2 years.....	4,540	922	4,421	17	1,200	8,845	487	38
30	Cows and heifers 2 years old and over.....	24,211	5,280	24,797	198	6,806	31,640	2,248	160
31	Bulls 1 year old and over.....	678	128	714	2	232	883	46	4
32	Total value.....dollars..	3,631,812	701,352	2,297,157	16,876	561,183	3,877,543	243,061	16,723
<b>Sheep:</b>									
33	Total number.....	26,200	14,185	10,207	5,464	99,918	85,005	108,062	30,285
34	Lambs under 1 year of age.....	13,657	4,809	2,090	817	25,368	24,114	20,252	9,567
35	Ewes 1 year old and over.....	12,264	8,538	7,989	4,817	56,754	49,905	85,459	20,138
36	Rams 1 year old and over.....	177	258	120	15	1,640	1,727	1,542	359
37	Wethers 1 year old and over.....	102	580	8	15	16,156	9,259	809	221
38	Total value.....dollars..	278,406	120,364	107,289	53,154	875,341	886,150	1,338,935	404,363
<b>Goats:</b>									
39	Total number.....	4,751	1,098	665	3,792	4,703	4,826	448	55
40	Kids under 1 year of age, raised for fleeces.....	33	120	8	510	759	532	127	.....
41	Goats 1 year old and over, raised for fleeces.....	142	298	3	1,122	2,456	3,908	307	3
42	All other goats.....	4,576	680	654	2,160	488	386	14	52
43	Total value.....dollars..	260,107	7,489	6,181	22,201	29,054	37,097	3,214	186
<b>Swine:</b>									
44	Total number.....	38,708	15,132	23,780	8,378	24,061	35,621	4,858	368
45	Pigs under 6 months old.....	21,291	8,093	12,797	3,305	10,581	18,716	2,812	75
46	Sows and gilts for breeding, 6 months old and over.....	7,111	2,634	3,752	1,491	4,518	4,968	640	39
47	Boars for breeding, 6 months old and over.....	663	227	336	86	353	522	66	9
48	All other hogs, 6 months old and over.....	9,703	4,178	6,805	3,436	8,609	11,415	1,370	245
49	Total value.....dollars..	803,918	243,303	351,654	90,729	285,971	585,035	49,894	6,822
<b>POULTRY AND BEES: 1920.</b>									
50	Chickens.....number..	1,307,976	58,463	195,712	10,362	83,144	166,959	22,555	2,282
51	Other poultry.....number..	42,596	3,489	3,425	1,246	5,996	7,014	1,233	445
52	Value of all poultry.....dollars..	2,351,358	81,667	244,587	15,363	117,406	221,515	24,879	3,893
53	Bees.....number of hives..	18,817	919	75	67	1,068	6,568	1,069	100
54	Total value.....dollars..	145,147	7,713	844	524	5,430	46,594	6,114	883
<b>LIVE-STOCK PRODUCTS: 1919.</b>									
<b>Dairy products:</b>									
55	Milk produced (as reported).....gallons..	13,287,769	1,324,067	8,307,363	72,209	2,705,122	17,322,074	1,193,218	54,335
56	Milk sold.....gallons..	9,940,522	247,076	2,831,416	1,363	967,074	5,719,187	29,769	9,005
57	Cream sold.....gallons..	48,321	12,737	353,348	20	40,558	48,395	24,891	1,300
58	Butter fat sold.....pounds..	880,621	615,650	1,451,317	205	316,659	3,816,337	223,414	70
59	Butter made on farms.....pounds..	301,820	75,038	686,653	12,891	192,429	55,182	70,594	6,238
60	Butter sold.....pounds..	70,233	5,941	23,307	1,490	85,276	22,568	19,319	2,736
61	Cheese made on farms.....pounds..	4,513	1,817	31,298	160	8,563	2,165	130	.....
62	Value of dairy products.....dollars..	4,912,896	523,237	2,665,016	7,265	597,713	3,842,243	214,305	10,995
63	Receipts from sale of dairy products.....dollars..	4,786,139	477,847	2,283,193	1,518	533,376	3,822,596	180,032	9,202
64	Average production of milk per dairy cow.....gallons..	634	538	401	250	430	609	465	298
<b>Eggs and chickens:</b>									
65	Eggs produced (as reported).....dozens..	7,793,395	173,330	1,093,172	50,591	421,224	753,476	123,518	9,281
66	Eggs sold.....dozens..	6,832,999	90,880	1,028,358	11,832	241,028	482,790	31,325	4,241
67	Chickens raised (as reported).....number..	1,245,012	44,033	145,089	8,874	76,305	112,965	26,941	2,301
68	Chickens sold.....number..	597,097	26,554	70,820	2,415	35,317	42,723	7,002	499
69	Value of chickens and eggs produced.....dollars..	4,624,780	131,550	604,841	33,576	237,185	450,154	74,778	6,136
70	Receipts from sale of chickens and eggs.....dollars..	3,670,913	72,050	524,776	8,184	132,247	262,826	10,162	2,408
<b>Honey and wax:</b>									
71	Honey produced.....pounds..	519,019	22,668	3,920	2,670	10,055	110,266	30,441	3,712
72	Wax produced.....pounds..	10,954	525	41	40	138	2,358	467	20
73	Value of honey and wax.....dollars..	108,076	4,739	800	550	2,065	22,982	6,270	750
<b>Wool and mohair:</b>									
74	Sheep shorn.....number..	19,998	11,819	6,117	2,056	95,680	64,766	77,031	21,154
75	Wool produced (as reported).....pounds..	162,184	65,510	39,287	10,314	631,645	457,319	572,624	177,894
76	Value.....dollars..	69,391	26,544	16,083	4,384	325,099	161,403	284,181	87,570
77	Goats shorn.....number..	130	207	11	829	8,847	4,014	381	7
78	Mohair produced (as reported).....pounds..	491	413	36	1,570	11,523	13,516	1,519	25
79	Value.....dollars..	268	168	18	637	7,052	6,375	779	12

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.



1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego.	San Francisco.	
1,605	1,276	449	2,858	1,176	148	3,019	2,610	830	2,419	2,683	38	1
5,732,275	1,641,949	712,726	2,703,961	1,162,060	743,316	2,993,040	3,993,355	2,600,376	2,650,721	3,871,407	22,272	2
13,292	3,845	1,523	7,355	3,852	1,285	10,035	11,019	5,219	6,819	9,739	105	3
692	134	44	156	90	96	362	349	218	249	471	1	4
826	115	80	204	115	115	439	370	240	240	578	2	5
5,828	1,737	727	2,788	1,873	526	4,111	5,188	2,558	2,710	4,406	31	6
6,185	1,839	667	4,170	1,759	537	5,063	5,060	2,002	3,560	4,199	68	7
61	20	5	37	15	11	60	52	34	60	85	3	8
1,036,980	333,995	107,888	930,619	366,163	118,522	998,122	1,006,598	418,069	773,120	795,418	8,889	9
1,113	307	24	2,919	320	21	2,913	743	110	1,300	1,206	.....	10
353	12	.....	44	23	2	152	42	9	61	63	.....	11
126	31	2	140	25	5	325	48	88	70	76	.....	12
634	264	2	2,735	272	14	2,436	653	81	1,151	1,067	.....	13
73,804	30,490	2,130	498,935	28,065	1,355	345,302	74,921	10,185	181,626	138,501	.....	14
14	17	23	13	11	.....	118	11	14	59	130	.....	15
2,115	920	335	3,657	377	.....	6,885	345	430	1,720	8,427	.....	16
75,075	16,257	9,747	15,070	7,637	10,167	18,812	32,022	33,097	20,498	46,548	254	17
4,196,353	959,086	421,239	1,130,755	436,812	546,812	1,202,018	2,153,189	1,933,397	1,221,741	2,527,723	11,164	18
52,862	9,116	6,789	9,113	4,367	6,322	10,607	13,327	27,928	12,890	34,644	.....	19
10,549	2,012	1,739	1,188	1,009	1,664	1,609	2,827	6,156	2,351	6,367	.....	20
6,069	872	822	1,306	438	766	1,295	1,765	3,820	1,887	3,940	.....	21
16,844	2,983	2,609	2,612	1,859	2,180	3,416	4,325	9,587	5,960	10,398	.....	22
7,944	1,586	863	2,195	638	720	1,959	1,642	3,178	1,367	5,451	.....	23
10,654	1,540	582	1,548	279	913	2,100	2,622	4,501	1,128	7,948	.....	24
802	123	174	264	84	79	168	146	287	510	.....	.....	25
2,567,122	427,935	267,929	555,304	198,213	320,246	536,193	739,443	1,515,018	550,523	1,601,842	.....	26
22,213	7,141	2,958	5,957	3,330	3,845	8,205	18,695	5,169	7,608	11,904	254	27
4,054	1,316	615	886	814	1,170	1,701	3,484	982	1,377	2,371	26	28
2,753	874	389	962	395	625	1,257	1,372	708	1,078	2,073	15	29
14,977	4,884	1,882	4,014	2,056	1,987	5,108	12,610	3,395	4,714	7,224	200	30
429	117	72	95	65	63	139	356	84	145	231	4	31
1,629,231	531,161	153,310	575,451	238,599	226,566	665,825	1,413,746	418,379	671,218	925,881	11,164	32
10,829	16,500	14,475	178	23,820	4,395	13,964	42,637	14,875	3,919	7,311	4	33
3,304	3,222	2,309	39	4,951	1,057	4,070	8,742	2,853	1,042	2,497	.....	34
7,148	11,725	8,902	132	18,123	3,246	9,071	31,637	9,538	2,763	4,690	.....	35
156	1,249	177	7	443	88	110	611	129	60	85	.....	36
221	304	27	.....	312	6	713	1,647	2,355	54	39	4	37
110,340	171,454	126,050	1,449	238,452	57,366	130,570	476,084	183,981	33,476	60,784	50	38
1,359	1,357	2,332	552	1,534	40	4,493	142	988	1,152	7,360	15	39
397	380	309	.....	144	.....	118	.....	218	.....	432	.....	40
687	682	997	.....	343	.....	532	.....	651	60	4,222	.....	41
275	295	966	552	1,047	40	3,843	142	119	1,092	2,706	15	42
8,780	11,861	11,300	20,381	7,930	382	45,783	3,843	6,819	41,467	62,603	235	43
23,286	8,541	3,096	6,843	5,364	1,027	15,599	16,373	9,003	20,651	15,731	209	44
11,064	3,720	1,778	3,377	2,818	591	8,178	8,611	4,394	12,276	8,687	145	45
3,399	1,213	309	747	684	197	2,766	2,868	1,027	3,535	2,324	60	46
222	133	51	85	100	35	227	300	107	249	236	1	47
8,001	3,475	868	2,634	1,762	204	4,428	4,594	3,475	4,591	4,484	3	48
303,903	134,143	43,115	118,165	84,861	18,879	264,360	278,375	107,495	397,571	277,951	1,934	49
101,514	123,535	24,570	184,401	72,667	6,291	219,791	240,632	64,878	191,949	392,359	3,191	50
4,808	5,679	1,002	4,742	5,516	368	9,321	14,316	5,255	10,310	10,310	112	51
123,512	178,093	30,872	290,975	100,518	7,741	351,672	364,774	101,145	307,147	632,788	3,855	52
3,224	544	109	5,447	896	47	17,014	1,827	539	13,186	19,012	.....	53
26,088	4,867	1,760	49,144	6,952	345	143,979	11,150	2,983	130,159	146,843	.....	54
7,422,457	1,967,623	675,774	1,541,877	846,204	886,415	2,316,246	5,517,577	2,054,727	2,533,029	4,006,583	193,780	55
5,622,956	712,482	148,837	799,762	189,642	30,549	816,947	2,686,040	1,283,102	1,796,430	1,713,702	173,958	56
38,333	44,086	5,420	429	15,312	35,438	13,218	59,835	20,517	5,126	35,638	.....	57
217,213	53,385	113,171	142,211	24,077	154,230	115,770	569,367	77,114	38,742	142,101	.....	58
65,740	89,168	46,084	109,792	62,712	31,352	233,643	107,489	28,146	129,105	164,814	508	59
14,345	27,414	13,835	24,396	12,169	16,662	82,646	21,545	2,320	45,615	40,845	.....	60
538,899	13,403	5,225	25	50	2,280	5,607	53,864	106,550	2,839	24,134	770	61
1,817,210	325,203	165,190	532,726	135,910	166,200	568,790	1,218,237	452,712	717,485	914,958	59,083	62
1,613,125	285,090	146,395	486,638	110,087	157,417	486,931	1,151,456	465,664	670,615	843,636	58,550	63
532	472	392	499	435	434	510	508	530	570	597	959	64
563,257	643,335	144,310	967,747	370,572	27,176	1,120,579	1,218,376	367,415	943,471	2,305,717	19,829	65
381,236	403,080	92,870	660,305	251,826	12,226	817,825	902,668	261,943	688,084	1,773,853	11,658	66
65,618	121,547	26,583	114,890	91,645	5,949	201,133	348,280	28,826	222,549	376,187	8,036	67
25,871	55,763	12,549	46,921	34,811	3,016	88,825	110,633	11,293	97,840	109,889	6,200	68
302,680	404,823	90,535	506,408	232,782	18,450	628,676	805,985	208,210	006,953	1,373,837	16,981	69
191,860	236,190	54,301	319,690	139,310	8,645	418,621	496,470	140,043	400,741	979,495	11,223	70
126,763	9,054	8,835	117,138	22,011	1,683	480,016	31,330	12,916	536,935	480,165	.....	71
1,740	153	91	2,259	377	.....	12,678	402	240	8,838	9,684	.....	72
26,032	1,871	1,802	24,309	4,549	337	100,947	6,423	2,677	110,834	99,771	.....	73
8,856	16,319	9,896	99	23,176	3,557	12,345	37,313	11,289	3,842	5,442	.....	74
66,614	102,824	69,365	780	186,304	27,289	53,125	258,110	71,116	14,043	29,626	.....	75
22,726	47,738	32,206	273	79,374	13,595	20,124	105,455	24,968	4,652	9,173	.....	76
1,338	790	1,261	.....	367	.....	601	.....	1,083	44	1,713	.....	77
2,923	3,251	4,073	.....	1,039	.....	1,004	.....	3,682	137	3,993	.....	78
1,459	1,542	2,097	.....	419	.....	502	.....	1,730	64	2,067	.....	79



COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
<b>DOMESTIC ANIMALS: 1920.</b>								
1 Farms reporting domestic animals.....number..	4,093	1,701	533	1,361	3,797	1,404	912	73
2 Value of all domestic animals.....dollars..	6,923,356	6,264,669	1,135,378	4,422,046	4,508,615	924,900	2,736,264	604,407
<b>Horses:</b>								
3 Total number.....	18,050	11,820	2,469	10,652	10,305	3,445	4,505	822
4 Colts under 1 year of age.....	663	407	65	483	279	42	266	54
5 Colts 1 year old and under 2 years.....	870	760	91	644	270	74	256	67
6 Mares 2 years old and over.....	8,057	5,344	974	4,858	4,292	1,751	2,045	376
7 Geldings 2 years old and over.....	8,361	5,246	1,306	4,626	5,421	1,568	1,890	319
8 Stallions 2 years old and over.....	69	63	33	41	43	10	39	6
9 Total value.....dollars..	1,684,634	1,039,656	217,656	1,151,349	1,044,790	306,164	271,659	82,670
<b>Mules:</b>								
10 Total number.....	1,855	767	46	598	225	77	297	27
11 Mule colts under 1 year of age.....	248	73	14	14	4	30	47	6
12 Mule colts 1 year old and under 2 years.....	277	154	48	48	27	1	220	21
13 Mules 2 years old and over.....	1,350	540	46	536	194	76	21,442	2,475
14 Total value.....dollars..	197,884	68,651	3,945	80,067	25,181	5,850	21,442	2,475
<b>Asses and burros:</b>								
15 Total number.....	50	21	19	16	6	5	52	7
16 Total value.....dollars..	7,495	1,095	475	2,822	550	190	23,340	320
<b>Cattle:</b>								
17 Total number.....	46,256	88,677	12,010	48,094	42,389	8,168	39,142	7,328
18 Total value.....dollars..	3,755,609	4,700,734	761,556	2,643,924	3,223,281	481,876	1,850,878	440,281
<b>Beef cattle—</b>								
19 Total number.....	14,329	62,311	1,051	39,951	25,176	2,991	36,477	4,811
20 Calves under 1 year of age.....	2,041	12,351	243	5,424	3,374	845	9,193	1,414
21 Heifers 1 year old and under 2 years.....	1,599	6,323	101	4,172	2,112	404	4,129	537
22 Cows and heifers 2 years old and over.....	5,713	17,960	359	12,094	8,059	915	13,953	1,032
23 Steers 1 year old and under 2 years.....	1,422	9,670	174	5,701	3,810	455	4,071	806
24 Steers 2 years old and over.....	2,429	15,184	144	11,876	7,408	281	4,515	975
25 Bulls 1 year old and over.....	225	823	30	684	413	91	616	47
26 Total value.....dollars..	812,650	3,105,407	47,372	2,107,362	1,532,229	142,498	1,713,533	273,121
<b>Dairy cattle—</b>								
27 Total number.....	31,927	26,366	10,959	8,143	17,213	5,177	2,665	2,517
28 Calves under 1 year of age.....	5,745	5,178	2,065	1,800	2,840	1,003	676	464
29 Heifers 1 year old and under 2 years.....	4,204	3,331	1,700	1,006	2,000	732	340	416
30 Cows and heifers 2 years old and over.....	21,246	17,350	6,926	5,205	12,070	3,342	1,571	1,605
31 Bulls 1 year old and over.....	732	477	268	132	303	100	78	32
32 Total value.....dollars..	2,942,950	1,685,327	714,184	536,562	1,691,052	339,373	146,345	167,160
<b>Sheep:</b>								
33 Total number.....	68,874	11,609	1,060	31,741	531	2,061	23,258	3,650
34 Lambs under 1 year of age.....	21,844	3,542	177	11,521	84	548	5,347	416
35 Ewes 1 year old and over.....	45,027	6,250	860	14,384	413	1,452	16,765	3,146
36 Rams 1 year old and over.....	670	153	23	1,193	30	49	387	80
37 Wethers 1 year old and over.....	1,333	1,664	4	4,643	4	12	759	14
38 Total value.....dollars..	680,792	99,744	9,707	314,321	7,388	21,567	254,418	70,710
<b>Goats:</b>								
39 Total number.....	2,573	405	100	504	622	1,516	4,802	51
40 Kids under 1 year of age, raised for fleeces.....	70	38	.....	.....	7	36	1,467	20
41 Goats 1 year old and over, raised for fleeces.....	673	103	.....	66	27	306	3,143	31
42 All other goats.....	1,830	264	100	438	588	1,174	192	.....
43 Total value.....dollars..	12,489	4,653	7,331	5,859	15,736	15,254	25,909	605
<b>Swine:</b>								
44 Total number.....	34,284	17,451	8,437	14,355	10,317	6,122	20,270	482
45 Pigs under 6 months old.....	16,531	8,518	4,247	5,810	5,547	3,763	10,481	232
46 Sows and gilts for breeding, 6 months old and over.....	4,764	2,937	1,307	2,589	1,394	745	4,324	115
47 Boars for breeding, 6 months old and over.....	473	300	178	176	172	125	309	18
48 All other hogs, 6 months old and over.....	12,516	5,696	2,705	5,781	3,204	1,489	11,156	117
49 Total value.....dollars..	584,483	260,280	134,699	223,714	191,689	93,999	270,018	7,346
<b>POULTRY AND BEES: 1920.</b>								
50 Chickens.....number..	290,239	85,459	57,258	67,838	219,729	222,366	39,406	2,776
51 Other poultry.....number..	13,226	5,645	1,632	3,005	29,616	2,266	2,970	139
52 Value of all poultry.....dollars..	377,558	104,558	86,282	92,630	358,950	382,569	46,610	3,319
53 Bees.....number of hives..	3,177	1,694	161	1,039	3,275	566	1,182	118
54 Total value.....dollars..	28,218	13,096	1,112	6,198	26,468	4,272	11,563	829
<b>LIVE-STOCK PRODUCTS: 1919.</b>								
<b>Dairy products:</b>								
55 Milk produced (as reported).....gallons..	9,973,217	6,334,820	2,701,603	1,754,567	4,890,050	1,591,994	729,892	705,432
56 Milk sold.....gallons..	4,702,128	375,245	1,840,012	456,226	4,120,379	339,607	110,944	19,336
57 Cream sold.....gallons..	83,808	214,713	75,292	57,747	24,141	29,261	15,441	32,500
58 Butter fat sold.....pounds..	1,305,289	815,145	5,670	119,749	47,524	48,769	19,990	137,795
59 Butter made on farms.....pounds..	145,621	68,851	14,907	84,367	171,062	111,722	62,464	30,939
60 Butter sold.....pounds..	34,652	21,411	6,015	20,821	43,833	40,379	11,780	22,174
61 Cheese made on farms.....pounds..	63,171	31,265	268,880	1,874	312,394	185,603	10,250	10,944
62 Value of dairy products <sup>1</sup> .....dollars..	2,340,938	1,084,282	816,538	414,410	1,536,935	304,714	108,554	160,604
63 Receipts from sale of dairy products.....dollars..	2,261,168	1,049,240	722,756	375,663	1,367,723	199,269	78,354	152,052
64 Average production of milk per dairy cow.....gallons..	568	418	443	466	549	516	401	453
<b>Eggs and chickens:</b>								
65 Eggs produced (as reported).....dozens..	1,183,000	390,871	263,097	299,619	1,109,532	1,523,711	205,340	15,603
66 Eggs sold.....dozens..	761,075	211,900	185,646	160,178	757,261	1,313,625	114,516	3,008
67 Chickens raised (as reported).....number..	342,860	62,794	40,949	50,012	314,123	218,606	33,375	2,476
68 Chickens sold.....number..	107,979	27,567	21,324	18,739	66,384	114,703	16,427	865
69 Value of chickens and eggs produced.....dollars..	758,638	212,171	149,380	181,292	790,156	827,764	116,331	10,188
70 Receipts from sale of chickens and eggs.....dollars..	416,694	111,592	97,029	86,529	420,243	666,778	62,815	2,394
<b>Honey and wax:</b>								
71 Honey produced.....pounds..	137,477	73,068	6,570	15,565	75,679	2,646	67,048	3,418
72 Wax produced.....pounds..	2,618	1,873	40	463	1,195	32	1,073	10
73 Value of honey and wax.....dollars..	28,516	15,350	1,330	3,294	15,602	541	13,948	688
<b>Wool and mohair:</b>								
74 Sheep shorn.....number..	49,984	5,858	307	16,065	196	1,403	17,251	1,172
75 Wool produced (as reported).....pounds..	304,016	26,740	2,450	102,984	1,286	10,971	124,489	4,939
76 Value.....dollars..	105,593	8,606	1,102	34,708	506	5,220	61,182	2,819
77 Goats shorn.....number..	675	128	.....	42	26	711	3,820	45
78 Mohair produced (as reported).....pounds..	1,469	486	.....	100	75	2,260	12,119	170
79 Value.....dollars..	689	219	.....	47	37	1,125	5,708	85

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.



1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

Siskiyou.	Solano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.	
986	1,242	5,053	4,282	1,193	1,306	348	5,592	343	1,378	1,434	444	1
3,734,102	3,657,870	4,724,186	8,645,423	2,364,498	4,908,676	717,802	9,267,730	936,722	2,346,487	4,156,774	1,496,614	2
7,676	5,891	12,011	14,364	5,081	5,098	1,196	20,177	1,409	8,357	6,368	2,254	3
552	174	243	539	234	206	69	979	53	295	290	174	4
654	278	349	522	220	342	52	1,155	87	387	409	125	5
3,493	2,839	5,138	6,632	2,478	2,665	574	8,318	648	3,629	3,278	965	6
2,921	2,575	6,214	6,616	2,128	2,361	489	9,652	610	3,984	2,369	978	7
56	25	67	55	21	34	12	73	11	62	33	12	8
485,299	563,656	1,013,705	1,341,445	439,311	350,366	86,305	1,691,440	98,852	996,584	579,550	164,850	9
399	1,161	382	2,413	1,814	1,529	157	4,456	43	2,632	1,758	328	10
66	86	7	161	148	112	8	418	5	105	153	57	11
44	91	22	179	147	118	12	509	2	125	143	69	12
289	984	353	2,073	1,519	1,290	137	3,529	36	2,402	1,462	202	13
28,293	138,522	40,876	268,312	129,251	137,908	12,505	525,130	3,340	407,163	195,578	22,784	14
49	7	16	39	38	50	17	108	25	37	27	74	15
3,490	525	357	4,440	2,470	2,785	910	9,623	1,170	3,610	3,087	976	16
53,640	23,439	46,107	78,855	13,679	37,830	11,454	92,545	15,522	12,276	22,890	12,974	17
2,838,586	1,548,265	2,757,203	6,176,164	841,533	1,895,751	514,466	5,678,487	752,485	653,815	1,883,470	529,347	18
42,204	10,542	9,865	23,563	5,548	32,726	10,731	45,144	14,185	8,783	11,461	9,966	19
9,946	2,288	2,249	3,631	1,484	6,738	2,911	7,990	2,554	2,131	2,206	2,388	20
5,814	1,337	1,380	1,579	579	3,796	1,253	5,393	1,739	1,281	1,299	1,152	21
15,626	4,161	3,524	7,918	2,246	12,470	3,945	16,499	5,704	2,752	4,330	3,944	22
5,386	1,511	1,009	2,958	672	3,923	1,151	6,288	2,182	878	1,347	1,276	23
4,760	1,035	1,520	7,205	470	5,166	1,291	8,215	1,792	1,444	2,080	1,049	24
672	210	183	272	97	633	180	759	214	297	199	157	25
2,098,835	602,597	487,596	1,366,232	288,985	1,585,203	474,690	2,321,476	674,199	408,738	840,313	378,815	26
11,436	12,897	36,242	55,292	8,131	5,104	723	47,401	1,337	3,493	11,429	3,008	27
2,302	2,398	5,907	10,352	1,544	1,150	220	9,857	278	655	2,407	807	28
1,579	1,854	4,626	7,390	1,087	623	74	7,673	168	535	1,554	350	29
7,359	8,421	24,978	36,297	5,362	3,231	408	28,951	852	2,226	7,187	1,797	30
196	224	731	1,253	138	100	21	920	39	77	221	54	31
739,751	945,668	2,269,607	4,809,932	552,548	310,548	39,776	3,357,011	78,286	245,077	1,043,157	150,632	32
19,093	98,669	62,846	38,627	68,775	192,634	2,344	45,191	2,051	9,920	96,598	66,606	33
1,992	22,364	15,057	11,767	15,872	58,340	553	13,142	613	2,812	28,256	17,387	34
16,305	73,064	41,430	23,470	50,056	120,385	1,285	25,767	1,280	6,967	63,235	46,076	35
538	2,256	1,346	392	1,296	2,006	52	411	106	97	2,753	405	36
258	985	5,013	2,998	1,551	5,903	454	5,871	52	44	2,354	1,838	37
239,788	1,175,410	523,427	427,715	757,009	2,202,779	24,075	438,941	20,500	91,217	1,118,881	710,251	38
243	67	3,409	1,923	80	15,015	371	1,686	2,292	2,522	208	427	39
9	429	429	318	7	4,337	84	296	695	338	9	78	40
102	1,851	1,102	50	1,572	274	432	1,459	1,286	103	289	41	41
132	67	1,129	503	23	106	13	958	138	898	96	60	42
1,778	896	32,347	14,524	843	62,064	2,620	16,042	13,141	28,973	4,865	2,097	43
11,787	14,529	22,040	26,849	11,759	20,561	6,392	60,828	3,690	8,453	26,196	5,065	44
5,659	7,327	11,451	15,360	5,840	8,992	2,408	30,208	2,017	4,159	11,808	2,289	45
1,612	2,066	3,026	3,690	1,567	3,389	992	8,982	643	1,810	3,331	721	46
172	183	435	361	190	199	81	852	51	138	298	86	47
4,344	4,953	7,128	7,438	4,102	7,981	2,911	20,690	979	2,346	10,759	1,969	48
136,868	230,506	356,271	412,823	194,081	257,023	76,921	908,067	47,228	105,125	371,343	66,309	49
37,423	94,273	2,986,883	330,488	82,672	82,001	9,048	373,999	18,020	60,770	88,446	26,635	50
2,513	5,327	25,115	10,855	5,627	7,679	544	16,897	1,418	3,079	7,198	2,953	51
39,856	110,710	4,221,336	469,077	112,988	121,529	10,264	473,057	22,456	84,015	127,031	37,528	52
2,353	787	964	3,485	1,397	1,655	103	6,342	280	7,272	3,168	140	53
14,354	6,345	9,425	26,297	9,587	9,194	918	46,744	2,074	64,414	25,503	806	54
2,655,355	3,533,148	9,419,733	20,341,792	2,461,475	1,352,018	223,419	12,467,791	281,744	680,033	3,592,094	652,278	55
198,702	1,881,930	1,470,186	9,702,037	332,264	65,929	3,557	641,152	56,339	169,755	909,340	22,797	56
86,123	55,156	325,584	101,231	136,579	31,660	271	46,792	8,251	502	118,871	16,219	57
563,461	239,776	1,913,348	3,207,070	275,436	265,980	46,341	3,440,647	19,900	13,871	614,094	97,028	58
58,494	47,753	309,551	100,423	71,827	75,683	251,996	18,836	96,566	55,424	35,481	59	59
9,701	4,574	89,112	20,978	8,663	9,711	22,746	41,654	4,972	16,054	5,616	7,655	60
46,871	200	48,750	113,177	49,584	294	739	13,132	575	8,347	69,543	61	61
585,132	764,691	2,145,704	4,773,562	599,478	260,692	24,783	2,564,735	56,875	125,732	737,017	124,459	62
543,287	742,472	2,014,591	4,087,736	520,876	221,685	12,049	2,461,683	49,347	84,277	710,606	88,105	63
431	450	498	669	534	450	437	525	343	420	576	351	64
182,899	368,548	19,684,744	1,388,135	362,042	382,580	43,514	1,442,416	72,209	275,230	520,829	106,030	65
65,603	308,858	17,335,882	1,013,216	210,651	218,732	10,848	942,773	41,623	83,416	245,386	57,304	66
33,232	70,066	2,612,179	246,442	67,293	97,430	7,662	305,267	14,788	40,477	67,076	15,949	67
10,101	34,576	1,548,974	127,530	25,674	46,782	1,936	110,728	6,155	13,144	24,041	5,808	68
109,885	196,667	12,380,034	753,062	212,877	254,145	24,017	850,029	46,480	172,587	277,587	58,943	69
37,678	149,822	10,564,232	515,933	112,591	136,628	6,221	484,219	24,739	52,921	125,393	29,066	70
84,143	13,762	10,990	117,659	42,573	83,263	3,843	172,215	12,150	105,233	129,313	3,344	71
1,380	875	132	1,836	508	2,298	35	5,416	365	3,520	2,198	101	72
17,871	2,898	2,249	24,248	8,748	17,549	783	36,555	2,572	22,420	26,720	708	73
10,089	101,318	55,919	23,900	95,982	150,154	2,058	14,674	1,474	2,899	78,019	72,653	74
73,608	572,227	459,375	171,422	469,391	1,150,165	12,397	104,469	9,150	17,119	624,280	436,588	75
34,446	285,253	293,257	66,483	200,875	620,290	6,273	36,789	3,679	8,437	265,713	193,664	76
96	1,396	1,072	1,072	62	17,799	317	455	1,381	1,336	69	199	77
373	4,159	2,180	185	70,968	70,968	1,373	1,428	3,008	4,418	239	468	78
173	2,099	872	95	34,296	34,296	600	718	1,584	2,207	118	221	79



COUNTY TABLE III.—DOMESTIC ANIMALS NOT ON FARMS OR RANGES: 1920.

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Del Norte.	
1	Inclosures reporting domestic animals.	34,158	2,576	7	234	633	202	194	704	130	
2	Horses, total number.	45,608	2,802	3	174	1,008	198	338	705	108	
3	Mules, total number.	7,718	113	-----	10	71	3	60	63	19	
4	Asses and burros, total number.	708	6	-----	8	17	4	5	1	3	
5	Cattle, total number.	46,547	3,137	7	340	712	423	340	1,279	306	
6	Dairy cows.	19,440	1,458	4	238	410	134	157	527	134	
7	Sheep, total number.	38,480	3,288	2	27	61	68	38	1,298	2	
8	Goats, total number.	18,393	1,616	-----	15	71	53	8	534	32	
9	Swine, total number.	33,381	1,024	4	215	329	228	174	539	108	
		Eldorado.	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.
1	Inclosures reporting domestic animals.	74	1,017	155	965	352	110	410	212	137	153
2	Horses, total number.	74	1,671	349	824	918	407	642	268	169	618
3	Mules, total number.	3	490	73	21	1,552	218	481	25	5	19
4	Asses and burros, total number.	2	26	8	7	7	2	11	1	-----	-----
5	Cattle, total number.	110	1,453	293	1,339	355	1,002	443	125	191	184
6	Dairy cows.	30	849	168	804	115	162	237	102	72	71
7	Sheep, total number.	-----	7,144	30	172	224	31	81	5	21	10
8	Goats, total number.	29	242	17	112	56	-----	97	32	11	10
9	Swine, total number.	41	1,236	238	519	1,244	201	994	113	206	515
		Los Angeles.	Madera.	Marin.	Mariposa.	Monterey.	Merced.	Modoc.	Mono.	Monterey.	Napa.
1	Inclosures reporting domestic animals.	9,021	165	394	16	555	226	130	17	371	209
2	Horses, total number.	8,077	129	487	24	590	316	348	38	879	204
3	Mules, total number.	1,472	13	6	5	92	115	-----	2	142	5
4	Asses and burros, total number.	102	3	1	8	10	1	1	-----	9	-----
5	Cattle, total number.	11,826	171	455	24	760	522	164	17	471	240
6	Dairy cows.	3,627	97	311	13	468	272	103	8	202	141
7	Sheep, total number.	11,569	80	3	1	49	152	222	20	7	170
8	Goats, total number.	7,742	54	187	154	77	15	-----	1	158	40
9	Swine, total number.	8,853	82	186	69	466	514	111	5	703	227
		Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego.	San Francisco.
1	Inclosures reporting domestic animals.	178	790	346	101	942	727	77	1,077	1,169	1,080
2	Horses, total number.	245	848	458	250	1,053	1,175	79	1,051	1,336	5,491
3	Mules, total number.	2	158	109	33	230	159	2	159	227	234
4	Asses and burros, total number.	12	1	20	12	43	7	-----	51	72	160
5	Cattle, total number.	190	643	607	218	793	803	80	803	867	714
6	Dairy cows.	103	477	224	68	440	515	44	519	506	227
7	Sheep, total number.	2	5	19	10	4	37	-----	12	4	3,127
8	Goats, total number.	38	419	133	1	404	732	-----	556	1,189	320
9	Swine, total number.	92	488	291	110	543	865	93	654	421	330
		San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
1	Inclosures reporting domestic animals.	637	247	682	636	1,280	615	270	41	267	379
2	Horses, total number.	802	362	674	1,287	1,401	542	581	62	548	538
3	Mules, total number.	347	19	2	110	7	90	146	4	72	21
4	Asses and burros, total number.	4	4	2	2	3	3	4	10	22	2
5	Cattle, total number.	831	418	2,372	3,197	911	676	841	50	440	415
6	Dairy cows.	402	193	577	352	580	447	149	35	164	283
7	Sheep, total number.	933	216	4,526	3,356	20	53	57	3	10	54
8	Goats, total number.	171	29	318	292	584	159	146	11	17	58
9	Swine, total number.	764	848	3,372	351	426	652	904	31	300	389
		Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
1	Inclosures reporting domestic animals.	768	403	135	206	66	526	183	484	341	136
2	Horses, total number.	973	440	288	254	65	595	289	660	529	364
3	Mules, total number.	24	55	39	17	11	169	19	52	104	19
4	Asses and burros, total number.	8	7	-----	1	3	5	4	57	5	2
5	Cattle, total number.	370	434	216	362	152	662	356	325	293	301
6	Dairy cows.	538	326	99	140	53	423	149	195	198	100
7	Sheep, total number.	260	25	8	3	-----	856	40	20	15	30
8	Goats, total number.	315	137	13	34	-----	83	292	109	46	14
9	Swine, total number.	619	193	106	70	25	338	358	192	243	169



COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919.

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.
<b>VALUE OF ALL CROPS.</b>									
1	Total.....dollars..	589,757,377	8,632,929	83,742	682,186	11,582,730	593,610	13,240,785	10,044,871
2	Cereals.....dollars..	108,570,469	1,482,574	12,016	145,706	6,872,198	73,543	11,024,649	2,345,537
3	Other grains and seeds.....dollars..	38,349,277	19,379		218	154,380	2,195	84,989	2,439,702
4	Hay and forage.....dollars..	90,121,840	2,351,161	60,804	253,223	1,325,494	282,121	742,304	2,356,785
5	Vegetables.....dollars..	47,377,921	1,081,082	3,506	36,417	96,221	83,917	43,919	3,811,935
6	Fruits and nuts.....dollars..	273,007,484	2,765,805	7,350	240,022	2,832,671	151,668	1,811,903	1,587,962
7	All other crops.....dollars..	26,270,380	331,828			301,706	166	33,021	2,900
<b>SELECTED CROPS (acres harvested and production).</b>									
8	<b>Cereals:</b>								
9	Total.....acres..	2,656,462	34,088	215	5,174	91,487	2,914	152,486	49,495
10	Corn.....bushels..	56,416,858	877,430	5,850	92,780	2,809,311	45,912	4,750,512	1,349,182
11	Oats.....bushels..	118,740	1,322		1,443	655	152	2,245	8,513
12	Wheat.....bushels..	3,448,459	3,832		17,880	18,138	2,902	57,463	287,222
13	Barley.....bushels..	146,889	2,719	21	1,350	3,987	773	229	3,100
14	Wheat.....bushels..	2,066,776	72,524	460	23,743	36,970	14,403	5,146	84,730
15	Barley.....bushels..	1,086,428	11,825	184	1,291	44,177	1,257	29,787	17,257
16	Wheat.....bushels..	16,896,882	201,153	4,970	15,059	750,479	14,108	586,347	351,723
17	Barley.....bushels..	987,068	19,045	10	1,916	17,546	700	74,490	20,181
18	Kafir, milo, etc.....bushels..	21,897,283	569,352	420	32,216	405,219	13,884	1,803,879	611,139
19	Kafir, milo, etc.....bushels..	167,814			173	1,093	27	883	425
20	Rough rice.....bushels..	4,051,080			2,977	19,209	513	35,160	13,974
21	Rough rice.....bushels..	130,367				24,007		44,842	
22	Other grains and seeds:	6,926,313				1,468,785		2,268,267	
23	Dry edible beans.....bushels..	471,674	145		7	2,177	33	529	5,426
24	Hay and forage:	6,552,951	2,797		174	31,928	464	8,975	82,907
25	Total.....acres..	2,202,853	60,061	1,810	11,082	34,204	12,266	17,051	60,904
26	All tame or cultivated grasses.....acres..	4,494,940	103,680	3,374	12,710	60,184	14,020	32,960	105,970
27	Timothy alone.....acres..	848,816	9,151	1,144	2,175	10,917	1,923	9,516	11,095
28	Timothy and clover mixed.....acres..	2,599,232	30,549	2,178	4,026	32,820	4,338	23,082	28,156
29	Clover alone.....acres..	12,962	120	146		52		43	203
30	Timothy and clover mixed.....acres..	19,389	202	240		45		72	305
31	Clover alone.....acres..	52,276	205	400	7	87	101	369	50
32	Alfalfa.....acres..	75,328	434	739	7	42	191	375	100
33	Alfalfa.....acres..	15,227	3,083	184	16	274	91	79	330
34	Alfalfa.....acres..	24,594	4,848	288	28	505	163	88	478
35	Other tame or cultivated grasses.....acres..	718,515	5,227	414	1,243	9,904	1,159	8,024	6,040
36	Other tame or cultivated grasses.....acres..	2,412,554	24,337	911	3,094	31,449	2,917	22,360	20,711
37	Other tame or cultivated grasses.....acres..	49,836	515		909	550	672	101	4,472
38	Wild, salt, or prairie grasses.....acres..	67,367	728		897	739	1,067	167	6,562
39	Small grains cut for hay.....acres..	178,353	454	665	3,085	1,468	4,614	83	5,226
40	Annual legumes cut for hay.....acres..	185,592	476	1,194	2,392	1,411	3,700	70	6,362
41	Silage crops.....acres..	1,085,380	48,268		5,428	20,880	5,544	7,065	44,347
42	Corn cut for forage.....acres..	1,290,807	68,826		5,144	22,840	5,723	9,198	70,693
43	Kafir, sorghum, etc., for forage.....acres..	25,863	1,799		207	492	163	271	50
44	Root crops for forage.....acres..	30,057	2,451		135	425	222	264	90
45	Silage crops.....acres..	29,521	170		90	281		67	78
46	Corn cut for forage.....acres..	207,913	862		905	2,185		202	490
47	Kafir, sorghum, etc., for forage.....acres..	13,661	127		89	68	9	17	69
48	Root crops for forage.....acres..	24,967	188		73	93	21	10	116
49	Root crops for forage.....acres..	14,519	22	1	5	179	13	18	9
50	Root crops for forage.....acres..	24,545	30	2	5	384	16	24	6
51	Root crops for forage.....acres..	6,740	70		3	9		14	27
52	Vegetables:	125,827	298		30	26		40	57
53	Potatoes (Irish or white).....acres..	63,305	899	9	54	81	170	51	6,671
54	Other vegetables.....bushels..	8,217,937	109,752	733	6,418	4,294	14,146	4,017	1,144,914
55	Other vegetables.....acres..	146,242	9,628	1	26	533	87	82	4,336
56	<b>Miscellaneous crops:</b>								
57	Sugar beets grown for sugar.....acres..	88,257	2,604					2	
58	Cotton.....acres..	608,800	25,524					16	
59	Cotton.....bales..	87,308						60	
60	Cotton.....bales..	46,418						6	
<b>FRUITS AND NUTS.</b>									
61	<b>Small fruits:</b>								
62	Total.....acres..	7,936	493	2	6	46	23	11	5
63	Orchard fruits:	15,458,726	1,120,312	535	6,950	66,933	17,018	13,805	7,854
64	Apples.....trees not of bearing age..	11,520,930	218,508	18	7,807	251,369	6,661	140,954	221,536
65	Apples.....trees of bearing age..	27,631,757	599,231	1,056	70,770	548,762	33,521	117,977	255,396
66	Peaches.....bushels harvested..	47,557,570	937,955	4,473	86,922	785,900	47,679	391,801	412,850
67	Peaches.....trees not of bearing age..	1,143,947	18,907	10	1,546	15,973	3,443	662	18,690
68	Peaches.....trees of bearing age..	3,128,386	27,061	793	7,650	44,451	12,596	1,175	21,489
69	Peaches.....bushels harvested..	7,842,017	42,435	3,854	11,896	57,425	22,897	2,420	27,782
70	Pears.....trees not of bearing age..	1,366,941	3,406	2	1,424	22,731	1,204	2,655	11,873
71	Pears.....trees of bearing age..	9,057,760	11,257	5	17,408	196,716	8,286	7,401	43,364
72	Pears.....bushels harvested..	15,969,073	10,765	10	29,386	301,993	8,159	8,447	70,149
73	Plums and prunes.....trees not of bearing age..	2,178,526	20,289		596	14,347	428	908	134,791
74	Plums and prunes.....trees of bearing age..	2,305,646	60,949	75	3,569	31,562	2,065	4,386	87,138
75	Plums and prunes.....bushels harvested..	3,952,923	115,981	232	3,004	28,131	3,806	5,307	199,639
76	Apricots.....trees not of bearing age..	5,237,145	50,182	4	3,864	196,164	356	134,670	42,808
77	Apricots.....trees of bearing age..	8,768,436	145,114	140	40,541	268,270	7,785	101,709	61,497
78	Apricots.....bushels harvested..	13,200,805	123,652	365	40,802	391,735	9,152	372,314	66,322
79	Walnuts (Persian or English).....trees not of bearing age..	1,243,706	101,963		4	1,247	76	1,934	6,332
80	Walnuts (Persian or English).....trees of bearing age..	3,688,217	292,345		715	3,108	655	3,210	21,814
81	Walnuts (Persian or English).....bushels harvested..	5,907,645	556,260		978	4,340	688	3,189	31,517
82	Grapes.....vines not of bearing age..	21,388,646	22,960		21,016	18,376	1,254	29,049	33,507
83	Grapes.....vines of bearing age..	153,195,213	2,214,595		399,223	74,081	153,997	752,779	1,710,451
84	Grapes.....pounds harvested..	2,055,644,612	13,916,008		1,647,085	534,843	785,151	7,034,915	13,623,580
85	<b>Subtropical fruits:</b>								
86	Oranges.....trees not of bearing age..	2,598,750	260		14	12,852	98	778	885
87	Oranges.....trees of bearing age..	10,297,593	1,100		144	77,729	274	4,982	453
88	Lemons.....boxes harvested..	21,028,444	1,025		218	103,444	368	7,138	270
89	Lemons.....trees not of bearing age..	781,535	144		3	87	13	161	142
90	Lemons.....trees of bearing age..	2,834,770	678		2	2,157	32	44,233	110
91	Nuts:	6,551,657	581			3,523	25	3,800	99
92	Total.....trees not of bearing age..	1,868,422	7,651		1,500	83,288	2,556	117,578	89,553
93	Walnuts (Persian or English).....trees of bearing age..	3,684,481	28,140		1,798	239,372	8,900	88,215	271,906
94	Walnuts (Persian or English).....pounds harvested..	74,805,263	231,970		46,765	2,632,417	62,384	827,719	1,250,893
95	Walnuts (Persian or English).....trees not of bearing age..	435,814	1,709		963	5,071	1,653	2,262	27,186
96	Walnuts (Persian or English).....trees of bearing age..	1,274,434	7,635		701	4,114	1,320	4,117	39,493
97	Walnuts (Persian or English).....pounds harvested..	59,091,390	135,814		40,821	108,067	28,850	38,670	408,026



COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		Del Norte.	Eldorado.	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.
<b>VALUE OF ALL CROPS.</b>									
1	Total.....dollars.	358,355	887,083	51,861,252	11,571,013	4,082,555	17,200,734	1,503,105	6,085,421
2	Cereals.....dollars.	14,207	46,263	2,207,323	9,653,717	158,781	4,903,233	300,001	2,542,033
3	Other grains and seeds.....dollars.	210	94	41,253	3,020	31,742	65,017	6,893	16,558
4	Hay and forage.....dollars.	293,423	228,025	6,702,870	1,410,089	2,982,508	2,562,696	1,071,284	2,610,781
5	Vegetables.....dollars.	39,575	83,012	166,100	24,143	517,608	3,541,078	67,682	207,377
6	Fruits and nuts.....dollars.	10,910	503,689	42,287,283	479,583	306,028	123,078	55,808	424,745
7	All other crops.....dollars.			393,423	461	85,262	6,005,632	527	193,927
<b>SELECTED CROPS (acres harvested and production).</b>									
8	<b>Cereals:</b>								
9	Total.....acres.	320	1,881	75,007	128,912	3,779	112,618	5,997	76,753
10	Corn.....bushels.	11,925	31,071	1,262,028	4,014,357	110,674	2,762,503	164,034	1,359,527
11	Oats.....bushels.	110	1,575	76,279	8,608	413	2,082	3,252	2,953
12	Wheat.....bushels.	222	732	1,282	528	8,650	51,111	82,694	73,708
13	Barley.....bushels.	8,253	15,051	26,028	9,150	50,301	16,805	814	637
14	Kafir, milo, etc.....bushels.	112	8,382	406,619	520,751	18,343	543,756	57,687	12,003
15	Rough rice.....bushels.	89	275	38,252	54,631	812	18,225	270	496,521
16	Kafir, milo, etc.....bushels.	3,451	3,687	592,486	1,191,313	31,708	478,051	5,595	17,481
17	Other grains and seeds.....bushels.			1,050	2,156,230				348,503
18	Dry edible beans.....bushels.	3	2	161	50	303	2	20	102
19	Hay and forage.....bushels.	33	20	2,356	504	4,266	32	183	1,023
20	<b>Hay and forage:</b>								
21	Total.....acres.	4,030	9,717	94,921	20,875	36,059	61,452	17,885	50,124
22	All tame or cultivated grasses.....acres.	17,807	11,025	303,790	64,201	164,030	123,430	52,579	118,711
23	Timothy alone.....acres.	1,247	1,714	67,050	16,134	12,516	49,130	14,934	31,107
24	Timothy and clover mixed.....acres.	2,529	2,204	259,225	45,908	31,710	97,175	43,741	94,648
25	Clover alone.....acres.			320	208	252	45	168	225
26	Alfalfa.....acres.			490	268	323	46	311	313
27	Other tame or cultivated grasses.....acres.			2,019	59	2,312		1,071	
28	Wild, salt, or prairie grasses.....acres.			2,738	73	4,302		2,075	
29	Small grains cut for hay.....acres.								
30	Annual legumes cut for hay.....acres.								
31	Silage crops.....acres.								
32	Corn cut for forage.....acres.								
33	Kafir, sorghum, etc., for forage.....acres.								
34	Root crops for forage.....acres.								
35	Other tame or cultivated grasses.....acres.								
36	Wild, salt, or prairie grasses.....acres.								
37	Small grains cut for hay.....acres.								
38	Annual legumes cut for hay.....acres.								
39	Silage crops.....acres.								
40	Corn cut for forage.....acres.								
41	Kafir, sorghum, etc., for forage.....acres.								
42	Root crops for forage.....acres.								
43	Other tame or cultivated grasses.....acres.								
44	Wild, salt, or prairie grasses.....acres.								
45	Small grains cut for hay.....acres.								
46	Annual legumes cut for hay.....acres.								
47	Silage crops.....acres.								
48	Corn cut for forage.....acres.								
49	Kafir, sorghum, etc., for forage.....acres.								
50	Root crops for forage.....acres.								
51	Other tame or cultivated grasses.....acres.								
52	Wild, salt, or prairie grasses.....acres.								
53	Small grains cut for hay.....acres.								
54	Annual legumes cut for hay.....acres.								
55	Silage crops.....acres.								
56	Corn cut for forage.....acres.								
57	Kafir, sorghum, etc., for forage.....acres.								
58	Root crops for forage.....acres.								
59	Other tame or cultivated grasses.....acres.								
60	Wild, salt, or prairie grasses.....acres.								
61	Small grains cut for hay.....acres.								
62	Annual legumes cut for hay.....acres.								
63	Silage crops.....acres.								
64	Corn cut for forage.....acres.								
65	Kafir, sorghum, etc., for forage.....acres.								
66	Root crops for forage.....acres.								
67	Other tame or cultivated grasses.....acres.								
68	Wild, salt, or prairie grasses.....acres.								
69	Small grains cut for hay.....acres.								
70	Annual legumes cut for hay.....acres.								
71	Silage crops.....acres.								
72	Corn cut for forage.....acres.								
73	Kafir, sorghum, etc., for forage.....acres.								
74	Root crops for forage.....acres.								
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77	Small grains cut for hay.....acres.								
78	Annual legumes cut for hay.....acres.								
79	Silage crops.....acres.								
80	Corn cut for forage.....acres.								
81	Kafir, sorghum, etc., for forage.....acres.								
82	Root crops for forage.....acres.								
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85	Small grains cut for hay.....acres.								
86	Annual legumes cut for hay.....acres.								
87	Silage crops.....acres.								
88	Corn cut for forage.....acres.								
89	Kafir, sorghum, etc., for forage.....acres.								
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97	Kafir, sorghum, etc., for forage.....acres.								
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101	Small grains cut for hay.....acres.								
102	Annual legumes cut for hay.....acres.								
103	Silage crops.....acres.								
104	Corn cut for forage.....acres.								
105	Kafir, sorghum, etc., for forage.....acres.								
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116	Wild, salt, or prairie grasses.....acres.								
117	Small grains cut for hay.....acres.								
118	Annual legumes cut for hay.....acres.								
119	Silage crops.....acres.								
120	Corn cut for forage.....acres.								
121	Kafir, sorghum, etc., for forage.....acres.								
122	Root crops for forage.....acres.								
123	Other tame or cultivated grasses.....acres.								
124	Wild, salt, or prairie grasses.....acres.								
125	Small grains cut for hay.....acres.								
126	Annual legumes cut for hay.....acres.								
127	Silage crops.....acres.								
128	Corn cut for forage.....acres.								
129	Kafir, sorghum, etc., for forage.....acres.								
130	Root crops for forage.....acres.								
131	Other tame or cultivated grasses.....acres.								
132	Wild, salt, or prairie grasses.....acres.								
133	Small grains cut for hay.....acres.								
134	Annual legumes cut for hay.....acres.								
135	Silage crops.....acres.								
136	Corn cut for forage.....acres.								
137	Kafir, sorghum, etc., for forage.....acres.								
138	Root crops for forage.....acres.								
139	Other tame or cultivated grasses.....acres.								
140	Wild, salt, or prairie grasses.....acres.								
141	Small grains cut for hay.....acres.								
142	Annual legumes cut for hay.....acres.								
143	Silage crops.....acres.								
144	Corn cut for forage.....acres.								
145	Kafir, sorghum, etc., for forage.....acres.								
146	Root crops for forage.....acres.								
147	Other tame or cultivated grasses.....acres.								
148	Wild, salt, or prairie grasses.....acres.								
149	Small grains cut for hay.....acres.								
150	Annual legumes cut for hay.....acres.								
151	Silage crops.....acres.								
152	Corn cut for forage.....acres.								
153	Kafir, sorghum, etc., for forage.....acres.								
154	Root crops for forage.....acres.								
155	Other tame or cultivated grasses.....acres.								
156	Wild, salt, or prairie grasses.....acres.								
157	Small grains cut for hay.....acres.								
158	Annual legumes cut for hay.....acres.								
159	Silage crops.....acres.								
160	Corn cut for forage.....acres.								
161	Kafir, sorghum, etc., for forage.....acres.								
162	Root crops for forage.....acres.								
163	Other tame or cultivated grasses.....acres.								
164	Wild, salt, or prairie grasses.....acres.								
165	Small grains cut for hay.....acres.								
166	Annual legumes cut for hay.....acres.								
167	Silage crops.....acres.								
168	Corn cut for forage.....acres.								
169	Kafir, sorghum, etc., for forage.....acres.								
170	Root crops for forage.....acres.								
171	Other tame or cultivated grasses.....acres.								
172	Wild, salt, or prairie grasses.....acres.								
173	Small grains cut for hay.....acres.								
174	Annual legumes cut for hay.....acres.								
175	Silage crops.....acres.								



AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Kings.	Lake.	Lassen.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.	Mono.	Monterey.	Napa.	
11,940,369	1,619,428	2,104,934	61,864,479	4,697,988	1,452,334	260,064	4,124,824	13,288,914	2,564,901	219,686	9,593,270	4,722,663	1
3,797,094	334,012	373,275	855,659	2,256,056	100,481	43,178	469,947	3,940,198	301,638	7,523	2,408,114	560,923	2
5,784	59,678	65,063	2,589,128	12,140	5,462	169	5,030	217,185	111,334	42	1,224,769	785	3
2,032,372	475,426	1,513,177	5,620,444	1,170,076	771,837	119,719	1,114,175	5,865,441	1,983,625	163,536	2,389,755	779,394	4
63,532	53,778	98,242	7,904,309	61,745	460,940	37,484	281,873	935,002	103,983	45,385	575,175	82,182	5
5,957,274	662,977	55,177	42,615,691	1,195,010	70,344	59,505	1,369,706	2,325,357	64,321	3,200	1,158,199	3,299,379	6
84,313	33,657		2,282,248	2,911	37,670	29	884,063	5,731			1,837,268		7
87,271	9,181	15,757	31,293	104,559	2,636	1,875	14,054	131,622	13,431	160	96,671	17,146	8
2,025,230	174,414	187,332	496,213	1,181,325	95,837	27,417	276,583	2,266,360	153,207	4,655	1,342,271	344,315	9
4,443	1,015	6	0,222	0,222	39	9	1,060	5,152	4	7	1,317	1,143	10
193,811	25,840	132	149,590	24,310	899	108	21,081	97,428	93	125	15,687	29,543	11
237	434	1,030	1,363	2,202	2,287	330	2,896	3,731	220	30	4,207	4,405	12
8,102	8,001	19,551	27,162	32,186	89,054	4,415	76,199	75,020	4,832	1,500	57,123	122,851	13
51,954	5,333	11,986	11,563	56,384	78	273	7,818	29,759	5,883	53	89,315	8,789	14
822,852	96,952	140,042	96,852	614,783	1,402	3,189	120,670	482,847	95,970	1,630	491,932	136,943	15
21,289	2,393	926	9,023	40,604	229	1,230	2,069	80,002	2,349	70	51,012	2,742	16
647,282	43,461	17,059	162,142	448,153	3,703	19,435	56,641	1,403,569	41,213	1,400	704,693	54,872	17
7,751			2,981	2,062	3			7,845			1		18
219,334			58,860	36,790	179	8		122,048			20		19
				275				437					20
				9,247				28,045					21
8	86		50,505	237	41	3	40	4,164	15	1	17,791	20	22
78	787	1	546,050	2,583	1,153	36	349	38,929	244	9	200,009	167	23
42,942	12,477	66,333	128,542	22,497	19,316	6,381	31,707	95,620	89,926	3,430	75,716	19,284	24
93,793	21,872	82,740	269,554	52,311	34,307	5,240	51,299	269,003	108,391	7,860	105,249	34,220	25
30,534	6,023	24,191	26,900	12,574	210	830	7,090	73,357	43,675	2,648	17,103	2,623	26
71,957	14,067	39,618	123,700	41,792	411	581	17,415	233,365	62,512	7,107	53,055	7,519	27
	10	292	161		52		95		2,445	60			28
	17	450			77		99		2,947	108			29
	156	2,531	135	3			148		22,010	855			30
	233	2,910	189	4			207		30,392	1,577			31
79	140	3,307	149			7	84		145	181	10	52	32
118	213	3,539	231			14	173		205	180	15	53	33
30,316	5,375	17,209	26,992	12,407	124	121	5,532	72,901	15,383	1,552	10,817	2,317	34
71,581	13,017	31,912	123,131	41,542	258	186	15,475	232,974	24,889	5,242	52,713	7,217	35
139	342	792	463	164	34	702	1,231	456	3,692		276	248	36
258	587	807	977	246	76	381	1,461	391	4,079		327	241	37
	789	34,707	249		240		1,623	4,545	35,847	663	932	116	38
	751	36,844	231		211		1,818	4,805	36,578	677	924	106	39
10,708	5,264	7,097	90,257	9,480	14,182	5,376	21,979	14,061	10,294	63	56,966	16,032	40
14,230	0,046	5,357	98,985	8,017	25,465	4,501	26,763	17,486	9,172	44	48,572	25,249	41
48	6	239	749	30	4,559	122	260	245	108	4	383	74	42
67	6	217	870	17	7,443	97	446	362	126	4	260	154	43
954	229	65	3,559	59			307	1,936			40	209	44
6,023	716	640	34,048	437			1,503	11,413			225	765	45
384	164	1	2,087	103	30	16	272	541	1	7	163	176	46
603	214	2	6,454	260	47	22	555	851	1	8	200	222	47
314			1,359	251	6	37	19	258			9	4	48
913			2,063	888	4	39	19	655			13	9	49
	12	33	382	80			157	77	1	45	120	50	50
	73	62	3,183	726			2,780	66	2	20	2,000	196	51
30	132	324	9,073	80	1,212	80	686	265	250	124	2,101	49	52
3,159	13,193	25,203	1,020,456	3,136	161,508	4,829	60,995	17,242	21,960	17,016	187,597	6,701	53
282	29	48	31,489	587	272	17	139	1,211	20	16	543	145	54
			21,702		665						23,484		55
300			170,214		2,890						141,316		56
1,694				39									57
640				9									58
252													
20	19	16	1,230	34	28	8	70	21	26	1	106	26	59
19,415	27,355	8,046	4,195,998	35,313	12,910	16,220	70,119	20,957	17,396	480	258,659	38,004	60
160,506	172,066	2,183	442,435	92,704	24,458	2,575	196,805	73,831	4,890	518	124,508	430,100	61
629,875	169,625	18,130	1,037,553	135,302	20,125	18,226	227,853	415,534	31,342	1,435	284,178	643,396	62
1,482,687	314,139	31,270	1,476,400	170,374	28,901	25,272	426,522	694,284	36,247	1,887	689,250	745,752	63
1,837	2,499	1,130	81,531	3,307	2,994	1,547	24,481	3,631	413	1,583	15,613	15,727	64
6,503	17,394	9,258	172,964	8,889	7,323	12,619	94,574	4,446	25,076	1,083	207,850	69,828	65
12,208	28,217	21,520	303,057	13,170	7,912	19,371	234,521	5,439	29,705	1,567	549,562	89,899	66
52,250	2,590	432	50,421	64,905	1,850	574	7,048	59,302	170	28	2,147	7,100	67
402,450	10,988	4,016	421,680	105,926	1,785	2,433	13,970	382,270	2,076	110	8,873	32,603	68
922,242	12,136	4,856	660,393	128,126	1,258	2,985	19,837	642,578	1,645	149	9,489	38,822	69
497	117,937	188	244,209	1,909	11,834	95,261	95,261	2,312	175	23	9,565	46,200	70
6,382	85,776	601	199,531	1,548	4,541	612	51,087	9,395	1,172	76	12,469	59,087	71
10,587	174,210	885	109,186	1,630	11,780	1,110	87,248	8,971	2,220	87	23,210	71,470	72
50,830	48,622	221	22,292	11,381	4,557	226	67,305	7,512	269	32	4,811	344,411	73
49,829	54,499	3,679	60,577	3,547	4,187	2,467	65,795	7,235	1,947	75	10,503	449,806	74
117,170	98,526	3,526	80,098	6,951	4,877	1,656	77,237	17,871	1,458	49	18,470	530,455	75
55,042	90	27	35,581	10,904	2,377	16	121	2,811			80,728	3,056	76
164,112	363	32	169,125	15,185	2,029	47	63	11,425	47		4,668	77	77
429,107	220	101	296,633	20,460	2,547	129	81	17,977	60		66,593	6,307	78
447,248	5,620	53	134,476	1,190,686	769	1,762	38,438	658,166		124	4,153	172,742	79
5,608,040	243,278	7,278	2,042,556	2,568,056	79,726	17,883	1,939,971	2,355,545		218	54,682	5,822,727	80
96,843,096	647,252	13,442	18,700,911	25,081,442	605,745	104,060	18,357,881	24,324,197			205,866	52,732,224	81
72	8		549,361	241	57	52		2,679			31	186	82
101	38		2,624,172	422	76	994		3,388			48	720	83
133	13		8,240,673	410	28	1,400		5,737			40	580	84
7	1		226,265	51	1	10	8	52			36	74	85
8	4		829,286	57	0	35	6	174			34	118	86
4			2,147,900	44	12	35	2	41			25	89	87
2,477	24,559		153,302	9,642	1,073	81	4,164	118,628			15,378	9,070	88
1,999	33,361		451,786	7,022	193	330	2,581	53,229			4,442	15,772	89
45,517	141,567		20,026,918	65,556	2,145	3,355	42,399	282,089			32,402	176,272	90
530	10,178		115,577	855	491	38	3,888	1,942			695	7,181	91
780	3,403		388,431	1,056	70	79	1,876	1,042			805	6,250	92
28,288	43,419		19,870,557	37,475	530	1,515	33,166	18,928			10,149	109,160	93



COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		Nevada.	Orange.	Placer.	Plumas.	Riversido.	Sacramento.	San Benito.	San Bernardino.
<b>VALUE OF ALL CROPS.</b>									
1	Total.....dollars..	399,461	25,572,032	5,080,793	562,728	13,934,265	19,845,858	4,115,671	20,517,455
2	Cereals.....dollars..	11,661	310,878	681,124	62,136	1,556,241	3,285,385	472,112	605,190
3	Other grains and seeds.....dollars..	820	2,335,901	338	.....	261,148	3,097,539	1,322,442	93,307
4	Hay and forage.....dollars..	163,576	874,429	261,788	475,322	2,583,202	1,978,778	1,050,191	1,815,296
5	Vegetables.....dollars..	61,333	1,473,097	49,538	20,033	838,194	3,228,680	104,613	452,718
6	Fruits and nuts.....dollars..	162,496	19,102,148	4,075,216	5,237	9,691,730	6,346,873	1,151,025	23,429,055
7	All other crops.....dollars..	75	1,460,679	12,780	.....	4,003,744	1,908,603	15,288	121,889
<b>SELECTED CROPS (acres harvested and production).</b>									
<b>Cereals:</b>									
8	Total.....acres..	453	10,291	33,505	2,270	63,299	101,695	16,662	14,457
9	.....bushels..	7,518	190,487	366,052	44,605	902,182	1,787,062	280,796	362,516
10	Corn.....acres..	68	1,505	17	.....	1,388	4,030	613	1,295
11	.....bushels..	2,263	59,379	533	.....	28,836	159,145	6,879	41,083
12	Oats.....acres..	110	442	8,131	953	875	17,367	197	743
13	.....bushels..	1,892	10,574	110,169	27,835	16,332	226,180	2,810	17,965
14	Wheat.....acres..	117	2,058	23,449	789	18,986	60,669	7,182	1,730
15	.....bushels..	774	25,650	212,509	10,030	179,776	914,289	94,634	40,299
16	Barley.....acres..	122	6,137	1,473	77	35,222	18,872	8,608	4,445
17	.....bushels..	1,919	91,165	15,610	535	542,291	474,930	156,459	183,486
18	Kafir, milo, etc.....acres..	28	149	39	.....	6,763	488	.....	6,208
19	.....bushels..	550	3,719	512	.....	134,293	6,588	.....	79,088
20	Rough rice.....acres..	.....	.....	395	.....	7	100	.....	.....
21	.....bushels..	.....	.....	26,707	.....	61	4,500	.....	.....
<b>Other grains and seeds:</b>									
22	Dry edible beans.....acres..	6	36,750	5	.....	719	22,222	147	564
23	.....bushels..	68	481,959	72	.....	8,305	441,645	1,069	8,421
<b>Hay and forage:</b>									
24	Total.....acres..	6,954	34,284	12,774	22,996	57,114	46,920	33,255	37,247
25	.....tons..	8,566	39,963	11,556	28,485	118,891	91,860	48,402	87,544
26	All tame or cultivated grasses.....acres..	2,202	3,477	893	7,427	19,277	13,851	4,170	13,364
27	.....tons..	3,443	11,368	1,550	11,332	70,196	52,071	15,087	45,759
28	Timothy alone.....acres..	3	5	2	260	13	15	.....	86
29	.....tons..	4	5	2	435	13	10	.....	123
30	Timothy and clover mixed.....acres..	175	20	22	4,942	86	100	.....	86
31	.....tons..	280	25	31	6,920	155	100	.....	29
32	Clover alone.....acres..	301	32	42	96	58	1	40	1,092
33	.....tons..	466	14	52	210	47	2	85	540
34	Alfalfa.....acres..	580	2,926	773	1,318	17,694	13,455	4,000	11,244
35	.....tons..	1,368	10,784	1,405	2,627	74,898	51,614	14,828	43,395
36	Other tame or cultivated grasses.....acres..	1,143	494	54	811	1,426	280	130	856
37	.....tons..	1,325	540	60	1,140	1,083	345	174	1,672
38	Wild, salt, or prairie grasses.....acres..	1,594	86	403	13,981	11	3,483	3,537	100
39	.....tons..	1,400	86	317	15,471	11	3,335	2,298	113
40	Small grains cut for hay.....acres..	2,013	27,681	11,378	1,581	34,300	27,997	24,947	20,811
41	.....tons..	2,809	23,220	9,266	1,677	31,852	29,095	25,207	27,494
42	Annual legumes cut for hay.....acres..	80	2,515	17	6	163	471	187	217
43	.....tons..	77	1,794	19	2	169	497	155	340
44	Silage crops.....acres..	62	256	37	.....	878	649	166	1,532
45	.....tons..	532	2,559	226	.....	6,574	6,186	1,286	11,705
46	Corn cut for forage.....acres..	80	155	32	.....	678	.....	.....	501
47	.....tons..	183	357	32	.....	1,325	273	.....	1,020
48	Kafir, sorghum, etc., for forage.....acres..	18	65	4	.....	1,762	198	.....	696
49	.....tons..	40	91	15	.....	2,404	169	.....	1,033
50	Root crops for forage.....acres..	5	49	10	1	45	61	248	26
51	.....tons..	22	482	131	3	360	234	4,369	80
<b>Vegetables:</b>									
52	Potatoes (Irish or white).....acres..	106	607	22	95	687	1,919	204	1,267
53	.....bushels..	13,084	50,711	1,464	4,657	66,826	198,035	14,897	97,117
54	Other vegetables.....acres..	30	7,356	79	12	2,691	17,044	904	1,260
<b>Miscellaneous crops:</b>									
55	Sugar beets grown for sugar.....acres..	.....	15,093	.....	.....	1,100	515	200	1,294
56	.....tons..	.....	112,607	.....	.....	6,131	2,060	1,176	9,298
57	Cotton.....acres..	.....	.....	.....	.....	22,482	.....	.....	.....
58	.....bales..	.....	.....	.....	.....	17,169	.....	.....	.....
<b>FRUITS AND NUTS.</b>									
59	Small fruits.....acres..	21	18	126	4	72	722	61	77
60	Total.....quarts..	30,838	40,578	197,626	3,239	85,444	1,957,517	294,103	87,769
<b>Orchard fruits:</b>									
61	Total.....trees not of bearing age..	74,856	36,152	652,045	499	226,403	422,435	320,173	273,454
62	.....trees of bearing age..	95,987	117,288	1,777,722	2,143	780,494	772,403	350,986	1,011,842
63	.....bushels harvested..	73,726	180,925	1,753,009	2,884	1,240,406	1,674,494	500,133	1,394,559
64	Apples.....trees not of bearing age..	4,894	14,672	4,040	460	50,395	5,016	2,174	89,057
65	.....trees of bearing age..	16,614	25,519	38,555	1,891	107,808	16,630	10,838	263,922
66	.....bushels harvested..	24,537	30,007	30,270	2,653	111,973	31,413	22,688	329,034
67	Peaches.....trees not of bearing age..	5,780	5,848	114,112	4	70,276	64,807	16,963	79,606
68	.....trees of bearing age..	11,229	20,700	746,189	25	204,566	169,848	37,177	549,221
69	.....bushels harvested..	10,081	33,235	894,186	40	398,309	199,408	68,793	763,303
70	Pears.....trees not of bearing age..	58,198	8,518	289,999	13	22,086	199,900	39,496	50,523
71	.....trees of bearing age..	49,295	3,197	224,621	57	40,320	309,540	21,486	21,473
72	.....bushels harvested..	47,386	4,384	288,763	75	35,670	982,058	46,789	20,369
73	Plums and prunes.....trees not of bearing age..	5,084	1,511	243,132	18	11,999	132,600	154,322	7,128
74	.....trees of bearing age..	16,740	5,341	703,593	149	47,866	233,237	145,311	10,542
75	.....bushels harvested..	10,385	9,078	495,574	106	96,687	389,406	153,009	16,846
76	Apricots.....trees not of bearing age..	419	5,979	2,152	.....	50,295	6,474	104,638	27,525
77	.....trees of bearing age..	57	53,433	2,400	.....	363,918	14,265	126,552	156,173
78	.....bushels harvested..	162	97,291	3,544	.....	598,260	13,937	203,091	258,672
79	Grapes.....vines not of bearing age..	4,576	15,562	47,282	.....	52,612	338,683	3,582	264,393
80	.....vines of bearing age..	73,065	42,510	1,200,816	.....	1,041,495	7,259,957	286,697	6,276,671
81	.....pounds harvested..	315,215	269,448	11,602,986	.....	4,683,117	64,544,341	2,258,370	66,161,684
<b>Subtropical fruits:</b>									
82	Oranges.....trees not of bearing age..	2,921	728,140	2,796	.....	134,653	21,994	25	380,659
83	.....trees of bearing age..	365	1,434,078	21,011	.....	1,047,343	77,948	31	2,334,245
84	.....boxes harvested..	410	3,480,304	10,847	.....	1,494,602	80,019	25	5,102,958
85	Lemons.....trees not of bearing age..	1,880	72,219	148	.....	72,212	157	12	100,508
86	.....trees of bearing age..	15	490,204	656	.....	320,066	2,709	11	293,499
87	.....boxes harvested..	16	868,773	372	.....	689,383	3,226	15	802,086
<b>Nuts:</b>									
88	Total.....trees not of bearing age..	1,159	26,597	15,551	.....	43,037	70,187	9,830	19,271
89	.....trees of bearing age..	2,376	312,463	31,830	.....	120,203	166,780	6,137	30,992
90	.....pounds harvested..	24,587	17,808,736	182,275	.....	1,060,997	952,610	46,877	510,738
91	Walnuts (Persian or English).....trees not of bearing age..	1,003	25,433	662	.....	26,242	6,644	3,362	17,410
92	.....trees of bearing age..	1,736	312,362	267	.....	34,775	4,176	2,372	27,398
93	.....pounds harvested..	21,054	17,807,627	2,807	.....	699,737	44,448	22,645	503,959



AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

San Diego.	San Francisco.	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.	Sonoma.	Stanislaus.	
7,829,041	150,684	37,956,896	8,071,813	2,445,020	11,308,236	23,792,681	6,706,924	1,928,090	314,656	3,136,775	11,216,439	17,477,370	17,140,414	1
795,348		10,718,208	2,991,194	176,050	584,572	204,707	128,531	376,853	6,943	721,849	3,992,953	519,743	5,368,193	2
570,914		3,037,428	1,925,401	215,349	6,094,922	673,551	134,096	6,391	9	26,825	722,381	10,216	1,308,311	3
1,039,021	45	4,497,117	1,930,807	552,482	1,355,150	1,871,037	399,401	973,093	286,623	2,080,118	1,517,488	2,435,540	5,454,448	4
709,801	150,639	9,989,852	209,177	1,453,634	335,371	1,455,803	322,666	101,398	16,054	208,953	754,009	2,294,990	1,468,143	5
4,065,611		9,432,595	571,287	45,191	2,334,829	19,513,093	5,654,942	467,317	5,027	90,010	4,244,608	10,029,335	3,522,936	6
50,680		221,666	414,947	2,320	713,362	13,773	67,288	17		20	15,000	2,187,546	18,383	7
35,402		234,715	86,128	9,078	16,348	7,589	4,850	13,020	542	26,057	87,509	14,757	154,418	8
479,134		6,170,383	1,540,071	150,965	300,880	157,096	83,267	176,715	4,430	363,335	2,159,474	356,427	3,140,541	9
3,199		30,350	2,443	41	689	2,107	2,463	270		212	1,870	3,360	3,835	10
51,846		1,230,160	64,176	721	10,483	41,682	42,121	5,470		4,655	61,391	81,405	83,027	11
2,062		19,309	1,708	7,077	2,010	591	1,082	409		1,506	6,597	6,204	13,326	12
48,509		341,666	42,266	113,705	43,651	8,123	22,010	7,590	1,736	35,494	144,980	167,345	392,205	13
6,899		73,272	62,777	302	4,451	1,323	537	11,213	144	20,340	42,828	4,068	51,397	14
87,727		1,594,310	908,350	4,504	54,819	22,199	7,279	137,525	1,269	274,010	1,035,049	70,744	797,106	15
18,150		104,933	18,956	1,658	8,568	3,565	765	724	105	2,457	35,679	1,101	68,006	16
271,533		2,878,687	527,807	32,035	251,483	85,072	11,845	11,057	835	39,689	910,421	36,436	1,463,707	17
1,926		5,727	21		10	3		79			122	1	15,048	18
14,327		100,587	525		94	20		2,298			1,873	27	336,414	19
		45						257			113		1,246	20
		2,090						12,320			5,700		45,566	21
16,067		22,487	26,330	159	80,578	1,344	1,644	76		54	6,555	155	20,710	22
120,243		401,780	385,827	2,702	1,117,726	16,079	24,891	1,086	2	797	150,802	2,133	268,749	23
72,641	1	75,831	52,665	17,646	40,683	43,923	13,347	32,539	14,830	60,888	32,639	57,162	78,899	24
77,928	2	204,785	89,329	25,411	59,227	84,489	18,131	49,841	17,706	101,079	67,755	111,204	253,410	25
5,415	1	3,886	5,886	672	2,452	9,252	752	14,537	3,437	42,527	8,613	7,488	58,991	26
20,508	2	147,116	14,886	2,608	7,317	35,212	1,734	30,590	4,388	76,623	34,968	10,226	207,022	27
42		300	20	2		219	5	737		891		4,718	246	28
37		106	50	3		10		902		1,083		8,715	260	29
		229		3		10		4,206		7,059		95	50	30
42		327	16	5		12		5,009	1,818	11,299		415	25	31
32		537	12			261		289	36	133		20	32	32
4,814	1	35,088	3,877	306	2,190	7,958	616	433	65	202		595	48	33
20,121	2	144,896	13,591	1,882	7,086	33,602	1,528	6,637	1,018	28,483	7,531	1,069	58,214	34
517		804	1,973	361	242	849	116	21,096	2,021	54,898	33,893	5,578	206,959	35
318		1,154	1,233	808	221	1,118	176	2,668	441	6,651	272	820	449	36
								3,148	362	8,953	415	1,463	644	37
2,534		2,855	490	814		672	15	11,924	10,261	9,024	1,088	3,513	300	38
2,006		2,750	460	440		756	15	11,723	12,135	11,535	1,385	4,956	457	39
50,658		34,082	45,270	15,250	36,178	32,882	12,144	5,405	1,132	14,598	22,100	44,652	16,454	40
42,698		44,740	67,207	19,400	40,902	43,264	13,988	5,084	1,183	12,272	29,405	82,281	23,936	41
1,137		188	309	505	1,292	200	145	154			300	479	32	42
1,433		259	499	512	1,164	426	234	216			569	736	61	43
1,076		1,213	387	300	441	616	126	94			84	520	2,425	44
8,825		8,506	2,560	2,200	2,373	4,116	1,025	568			524	3,118	19,095	45
1,407		122	222	4	250	195	113	152			472	1,557	209	46
1,506		299	249	4	469	170	277	311			107	430	430	47
698		650	26		39	3		227				153	339	48
343		1,047	36		89	5		402				384	1,155	49
116		6	75	11	50	103	52	46			12	6	200	50
519		68	432	157	573	540	858	67			70	22	3,210	51
487	66	18,462	363	923	414	639	875	170	20	448	1,165	7,685	384	52
33,288	3,652	3,208,310	30,531	77,329	25,759	51,613	83,208	16,629	4,401	51,016	177,610	827,146	11,849	53
2,704	542	10,990	581	6,970	731	8,917	651	105	4	49	2,958	1,973	10,970	54
423		2,647	2,215		4,165	95	513						93	55
3,867		12,907	31,919		54,874	591	5,176						465	56
													2	57
													2	58
48		172	31	43	35	394	907	50	1	30	2,432		93	59
79,641		195,943	35,930	76,026	48,613	1,184,822	1,087,748	57,185	1,270	51,293	4,073	3,351,258	66,046	60
72,479		300,731	78,188	5,439	18,005	2,004,333	251,557	92,622	29	4,409	301,206	1,448,323	150,832	61
227,077		551,596	119,366	12,492	49,126	5,219,129	907,910	169,926	2,168	30,917	1,286,704	1,735,093	500,576	62
288,131		890,516	145,362	14,385	58,009	8,583,106	3,310,905	213,309	2,723	45,801	1,900,126	3,494,075	922,577	63
17,270		5,414	8,265	618	3,833	25,536	97,545	3,213	22	2,483	828	401,042	2,645	64
44,432		11,347	34,264	4,793	19,856	92,012	665,535	28,688	1,677	20,557	617,021	10,712	10,712	65
84,115		15,286	61,494	6,463	25,199	267,503	3,016,031	44,723	2,329	33,611	17,341	1,686,104	15,821	66
28,026		74,851	3,561	273	2,320	45,228	7,268	55,366		888	25,604	17,901	91,343	67
124,429		318,700	12,065	557	8,847	250,674	15,486	50,153	88	4,205	214,412	61,186	410,391	68
139,501		543,773	12,913	183	12,974	585,483	13,845	61,355	50	4,792	387,904	66,364	701,893	69
11,696		43,280	21,900	4,140	779	133,122	23,087	747	7	283	66,632	85,642	8,266	70
12,573		24,553	26,838	716	2,734	249,320	27,450	9,472	125	1,866	195,504	124,739	12,294	71
10,199		28,053	16,255	516	2,436	495,111	46,768	19,532	124	3,958	381,622	233,974	18,872	72
5,506		111,875	31,192	273	1,388	1,354,155	36,647	31,921		484	162,160	877,983	17,787	73
16,972		94,222	29,275	6,043	1,796	3,371,436	103,154	71,437	211	3,104	600,755	854,411	18,333	74
16,490		168,201	37,264	7,088	2,076	5,015,344	101,983	86,181	142	2,345	803,495	1,436,718	23,534	75
6,943		15,320	11,358	10	8,408	370,152	71,787	956		5	24,073	927	23,334	76
21,376		22,238	15,086	180	14,573	1,113,405	77,749	288		31	217,358	3,313	40,513	77
30,927		33,849	16,694	119	14,735	1,500,981	116,647	525		20	281,856	3,889	63,888	78
159,665		215,661	10,867	116	5,331	47,768	33,370	4,916		165	31,715	494,121	160,100	79
1,275,873		13,074,667	148,842	12,551	209,833	3,907,761	629,816	112,007	70	2,461	565,624	11,414,171	2,096,576	80
8,758,699		217,159,291	883,930	71,500	451,380	33,254,922	3,529,306	677,657	450	40,695	4,210,057	88,225,849	39,343,953	81
23,208		1,136	429	48	4,235	4,016	288	110			448	414	1,705	82
96,788		3,257	411	22	4,359	5,414	552	83			3,589	5,539	11,626	83
222,808		3,528	566		6,311	5,862	633	142			3,636	4,087	17,301	84
72,217		265	184	32	19,142	2,950	1,189	20			73	1,026	137	85
278,480		456	898	11	77,925	2,143	2,183	2			290	666	1,484	86
813,365		308	1,042		197,831	1,765	3,415							



COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

		Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
<b>VALUE OF ALL CROPS.</b>									
1	Total.....	dollars.. 11,640,133	3,579,305	355,558	36,547,341	429,121	18,829,031	14,927,215	2,072,118
2	Cereals.....	dollars.. 4,363,202	1,252,073	28,432	3,335,210	61,473	163,954	7,520,318	877,077
3	Other grains and seeds.....	dollars.. 1,449,001	39,873	4,369	30,460	592	7,932,756	1,779,460	172,438
4	Hay and forage.....	dollars.. 900,514	1,135,254	226,159	7,598,204	124,626	823,050	1,532,730	340,424
5	Vegetables.....	dollars.. 54,710	62,500	59,983	139,871	104,739	93,008	425,395	37,749
6	Fruits and nuts.....	dollars.. 4,781,038	1,084,337	36,015	19,416,780	137,691	8,813,077	2,642,253	271,495
7	All other crops.....	dollars.. 90,408	5,268	.....	26,786	.....	1,003,186	1,021,059	372,935
<b>SELECTED CROPS (acres harvested and production).</b>									
8	Cereals:								
9	Total.....	acres.. 97,978	47,836	1,052	126,134	2,370	7,299	144,851	28,215
10	Corn.....	bushels.. 2,253,511	680,348	15,508	1,786,840	35,070	91,202	3,832,772	422,179
11	Oats.....	acres.. 2,145	293	127	3,725	84	735	714	702
12	Wheat.....	bushels.. 44,244	5,278	3,119	82,448	1,804	10,412	16,420	14,610
13	Barley.....	acres.. 5,313	1,629	120	655	369	555	657	4,529
14	Kafir, milo, etc.....	bushels.. 95,805	30,147	1,950	13,455	8,172	2,685	15,708	57,006
15	Wheat.....	acres.. 45,174	25,112	666	74,784	1,246	2,685	55,520	17,036
16	Barley.....	bushels.. 649,584	284,962	7,436	732,739	16,403	28,612	1,301,555	209,618
17	Kafir, milo, etc.....	acres.. 36,114	18,895	93	31,652	526	3,341	78,308	2,895
18	Rough rice.....	bushels.. 1,113,876	322,345	2,642	529,726	6,475	47,463	2,027,053	45,642
19	Kafir, milo, etc.....	acres.. 1,959	1,651	.....	15,670	.....	3,991	121	716
20	Rough rice.....	bushels.. 33,561	26,821	.....	424,287	.....	3,999	2,689	14,508
21	Other grains and seeds:	acres.. 7,112	150	.....	22	.....	.....	8,511	2,277
22	Dry edible beans.....	bushels.. 313,820	8,000	.....	530	.....	.....	409,257	80,895
23	Hay and forage:								
24	Total.....	acres.. 19,537	25,904	6,645	103,246	5,498	36,216	32,079	10,083
25	All tame or cultivated grasses.....	tons.. 41,266	50,725	10,732	347,056	5,959	36,467	70,358	15,563
26	Timothy alone.....	acres.. 7,650	11,879	3,595	54,189	794	3,348	15,401	3,053
27	Timothy and clover mixed.....	acres.. 23,498	34,972	7,105	278,016	1,611	8,973	45,700	6,774
28	Clover alone.....	acres.. 5	5	5	40	75	.....	90	121
29	Alfalfa.....	acres.. 12	178	379	85	16	.....	65	87
30	Other tame or cultivated grasses.....	acres.. 25	158	1,677	53	25	.....	68	90
31	Timothy alone.....	acres.. 38	67	151	77	01	.....	78	324
32	Timothy and clover mixed.....	acres.. 201	114	64	263	166	.....	114	508
33	Clover alone.....	acres.. 238	114	64	263	166	.....	114	508
34	Alfalfa.....	acres.. 7,194	11,182	2,045	53,533	492	8,304	14,826	2,347
35	Other tame or cultivated grasses.....	acres.. 22,048	34,123	4,674	277,135	1,245	8,912	44,751	5,866
36	Wild, salt, or prairie grasses.....	acres.. 230	467	272	454	120	44	482	200
37	Small grains cut for hay.....	tons.. 274	565	423	515	139	61	767	189
38	Annual legumes cut for hay.....	acres.. 926	1,258	733	2,638	1,542	123	1,792	1,014
39	Silage crops.....	tons.. 1,283	1,128	779	2,075	1,217	118	1,738	955
40	Corn cut for forage.....	acres.. 10,313	12,369	2,252	40,340	3,108	26,838	14,098	5,603
41	Kafir, sorghum, etc., for forage.....	tons.. 13,847	13,849	2,095	46,842	3,003	22,834	17,971	7,154
42	Root crops for forage.....	acres.. 275	115	14	46,834	37	5,020	103	191
43	Annual legumes cut for hay.....	tons.. 227	110	20	677	67	3,610	145	176
44	Silage crops.....	acres.. 208	29	.....	2,167	.....	106	319	10
45	Corn cut for forage.....	tons.. 1,870	200	.....	14,872	.....	499	2,730	75
46	Kafir, sorghum, etc., for forage.....	acres.. 20	74	34	941	12	648	47	187
47	Root crops for forage.....	tons.. 29	94	50	1,769	24	302	73	394
48	Wild, salt, or prairie grasses.....	acres.. 85	174	1	2,423	.....	73	152	32
49	Silage crops.....	tons.. 162	307	1	3,336	6	80	322	31
50	Corn cut for forage.....	acres.. 53	6	16	14	1	60	167	1
51	Root crops for forage.....	tons.. 350	65	82	69	1	51	1,679	4
52	Vegetables:								
53	Potatoes (Irish or white).....	acres.. 57	55	99	189	461	104	131	50
54	Other vegetables.....	bushels.. 3,416	4,499	10,015	13,892	33,630	4,190	12,799	2,456
55	Miscellaneous crops:								
56	Sugar beets grown for sugar.....	acres.. 173	83	14	279	59	402	2,507	115
57	Cotton.....	acres.. 990	.....	.....	.....	.....	10,024	120	.....
58	.....	acres.. 6,321	.....	.....	.....	.....	77,167	600	.....
<b>FRUITS AND NUTS.</b>									
59	Small fruits:								
60	Total.....	acres.. 1	39	19	39	23	16	3	12
61	Orchard fruits:	quarts.. 2,662	37,400	10,392	43,736	29,992	30,909	4,219	11,598
62	Total.....	trees not of bearing age.. 474,245	103,566	4,240	362,761	17,243	153,013	177,725	81,070
63	Apples.....	trees of bearing age.. 712,824	318,577	8,819	1,265,901	40,618	388,998	381,436	53,147
64	Peaches.....	bushels harvested.. 1,634,044	461,955	19,011	2,195,276	68,852	632,021	675,077	77,447
65	Pears.....	trees not of bearing age.. 5,918	2,132	1,913	22,488	12,846	4,581	1,024	1,436
66	Plums and prunes.....	trees of bearing age.. 6,753	22,093	5,263	55,263	28,491	11,659	6,003	3,287
67	Apricots.....	bushels harvested.. 10,023	27,997	13,958	71,351	56,630	17,065	7,934	4,353
68	Grapes.....	trees not of bearing age.. 126,737	6,398	849	47,833	1,772	12,049	9,415	15,848
69	Subtropical fruits:	trees of bearing age.. 522,074	155,217	1,319	717,195	9,316	20,258	67,718	30,175
70	Oranges.....	bushels harvested.. 1,290,137	215,558	1,646	1,267,400	7,905	26,724	80,984	50,629
71	Lemons.....	trees not of bearing age.. 12,823	19,500	550	6,800	2,213	5,904	54,124	23,425
72	Nuts:	trees of bearing age.. 18,052	24,697	599	11,866	1,618	2,398	55,535	7,336
73	Total.....	bushels harvested.. 45,468	37,246	1,250	26,076	3,012	4,476	112,329	9,748
74	Walnuts (Persian or English).....	trees not of bearing age.. 319,609	69,797	652	269,009	204	25,139	93,541	40,055
75	Almonds.....	trees of bearing age.. 159,602	94,526	1,263	422,228	821	10,541	152,485	11,065
76	Pistachios.....	bushels harvested.. 277,427	134,298	1,633	703,554	1,113	11,457	303,668	11,767
77	.....	trees not of bearing age.. 3,808	5,275	46	12,995	28	103,889	16,211	60
78	.....	trees of bearing age.. 2,924	19,425	3	49,395	69	343,543	89,582	272
79	.....	bushels harvested.. 5,192	42,597	6	112,167	50	571,764	156,564	251
80	Grapes.....	vines not of bearing age.. 518,234	0,666	423	3,765,394	1,211	9,781	27,760	94,982
81	Subtropical fruits:	vines of bearing age.. 2,417,954	73,057	2,358	13,022,279	62,427	59,126	951,063	216,283
82	Oranges.....	pounds harvested.. 37,095,870	382,696	39,546	230,820,306	374,088	579,529	14,203,487	1,974,142
83	Lemons.....	trees not of bearing age.. 1,187	1,479	.....	527,294	38	83,059	937	2,774
84	Nuts:	trees of bearing age.. 6,831	9,843	.....	2,041,277	80	229,886	1,958	1,409
85	Walnuts (Persian or English).....	boxes harvested.. 8,023	5,801	.....	2,107,974	53	505,038	1,596	1,807
86	Almonds.....	trees not of bearing age.. 229	517	.....	80,337	3	105,028	196	73
87	Pistachios.....	trees of bearing age.. 302	265	.....	107,290	7	407,369	156	105
88	Total.....	boxes harvested.. 304	151	.....	152,902	2	840,188	97	98
89	Walnuts (Persian or English).....	trees not of bearing age.. 34,201	33,437	1,434	17,151	461	37,155	104,671	3,653
90	Almonds.....	trees of bearing age.. 177,615	56,634	218	16,895	627	191,296	237,379	7,293
91	Pistachios.....	pounds harvested.. 1,643,554	230,508	2,019	112,106	18,870	11,715,501	2,557,419	99,871
92	.....	trees not of bearing age.. 6,198	2,909	1,823	2,686	453	33,336	1,108	694
93	.....	trees of bearing age.. 4,068	2,565	175	2,639	509	177,918	1,517	684
94	.....	pounds harvested.. 74,708	18,718	1,703	58,213	18,255	11,578,793	26,355	13,650



COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919.

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Del Norte.
MORTGAGE DEBT REPORTS: 1920.										
1	For all farms operated by owners:									
2	Number free from mortgage debt.....	36,042	1,068	11	282	846	382	245	600	47
3	Number with mortgage debt.....	44,109	623	7	81	799	123	228	449	33
4	Number with no mortgage report.....	7,429	195	.....	17	188	21	82	.....	1
5	For farms consisting of owned land only:									
6	Number of farms reporting amount of debt.....	37,338	501	6	68	678	87	171	339	26
7	Value of land and buildings.....dollars..	764,166,011	6,413,850	156,500	596,100	11,055,805	930,745	7,351,236	4,855,185	469,445
8	Amount of mortgage debt.....dollars..	224,063,903	1,969,150	45,500	188,880	3,301,147	225,116	2,071,708	1,529,017	158,700
9	Ratio of debt to value.....per cent..	29.3	30.7	29.1	31.7	29.9	24.0	28.2	31.5	33.8
10	Average rate of interest paid.....per cent..	6.6	6.3	5.9	5.6	6.1	6.7	6.5	6.4	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.										
11	Labor:									
12	Farms reporting.....number..	76,414	1,784	16	240	1,368	300	630	1,007	104
13	Total expenditure.....dollars..	123,090,152	2,571,937	26,211	162,154	2,548,062	142,835	2,674,609	2,047,321	171,892
14	Amount in cash.....dollars..	109,925,053	2,284,986	24,561	130,892	2,187,490	108,669	2,322,157	1,720,065	132,968
15	Value of rent and board furnished.....dollars..	10,168,099	236,951	1,050	31,262	360,572	34,166	352,452	327,256	38,924
16	Fertilizer:									
17	Farms reporting.....number..	16,474	151	.....	4	250	19	46	51	3
18	Amount expended.....dollars..	8,182,998	51,823	.....	700	83,257	1,179	6,949	11,541	40
19	Feed:									
20	Farms reporting.....number..	77,772	2,015	10	304	1,186	414	407	1,006	110
21	Amount expended.....dollars..	46,380,569	1,428,021	6,197	72,620	466,612	71,017	193,513	663,821	76,306

		Eldorado.	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.
MORTGAGE DEBT REPORTS: 1920.											
1	For all farms operated by owners:										
2	Number free from mortgage debt.....	411	1,931	317	576	295	228	468	481	296	291
3	Number with mortgage debt.....	188	5,018	637	376	887	177	848	886	248	208
4	Number with no mortgage report.....	23	342	90	150	161	14	250	191	90	.....
5	For farms consisting of owned land only:										
6	Number of farms reporting amount of debt.....	168	4,639	451	321	764	159	730	760	227	160
7	Value of land and buildings.....dollars..	2,107,620	114,002,172	6,909,425	4,616,370	14,402,053	3,686,900	11,005,155	15,539,028	3,448,390	3,386,530
8	Amount of mortgage debt.....dollars..	416,212	36,388,935	2,401,381	1,272,802	4,987,847	1,065,676	3,776,631	4,706,665	615,818	900,634
9	Ratio of debt to value.....per cent..	19.7	31.8	34.8	27.6	34.6	28.9	34.3	30.3	17.9	26.6
10	Average rate of interest paid.....per cent..	6.5	6.8	6.5	6.0	7.2	6.9	6.6	6.7	6.3	6.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.											
11	Labor:										
12	Farms reporting.....number..	332	6,588	834	1,031	1,976	296	1,088	1,462	481	392
13	Total expenditure.....dollars..	164,631	10,631,642	1,538,206	1,296,039	5,074,497	433,259	2,239,599	2,723,156	230,176	796,023
14	Amount in cash.....dollars..	127,857	10,019,844	1,237,971	1,021,135	4,575,859	348,219	1,676,726	2,382,304	207,639	587,551
15	Value of rent and board furnished.....dollars..	36,774	611,798	300,325	274,904	498,638	85,040	562,873	340,852	22,537	208,472
16	Fertilizer:										
17	Farms reporting.....number..	66	1,306	27	102	30	6	50	82	21	10
18	Amount expended.....dollars..	4,593	254,817	14,534	10,562	37,908	490	15,726	8,995	1,513	1,886
19	Feed:										
20	Farms reporting.....number..	582	6,466	790	1,372	1,422	226	989	1,484	450	305
21	Amount expended.....dollars..	191,307	2,666,988	259,779	972,236	943,343	145,386	446,205	721,764	67,151	207,417

		Los Angeles.	Madera.	Martin.	Mariposa.	Mendocino.	Merced.	Modoc.	Mono.	Monterey.	Napa.
MORTGAGE DEBT REPORTS: 1920.											
1	For all farms operated by owners:										
2	Number free from mortgage debt.....	3,433	458	161	234	808	662	289	44	440	604
3	Number with mortgage debt.....	4,436	600	135	77	497	1,100	257	17	452	454
4	Number with no mortgage report.....	709	50	77	13	95	280	58	7	188	80
5	For farms consisting of owned land only:										
6	Number of farms reporting amount of debt.....	3,819	508	125	57	423	918	212	16	340	420
7	Value of land and buildings.....dollars..	84,571,288	7,864,221	1,808,590	499,400	5,793,670	17,146,522	3,470,734	565,320	7,071,713	6,716,558
8	Amount of mortgage debt.....dollars..	21,789,068	2,940,464	645,125	119,927	1,798,263	4,638,926	1,207,143	140,035	2,256,640	1,974,055
9	Ratio of debt to value.....per cent..	25.8	37.4	35.7	24.0	31.0	27.1	34.8	24.9	31.9	29.4
10	Average rate of interest paid.....per cent..	6.7	6.5	5.9	6.5	6.0	6.6	6.4	6.2	6.2	6.2
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.											
11	Labor:										
12	Farms reporting.....number..	8,392	553	426	144	981	1,517	480	50	1,205	970
13	Total expenditure.....dollars..	10,634,895	1,067,225	1,000,344	58,330	966,521	2,079,088	711,984	94,130	2,962,075	1,173,620
14	Amount in cash.....dollars..	9,580,605	886,867	898,746	41,171	830,203	1,605,446	549,528	67,307	2,316,412	1,012,034
15	Value of rent and board furnished.....dollars..	1,104,290	180,358	361,598	17,159	136,318	473,642	162,456	26,733	636,263	160,986
16	Fertilizer:										
17	Farms reporting.....number..	3,610	59	36	8	62	395	4	1	80	81
18	Amount expended.....dollars..	2,141,533	13,923	16,713	518	6,954	41,869	200	30	53,523	26,744
19	Feed:										
20	Farms reporting.....number..	8,769	639	640	226	1,319	1,597	431	36	1,004	1,032
21	Amount expended.....dollars..	6,569,806	180,760	1,483,752	43,411	298,293	666,305	276,497	20,828	807,451	468,523



COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919—Contd.

	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacra- mento.	San Benito.	San Ber- nardino.	San Diego.	San Francisco.
<b>MORTGAGE DEBT REPORTS: 1920.</b>										
1 For all farms operated by owners:										
2 Number free from mortgage debt.....	299	1,173	400	63	1,143	820	320	1,535	1,243	18
3 Number with mortgage debt.....	93	2,017	356	38	1,727	859	311	1,656	997	5
4 Number with no mortgage report.....	7	267	63	8	271	161	83	149	179	22
5 For farms consisting of owned land only:										
6 Number of farms reporting amount of debt..	64	1,743	295	34	1,411	661	271	1,512	739	5
7 Value of land and buildings.....dollars..	614,080	55,007,945	4,518,585	844,000	22,959,450	12,614,330	6,315,100	30,989,165	9,096,700	34,000
8 Amount of mortgage debt.....dollars..	169,723	13,437,993	1,182,249	204,860	6,914,999	3,885,199	1,534,416	8,925,146	2,577,671	10,600
9 Ratio of debt to value.....per cent..	27.6	24.4	26.2	24.3	30.1	30.8	24.3	28.8	28.3	31.2
10 Average rate of interest paid.....per cent..	6.1	6.6	6.5	6.7	6.9	6.4	6.1	6.8	6.6	6.0
<b>FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.</b>										
11 Labor:										
12 Farms reporting.....number..	282	3,267	933	119	2,590	1,793	541	2,934	1,716	33
13 Total expenditure.....dollars..	123,761	4,056,930	1,214,118	169,594	3,935,653	5,892,226	939,675	4,034,090	2,065,064	93,808
14 Amount in cash.....dollars..	99,408	3,823,427	996,223	129,921	3,746,710	5,045,895	833,886	3,841,157	1,824,954	69,594
15 Value of rent and board furnished.....dollars..	24,353	223,503	217,895	39,673	188,943	846,331	105,789	192,933	230,110	24,214
16 Fertilizer:										
17 Farms reporting.....number..	68	1,946	303	5	725	313	10	1,769	561	21
18 Amount expended.....dollars..	2,833	1,018,269	109,214	1,087	618,472	79,609	7,932	1,848,407	201,000	6,724
19 Feed:										
20 Farms reporting.....number..	413	2,920	1,104	82	2,318	1,820	490	2,357	2,198	33
21 Amount expended.....dollars..	132,671	1,510,739	422,397	19,520	1,020,536	1,086,609	225,478	1,297,216	1,294,993	57,518
	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
<b>MORTGAGE DEBT REPORTS: 1920.</b>										
1 For all farms operated by owners:										
2 Number free from mortgage debt.....	1,218	564	106	416	1,810	606	453	48	402	449
3 Number with mortgage debt.....	1,814	415	68	304	1,998	525	272	19	372	367
4 Number with no mortgage report.....	258	186	39	71	356	172	64	2	36	71
5 For farms consisting of owned land only:										
6 Number of farms reporting amount of debt..	1,483	313	58	221	1,785	470	232	15	297	285
7 Value of land and buildings.....dollars..	24,205,228	6,587,261	834,925	7,993,800	42,816,964	5,864,550	2,901,287	669,350	4,423,066	6,261,000
8 Amount of mortgage debt.....dollars..	7,982,380	1,903,587	283,220	2,500,566	13,228,038	1,822,378	895,802	209,400	1,438,517	2,050,295
9 Ratio of debt to value.....per cent..	33.0	28.9	31.5	31.3	30.9	27.7	30.9	31.3	32.5	32.7
10 Average rate of interest paid.....per cent..	6.2	6.4	6.6	6.4	6.1	6.3	6.6	6.6	6.1	6.3
<b>FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.</b>										
11 Labor:										
12 Farms reporting.....number..	3,005	1,060	413	1,194	3,752	958	440	54	656	981
13 Total expenditure.....dollars..	7,554,566	1,431,819	963,328	2,489,623	6,487,511	1,046,903	424,883	142,480	716,917	2,658,655
14 Amount in cash.....dollars..	6,379,850	1,110,159	708,815	2,113,092	5,991,553	946,352	358,402	109,451	552,294	2,267,992
15 Value of rent and board furnished.....dollars..	1,174,716	321,660	244,513	375,531	495,958	100,551	66,481	33,029	164,623	390,663
16 Fertilizer:										
17 Farms reporting.....number..	389	26	156	98	656	148	51	1	20	38
18 Amount expended.....dollars..	123,132	3,485	92,793	28,939	175,110	33,112	3,736	5	1,311	10,493
19 Feed:										
20 Farms reporting.....number..	2,871	899	361	1,020	3,650	1,311	580	59	679	891
21 Amount expended.....dollars..	1,390,663	375,145	476,899	577,800	1,933,508	754,213	161,897	38,125	186,672	483,259
	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuol- umne.	Ventura.	Yolo.	Yuba.
<b>MORTGAGE DEBT REPORTS: 1920.</b>										
1 For all farms operated by owners:										
2 Number free from mortgage debt.....	2,127	946	455	470	251	1,532	199	397	422	183
3 Number with mortgage debt.....	2,151	2,138	578	670	61	3,077	96	580	515	129
4 Number with no mortgage report.....	381	402	71	46	15	340	23	101	156	51
5 For farms consisting of owned land only:										
6 Number of farms reporting amount of debt..	1,948	1,723	434	507	55	2,665	75	452	387	105
7 Value of land and buildings.....dollars..	27,049,267	27,388,819	10,803,163	6,602,229	360,220	63,480,429	790,428	22,416,425	10,378,290	2,285,470
8 Amount of mortgage debt.....dollars..	8,428,582	8,964,050	2,415,815	2,166,173	108,290	17,652,304	209,993	5,740,888	3,125,154	784,680
9 Ratio of debt to value.....per cent..	31.2	32.7	22.4	32.8	30.1	27.8	26.3	25.6	30.1	34.3
10 Average rate of interest paid.....per cent..	6.1	6.5	6.4	6.4	6.6	6.7	6.6	6.5	6.2	6.6
<b>FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.</b>										
11 Labor:										
12 Farms reporting.....number..	3,144	2,730	1,181	747	176	4,042	219	1,307	1,230	280
13 Total expenditure.....dollars..	3,477,725	2,971,911	2,622,159	585,938	74,779	5,953,847	99,500	3,874,224	2,993,251	700,054
14 Amount in cash.....dollars..	3,045,641	2,470,152	2,224,070	438,702	53,774	5,511,380	76,224	3,503,953	2,384,801	578,939
15 Value of rent and board furnished.....dollars..	432,084	501,759	398,089	147,236	21,005	442,467	23,285	370,271	608,950	121,115
16 Fertilizer:										
17 Farms reporting.....number..	366	862	122	29	6	867	15	276	35	32
18 Amount expended.....dollars..	207,534	52,885	25,430	9,615	805	442,065	2,711	225,896	16,864	24,044
19 Feed:										
20 Farms reporting.....number..	4,757	3,109	853	968	187	3,972	279	1,145	809	307
21 Amount expended.....dollars..	7,612,077	1,281,064	327,617	234,203	15,303	1,687,639	89,643	933,641	302,679	135,170



# IRRIGATION—CALIFORNIA.

## INTRODUCTION.

The following pages present the statistics of irrigation for the state of California collected at the census of 1920. Statistics of acreage irrigated, of acreage, yield, and value of crops grown on irrigated land, and of cost of operation and maintenance relate to the year 1919; other items relate to the year 1920. Throughout the report figures for the census of 1910 are given for purposes of comparison; and, for the purpose of

showing the historical development of irrigation, items which have been reported in censuses previous to 1910 are presented.

Statistics of number of farms irrigated and of acreage, yield, and value of crops grown on irrigated land were collected in the general census of agriculture. All other statistics were obtained in a special canvass of irrigation enterprises.

TABLE 1.—SUMMARY FOR THE STATE: 1920 AND 1910.

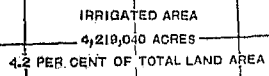
ITEM.	CENSUS OF—		INCREASE. <sup>1</sup>	
	1920	1910	Amount.	Per cent.
Number of all farms.....	117, 670	88, 197	29, 473	33. 4
Approximate land area of the state..... acres..	99, 617, 280	99, 617, 280		
All land in farms..... acres..	29, 365, 667	27, 931, 444	1, 434, 223	5. 1
Improved land in farms..... acres..	11, 878, 339	11, 389, 894	488, 445	4. 3
Number of farms irrigated.....	67, 391	39, 352	28, 039	71. 3
Area irrigated..... acres..	4, 219, 040	2, 664, 104	1, 554, 936	58. 4
Area enterprises were capable of irrigating..... acres..	5, 894, 466	3, 619, 378	2, 275, 088	62. 9
Area included in enterprises..... acres..	7, 805, 207	5, 490, 360	2, 314, 847	42. 2
Per cent irrigated:				
Number of all farms.....	57. 3	44. 6	12. 7	
Approximate land area of the state.....	4. 2	2. 7	1. 5	
Land in farms.....	14. 4	9. 5	4. 9	
Improved land in farms.....	35. 5	23. 4	12. 1	
Excess of area enterprises were capable of irrigating over area irrigated..... acres..	1, 675, 426	955, 274	720, 152	75. 4
Excess of area included in enterprises over area irrigated..... acres..	3, 586, 167	2, 826, 256	759, 911	26. 9
Area of irrigated land reported as available for settlement.... acres..	533, 981	( <sup>2</sup> )		
Capital invested.....	\$194, 886, 388	\$72, 580, 030	\$122, 306, 358	163. 5
Average per acre enterprises were capable of irrigating.....	\$33. 06	\$20. 05	\$13. 01	64. 9
Estimated final cost of existing enterprises.....	\$225, 799, 123	\$84, 392, 344	\$141, 406, 779	167. 6
Average per acre included in enterprises.....	\$28. 93	\$15. 37	\$13. 56	88. 2
Average cost of operation and maintenance per acre.....	\$4. 40	\$1. 54	\$2. 86	185. 7
IRRIGATION WORKS.				
Number of enterprises.....	24, 115	13, 970	10, 145	72. 6
Number of main ditches.....	6, 040	8, 590	-2, 550	-29. 7
Length of main ditches..... miles..	14, 437	12, 620	1, 817	14. 4
Capacity of main ditches..... second-feet..	115, 237	89, 597	25, 640	28. 6
Number of lateral ditches.....	9, 190	6, 143	3, 047	49. 6
Length of lateral ditches..... miles..	12, 947	8, 509	4, 438	52. 2
Number of reservoirs.....	3, 030	1, 583	1, 447	91. 4
Capacity of reservoirs..... acre-feet..	1, 091, 394	743, 269	348, 125	46. 8
Number of flowing wells.....	1, 415	2, 361	-946	-40. 1
Capacity of flowing wells..... gallons per minute..	287, 187	477, 343	-190, 156	-39. 8
Number of pumped wells.....	25, 401	10, 724	14, 677	136. 9
Capacity of pumped wells..... gallons per minute..	10, 608, 476	4, 119, 575	6, 488, 901	157. 5
Number of pumping plants.....	21, 561	9, 297	12, 264	131. 9
Engine capacity..... horsepower..	386, 200	128, 143	258, 057	201. 4
Pump capacity..... gallons per minute..	16, 773, 692	5, 276, 298	11, 497, 394	217. 9
Average lift..... feet..	41	( <sup>2</sup> )	41	

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Not reported in 1910.



### APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND.





## EXPLANATION OF TERMS.

**Farms irrigated.**—The number of "farms irrigated" is the number on which irrigation is practiced, and for the purposes of this inquiry a "farm" is defined as for the general census of agriculture; that is, to be classed as a farm an establishment either must be 3 acres in extent or must have produced crops to the value of \$250 in 1919, or must have required for its agricultural operations the continuous services of at least one person. "Number of farms irrigated" as used in this report and in that of 1910, is equivalent to the term "number of irrigators" used in census reports on irrigation previous to 1910.

**Irrigation enterprise.**—An "enterprise" is an independent irrigation establishment and includes the works for supplying water and the land to which water is supplied or is to be supplied, except that the cost or value of the land is not included in the "capital invested."

**Acreage irrigated, in enterprises, and available for settlement.**—Acreage irrigated is the acreage to which water was actually applied in the season preceding the census year—1919 for the Fourteenth Census and 1909 for the Thirteenth Census.

Acreage to which enterprises were capable of supplying water relates to the season following the time of taking the census and, consequently, is based on estimates made by those controlling the enterprises.

Acreage included in enterprises represents the extent of the plans of those controlling enterprises.

Acreage of irrigated land reported as available for settlement relates to land within existing enterprises and not to land that is susceptible of reclamation and settlement by new enterprises or extensions of existing enterprises.

**Types of enterprises.**—The types of enterprises under which all data are classified are as follows:

*United States Reclamation Service enterprises*, which operate under the Federal law of June 17, 1902, providing for the construction of irrigation works with the receipts from the sale of public lands. In addition to serving land within its own projects, the United States Reclamation Service supplies stored water to land within other enterprises.

*United States Indian Service enterprises*, which operate under various acts of Congress providing for the construction by that service of works for the irrigation of land in Indian reservations.

*Curey Act enterprises*, which operate under the Federal law of August 18, 1894, granting to each of the states in the arid region 1,000,000 acres of land on condition that the state provide for its irrigation, and under amendments to that law granting additional areas to Idaho and Wyoming.

*Irrigation districts*, which are public corporations that operate under state laws providing for their organization and management, and empowering them to issue bonds and levy and collect taxes with the object of obtaining funds for the purchase or construction and for the operation and maintenance of irrigation works.

*Cooperative enterprises*, which are controlled by the water users under some organized form of cooperation. The most common form of organization is the stock company, the stock of which is owned by the water users.

*Commercial enterprises*, which supply water for compensation to parties who may own no interest in the works.

*Individual and partnership enterprises*, which belong to individual farmers or to neighboring farmers, who control them without formal organization.

**Capital invested.**—The capital invested in irrigation enterprises is that reported by the owners. For the larger works the capital invested is taken, in most cases, from books of account and represents the actual investment. In the case of most of the private and partnership and many of the cooperative enterprises, however, the works were built by their owners without records of money or labor expended, and the capital reported represents the owners' estimates. The schedules used in 1910 called for "cost," while the

schedules used in the present census called for "capital invested," but the instructions accompanying the schedules make these two terms equivalent. In both cases the investment includes cost of construction and of acquiring rights. The latter usually consists of filing fees only, but in some instances it includes the purchase price of rights. However, these cases are so rare that they are unimportant. The cost reported for 1900 is designated "cost of construction," but probably includes the cost of acquiring rights, as in 1910. For the Thirteenth and Fourteenth Censuses the average cost per acre is based on the acreage which enterprises were capable of irrigating in the census year and the cost to the date of the census—January 1, 1920, for the Fourteenth Census, and July 1, 1910, for the Thirteenth Census.

**Operation and maintenance.**—Cost of operation and maintenance was not reported on all schedules, and averages are based on the acreages for which cost is reported. No estimate of total cost of operation and maintenance for all irrigation enterprises has been made. In the case of enterprises operating pumping plants the cost of operation and maintenance includes cost of fuel and attendance.

**Water rights.**—The acreage irrigated has been classified by the character of rights under which water is received. The classes used are defined as follows:

"*Appropriation and use*" includes all rights acquired without formalities of any kind that have not been defined by the courts.

"*Notice filed and posted*" includes rights for which claims of some kind have been either posted or filed that have not been defined by the courts.

"*Adjudicated by court*" includes all rights that have been defined by the courts.

"*Permit from state*" includes all rights initiated under laws requiring any party wishing to acquire rights to obtain a permit from the state.

"*Certificate or license from the state*" includes rights acquired under laws providing for the issuing by the state of certificates or licenses defining rights acquired.

"*Riparian rights*" includes rights based on the ownership of riparian land.

"*Underground*" represents water taken from wells.

**Source of water supply.**—In classifying acreage by source of supply from which water for irrigation is obtained, in 1910 acreage was credited to what seemed to be the principal source of supply, while in the census of 1920 the attempt is made to represent the facts more nearly by presenting various mixed classes.

**Date of beginning.**—The date of beginning of irrigation enterprises is, in some cases, the date when construction began, and, in other cases, the date of filing a claim or of applying for a permit. If a filing or application for permit was made and work was begun and continued with reasonable diligence the date of filing is considered the date of beginning, otherwise the date of construction is taken as the date of beginning.

**Drainage basin.**—The drainage basin of a stream is all of the land drained by the stream and its tributaries.

**Units of quantity and capacity.**—Capacities of canals, reservoirs, wells, pumps, and engines, and quantities of water used are expressed in the units commonly used in engineering literature to express the same items. They are as follows:

*Capacities of canals and volumes of flowing water* are given in second-feet, a shorter equivalent for cubic feet per second.

*Capacities of wells and pumps* are given in gallons per minute. Four hundred and fifty gallons per minute equal 1 second-foot.

*Capacities of reservoirs* are given in acre-feet. An acre-foot is the quantity of water that will cover 1 acre to a depth of 1 foot. It equals 43,560 cubic feet.

*Capacities of engines and motors* are given in horsepower. One horsepower is the power required to lift 33,000 pounds through a vertical distance of 1 foot in 1 minute of time.



**CLIMATIC CONDITIONS.**

In California both the amount and the seasonal distribution of precipitation have an important influence on the necessity for irrigation. The state has a very wide range in amount of precipitation, the average annual amount reaching about 60 inches in the northwestern part of the state and only 2 or 3 inches in the southeastern part. Throughout the state there is a well-defined wet season during the winter months and an almost entire absence of rainfall in the summer months. The latter condition makes irrigation necessary for the growing of summer crops in some sections where the total precipitation would be sufficient if more evenly distributed throughout the year, while the concentration of the year's precipitation in a short period makes it possible to grow some crops, particularly grain, without irrigation where it would not be possible if the rainfall were distributed through the year.

That part of the state lying north of San Francisco Bay, except a part of the Sacramento Valley, receives more than 20 inches of precipitation annually, and crops are grown both with and without irrigation, while the part of the state south of San Francisco Bay, except in the high mountains, receives less than 20 inches, and irrigation is generally practiced, although some crops are grown without it.

In Sacramento Valley the average annual precipitation is between 15 and 20 inches, but practically all of this occurs in the winter. Grain crops are generally grown without irrigation, and alfalfa, rice, and orchards are irrigated.

In San Joaquin Valley the average annual precipitation is from 5 to 14 inches, and here most crops except grain are generally irrigated; while there are large areas of irrigated grain.

In the southeastern part of the state desert conditions are found, the average annual precipitation being from 2 to 5 inches, and no crops can be grown without irrigation.

Along the coast of southern California the precipitation is from 15 to 20 inches, and crops are quite generally grown both with and without irrigation.

In the Sierra Nevada Mountains the snowfall in the winter is very heavy, and this maintains a good summer flow in most of the streams.

The summer of 1919 was one of the driest on record and in some sections, especially in the San Joaquin Valley, this occasioned a shortage of water for irrigation.

**WATER SUPPLY FOR IRRIGATION.**

In northern California, except the Sacramento Valley, the supply of water available for irrigation is limited, and the area irrigated is small.

In the Sacramento Valley water is taken from the Sacramento and its tributaries, and while there is a

shortage at times there is a very large supply of flood water available for storage.

In the San Joaquin Valley, where the larger part of the irrigated land of the state is located, the water supply comes principally from San Joaquin River and its tributaries from the east which rise in the high Sierras. These rivers carry large volumes of water during the rainy season and in the early summer when the snow in the mountains is melting, but have a low discharge in the summer, so that there is usually a shortage of water in this season. While some storage has been provided, there is opportunity for much more, and efforts are being made to have the owners of existing enterprises combine to build reservoirs and coordinate their canal systems in such a way as to save the flood waters and make the largest use of them. Natural overflow and seepage from irrigation have brought the ground water near the surface in many places, and during recent years many wells have been sunk and water is pumped from them to supplement the supply from streams when they are low. There is opportunity for a large extension of irrigation from this source as well as from the storage of flood waters. In 1919 the water supply in this section was unusually short, and much land usually irrigated was not watered.

In the coast region of southern California there are many short streams rising in the coast range and discharging into the Pacific. In some sections there is little opportunity for storage, and a large part of the water goes unused. In this section, as well as in other parts of the state, there are many wells, both flowing and pumped. The heavy draft on the underground supplies has lowered the ground water to such an extent that many wells that once flowed are now pumped, and the lift in pumped wells has greatly increased. This condition is being remedied to some extent by spreading the flood waters over the gravelly lands where the streams emerge from the mountains, so that some of the water will find its way into the underground supply rather than waste down the stream channels.

Similar work is proposed for the Coachella Valley, in southeastern California, where small areas are watered from wells.

Imperial Valley is supplied from Colorado River. Although the water supply in the river is usually sufficient there is sometimes difficulty in getting the water from the river into the canal because of silting. Plans for storage and for relocating the canal are under discussion. A large area of land in this valley is available for cultivation and a large quantity of water is available for storage. There are other opportunities in California to use water from Colorado River, where it forms the boundary between California and Arizona, and some land has been irrigated. Here, as in the Imperial Valley, the water supply is ample if storage is provided for the surplus flood waters.



Colorado River extends into or borders seven states, and there are conflicting claims as to the use of its waters that are delaying the construction of reservoirs. Attempts are being made to settle these conflicts through a compact between the states. Such a compact has been authorized by Congress.

### FARMS AND ACREAGE IRRIGATED.

TABLE 2.—NUMBER OF FARMS AND ACREAGE IRRIGATED: 1890 TO 1920.

CENSUS YEAR.	FARMS IRRIGATED.			AREA IRRIGATED.				
	Number.	Per cent of increase.	Per cent of all farms.	Acres.	Per cent of increase.	Per cent of total land area.	Per cent of land in farms.	Per cent of improved land in farms.
1920.....	67,391	71.3	57.3	4,219,040	58.4	4.2	14.4	35.5
1910.....	39,352	53.3	44.6	2,664,104	84.2	2.7	9.5	23.4
1900.....	25,675	87.0	35.4	1,440,114	44.0	1.5	5.0	12.1
1890.....	13,732	.....	26.0	1,004,233	.....	1.0	4.7	8.2

TABLE 3.—ACREAGE, CLASSIFIED BY DATE OF BEGINNING OF ENTERPRISES SUPPLYING WATER FOR IRRIGATION.

DATE OF BEGINNING.	Number of enterprises.	Area included in enterprises, 1920 (acres).	AREA IRRIGATED IN 1919.		Area enterprises were capable of irrigating in 1920 (acres).
			Acres.	Per cent of acreage in enterprises.	
Total.....	24,115	7,865,207	4,219,040	54.1	5,894,466
Before 1860.....	258	219,261	108,200	49.3	134,969
1860-1869.....	338	152,858	88,485	57.9	116,015
1870-1879.....	519	1,962,946	1,039,852	53.0	1,573,635
1880-1889.....	641	573,569	347,685	60.6	392,478
1890-1899.....	788	757,611	404,133	53.3	625,592
1900-1904.....	1,105	628,445	455,261	72.6	558,306
1905-1909.....	1,854	498,171	290,080	58.2	359,151
1910-1914.....	6,702	1,356,230	649,875	47.9	928,067
1915-1919.....	7,573	1,220,876	541,500	44.4	849,319
Not reported.....	4,277	435,237	292,963	67.3	356,874

TABLE 4.—ACREAGE, CLASSIFIED BY SOURCE OF WATER SUPPLY: 1919 AND 1909.

CLASS.	AREA IRRIGATED (ACRES).				Area enterprises were capable of irrigating in 1920 (acres).	Area included in enterprises, 1920 (acres).
	1919	1909	Increase. <sup>1</sup>			
			Amount.	Per cent.		
Total.....	4,219,040	2,664,104	1,554,936	58.4	5,894,466	7,805,207
Streams, gravity.....	2,564,445	2,216,757	347,688	15.7	3,627,280	4,499,148
Streams, pumped.....	295,673	29,965	265,708	886.7	480,926	664,287
Streams, pumped and gravity.....	60,278	( <sup>2</sup> )	60,278	.....	62,913	84,768
Wells, pumped.....	826,846	276,595	550,251	198.9	1,068,239	1,488,213
Wells, flowing.....	17,653	74,128	-56,475	-76.2	21,826	34,739
Wells, flowing and pumped.....	23,561	( <sup>2</sup> )	23,561	.....	27,318	57,788
Lakes, gravity.....	48,084	15,896	32,188	202.5	48,321	159,827
Lakes, pumped.....	4,168	2,574	1,594	61.9	4,429	14,067
Springs.....	27,698	31,779	-4,081	-12.8	36,285	56,227
Stored storm water...	20,351	16,410	3,941	24.0	29,681	38,546
City water.....	515	( <sup>2</sup> )	515	.....	877	887
Sewage.....	1,385	( <sup>2</sup> )	1,385	.....	1,398	2,189
Streams, gravity, and pumped wells.....	87,897	( <sup>2</sup> )	87,897	.....	99,277	127,651
Streams, gravity, and flowing wells.....	4,255	( <sup>2</sup> )	4,255	.....	5,114	5,686
Other mixed.....	228,424	( <sup>2</sup> )	228,424	.....	371,033	560,364
Other and not reported	7,807	( <sup>2</sup> )	7,807	.....	9,549	10,820

<sup>1</sup> A minus sign (—) denotes decrease. <sup>2</sup> Not included in classification in 1909.

### ACREAGE, BY CHARACTER OF ENTERPRISE.

California was the first state to enact an irrigation district law containing the provision for issuing bonds that are a lien on the lands within the districts. The so-called "Wright Act," containing this provision, was enacted in 1887, and has served as a basis for practically all irrigation district legislation in the United States. Many districts were organized under this act, only a few of which, however, have survived to the present time.

Prior to the enactment of the Wright Act there were some districts created by special act, and there was a special law providing for the organization of districts, without the bonding power, in Los Angeles County.

The Wright Act was amended and reenacted in 1897, the new law being known as the "Bridgeford Act." This law has been amended in various particulars by almost every legislature since its passage, but is still in force.

In 1915 there was enacted a law creating a State Irrigation Board, which was empowered to organize "water districts" under state supervision, rather than county supervision, as was done under the older laws, but this law has been declared unconstitutional by the state supreme court.

Many irrigation districts in California have been organized to build irrigation works, and some have taken over works built by other agencies. The lands in the Imperial Valley have been organized into an irrigation district, which controls the diversion works and the main canal, while mutual companies control the distributing canals. This land is reported under "Cooperative" in Table 5.

California accepted the conditions of the Federal Carey Act (act of Aug. 18, 1894) in 1915, providing for a "Carey Act Commission" and for the organization of "state irrigation districts" to reclaim Carey Act lands. However, no land is reported as irrigated under this law.

In 1917 California enacted a "land settlement" law, providing for the building of irrigation works and other improvements, including dwellings, etc., by the state, and the sale of the farms created on long-time and easy terms to settlers. Only one enterprise had advanced far enough to be reported in the Fourteenth Census, and this appears under "State" in Table 5. Other projects have been begun.

Most of the cooperative enterprises reported in Table 5 are mutual water companies supplying water to members only.

Commercial companies in California are subject to control by the state railroad commission as to rates charged and conditions of service.



**TABLE 5.—ACREAGE, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920 AND 1910.**

ITEM AND CLASS.	CENSUS OF—		INCREASE. <sup>1</sup>	
	1920	1910	Acres.	Per cent.
<b>ACREAGE IRRIGATED.</b>				
Total.....	4,219,040	2,664,104	1,554,936	58.4
Individual and partnership.....	1,502,870	961,136	541,734	56.4
Cooperative.....	1,215,696	779,020	436,676	56.1
Irrigation district.....	577,168	173,793	403,375	232.1
Commercial.....	873,499	746,265	127,234	17.0
U. S. Reclamation Service.....	36,622	400	36,222	.....
U. S. Indian Service.....	697	3,490	-2,793	-80.0
State.....	2,936	(2)	2,936	.....
City.....	6,213	(2)	6,213	.....
Other.....	3,064	(2)	3,064	.....
Not reported.....	275	(2)	275	.....
<b>ACREAGE ENTERPRISES WERE CAPABLE OF IRRIGATING.</b>				
Total.....	5,894,466	3,619,378	2,275,088	62.9
Individual and partnership.....	1,919,063	1,131,951	787,112	69.6
Cooperative.....	1,705,647	984,570	721,077	73.2
Irrigation district.....	899,785	294,108	605,677	205.9
Commercial.....	1,307,968	1,204,059	103,909	8.6
U. S. Reclamation Service.....	42,805	1,200	41,605	.....
U. S. Indian Service.....	986	3,490	-2,504	-71.7
State.....	4,210	(2)	4,210	.....
City.....	9,073	(2)	9,073	.....
Other.....	4,054	(2)	4,054	.....
Not reported.....	275	(2)	275	.....
<b>ACREAGE INCLUDED IN ENTERPRISES.</b>				
Total.....	7,805,207	5,490,360	2,314,847	42.2
Individual and partnership.....	2,698,798	1,512,511	1,186,287	78.4
Cooperative.....	2,148,711	1,358,435	790,276	54.8
Irrigation district.....	1,101,220	600,351	494,869	81.6
Commercial.....	1,778,135	1,066,063	712,072	39.6
U. S. Reclamation Service.....	47,669	14,200	33,469	235.7
U. S. Indian Service.....	5,252	3,800	1,452	38.2
State.....	6,259	(2)	6,259	.....
City.....	10,645	(2)	10,645	.....
Other.....	8,108	(2)	8,108	.....
Not reported.....	350	(2)	350	.....

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when more than 1,000.<sup>2</sup> Not included in classification in 1910.**ACREAGE, BY CHARACTER OF WATER RIGHTS.**

The laws of California relating to water rights are summarized in the following paragraphs:

In 1850 California adopted the common law of England, but without specific mention of water rights.

The first legislation in California relating to water rights was the act of 1872. This act provided that rights to water "flowing in a river or stream or down a canyon or ravine may be acquired by appropriation in the manner provided by law"; that the appropriation must be for some useful or beneficial purpose; that as between appropriators the "first in time is the first in right"; and that the appropriator must post a notice at the point of intended diversion and file a copy in the county records. This law was in effect until 1913.

The constitution of the state, adopted in 1879, contained the following section relating to water rights: "The use of all waters now appropriated, or that may hereafter be appropriated, for sale, rental, or distribution is hereby declared to be a public use, and subject to the regulation and control of the state, in the manner to be prescribed by law." (Art. XIV.)

While the constitution and laws provide for rights being acquired by appropriation, the courts of the state have recognized riparian rights under the law of 1850 referred to above. (*Lux v. Haggins*, 69 Cal., 255.)

In 1913 California adopted a new system of public control of the use of water and attempted to eliminate the conflict between riparian rights and right by appropriation by providing that owners of riparian lands must put water to use in order to retain their rights. The section of the law relating to this point is as follows: "Section 11. All water or the use of water which has never been appropriated, or which has been heretofore appropriated and which has not been in process, from the date of the initial act of appropriation, of being put,

with due diligence in proportion to the magnitude of the work necessary properly to utilize for the purpose of such appropriation such water or the use of water, or which has not been put, or which has ceased to be put to some useful or beneficial purpose, or which may hereafter be appropriated and cease to be put, to the useful or beneficial purpose for which it was appropriated, or which in the future may be appropriated and not be, in the process of being put, from the date of the initial act of the appropriation, to the useful or beneficial purpose for which it was appropriated, with due diligence in proportion to the magnitude of the work necessary properly to utilize for the purpose of such appropriation, such water or the use of water, is hereby declared to be unappropriated. And all waters flowing in any river, stream, canyon, ravine, or other natural channel, excepting so far as such waters have been or are being applied to useful and beneficial purpose upon, or in so far as such waters are or may be reasonably needed for useful, and beneficial purposes upon lands riparian thereto, or otherwise appropriated, is and are hereby declared to be public waters of the state of California and subject to appropriation in accordance with the provisions of the act. If any portion of the waters of any stream shall not be put to a useful or beneficial purpose to or upon lands riparian to such stream for any continuous period of 10 consecutive years after the passage of this act, such non-application shall be deemed to be conclusive presumption that the use of such portions of the waters of such stream is not needed upon said riparian lands for any useful or beneficial purpose; and such portion of the waters of any stream so nonapplied, unless otherwise appropriated for a useful or beneficial purpose, is hereby declared to be in the use of the state and subject to appropriation in accordance with the provisions of this act."

The new law created a water commission, and provided that parties wishing to take water should apply to the water commission for permission to do so, and that the commission should issue licenses on completion of the works in accordance with the permits.

The law of 1913 provided also for the preparation by the commission of findings regarding rights to water, which were to be filed with the courts and were to serve as bases for adjudications of water rights. This part of the law was amended in 1917, changing the procedure and providing that the findings of the commission shall be filed with the courts, and shall be issued as decrees by the courts, after hearings and such changes as the courts may make. After a decree is rendered the commission is to issue to each claimant a certificate setting forth his rights as determined by the court.

An act of 1917 provided that after three years' nonuse of water for the purpose for which it was appropriated or adjudicated "such unused water shall revert to the public and shall be regarded as unappropriated public water."

The portion of the law of 1913 relating to the acquiring of rights is in operation, but the commission is delaying any action for adjudication of rights until the expiration of 10 years from the passage of the act, when rights attaching to riparian lands but not utilized will have expired under the terms of the act.

**TABLE 6.—ACREAGE IRRIGATED, CLASSIFIED BY CHARACTER OF RIGHTS UNDER WHICH WATER IS RECEIVED: 1919 AND 1909.**

CLASS.	1919		1909, per cent of total.
	Acres.	Per cent of total.	
Total.....	4,219,040	100.0	100.0
Appropriation and use.....	479,361	11.4	47.3
Notice filed and posted.....	704,608	16.7	16.6
Adjudicated by court.....	982,157	23.3	23.0
Permit from state.....	80,484	1.9	(1)
Certificate or license from state.....	25,464	0.6	(1)
Riparian rights.....	240,512	5.7	8.2
Underground.....	863,613	20.5	(2)
Other and mixed.....	396,703	9.4	(2)
Not reported.....	446,118	10.6	(2)

<sup>1</sup> No provision for permits or licenses from state in 1909.<sup>2</sup> All land for which the class of water rights was not reported was included in "Appropriation and use."



## ACREAGE, BY DRAINAGE BASIN.

The report of a special census taken in 1902 presented all data by drainage basins rather than by counties. The results of the census of 1920 have been tabulated on the same basis, and the data for 1902 are presented for purposes of comparison. For no other census have the results been tabulated in this form. The acreage reported for each drainage basin in 1919 comprises all the irrigated land in that drainage basin, including that watered from springs and wells. In the 1902 results the acreages irrigated from springs and wells were not reported for the smaller tributary streams, but the acreages for the tributaries were included in those reported for the main streams. This area is so small, however, that the comparison of the areas reported for the tributary streams is not seriously affected.

TABLE 7.—ACREAGE IRRIGATED, CLASSIFIED BY DRAINAGE BASIN: 1919 AND 1902.

DRAINAGE BASIN.	AREA IRRIGATED (ACRES).			Area included in enterprises, 1920 (acres).	Area enterprises were capable of irrigating in 1920 (acres).
	1919	1902	Per cent of increase.		
Total.....	4,219,040	1,708,720	146.9	7,805,207	5,894,466
Colorado River.....	447,384	10,000	.....	621,015	494,975
Independent streams, northern California.....	139,861	125,779	11.2	259,336	193,255
Carson River.....	4,459	4,683	-4.8	7,027	4,819
Long Valley Creek.....	12,543	4,060	208.9	18,840	15,951
Mono Lake and tributaries.....	4,190	3,818	9.7	70,377	45,760
Susan River.....	31,784	23,533	35.1	36,225	35,313
Walker River.....	39,261	52,975	-25.9	42,266	40,355
Other independent streams.....	47,624	<sup>2</sup> 36,710	29.7	84,572	53,037
Independent streams, southern California.....	200,818	50,358	238.3	346,831	257,988
Mohave River.....	4,608	540	753.3	21,523	6,510
Owens River.....	144,024	51,902	177.5	200,147	182,748
San Jacinto River.....	20,860	5,040	314.1	34,974	22,263
Whitewater River.....	14,643	( <sup>3</sup> )	.....	37,604	22,282
Other independent streams.....	16,674	<sup>2</sup> 1,876	788.8	52,583	24,185
Pacific Ocean streams north of San Francisco Bay.....	66,001	56,272	17.3	146,070	85,068
Klamath River.....	62,535	52,709	18.6	122,853	70,275
Russian River.....	3,045	314	869.7	12,475	4,200
Other Pacific Ocean streams north of San Francisco Bay.....	421	<sup>2</sup> 3,249	-87.0	10,742	16,623
Pacific Ocean streams south of San Francisco Bay.....	543,385	279,519	94.4	831,400	662,847
Pajaro River.....	19,771	14,187	39.7	33,620	25,769
Salinas River.....	48,097	10,604	353.6	60,989	57,456
Santa Maria River.....	9,623	1,544	523.3	22,903	20,460
Santa Ynez River.....	3,491	1,493	133.8	10,082	9,645
Santa Clara River.....	28,270	14,214	98.9	43,205	30,216
Los Angeles River.....	59,072	5,310	.....	82,857	73,606
San Gabriel River.....	127,146	33,766	276.6	161,737	145,022
Santa Ana River.....	185,508	70,492	163.2	281,630	218,735
San Diego River.....	8,812	5,130	71.8	14,039	10,789
Other Pacific Ocean streams south of San Francisco Bay.....	53,595	<sup>2</sup> 122,809	-56.4	120,628	71,149
Sacramento River and tributaries.....	640,950	206,312	210.7	1,204,769	864,605
Sacramento River direct.....	194,397	10,942	.....	439,169	286,748
Pit River.....	89,984	72,072	24.9	129,984	107,478
Cow Creek.....	6,068	2,321	161.4	12,488	7,446
Cottonwood Creek.....	2,972	1,858	60.0	21,016	4,112
Battle Creek.....	2,966	2,642	12.3	6,590	5,108
Stony Creek.....	23,559	4,110	473.2	45,143	36,191
Feather River.....	142,841	67,111	112.8	186,756	167,463
Yuba River.....	19,473	( <sup>3</sup> )	.....	69,074	23,492
Cache Creek.....	24,541	3,756	553.4	56,498	31,212
American River.....	47,156	10,112	366.3	82,695	52,842
Other tributaries of Sacramento River.....	86,993	<sup>2</sup> 31,388	177.2	155,356	132,513

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when more than 1,000.  
<sup>2</sup> Includes springs and wells. <sup>3</sup> Not reported separately in 1902.

TABLE 7.—ACREAGE IRRIGATED, CLASSIFIED BY DRAINAGE BASIN: 1919 AND 1902—Continued.

DRAINAGE BASIN.	AREA IRRIGATED (ACRES).			Area included in enterprises, 1920 (acres).	Area enterprises were capable of irrigating in 1920 (acres).
	1919	1902	Per cent of increase.		
San Joaquin River and tributaries.....	2,103,694	932,931	125.5	4,204,966	3,248,919
San Joaquin River direct.....	642,261	129,647	395.4	1,083,862	873,300
Kern River.....	200,641	116,189	72.7	432,481	299,665
Tulare Lake.....	70,134	( <sup>3</sup> )	.....	204,860	147,444
Tule River.....	61,223	( <sup>3</sup> )	.....	175,777	109,412
Kaweah River.....	140,932	( <sup>3</sup> )	.....	356,703	289,474
Kings River.....	582,601	598,091	-7.3	1,052,406	896,263
Fresno River.....	12,414	10,720	15.7	30,004	14,016
Merced River.....	65,151	19,636	231.8	222,715	71,709
Tuolumne River.....	166,533	( <sup>3</sup> )	.....	298,418	250,425
Stanislaus River.....	75,359	13,840	444.5	155,453	111,192
Calaveras River.....	13,323	( <sup>3</sup> )	.....	21,598	16,489
Mokelumne River.....	36,848	5,558	563.0	155,480	72,144
Cosumnes River.....	3,259	( <sup>3</sup> )	.....	9,011	6,405
Other tributaries of San Joaquin River.....	55,015	<sup>2</sup> 41,241	33.4	96,198	81,981
Tributaries of San Francisco Bay, other than Sacramento and San Joaquin Rivers.....	76,947	38,549	99.6	100,730	86,779
Coyote Creek.....	25,092	8,483	195.8	30,979	26,526
Guadalupe River.....	20,248	6,547	346.7	34,549	31,008
Other tributaries of San Francisco Bay.....	22,607	<sup>2</sup> 23,519	-3.9	35,202	29,245

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Not reported separately in 1902.

<sup>3</sup> Includes springs and wells.

## CAPITAL INVESTED AND COST OF OPERATION AND MAINTENANCE.

TABLE 8.—CAPITAL INVESTED IN IRRIGATION ENTERPRISES: 1890 TO 1920.

CENSUS YEAR.	Amount.	Per cent of increase.	AVERAGE PER ACRE.	
			Amount.	Per cent of increase.
1920.....	\$194,886,388	168.5	\$33.06	04.9
1910.....	72,589,030	278.4	20.05	51.1
1900.....	19,181,610	47.5	13.27	2.5
1890.....	13,004,817	.....	12.95	.....

TABLE 9.—CAPITAL INVESTED, 1920, AND COST OF OPERATION AND MAINTENANCE, 1919, CLASSIFIED BY SOURCE OF WATER SUPPLY.

(When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.)

CLASS.	CAPITAL INVESTED, 1920.			OPERATION AND MAINTENANCE, 1919.	
	Amount.	Per cent of total.	Average per acre.	Area for which cost is reported (acres).	Average cost per acre. <sup>1</sup>
Total.....	\$194,886,388	100.0	\$33.06	3,714,361	\$4.40
Streams, gravity.....	78,139,147	40.1	21.54	2,275,082	2.06
Streams, pumped.....	10,207,591	8.3	33.83	267,826	5.10
Streams, pumped and gravity.....	3,084,038	1.6	49.02	60,137	1.03
Wells, pumped.....	54,057,185	27.7	50.60	724,593	10.40
Wells, flowing.....	807,353	0.4	30.99	4,341	5.91
Wells, flowing and pumped.....	1,776,156	0.9	65.02	20,428	7.63
Lakes, pumped.....	90,081	( <sup>3</sup> )	20.84	3,783	1.66
Lakes, gravity.....	674,320	0.3	13.96	41,962	0.39
Springs.....	1,298,368	0.7	35.78	21,635	2.21
Stored storm water.....	6,593,659	3.4	222.15	18,993	4.25
City water.....	61,055	( <sup>3</sup> )	69.62	1,286	24.05
Sewage.....	59,959	( <sup>3</sup> )	42.89	1,286	11.25
Streams, gravity, and pumped wells.....	10,001,650	5.1	100.74	67,779	15.02
Streams, gravity, and flowing wells.....	1,264,530	0.6	247.27	1,860	28.93
Other mixed.....	19,906,271	10.2	53.65	196,888	5.26
Other and not reported.....	805,115	0.4	84.81	7,744	16.13

<sup>1</sup> Based on area irrigated in 1919.

<sup>2</sup> Less than one-tenth of 1 per cent.



TABLE 10.—CAPITAL INVESTED, CLASSIFIED BY DATE OF BEGINNING.

DATE OF BEGINNING.	Amount.	Per cent of total.	Average per acre.
Total.....	\$194,886,388	100.0	\$33.06
Before 1860.....	6,802,109	3.5	50.40
1860-1869.....	2,589,615	1.3	22.32
1870-1879.....	16,475,201	8.5	10.47
1880-1889.....	19,046,449	9.8	48.53
1890-1899.....	31,330,191	16.1	50.08
1900-1904.....	19,106,308	9.8	34.22
1905-1909.....	15,252,978	7.8	42.47
1910-1914.....	41,765,878	21.4	45.00
1915-1919.....	32,996,398	16.9	38.85
Not reported.....	9,521,261	4.9	26.68

TABLE 11.—CAPITAL INVESTED, CLASSIFIED BY DRAINAGE BASIN: 1920 AND 1902.

DRAINAGE BASIN.	1920	1902	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Total.....	\$194,886,388	\$23,772,157	\$171,114,231	719.8
Colorado River.....	14,833,041	500,000	14,333,041	.....
Independent streams, northern California.....	6,257,200	629,548	5,627,652	893.9
Carson River.....	40,385	22,930	17,446	76.1
Long Valley Creek.....	171,642	16,345	155,297	950.1
Mono Lake and tributaries.....	5,363,858	15,200	5,348,658	.....
Susan River.....	242,426	203,205	39,221	19.3
Walker River.....	37,575	106,445	-158,870	-80.9
Other independent streams.....	401,314	* 175,414	225,900	128.8
Independent streams, southern California.....	12,493,213	1,354,970	11,138,243	.....
Mohave River.....	616,769	114,800	501,969	437.3
Owens River.....	5,785,132	408,875	5,376,257	.....
San Jacinto River.....	2,139,257	775,000	1,364,257	176.0
Whitewater River.....	2,242,944	(*)	2,242,944	.....
Other independent streams.....	1,709,111	* 56,295	1,652,816	.....
Pacific Ocean streams north of San Francisco Bay.....	2,378,513	304,952	2,073,561	680.0
Klamath River.....	1,690,958	281,896	1,409,062	499.9
Russian River.....	162,630	2,463	160,167	.....
Other Pacific Ocean streams north of San Francisco Bay.....	524,925	* 20,593	504,332	.....
Pacific Ocean streams south of San Francisco Bay.....	53,456,601	9,509,767	43,946,834	462.1
Pajaro River.....	1,248,343	168,593	1,079,750	640.4
Salinas River.....	2,570,331	101,960	2,468,371	.....
Santa Maria River.....	573,194	32,380	540,814	.....
Santa Ynez River.....	244,037	33,745	210,292	741.7
Santa Clara River.....	2,211,473	374,151	1,837,322	491.1
Los Angeles River.....	5,508,400	399,611	5,108,789	.....
San Gabriel River.....	12,862,319	772,597	12,089,722	.....
Santa Ana River.....	19,918,550	1,919,531	17,999,019	937.7
San Diego River.....	1,789,124	32,100	1,757,024	.....
Other Pacific Ocean streams south of San Francisco Bay.....	6,490,830	* 5,765,099	725,731	12.6
Sacramento River and tributaries.....	28,833,106	1,882,227	26,950,879	.....
Sacramento River direct.....	11,830,374	49,368	11,781,006	.....
Pit River.....	799,913	274,671	525,242	191.2
Cow Creek.....	126,946	15,246	111,700	732.7
Cottonwood Creek.....	573,601	124,473	449,128	360.8
Battle Creek.....	95,139	34,706	60,433	173.4
Stony Creek.....	1,539,614	42,250	1,497,364	.....
Feather River.....	3,937,380	869,841	3,067,539	332.7
Yuba River.....	2,518,770	(*)	2,518,770	.....
Cache Creek.....	916,477	28,115	888,362	.....
American River.....	2,890,114	112,758	2,777,356	.....
Other tributaries of Sacramento River.....	3,604,778	* 330,709	3,274,069	990.0
San Joaquin River and tributaries.....	71,694,653	9,103,242	62,591,411	687.6
San Joaquin River direct.....	9,224,164	1,504,238	7,719,926	513.2
Korn River.....	17,573,687	798,340	16,775,347	.....
Tulare Lake.....	3,010,620	(*)	3,010,620	.....
Tule River.....	2,842,495	(*)	2,842,495	.....
Kaweah River.....	6,186,840	(*)	6,186,840	.....
Kings River.....	8,145,446	2,976,688	5,168,758	173.6
Fresno River.....	415,385	400,514	14,871	3.7
Mered River.....	3,812,235	1,542,834	2,269,401	147.1
Tuolumne River.....	7,173,802	(*)	7,173,802	.....
Stanislaus River.....	7,840,486	968,964	6,871,522	709.2
Calaveras River.....	818,995	(*)	818,995	.....
Mokelumne River.....	1,675,137	305,239	1,369,898	445.8
Cosumnes River.....	153,899	(*)	153,899	.....
Other tributaries of San Joaquin River.....	1,921,512	* 603,425	1,318,087	215.8
Tributaries of San Francisco Bay, other than Sacramento and San Joaquin Rivers.....	4,040,061	487,451	4,527,512	913.4
Coyote Creek.....	1,453,138	43,345	1,409,793	.....
Guadalupe River.....	1,883,049	75,795	1,807,254	.....
Other tributaries of San Francisco Bay.....	1,603,874	* 368,311	1,235,563	335.6

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when more than 1,000.  
<sup>2</sup> Includes springs and wells. <sup>3</sup> Not reported separately in 1902.

TABLE 12.—CAPITAL INVESTED, 1920, AND COST OF OPERATION AND MAINTENANCE, 1919, CLASSIFIED BY CHARACTER OF ENTERPRISE.

[When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.]

CLASS.	CAPITAL INVESTED, 1920.		OPERATION AND MAINTENANCE, 1919.	
	Amount.	Per cent of total.	Area for which cost is reported (acres).	Average cost per acre. <sup>1</sup>
Total.....	\$194,886,388	100.0	3,714,361	\$4.40
Individual and partnership.....	57,616,716	29.6	1,185,770	6.28
Cooperative.....	48,899,448	25.1	1,074,361	4.46
Irrigation district.....	33,985,301	17.4	500,654	3.42
Commercial.....	44,996,723	23.1	854,574	2.39
U. S. Reclamation Service.....	2,398,220	1.2	25,300	1.56
U. S. Indian Service.....	55,556	(*)	423	4.96
State.....	224,909	0.1	191	17.54
City.....	1,401,320	0.7	4,026	19.52
Other.....	5,277,490	2.7	3,062	6.14
Not reported.....	30,705	(*)	.....	.....

<sup>1</sup> Based on area irrigated in 1919.

<sup>2</sup> Less than one-tenth of 1 per cent.

### DRAINAGE OF IRRIGATED LAND.

The acreages reported in Table 13 relate to lands within the boundaries of irrigation projects, and do not include lands within the vicinity of these projects. "Additional acreage needing drainage" includes all lands so reported by the owners of the enterprises, and includes lands producing partial crops as well as those wholly unproductive.

TABLE 13.—ACREAGE WITHIN IRRIGATION ENTERPRISES FOR WHICH DRAINS HAVE BEEN INSTALLED AND ADDITIONAL ACREAGE IN NEED OF DRAINAGE: 1920.

Number of enterprises reporting land drained or needing drainage.....	545
Acreage included in enterprises reporting land drained or needing drainage.....	1,623,330
Acreage for which drains have been installed.....	319,573
Additional acreage needing drainage.....	400,933
Per cent that acreage for which drains have been installed is of total acreage included in enterprises reporting drainage.....	19.7
Per cent that acreage for which drains have been installed is of total acreage included in irrigation enterprises in the state.....	4.1
Per cent that acreage for which drains have been installed plus that needing drainage is of total acreage included in irrigation enterprises in the state.....	9.3

### QUANTITY OF WATER USED.

The quantity of water used in 1919 was reported on only part of the irrigation schedules, and the figures given vary greatly. In order that proper values may be assigned to the figures given, those representing measurements and those representing estimates are reported separately in Table 14. While the data are incomplete, the reports represent sufficient acreages to serve as bases for reliable averages.

TABLE 14.—QUANTITY OF WATER USED IN 1919.

ITEM.	Total.	Measured.	Not measured.
Average volume of water entering canals, second-feet.....	29,110	13,190	15,920
Area irrigated in 1919..... acres.....	1,511,038	1,137,205	373,833
Average number of acres per second-foot.....	52	86	23
Total quantity of water entering canals, acre-feet.....	14,793,933	10,581,929	4,212,004
Area irrigated in 1919..... acres.....	2,167,485	1,785,976	381,509
Average quantity per acre..... acre-feet.....	6.8	5.9	11.0
Total quantity of water delivered..... acre-feet.....	3,409,367	1,627,316	1,782,051
Area irrigated in 1919..... acres.....	1,438,699	751,327	687,372
Average quantity per acre..... acre-feet.....	2.4	2.2	2.6



## IRRIGATION WORKS.

TABLE 15.—IRRIGATION WORKS, CLASSIFIED BY DATE OF BEGINNING.

DATE OF BEGINNING.	Number of diverting dams.	Number of storage dams.	MAIN DITCHES.			LATERAL DITCHES.		RESERVOIRS.	
			Number.	Capacity (second-feet).	Length (miles).	Number.	Length (miles).	Number.	Capacity (acre-feet).
Total.....	2,070	455	6,040	115,237	14,437	9,190	12,947	3,030	1,091,394
Before 1860.....	187	63	339	4,672	2,263	438	730	98	108,552
1860-1869.....	189	23	434	4,103	935	224	136	19	3,635
1870-1879.....	309	20	607	23,774	2,482	1,524	2,855	60	77,015
1880-1889.....	313	62	627	14,078	1,258	437	500	142	107,142
1890-1899.....	296	42	561	14,618	1,538	1,247	1,399	159	110,318
1900-1904.....	100	36	334	17,730	792	504	2,160	163	175,719
1905-1909.....	110	40	321	6,201	438	510	873	236	91,012
1910-1914.....	161	61	1,052	10,404	2,468	1,708	2,490	750	207,616
1915-1919.....	144	75	1,011	11,314	1,170	1,781	1,625	897	202,442
Not reported.....	261	33	694	8,343	1,093	817	179	500	7,943

DATE OF BEGINNING.	Pipe lines, length (miles).	FLOWING WELLS.		PUMPED WELLS.		PUMPING PLANTS.			
		Number.	Capacity (gallons per minute).	Number.	Capacity (gallons per minute).	Number.	Engine capacity (horse-power).	Pumps.	
								Number.	Capacity (gallons per minute).
Total.....	6,885.9	1,415	287,187	25,401	10,608,476	21,561	368,200	24,134	16,773,692
Before 1860.....	61.3	9	1,227	17	8,698	18	311	23	11,813
1860-1869.....	14.3	36	3,926	20	22,959	22	257	22	35,219
1870-1879.....	234.1	48	25,126	58	41,461	53	1,523	62	46,003
1880-1889.....	711.3	107	15,208	237	115,851	202	11,387	301	804,228
1890-1899.....	521.0	120	16,240	744	261,613	468	11,455	578	348,468
1900-1904.....	333.7	183	29,239	1,339	520,339	1,014	20,273	1,163	651,708
1905-1909.....	743.7	128	29,409	2,448	1,064,097	1,885	34,876	2,156	1,251,035
1910-1914.....	2,019.2	261	65,505	8,539	3,608,435	7,180	128,041	8,038	4,608,351
1915-1919.....	1,848.4	180	60,518	8,410	3,606,797	7,668	138,069	8,375	6,808,125
Not reported.....	398.9	343	52,729	3,569	1,343,256	3,151	39,468	3,426	2,148,622

TABLE 16.—IRRIGATION WORKS, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920.

CLASS.	Number of diverting dams.	Number of storage dams.	MAIN DITCHES.			LATERAL DITCHES.		RESERVOIRS.	
			Number.	Capacity (second-feet).	Length (miles).	Number.	Length (miles).	Number.	Capacity (acre-feet).
Total.....	2,070	455	6,040	115,237	14,437	9,190	12,947	3,030	1,091,394
Individual and partnership.....	1,787	333	5,343	34,298	7,116	4,351	2,641	2,655	549,335
Cooperative.....	153	32	399	32,698	2,547	1,699	3,252	191	57,226
Irrigation district.....	29	18	104	19,420	1,006	1,309	3,381	21	153,080
Commercial.....	91	62	168	20,687	3,659	1,753	3,495	137	245,750
U. S. Reclamation Service.....	4	1	5	787	65	31	155	1	61,000
U. S. Indian Service.....	5	.....	10	1,108	17	35	15	2	.....
State.....	1	4	2	38	16	.....	.....	7	293
City.....	.....	2	.....	.....	.....	2	1	11	30
Other.....	.....	3	9	195	11	10	7	5	34,700

CLASS.	Pipe lines, length (miles).	FLOWING WELLS.		PUMPED WELLS.		PUMPING PLANTS.			
		Number.	Capacity (gallons per minute).	Number.	Capacity (gallons per minute).	Number.	Engine capacity (horse-power).	Pumps.	
								Number.	Capacity (gallons per minute).
Total.....	6,885.9	1,415	287,187	25,401	10,608,476	21,561	386,200	24,134	16,773,692
Individual and partnership.....	3,767.4	1,290	225,709	24,131	9,790,608	20,821	311,505	22,323	14,038,640
Cooperative.....	1,762.3	50	33,954	922	571,860	579	50,990	938	1,438,994
Irrigation district.....	620.0	2	.....	97	83,270	36	13,416	161	513,150
Commercial.....	693.4	56	25,885	185	126,700	94	8,615	153	741,375
U. S. Reclamation Service.....	.....	.....	.....	1	400	3	263	4	3,250
U. S. Indian Service.....	12.5	15	1,539	17	2,568	4	120	13	2,538
State.....	11.0	.....	.....	13	3,706	7	161	9	4,860
City.....	26.8	.....	.....	20	26,644	13	1,090	27	28,245
Other.....	1.6	2	100	6	2,720	4	40	6	2,620



## IRRIGATION—CALIFORNIA.

TABLE 17.—IRRIGATION WORKS, CLASSIFIED BY DRAINAGE BASIN: 1920.

DRAINAGE BASIN.	Number of diverting dams.	Number of storage dams.	MAIN DITCHES.			LATERAL DITCHES.		RESERVOIRS	
			Number.	Capacity (second-feet).	Length (miles).	Number.	Length (miles).	Number.	Capacity (acre-feet).
Total.....	2,070	455	6,040	115,237	14,437	9,190	12,947	3,030	1,691,394
Colorado River.....	3	1	47	6,577	498	494	1,990	.....	.....
Independent streams, northern California.....	215	22	574	5,145	868	396	172	54	116,574
Carson River.....	15	1	18	52	20	14	1	2	4
Long Valley Creek.....	59	2	102	585	131	90	44	6	857
Mono Lake and tributaries.....	4	3	21	525	20	11	8	3	34,700
Susan River.....	93	7	82	1,861	215	114	45	15	68,949
Walker River.....	7	.....	64	925	161	3	5	5	10,000
Other independent streams.....	37	9	287	1,197	315	164	69	23	7,064
Independent streams, southern California.....	32	18	381	8,724	446	410	988	284	132,308
Mohave River.....	2	.....	21	189	23	9	4	18	27
Owens River.....	6	4	53	1,598	138	5	4	20	26,006
San Jacinto River.....	7	11	32	251	50	28	14	94	105,688
Whitewater River.....	3	.....	12	57	47	15	2	41	50
Other independent streams.....	14	3	263	6,629	188	353	964	111	537
Pacific Ocean streams north of San Francisco Bay.....	469	38	971	5,850	1,083	323	479	84	95,351
Klamath River.....	448	23	925	5,716	1,058	284	113	70	95,064
Russian River.....	9	10	18	23	8	25	364	10	142
Other Pacific Ocean streams north of San Francisco Bay.....	12	5	28	111	17	14	2	4	155
Pacific Ocean streams south of San Francisco Bay.....	197	82	716	9,418	928	1,281	419	925	68,969
Pajaro River.....	29	9	94	278	66	81	29	19	5,995
Salinas River.....	7	4	140	553	117	403	98	21	73
Santa Maria River.....	1	1	16	69	13	25	3	8	36
Santa Ynez River.....	9	8	18	227	10	10	4	16	2,502
Santa Clara River.....	15	3	38	191	49	56	30	30	2,741
Los Angeles River.....	11	3	79	266	81	191	78	164	4,950
San Gabriel River.....	18	1	54	3,940	89	61	47	129	7,168
Santa Ana River.....	39	12	123	2,096	302	139	34	139	3,514
San Diego River.....	4	2	11	.....	.....	5	4	63	18,904
Other Pacific Ocean streams south of San Francisco Bay.....	64	39	143	1,798	201	310	92	336	23,058
Sacramento River and tributaries.....	859	200	1,821	23,514	4,574	1,743	1,955	220	348,435
Sacramento River direct.....	6	3	192	5,803	585	559	693	24	285
Pit River.....	322	63	489	5,160	730	159	78	63	202,877
Cow Creek.....	40	.....	64	367	118	30	23	1	.....
Cottonwood Creek.....	16	1	41	147	78	19	30	8	6,300
Battle Creek.....	26	.....	71	358	114	17	4	.....	.....
Stony Creek.....	44	5	63	1,590	81	22	130	4	51,001
Feather River.....	221	52	332	4,399	455	424	130	12	243
Yuba River.....	41	33	136	1,235	481	65	96	32	56,672
Catch Creek.....	6	3	20	1,197	87	30	115	4	181
American River.....	51	31	109	1,264	1,498	135	374	53	30,662
Other tributaries of Sacramento River.....	86	9	304	1,994	347	292	282	19	194
San Joaquin River and tributaries.....	269	85	1,452	55,028	5,995	4,394	6,904	1,419	329,522
San Joaquin River direct.....	23	2	176	11,431	1,237	1,203	2,103	120	1,937
Kern River.....	17	11	142	6,273	427	156	140	188	60,469
Tulare Lake.....	26	.....	67	562	101	200	601	671	119,553
Tule River.....	44	2	115	2,465	426	209	155	118	523
Kaweah River.....	19	1	95	5,133	339	271	497	72	2,348
Kings River.....	27	5	128	17,194	892	465	981	67	6,116
Fresno River.....	5	.....	7	314	5	6	107	19	263
Merced River.....	17	1	159	2,171	478	597	290	9	8,019
Tuolumne River.....	17	15	110	5,834	626	835	907	12	86,007
Stanislaus River.....	12	13	59	1,444	190	142	813	17	42,526
Calaveras River.....	22	8	129	224	86	33	12	25	17
Mokelumne River.....	31	25	126	1,598	1,024	62	163	33	678
Cosumnes River.....	6	.....	13	103	55	2	15	2	.....
Other tributaries of San Joaquin River.....	3	2	126	882	111	213	180	66	10,066
Tributaries of San Francisco Bay, other than Sacramento and San Joaquin Rivers.....	26	9	78	381	45	149	40	44	235
Coyote Creek.....	6	.....	6	24	5	.....	.....	3	1
Guadalupe River.....	8	.....	12	271	21	4	20	.....	.....
Other tributaries of San Francisco Bay.....	12	9	60	86	19	145	20	41	234



TABLE 17.—IRRIGATION WORKS, CLASSIFIED BY DRAINAGE BASIN: 1920—Continued.

DRAINAGE BASIN.	Pipe lines, length (miles).	FLOWING WELLS.		PUMPED WELLS.		PUMPING PLANTS.				
		Number.	Capacity (gallons per minute).	Number.	Capacity (gallons per minute).	Number.	Engine capacity (horse- power).	Pumps.		Aver- age lift (feet).
								Number.	Capacity (gallons per minute).	
Total.....	6,885.9	1,415	287,187	25,401	10,608,476	21,561	386,200	24,134	16,773,692	41
Colorado River.....	0.4			1	900	2	73	2	2,000	42
Independent streams, northern California.....	8.6	75	6,647	30	13,144	27	552	28	28,414	35
Carson River.....	0.5									
Long Valley Creek.....	2.1			1	480	3	9	3	1,180	17
Susan River.....	2.0			1	75	4	34	4	3,480	23
Other independent streams.....	4.0	75	6,647	28	12,589	20	509	21	23,774	37
Independent streams, southern California.....	760.7	368	51,386	1,087	404,122	843	15,093	892	433,667	58
Mohave River.....	28.8	31	4,874	88	45,477	80	2,145	86	45,060	80
Owens River.....	388.5	23	537	9	4,088	12	137	12	4,558	24
San Jacinto River.....	145.0	9	115	236	66,833	183	3,546	203	70,386	73
Whitewater River.....	77.5	242	36,860	325	121,466	235	3,212	247	126,856	41
Other independent streams.....	120.9	63	9,000	429	166,258	327	6,053	344	180,407	57
Pacific Ocean streams north of San Francisco Bay..	52.4	4		107	35,194	186	3,858	190	168,163	22
Klamath River.....	19.1	3		14	4,375	43	2,095	47	111,709	13
Russian River.....	27.2	1		89	30,234	128	1,058	128	51,239	23
Other Pacific Ocean streams north of San Francisco Bay.....	6.1			4	585	15	105	15	5,215	17
Pacific Ocean streams south of San Francisco Bay..	4,041.4	713	164,294	7,068	3,064,724	5,203	129,331	6,071	3,694,090	57
Pajaro River.....	83.2	17	2,000	688	186,255	370	7,083	417	203,845	35
Salinas River.....	169.6	18	3,808	697	422,195	239	10,085	286	424,092	25
Santa Maria River.....	28.9	13	2,700	118	66,393	62	2,934	78	204,534	47
Santa Ynez River.....	28.7	7	1,510	60	16,401	61	1,611	84	199,630	30
Santa Clara River.....	154.0	1	700	136	92,040	125	5,126	161	102,184	67
Los Angeles River.....	528.2	45	24,963	849	443,036	745	16,208	825	458,932	52
San Gabriel River.....	832.9	160	28,363	1,034	557,934	825	25,675	951	579,153	72
Santa Ana River.....	924.5	360	62,693	1,816	1,002,743	1,523	45,345	1,836	1,048,090	61
San Diego River.....	145.2	1	8	533	54,216	319	2,313	374	65,402	56
Other Pacific Ocean streams south of San Francisco Bay.....	1,146.2	91	37,549	1,137	223,502	934	12,951	1,059	408,258	59
Sacramento River and tributaries.....	361.2	36	2,957	3,508	1,473,602	3,430	64,163	3,898	4,184,240	26
Sacramento River direct.....	61.2			514	279,456	655	28,625	807	2,616,658	24
Pit River.....	2.9	14	693	4	395	36	440	36	32,886	18
Cow Creek.....	0.4					11	87	11	8,055	14
Cottonwood Creek.....	0.6					9	100	10	7,665	33
Battle Creek.....	0.3			2	750	3	63	4	3,300	25
Stony Creek.....	17.5			68	40,451	61	759	66	45,959	25
Feather River.....	117.3	9	1,284	845	341,583	728	8,425	828	394,677	22
Yuba River.....	6.2	2	30	8	2,725	9	1,572	11	2,751	35
Cache Creek.....	0.4			144	91,211	75	1,524	76	92,391	24
American River.....	77.8			163	93,694	172	2,358	190	95,838	26
Other tributaries of Sacramento River.....	76.6	11	959	1,760	623,337	1,671	20,210	1,859	883,260	30
San Joaquin River and tributaries.....	1,395.6	145	48,828	11,149	4,911,280	9,973	136,911	10,951	7,400,131	34
San Joaquin River direct.....	184.8	49	15,155	1,531	668,420	1,481	30,086	1,639	1,295,475	25
Kern River.....	83.1	17	13,850	441	219,674	384	6,676	405	223,606	47
Tulare Lake.....	261.9	24	8,253	1,100	434,565	906	12,841	1,089	1,330,434	59
Tule River.....	162.7	2	251	1,146	493,272	974	11,320	1,083	995,319	45
Kaweah River.....	269.7	3	17	2,136	842,085	1,734	21,932	1,930	876,254	41
Kings River.....	239.3	34	10,000	2,547	1,183,710	2,283	25,426	2,397	1,225,607	23
Fresno River.....	6.3	1	200	145	79,255	134	1,520	144	82,738	33
Merced River.....	5.2	1	75	216	120,465	213	2,774	235	157,865	21
Tuolumne River.....	14.4	1	400	63	53,880	66	1,231	60	59,360	33
Stanislaus River.....	41.0			34	25,490	36	1,158	41	73,140	26
Calaveras River.....	29.4	6	220	565	189,181	544	4,358	585	200,337	26
Mokelumne River.....	82.2	2	25	709	356,156	694	8,309	705	451,434	33
Cosumnes River.....	5.5			117	50,870	111	1,788	131	84,740	28
Other tributaries of San Joaquin River.....	11.1	5	382	399	193,257	413	7,483	458	343,822	28
Tributaries of San Francisco Bay, other than Sacramento and San Joaquin Rivers.....	264.6	74	13,075	2,451	705,510	1,897	36,219	2,102	862,987	55
Coyote Creek.....	60.2	14	3,450	821	246,483	657	12,407	725	312,320	50
Guadalupe River.....	99.3	51	7,700	725	242,912	512	13,480	572	278,221	67
Other tributaries of San Francisco Bay.....	105.1	9	1,925	905	216,115	728	10,332	805	272,446	59



## CROPS.

TABLE 18.—ACREAGE, YIELD, AND VALUE OF PRINCIPAL CROPS GROWN ON IRRIGATED LAND, AND COMPARISONS WITH TOTALS FOR THE STATE: 1919 AND 1909.

[Totals for the state, used in making comparisons, are shown in state bulletin on agriculture.]

CROP.	AREA HARVESTED.					QUANTITY HARVESTED.				
	1919		1909		Per cent of increase. <sup>1</sup>	Unit.	1919		1909	Per cent of increase. <sup>1</sup>
	Acres.	Per cent of total for state.	Acres.	Per cent of total for state.			Amount.	Per cent of total for state.	Amount.	Per cent of total for state.
<b>Cereals:</b>										
1 Corn.....	56,958	48.8	17,802	31.3	220.0	Bu....	1,961,828	57.0	491,978	38.6
2 Oats.....	9,359	6.4	5,903	3.1	58.5	Bu....	266,878	9.0	205,727	5.0
3 Winter wheat.....	85,245	9.2	22,903	4.7	191.0	Bu....	1,635,503	11.2	408,706	6.6
4 Spring wheat.....	48,330	29.9				Bu....	717,549	31.8		
5 Barley.....	128,812	13.0	77,785	6.5	65.6	Bu....	3,299,308	15.1	1,814,971	7.0
6 Rye.....	2,546	13.8	107	1.5		Bu....	29,291	15.8	1,265	1.8
7 Kafir, millo, etc.....	124,092	73.0	( <sup>2</sup> )			Bu....	3,253,711	80.3	( <sup>2</sup> )	
8 Rough rice.....	130,367	100.0	( <sup>2</sup> )			Bu....	6,926,313	100.0	( <sup>2</sup> )	
9 Mixed crops.....	1,633	59.2	( <sup>2</sup> )			Bu....	58,300	78.5	( <sup>2</sup> )	
<b>Other grains and seeds:</b>										
10 Clover and alfalfa seed <sup>3</sup> .....	2,319	18.0	2,570	29.3	-0.8	Bu....	9,702	23.7	5,911	24.5
11 Dry beans, navy, etc.....	143,379	31.5	11,384	7.2		Bu....	2,459,350	37.5	244,624	7.3
12 Dry peas (Canada).....	1,504	7.2	290	9.8	418.6	Bu....	24,850	13.6	9,902	17.2
13 Sugar-beet seed.....	503	71.4	( <sup>2</sup> )			Lbs....	138,000	51.8	( <sup>2</sup> )	
14 Flower and vegetable seed.....	3,234	22.9	( <sup>2</sup> )			Lbs....	2,060,510	37.6	( <sup>2</sup> )	
<b>Hay and forage:</b>										
15 Timothy alone.....	2,919	22.5	8,026	58.5	-63.6	Tons..	4,936	25.5	11,236	56.2
16 Timothy and clover mixed.....	36,786	71.2	20,880	44.7	85.8	Tons..	54,806	72.8	31,177	46.7
17 Clover alone.....	4,582	32.1	1,176	13.3	315.1	Tons..	6,396	26.0	2,689	13.2
18 Alfalfa.....	556,656	77.5	306,092	75.7	51.8	Tons..	1,967,329	81.6	1,280,105	78.1
19 Other tame grasses.....	15,883	31.8	6,504	7.0	143.9	Tons..	22,676	33.7	10,650	8.7
20 Annual legumes cut for hay.....	3,055	11.8	101,187	6.3	46.7	Tons..	3,726	12.4	146,013	7.2
21 Small grains cut for hay.....	145,337	13.4				Tons..	199,432	15.4		
22 Wild, salt, or prairie grasses.....	85,603	48.0	153,672	60.7	-44.3	Tons..	96,722	52.1	189,964	67.6
23 Silage crops.....	16,244	55.0	( <sup>2</sup> )			Tons..	119,291	57.4	( <sup>2</sup> )	
24 Corn cut for forage.....	5,060	37.1	( <sup>2</sup> )			Tons..	12,946	51.9	( <sup>2</sup> )	
25 Kafir, sorghum, etc., for forage.....	7,418	51.1	( <sup>2</sup> )			Tons..	14,667	59.8	( <sup>2</sup> )	
26 Root crops for forage.....	634	9.4	( <sup>2</sup> )			Tons..	5,712	4.5	( <sup>2</sup> )	
<b>Vegetables:</b>										
27 Potatoes.....	20,608	46.9	32,735	48.4	-9.3	Bu....	4,502,597	54.8	5,180,006	52.7
28 Sweet potatoes and yams.....	5,858	76.8	( <sup>2</sup> )			Bu....	659,734	76.1	( <sup>2</sup> )	
29 Cabbages.....	3,279	60.5	( <sup>2</sup> )							
30 Cantaloupes and muskmelons.....	13,800	64.3	( <sup>2</sup> )							
31 Celery.....	2,605	48.7	( <sup>2</sup> )							
32 Cucumbers.....	4,477	26.7	( <sup>2</sup> )							
33 Beans (green).....	1,564	37.9	( <sup>2</sup> )							
34 Peas (green).....	2,258	27.4	( <sup>2</sup> )							
35 Lettuce.....	4,266	69.7	( <sup>2</sup> )							
36 Onions.....	5,801	68.2	( <sup>2</sup> )							
37 Corn (sweet).....	2,219	42.2	( <sup>2</sup> )							
38 Tomatoes.....	16,997	51.1	( <sup>2</sup> )							
39 Watermelons.....	3,979	51.2	( <sup>2</sup> )							
40 Asparagus.....	9,626	55.2	( <sup>2</sup> )							
41 Cauliflower.....	2,362	61.4	( <sup>2</sup> )							
42 Peppers (green).....	4,255	87.4	( <sup>2</sup> )							
43 Pumpkins.....	544	48.1	( <sup>2</sup> )							
44 Spinach.....	867	36.1	( <sup>2</sup> )							
<b>Miscellaneous crops:</b>										
45 Sugar beets grown for sugar.....	55,720	63.1	14,657	18.6	280.2	Tons..	422,427	63.3	171,494	20.3
46 Cotton.....	83,963	96.2	( <sup>2</sup> )			Bales..	44,681	96.3	( <sup>2</sup> )	
47 Broom corn.....	883	40.5	( <sup>2</sup> )			Lbs....	351,700	44.4	( <sup>2</sup> )	
48 Hops.....	2,172	26.8	( <sup>2</sup> )			Lbs....	3,691,623	29.3	( <sup>2</sup> )	
<b>Small fruits:</b>										
49 Strawberries.....	1,465	29.5	( <sup>2</sup> )			Qts....	5,143,533	47.6	( <sup>2</sup> )	
<b>Orchard fruits:</b>										
50 Apples.....	4,804,683	25.7	( <sup>2</sup> )			Bu....	1,335,057	17.0	( <sup>2</sup> )	
51 Peaches.....	4,562,259	62.5	( <sup>2</sup> )			Bu....	10,318,362	64.6	( <sup>2</sup> )	
52 Pears.....	1,017,060	44.1	( <sup>2</sup> )			Bu....	1,783,951	45.1	( <sup>2</sup> )	
53 Plums and prunes.....	3,841,678	43.8	( <sup>2</sup> )			Bu....	6,542,548	49.6	( <sup>2</sup> )	
54 Cherries.....	428,569	43.3	( <sup>2</sup> )			Bu....	326,449	49.9	( <sup>2</sup> )	
55 Apricots.....	1,630,763	44.2	( <sup>2</sup> )			Bu....	2,608,136	44.1	( <sup>2</sup> )	
56 Quinces.....	12,403	48.0	( <sup>2</sup> )			Bu....	18,315	58.3	( <sup>2</sup> )	
<b>Grapes.....</b>	<sup>5</sup> 73,217,234	47.8	74,984			Lbs....	1,128,175,200	54.9	( <sup>2</sup> )	
<b>Subtropical fruits:</b>										
58 Oranges.....	4,878,956	84.3	( <sup>2</sup> )			Boxes..	18,725,602	86.6	( <sup>2</sup> )	
59 Lemons.....	2,209,716	79.7	( <sup>2</sup> )			Boxes..	5,776,149	88.2	( <sup>2</sup> )	
60 Grapefruit (pomeloes).....	4193,819	83.9	( <sup>2</sup> )			Boxes..	393,923	84.7	( <sup>2</sup> )	
61 Figs.....	4210,854	49.0	( <sup>2</sup> )			Lbs....	10,074,552	46.2	( <sup>2</sup> )	
62 Alligator pears (avocados).....	410,674	89.6	( <sup>2</sup> )			Crates..	7,294	92.1	( <sup>2</sup> )	
63 Dates.....	414,406	85.3	( <sup>2</sup> )			Lbs....	118,311	81.6	( <sup>2</sup> )	
64 Olives.....	4536,543	58.3	( <sup>2</sup> )			Lbs....	12,264,764	69.8	( <sup>2</sup> )	
65 Japanese persimmons.....	45,510	39.8	( <sup>2</sup> )			Bu....	9,500	44.3	( <sup>2</sup> )	
66 Pomegranates.....	414,710	60.6	( <sup>2</sup> )			Lbs....	590,091	61.9	( <sup>2</sup> )	
<b>Nuts:</b>										
67 Almonds.....	4464,071	19.3	( <sup>2</sup> )			Lbs....	3,190,813	20.3	( <sup>2</sup> )	
68 Walnuts (English or Persian).....	4016,372	48.4	( <sup>2</sup> )			Lbs....	30,210,494	51.1	( <sup>2</sup> )	

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when more than 1,000.  
<sup>2</sup> Not reported separately in 1909.

<sup>3</sup> Excluding red clover seed (1919).  
<sup>4</sup> Number of trees of bearing age.

<sup>5</sup> Number of vines of bearing age.



TABLE 18.—ACREAGE, YIELD, AND VALUE OF PRINCIPAL CROPS GROWN ON IRRIGATED LAND, AND COMPARISONS WITH TOTALS FOR THE STATE: 1919 AND 1909—Continued.

[Totals for the state, used in making comparisons, are shown in state bulletin on agriculture.]

CROP.	Unit.	AVERAGE YIELD PER ACRE, 1919.					VALUE.				
		For state.	On non-irrigated land.	On irrigated land.			1919		1909		Per cent of increase. <sup>1</sup>
				Average.	Per cent of average for state.	Per cent of average on nonirrigated land.	Amount.	Per cent of total for state.	Amount.	Per cent of total for state.	
<b>Cereals:</b>											
1 Corn.....	Bu....	29.5	24.8	34.5	116.9	139.1	\$3,340,208	57.0	\$440,312	40.9	658.6
2 Oats.....	Bu....	20.2	19.6	28.5	141.1	145.4	266,878	9.0	137,160	5.2	94.6
3 Winter wheat.....	Bu....	15.8	15.5	19.2	121.5	123.9	3,583,942	11.2	428,608	6.8	.....
4 Spring wheat.....	Bu....	13.9	13.5	14.8	106.5	109.6	1,571,432	31.8	1,097,541	6.4	381.0
5 Barley.....	Bu....	22.2	21.7	25.6	115.3	118.0	5,278,893	15.1	1,133	1.7	.....
6 Rye.....	Bu....	10.1	9.9	11.5	113.9	116.2	54,194	15.8	( <sup>2</sup> )	( <sup>2</sup> )	.....
7 Kafir, milo, etc.....	Bu....	24.1	18.2	26.2	108.7	144.0	5,531,309	80.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
8 Rough rice.....	Bu....	53.1	.....	53.1	100.0	.....	20,432,627	100.0	( <sup>2</sup> )	( <sup>2</sup> )	.....
9 Mixed crops.....	Bu....	26.9	14.1	35.7	132.7	253.2	81,620	78.5	( <sup>2</sup> )	( <sup>2</sup> )	.....
<b>Other grains and seeds:</b>											
10 Clover and alfalfa seed <sup>3</sup> .....	Bu....	3.2	3.0	4.2	131.3	140.0	203,742	23.7	53,829	26.8	273.5
11 Dry beans, navy, etc.....	Bu....	13.9	12.7	16.6	119.4	130.7	11,558,944	37.5	378,770	6.0	.....
12 Dry peas (Canada).....	Bu....	8.7	8.1	16.5	189.7	203.7	88,218	13.6	15,331	15.2	475.4
13 Sugar-beet seed.....	Lbs....	378.7	639.8	274.4	72.5	42.9	96,600	51.8	( <sup>2</sup> )	( <sup>2</sup> )	.....
14 Flower and vegetable seed.....	Lbs....	386.7	312.9	635.9	164.4	203.2	2,056,510	37.6	( <sup>2</sup> )	( <sup>2</sup> )	.....
<b>Hay and forage:</b>											
15 Timothy alone.....	Tons....	1.50	1.44	1.69	112.7	117.4	93,784	25.5	90,083	48.5	4.1
16 Timothy and clover mixed.....	Tons....	1.44	1.52	1.41	97.9	92.8	1,013,911	72.8	316,993	50.4	219.9
17 Clover alone.....	Tons....	1.62	1.76	1.31	80.9	74.4	118,326	26.0	40,429	19.0	192.7
18 Alfalfa.....	Tons....	3.36	2.75	3.53	105.1	128.4	44,260,402	81.6	9,983,370	76.3	343.4
19 Other tame grasses.....	Tons....	1.35	1.32	1.43	105.9	108.3	396,830	33.7	112,097	8.8	254.0
20 Annual legumes cut for hay.....	Tons....	1.16	1.15	1.22	105.2	106.1	74,520	12.4	1,532,681	6.4	210.6
21 Small grains cut for hay.....	Tons....	1.19	1.17	1.37	115.1	117.1	4,686,652	15.4	( <sup>2</sup> )	( <sup>2</sup> )	.....
22 Wild, salt, or prairie grasses.....	Tons....	1.04	0.96	1.13	108.7	117.7	1,354,108	52.1	1,194,716	58.9	13.3
23 Silage crops.....	Tons....	7.04	6.67	7.34	104.3	110.0	1,133,264	57.4	( <sup>2</sup> )	( <sup>2</sup> )	.....
24 Corn cut for forage.....	Tons....	1.83	1.40	2.55	139.3	182.1	181,244	51.9	( <sup>2</sup> )	( <sup>2</sup> )	.....
25 Kafir, sorghum, etc., for forage.....	Tons....	1.69	1.39	1.98	117.2	142.4	220,005	50.8	( <sup>2</sup> )	( <sup>2</sup> )	.....
26 Root crops for forage.....	Tons....	18.67	19.67	9.01	48.3	45.8	94,248	4.5	( <sup>2</sup> )	( <sup>2</sup> )	.....
<b>Vegetables:</b>											
27 Potatoes.....	Bu....	120.8	110.6	151.6	116.8	137.1	10,355,973	54.8	2,440,931	50.0	324.3
28 Sweet potatoes and yams.....	Bu....	113.6	117.0	112.6	99.1	96.2	1,517,388	76.1	( <sup>2</sup> )	( <sup>2</sup> )	.....
29 Cabbages.....	Bu....	.....	.....	.....	.....	.....	547,205	57.4	( <sup>2</sup> )	( <sup>2</sup> )	.....
30 Cantaloupes and muskmelons.....	Bu....	.....	.....	.....	.....	.....	2,753,155	70.7	( <sup>2</sup> )	( <sup>2</sup> )	.....
31 Celery.....	Bu....	.....	.....	.....	.....	.....	721,521	47.5	( <sup>2</sup> )	( <sup>2</sup> )	.....
32 Cucumbers.....	Bu....	.....	.....	.....	.....	.....	87,701	28.0	( <sup>2</sup> )	( <sup>2</sup> )	.....
33 Beans (green).....	Bu....	.....	.....	.....	.....	.....	292,953	56.1	( <sup>2</sup> )	( <sup>2</sup> )	.....
34 Peas (green).....	Bu....	.....	.....	.....	.....	.....	387,079	36.1	( <sup>2</sup> )	( <sup>2</sup> )	.....
35 Lettuce.....	Bu....	.....	.....	.....	.....	.....	1,190,363	70.4	( <sup>2</sup> )	( <sup>2</sup> )	.....
36 Onions.....	Bu....	.....	.....	.....	.....	.....	2,009,151	71.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
37 Corn (sweet).....	Bu....	.....	.....	.....	.....	.....	197,015	42.9	( <sup>2</sup> )	( <sup>2</sup> )	.....
38 Tomatoes.....	Bu....	.....	.....	.....	.....	.....	2,121,614	59.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
39 Watermelons.....	Bu....	.....	.....	.....	.....	.....	327,028	52.8	( <sup>2</sup> )	( <sup>2</sup> )	.....
40 Asparagus.....	Bu....	.....	.....	.....	.....	.....	1,653,081	62.6	( <sup>2</sup> )	( <sup>2</sup> )	.....
41 Cauliflower.....	Bu....	.....	.....	.....	.....	.....	437,886	68.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
42 Peppers (green).....	Bu....	.....	.....	.....	.....	.....	632,101	83.9	( <sup>2</sup> )	( <sup>2</sup> )	.....
43 Pumpkins.....	Bu....	.....	.....	.....	.....	.....	18,753	48.0	( <sup>2</sup> )	( <sup>2</sup> )	.....
44 Spinach.....	Bu....	.....	.....	.....	.....	.....	128,516	41.1	( <sup>2</sup> )	( <sup>2</sup> )	.....
<b>Miscellaneous crops:</b>											
45 Sugar beets grown for sugar.....	Tons....	7.56	7.51	7.58	100.3	100.9	5,491,551	63.3	839,561	19.5	554.1
46 Cotton.....	Bales....	0.53	0.52	0.53	100.0	101.9	8,891,519	96.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
47 Broom corn.....	Lbs....	363.6	340.0	398.3	109.5	117.1	28,136	44.4	( <sup>2</sup> )	( <sup>2</sup> )	.....
48 Hops.....	Lbs....	1,553.3	1,499.9	1,699.6	109.4	113.3	1,919,644	29.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
<b>Small fruits:</b>											
49 Strawberries.....	Qts....	2,172.9	1,614.3	3,510.9	161.6	217.5	1,028,707	47.6	( <sup>2</sup> )	( <sup>2</sup> )	.....
<b>Orchard fruits:</b>											
50 Apples.....	Bu....	42.5	42.8	41.7	68.0	60.7	2,069,338	17.0	( <sup>2</sup> )	( <sup>2</sup> )	.....
51 Peaches.....	Bu....	41.8	41.7	41.8	100.0	105.9	19,088,970	64.6	( <sup>2</sup> )	( <sup>2</sup> )	.....
52 Pears.....	Bu....	41.7	41.7	41.8	105.9	105.9	3,211,112	45.1	( <sup>2</sup> )	( <sup>2</sup> )	.....
53 Plums and prunes.....	Bu....	41.5	41.4	41.7	113.3	121.4	14,066,478	49.6	( <sup>2</sup> )	( <sup>2</sup> )	.....
54 Cherries.....	Bu....	41.0	40.9	41.1	110.0	122.2	1,805,706	49.0	( <sup>2</sup> )	( <sup>2</sup> )	.....
55 Apricots.....	Bu....	41.6	41.6	41.6	100.0	100.0	5,216,272	44.1	( <sup>2</sup> )	( <sup>2</sup> )	.....
56 Quinces.....	Bu....	41.2	41.0	41.5	125.0	150.0	36,630	58.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
57 Grapes.....	Lbs....	13.4	11.6	15.4	114.9	132.8	36,101,006	54.9	3,038,435	28.0	.....
<b>Subtropical fruits:</b>											
58 Oranges.....	Boxes....	42.1	41.8	42.2	104.8	122.2	58,049,366	86.6	( <sup>2</sup> )	( <sup>2</sup> )	.....
59 Lemons.....	Boxes....	42.3	41.3	42.5	108.7	192.3	10,750,832	88.2	( <sup>2</sup> )	( <sup>2</sup> )	.....
60 Grape fruit (pomeloes).....	Boxes....	42.0	41.9	42.0	100.0	105.3	787,846	84.7	( <sup>2</sup> )	( <sup>2</sup> )	.....
61 Figs.....	Lbs....	443.3	445.6	440.8	94.2	89.5	1,007,455	46.2	( <sup>2</sup> )	( <sup>2</sup> )	.....
62 Alligator pears (avocados).....	Crates....	40.7	40.5	40.7	100.0	140.0	58,352	92.1	( <sup>2</sup> )	( <sup>2</sup> )	.....
63 Dates.....	Lbs....	48.4	49.2	48.2	97.6	89.1	23,662	81.6	( <sup>2</sup> )	( <sup>2</sup> )	.....
64 Olives.....	Lbs....	419.3	414.2	422.9	118.7	161.3	981,181	69.8	( <sup>2</sup> )	( <sup>2</sup> )	.....
65 Japanese persimmons.....	Bu....	41.5	41.4	41.7	113.3	121.4	38,000	44.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
66 Pomegranates.....	Lbs....	439.3	438.1	440.1	102.0	105.2	35,405	61.9	( <sup>2</sup> )	( <sup>2</sup> )	.....
<b>Nuts:</b>											
67 Almonds.....	Lbs....	46.5	46.4	46.9	106.2	107.8	797,703	20.3	( <sup>2</sup> )	( <sup>2</sup> )	.....
68 Walnuts (English or Persian).....	Lbs....	46.4	443.9	449.0	105.6	111.6	9,063,148	51.1	( <sup>2</sup> )	( <sup>2</sup> )	.....

<sup>1</sup> Per cent not shown when more than 1,000.<sup>2</sup> Not reported separately in 1909.<sup>3</sup> Excluding red clover seed (1919).<sup>4</sup> Yield per tree.<sup>5</sup> Yield per vine.



COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910.

[A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.]

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Eldorado.
1	Number of all farms in 1920.....	1,117,670	2,778	21	479	2,219	606	816	1,675	729
2	Number of farms irrigated in 1919.....	67,391	473	18	101	989	306	325	131	303
3	Per cent of all farms.....	57.3	17.0	85.7	21.1	44.6	50.5	39.8	7.8	53.9
4	Number of farms irrigated in 1909.....	39,352	50	32	73	556	154	112	78	244
5	Per cent of increase, 1909-1919.....	71.3	.....	.....	.....	77.9	98.7	190.2	.....	61.1
LAND AND FARM AREA.										
6	Approximate land area.....acres..	1,99,617,280	468,480	406,640	384,640	1,086,720	657,280	729,600	456,960	1,111,680
7	All land in farms.....acres..	1,29,365,667	359,742	10,042	312,106	464,625	366,195	438,417	375,065	240,265
8	Improved land in farms.....acres..	1,11,878,330	185,324	4,306	59,986	253,745	58,957	302,429	238,369	43,413
9	Area irrigated in 1919.....acres..	4,219,040	9,346	4,459	326	93,559	2,850	44,097	33,079	6,731
10	Per cent of improved land in farms.....	35.5	5.0	103.6	0.5	36.9	4.8	14.6	13.9	15.5
11	Area irrigated in 1909.....acres..	2,664,104	1,859	3,349	826	28,754	1,275	4,276	26,856	5,122
12	Per cent of increase, 1909-1919.....	58.4	402.7	33.1	-60.5	225.4	124.2	931.3	23.2	31.4
13	Area enterprises were capable of irrigating in 1920.....acres..	5,894,466	13,357	4,819	489	114,754	33,828	69,149	46,482	9,833
14	Area enterprises were capable of irrigating in 1910.....acres..	3,619,378	1,872	3,399	3,973	115,075	3,161	16,541	32,562	5,501
15	Per cent of increase, 1910-1920.....	62.9	613.5	41.8	-87.7	-0.3	970.2	318.0	42.7	78.7
16	Area included in enterprises in 1920.....acres..	7,805,207	16,543	7,027	1,093	123,524	42,093	88,948	67,876	16,848
17	Area included in enterprises in 1910.....acres..	5,490,360	2,605	3,435	4,139	233,500	3,919	18,783	32,640	20,254
18	Per cent of increase, 1910-1920.....	42.2	535.0	104.6	-73.6	-47.1	974.1	373.6	108.0	-16.9
19	Area of irrigated land reported as available for settlement.....acres..	533,081	.....	.....	.....	4,500	2,960	.....	8,000	.....
IRRIGATION WORKS.										
Independent enterprises:										
20	Number, 1920.....	24,115	264	15	35	197	140	99	56	91
21	Number, 1910.....	13,970	53	21	49	144	150	45	185	50
Main ditches:										
22	Number, 1920.....	6,040	48	18	23	74	144	84	11	82
23	Number, 1910.....	8,590	49	25	55	135	148	38	176	56
24	Length, 1920.....miles..	14,437	12	20	64	225	247	258	186	1,268
25	Length, 1910.....miles..	12,620	21	34	185	270	124	44	172	285
26	Capacity, 1920.....second-feet..	115,237	23	52	53	2,751	466	2,695	339	390
27	Capacity, 1910.....second-feet..	89,597	605	179	255	2,028	206	531	60	445
Laterals:										
28	Number, 1920.....	9,190	142	14	3	181	52	100	111	46
29	Number, 1910.....	6,143	.....	3	12	145	32	10	.....	25
30	Length, 1920.....miles..	12,047	19	1	30	27	131	120	175	110
31	Length, 1910.....miles..	8,509	.....	1	56	170	31	7	.....	55
Reservoirs:										
32	Number, 1920.....	3,030	10	2	18	8	47	2	1	35
33	Number, 1910.....	1,583	52	.....	14	27	29	.....	1	22
34	Capacity, 1920.....acre-feet..	1,091,394	1	4	196	30	10,035	51,000	5	19,966
35	Capacity, 1910.....acre-feet..	743,260	3	.....	309	360	12,029	.....	1	711
Flowing wells:										
36	Number, 1920.....	1,415	.....	.....	.....	.....	5	.....	2	.....
37	Number, 1910.....	2,361	.....	.....	.....	.....	6	.....	1	.....
38	Capacity, 1920.....gallons per minute..	287,187	.....	.....	.....	.....	65	.....	.....	.....
39	Capacity, 1910.....gallons per minute..	477,343	.....	.....	.....	.....	40	.....	143	.....
Pumped wells:										
40	Number, 1920.....	25,401	382	.....	4	153	20	66	49	6
41	Number, 1910.....	10,724	56	.....	.....	46	7	3	26	.....
42	Capacity, 1920.....gallons per minute..	10,608,476	95,329	.....	150	53,890	1,205	48,735	5,897	780
43	Capacity, 1910.....gallons per minute..	4,119,575	3,740	.....	.....	29,686	844	977	1,339	.....
Pumping plants:										
44	Number, 1920.....	21,561	290	.....	9	157	32	103	56	6
45	Number, 1910.....	9,297	57	.....	1	40	9	12	30	.....
46	Engine capacity, 1920.....horsepower..	386,200	3,797	.....	34	2,863	234	6,931	3,230	18
47	Engine capacity, 1910.....horsepower..	128,143	384	.....	5	555	44	516	751	.....
48	Pump capacity, 1920.....gallons per minute..	10,773,692	112,508	.....	1,890	113,036	7,986	528,610	74,004	830
49	Pump capacity, 1910.....gallons per minute..	5,276,298	5,019	.....	100	32,391	1,094	51,365	138,947	.....
50	Average lift, 1920.....feet..	41	40	.....	32	24	41	25	44	37
CAPITAL INVESTED.										
51	Capital invested to Jan. 1, 1920.....dollars..	194,886,388	530,053	40,385	91,295	3,383,646	1,315,617	2,594,164	1,380,210	499,269
52	Capital invested to July 1, 1910.....dollars..	72,580,030	57,156	7,493	265,608	1,231,894	121,033	76,112	90,503	346,039
53	Per cent of increase, 1910-1920.....	168.5	827.4	439.0	-65.6	174.7	987.0	.....	.....	43.9
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars..	33.06	39.68	8.38	186.70	29.49	38.89	37.52	29.69	50.77
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars..	20.05	30.53	2.20	66.85	10.71	38.29	4.60	2.78	63.07
ESTIMATED FINAL COST.										
56	Estimated final cost of existing enterprises in 1920.....dollars..	225,799,123	538,538	41,385	91,295	3,776,271	1,329,119	2,881,964	1,587,960	702,269
57	Estimated final cost of existing enterprises in 1910.....dollars..	84,392,344	57,156	7,493	265,608	1,381,894	121,033	76,112	90,503	346,039
58	Per cent of increase, 1910-1920.....	167.6	842.2	452.3	-65.6	173.3	998.1	.....	.....	102.4
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars..	28.93	32.55	5.89	93.53	30.57	31.58	32.40	23.40	41.68
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars..	15.37	21.94	2.18	64.17	5.92	30.88	4.05	2.77	17.12

¹ Includes Del Norte County, for which no irrigation is reported.



COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910—Continued.

[A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.]

		Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.
1	Number of all farms in 1920.....	8,917	1,320	1,756	2,843	521	2,020	2,171	771	606
2	Number of farms irrigated in 1919.....	7,792	897	53	2,707	329	1,474	1,634	71	306
3	Per cent of all farms.....	87.4	68.0	3.0	95.2	63.1	73.0	75.3	9.2	50.5
4	Number of farms irrigated in 1909.....	5,310	196	33	1,250	408	876	1,126	43	355
5	Per cent of increase, 1909-1910.....	46.7	357.7	.....	116.6	-19.4	68.3	45.1	.....	-13.8
<b>LAND AND FARM AREA.</b>										
6	Approximate land area.....acres..	3,808,000	855,680	2,288,000	2,616,960	6,394,240	5,121,620	741,760	792,320	2,899,840
7	All land in farms.....acres..	1,319,531	524,407	717,174	347,485	140,029	1,497,045	505,553	241,899	741,220
8	Improved land in farms.....acres..	672,591	330,482	98,004	310,708	39,904	390,932	239,039	45,355	140,887
9	Area irrigated in 1919.....acres..	547,587	105,004	355	415,304	74,958	223,593	187,868	1,107	53,884
10	Per cent of improved land in farms.....	81.4	31.2	0.4	133.7	187.8	57.2	72.4	2.4	38.2
11	Area irrigated in 1909.....acres..	402,318	5,061	208	190,711	65,163	190,034	190,949	582	77,079
12	Per cent of increase, 1909-1910.....	36.1	.....	70.7	117.8	15.0	17.7	-1.6	90.2	-30.1
13	Area enterprises were capable of irrigating in 1920.....acres..	838,048	126,992	500	457,815	79,771	329,773	376,906	1,517	71,582
14	Area enterprises were capable of irrigating in 1910.....acres..	560,326	16,804	333	242,000	71,815	217,418	289,523	828	89,815
15	Per cent of increase, 1910-1920.....	49.6	655.7	50.2	89.2	11.1	51.7	30.2	83.2	-20.3
16	Area included in enterprises in 1920.....acres..	1,098,755	202,399	664	530,855	97,998	475,645	490,835	1,831	85,873
17	Area included in enterprises in 1910.....acres..	633,652	220,664	966	375,000	92,319	402,806	310,523	1,268	149,530
18	Per cent of increase, 1910-1920.....	73.4	-8.3	-31.3	41.6	6.2	18.1	58.1	44.4	-42.6
19	Area of irrigated land reported as available for settlement.....acres..	67,667	4,745	.....	1,800	4,300	524	14,000	.....	3,000
<b>IRRIGATION WORKS.</b>										
Independent enterprises:										
20	Number, 1920.....	2,968	213	33	17	87	875	345	70	175
21	Number, 1910.....	975	116	33	9	188	244	77	43	233
Main ditches:										
22	Number, 1920.....	106	86	27	46	56	165	98	38	208
23	Number, 1910.....	254	50	33	12	184	178	27	44	295
24	Length, 1920.....miles..	1,339	181	34	537	132	445	396	18	404
25	Length, 1910.....miles..	831	136	26	117	396	441	137	26	368
26	Capacity, 1920.....second-feet..	10,765	2,515	200	10,575	1,368	6,314	13,586	242	2,732
27	Capacity, 1910.....second-feet..	6,299	1,059	145	3,250	2,752	9,990	4,840	90	2,248
Laterals:										
28	Number, 1920.....	1,044	168	4	395	5	224	323	22	231
29	Number, 1910.....	688	554	4	179	326	118	51	21	263
30	Length, 1920.....miles..	2,003	329	0	2,690	4	140	387	1	114
31	Length, 1910.....miles..	1,354	1,073	2	890	168	257	159	2	116
Reservoirs:										
32	Number, 1920.....	72	9	3	.....	18	536	20	9	31
33	Number, 1910.....	8	12	5	.....	1	51	37	3	29
34	Capacity, 1920.....acre-feet..	141	8	6	.....	1,006	61,183	6,063	181	194,422
35	Capacity, 1910.....acre-feet..	402	45,009	7	.....	11,300	1,601	111	2	169,552
Flowing wells:										
36	Number, 1920.....	59	.....	.....	.....	23	27	13	.....	10
37	Number, 1910.....	3	.....	.....	.....	10	25	75	1	.....
38	Capacity, 1920.....gallons per minute..	18,400	.....	.....	.....	537	17,643	2,180	950	233
39	Capacity, 1910.....gallons per minute..	450	.....	.....	.....	500	12,283	19,436	75	.....
Pumped wells:										
40	Number, 1920.....	2,281	263	.....	1	9	983	498	17	4
41	Number, 1910.....	855	105	2	.....	1	140	20	3	.....
42	Capacity, 1920.....gallons per minute..	1,280,347	176,251	.....	900	4,088	415,412	202,967	5,645	1,305
43	Capacity, 1910.....gallons per minute..	443,024	26,484	105	.....	100	90,618	8,700	272	.....
Pumping plants:										
44	Number, 1920.....	2,130	215	3	1	13	869	340	33	11
45	Number, 1910.....	888	77	1	.....	1	114	18	11	2
46	Engine capacity, 1920.....horsepower..	32,301	9,214	36	38	137	12,504	5,225	241	93
47	Engine capacity, 1910.....horsepower..	8,990	890	3	.....	5	2,846	174	49	90
48	Pump capacity, 1920.....gallons per minute..	1,442,383	1,065,729	2,000	900	4,558	1,219,402	283,339	13,111	6,960
49	Pump capacity, 1910.....gallons per minute..	515,380	62,449	105	.....	100	90,603	12,759	4,577	6,100
50	Average lift, 1920.....feet..	22	23	11	70	24	53	23	18	22
<b>CAPITAL INVESTED.</b>										
51	Capital invested to Jan. 1, 1920.....dollars..	8,067,930	5,586,804	37,298	14,223,585	2,487,561	18,410,752	3,980,358	110,280	519,656
52	Capital invested to July 1, 1910.....dollars..	1,898,460	1,519,561	29,027	4,955,272	962,698	1,788,635	687,381	12,124	884,065
53	Per cent of increase, 1910-1920.....	325.0	267.7	28.5	187.0	158.4	929.8	480.4	850.1	-41.3
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars..	9.63	43.99	74.60	31.07	31.18	55.89	10.58	76.66	7.26
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars..	3.39	90.43	87.17	20.48	13.41	8.23	2.37	14.64	9.85
<b>ESTIMATED FINAL COST.</b>										
56	Estimated final cost of existing enterprises in 1920.....dollars..	9,249,614	7,283,303	37,798	14,323,585	2,607,111	18,829,815	4,362,178	216,346	583,456
57	Estimated final cost of existing enterprises in 1910.....dollars..	1,898,460	3,716,976	29,027	5,884,182	962,698	1,788,635	687,381	12,124	1,034,005
58	Per cent of increase, 1910-1920.....	387.2	95.9	30.2	143.4	170.8	952.7	534.6	.....	-43.6
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars..	8.42	35.98	56.92	26.98	26.00	39.59	8.89	118.16	6.79
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars..	3.00	16.84	30.05	15.69	10.43	4.44	2.21	9.56	6.92



COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910—Continued.

[A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.]

		Los Angeles.	Madera.	Marin.	Mari- posa.	Mendo- cino.	Merced.	Modoc.	Mono.	Monterey.	Napa.
1	Number of all farms in 1920.....	12,444	1,402	718	367	1,759	2,846	743	74	1,712	1,428
2	Number of farms irrigated in 1919.....	9,102	930	14	48	92	2,334	441	66	451	39
3	Per cent of all farms.....	73.1	66.3	1.9	13.1	5.2	82.9	59.4	89.2	26.3	2.7
4	Number of farms irrigated in 1909.....	4,069	158	6	56	39	1,417	437	76	258	36
5	Per cent of increase, 1909-1919.....	94.9	488.6	—	—	—	64.7	0.9	—	74.8	—
<b>LAND AND FARM AREA.</b>											
6	Approximate land area.....acres..	2,633,600	1,351,680	338,560	936,320	2,264,060	1,276,800	2,446,720	1,930,200	2,131,200	501,120
7	All land in farms.....acres..	882,333	536,726	290,148	235,849	923,087	1,122,550	596,757	42,034	1,104,048	203,925
8	Improved land in farms.....acres..	483,096	202,971	87,846	49,587	101,220	506,582	168,251	8,740	398,320	116,723
9	Area irrigated in 1919.....acres..	248,412	100,220	564	66	1,255	212,851	82,845	46,012	47,336	660
10	Per cent of improved land in farms.....	51.4	38.1	0.6	0.1	1.2	42.0	49.2	—	11.9	0.6
11	Area irrigated in 1909.....acres..	145,586	38,705	67	376	371	151,998	82,075	49,027	15,056	1,191
12	Per cent of increase, 1909-1919.....	70.6	158.9	—	—82.4	238.3	40.0	0.9	—6.1	214.4	—44.6
13	Area enterprises were capable of irrigating in 1920.....acres..	319,368	118,672	704	89	11,566	288,157	89,801	89,335	56,153	1,284
14	Area enterprises were capable of irrigating in 1910.....acres..	183,506	51,230	71	546	590	248,670	89,476	50,007	27,176	2,035
15	Per cent of increase, 1910-1920.....	74.0	131.6	—	—83.7	—	15.9	0.4	78.6	106.6	—36.9
16	Area included in enterprises in 1920.....acres..	364,574	161,032	713	109	11,686	457,494	112,206	121,878	59,659	1,405
17	Area included in enterprises in 1910.....acres..	241,794	82,321	71	767	1,365	281,719	124,166	84,973	29,914	2,443
18	Per cent of increase, 1910-1920.....	50.8	95.6	—	—85.8	756.1	62.4	—9.6	43.4	99.4	—42.5
19	Area of irrigated land reported as available for settle- ment.....acres..	6,100	—	—	—	—	212,300	—	40,000	—	—
<b>IRRIGATION WORKS.</b>											
<b>Independent enterprises:</b>											
20	Number, 1920.....	1,863	689	4	9	64	479	378	73	189	32
21	Number, 1910.....	1,567	35	6	48	37	135	388	77	117	35
<b>Main ditches:</b>											
22	Number, 1920.....	414	29	—	6	23	233	470	101	120	6
23	Number, 1910.....	601	34	—	49	33	45	446	85	106	26
24	Length, 1920.....miles..	332	63	—	3	13	684	655	223	108	1
25	Length, 1910.....miles..	800	79	—	21	19	261	637	172	223	8
26	Capacity, 1920.....second-feet..	5,059	2,066	—	6	80	3,072	3,078	1,526	528	20
27	Capacity, 1910.....second-feet..	2,206	1,515	21	28	49	4,478	2,907	1,243	1,903	25
<b>Laterals:</b>											
28	Number, 1920.....	621	34	—	—	28	763	175	15	398	—
29	Number, 1910.....	494	30	—	—	8	353	490	101	23	—
30	Length, 1920.....miles..	221	129	—	—	365	552	101	14	98	—
31	Length, 1910.....miles..	500	294	—	—	6	352	175	65	32	—
<b>Reservoirs:</b>											
32	Number, 1920.....	411	107	1	3	10	64	71	12	9	3
33	Number, 1910.....	279	3	1	8	7	10	32	—	10	3
34	Capacity, 1920.....acre-feet..	37,691	418	3	—	296	20,651	80,285	44,740	54	1
35	Capacity, 1910.....acre-feet..	993	12,341	1	3	10	15,003	33,993	—	2	13
<b>Flowing wells:</b>											
36	Number, 1920.....	123	8	1	—	—	13	71	—	1	1
37	Number, 1910.....	376	—	—	—	—	29	45	—	—	—
38	Capacity, 1920.....gallons per minute..	41,336	2,100	—	—	—	3,212	5,607	—	400	1,000
39	Capacity, 1910.....gallons per minute..	70,818	—	—	—	—	2,567	1,256	—	—	—
<b>Pumped wells:</b>											
40	Number, 1920.....	2,223	753	7	—	14	543	7	10	606	11
41	Number, 1910.....	1,073	33	1	2	6	78	2	—	102	2
42	Capacity, 1920.....gallons per minute..	1,131,797	189,455	308	—	1,859	299,395	675	5,919	407,310	9,005
43	Capacity, 1910.....gallons per minute..	871,143	26,518	150	43	2,296	52,008	44	—	196,230	300
<b>Pumping plants:</b>											
44	Number, 1920.....	1,854	701	4	—	39	539	11	9	203	31
45	Number, 1910.....	1,361	25	6	2	10	108	2	—	124	17
46	Engine capacity, 1920.....horsepower..	45,752	8,307	19	—	481	6,094	146	214	9,631	314
47	Engine capacity, 1910.....horsepower..	30,632	604	48	1	65	1,505	2	—	5,338	115
48	Pump capacity, 1920.....gallons per minute..	1,166,131	399,483	325	—	18,424	349,580	3,250	5,919	406,617	21,120
49	Pump capacity, 1910.....gallons per minute..	872,718	26,518	1,100	49	3,686	93,239	44	—	260,513	7,751
50	Average lift, 1920.....feet..	60	33	27	—	33	22	30	—	34	24
<b>CAPITAL INVESTED.</b>											
51	Capital invested to Jan. 1, 1920.....dollars..	21,038,616	1,351,854	15,731	3,786	582,640	6,614,674	663,660	5,679,375	2,450,643	70,168
52	Capital invested to July 1, 1910.....dollars..	7,817,023	512,098	3,380	13,440	30,297	3,748,211	301,040	64,282	495,916	53,948
53	Per cent of increase, 1910-1920.....	169.1	164.0	365.4	—71.8	—	76.5	120.5	—	394.2	30.1
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars..	65.88	11.39	22.35	42.54	50.38	22.96	7.39	63.57	43.64	54.65
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars..	42.60	10.00	47.61	24.62	51.35	15.07	3.36	1.29	18.25	26.51
<b>ESTIMATED FINAL COST.</b>											
56	Estimated final cost of existing enterprises in 1920.....dollars..	23,271,909	1,366,599	15,731	3,786	588,040	13,106,429	760,435	7,045,875	2,460,643	72,668
57	Estimated final cost of existing enterprises in 1910.....dollars..	9,266,023	512,098	3,380	13,440	30,297	3,748,211	316,040	64,282	578,916	53,948
58	Per cent of increase, 1910-1920.....	151.2	166.9	365.4	—71.8	—	249.7	140.6	—	325.0	34.7
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars..	63.83	8.49	22.06	34.73	50.32	28.65	6.78	57.81	41.25	51.72
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars..	38.32	6.22	47.61	17.52	22.20	13.30	2.55	0.70	19.35	22.08



COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910—Continued.

[A minus sign (—) denotes decrease. Per cent not shown when base is less than 100.]

		Nevada.	Orange.	Placer.	Plumas.	River- side.	Sacra- mento.	San Benito.	San Ber- nardino.	San Diego.	San Francisco.
1	Number of all farms in 1920.....	481	4,188	1,280	150	3,949	2,975	945	4,023	3,200	74
2	Number of farms irrigated in 1919.....	311	3,846	814	108	2,670	1,747	349	3,350	1,698	23
3	Per cent of all farms.....	64.7	91.8	63.6	72.0	67.6	58.7	36.9	83.3	53.1	31.1
4	Number of farms irrigated in 1909.....	300	2,215	618	151	2,174	1,053	240	2,463	890	25
5	Per cent of increase, 1909-1919.....	3.7	73.6	31.7	-28.5	22.8	65.9	45.4	36.0	90.8	.....
<b>LAND AND FARM AREA.</b>											
6	Approximate land area.....acres..	623,360	598,800	903,040	1,659,520	4,622,720	629,120	890,880	12,912,000	2,701,440	26,880
7	All land in farms.....acres..	198,441	325,703	233,153	101,653	676,293	555,503	539,378	415,738	925,192	1,295
8	Improved land in farms.....acres..	26,196	200,945	136,455	34,223	348,538	399,024	122,603	175,272	262,646	840
9	Area irrigated in 1919.....acres..	3,441	87,330	27,520	22,852	106,212	72,060	12,468	105,306	24,996	372
10	Per cent of improved land in farms.....	13.1	43.5	20.2	66.8	30.5	18.3	10.2	60.1	9.5	44.3
11	Area irrigated in 1909.....acres..	3,839	55,056	16,845	36,602	71,436	53,683	7,186	70,278	24,944	383
12	Per cent of increase, 1909-1919.....	-10.4	58.6	63.4	-37.6	48.7	35.9	73.5	40.8	0.2	-2.9
13	Area enterprises were capable of irrigating in 1920.....acres..	5,002	102,076	27,520	25,478	128,788	103,271	17,186	120,798	32,148	412
14	Area enterprises were capable of irrigating in 1910.....acres..	4,259	63,485	23,365	37,529	103,233	69,970	13,790	86,107	31,205	383
15	Per cent of increase, 1910-1920.....	17.4	60.8	17.8	-32.1	24.3	47.6	24.6	40.3	3.0	7.6
16	Area included in enterprises in 1920.....acres..	5,601	113,026	40,000	25,265	226,927	141,275	23,017	184,024	68,401	412
17	Area included in enterprises in 1910.....acres..	5,267	71,444	61,751	37,901	210,452	74,588	20,067	152,415	45,535	383
18	Per cent of increase, 1910-1920.....	6.3	58.2	-35.2	-25.4	7.8	89.4	14.7	20.7	50.2	7.6
19	Area of irrigated land reported as available for settle- ment.....acres..	.....	.....	.....	.....	11,240	15,086	1,700	.....	7,500	.....
<b>IRRIGATION WORKS.</b>											
Independent enterprises:											
20	Number, 1920.....	96	1,012	64	162	807	1,159	217	622	637	33
21	Number, 1910.....	103	619	35	127	610	889	109	521	384	39
Main ditches:											
22	Number, 1920.....	98	34	38	116	91	134	88	96	50	.....
23	Number, 1910.....	110	309	35	147	301	213	64	291	288	24
24	Length, 1920.....miles..	342	82	131	135	235	269	64	141	137	.....
25	Length, 1910.....miles..	236	180	194	201	500	238	61	466	259	7
26	Capacity, 1920.....second-feet..	454	780	657	1,369	2,649	1,937	264	1,291	1,653	.....
27	Capacity, 1910.....second-feet..	372	876	437	1,176	2,825	1,556	366	1,315	1,464	11
Laterals:											
28	Number, 1920.....	33	116	53	213	231	254	80	81	107	.....
29	Number, 1910.....	46	115	46	62	262	5	12	237	244	.....
30	Length, 1920.....miles..	3	73	216	60	106	148	29	30	18	.....
31	Length, 1910.....miles..	32	246	108	16	288	8	33	283	140	.....
Reservoirs:											
32	Number, 1920.....	25	27	17	1	201	7	19	99	134	.....
33	Number, 1910.....	24	19	29	.....	131	2	6	83	68	27
34	Capacity, 1920.....acre-feet..	50,021	1,044	10,112	240	113,996	698	5,996	1,369	22,142	.....
35	Capacity, 1910.....acre-feet..	26,438	189	53,354	.....	58,440	352	5,302	96,969	20,845	2
Flowing wells:											
36	Number, 1920.....	3	365	.....	6	306	.....	4	124	5	1
37	Number, 1910.....	.....	588	.....	3	553	.....	.....	70	.....	.....
38	Capacity, 1920.....gallons per minute..	38	34,199	.....	476	66,110	.....	600	20,310	231	.....
39	Capacity, 1910.....gallons per minute..	.....	92,089	.....	504	90,331	.....	.....	21,825	.....	.....
Pumped wells:											
40	Number, 1920.....	5	1,151	31	.....	837	1,433	365	675	1,122	48
41	Number, 1910.....	5	580	2	.....	792	1,168	87	449	438	39
42	Capacity, 1920.....gallons per minute..	140	549,010	4,532	.....	378,010	480,229	104,860	400,293	147,860	1,725
43	Capacity, 1910.....gallons per minute..	48	200,947	289	.....	289,472	260,303	25,822	200,747	110,807	4,444
Pumping plants:											
44	Number, 1920.....	8	1,002	44	2	628	1,465	183	583	651	48
45	Number, 1910.....	4	433	5	.....	405	1,192	54	402	363	39
46	Engine capacity, 1920.....horsepower..	38	24,495	276	170	15,473	17,283	4,009	20,120	5,190	154
47	Engine capacity, 1910.....horsepower..	12	8,575	30	.....	11,067	5,059	677	10,700	2,857	89
48	Pump capacity, 1920.....gallons per minute..	464	604,759	8,131	9,000	404,046	788,172	114,360	423,835	161,517	1,807
49	Pump capacity, 1910.....gallons per minute..	848	286,003	1,284	.....	346,788	335,666	29,452	233,136	112,256	4,444
50	Average lift, 1920.....feet..	31	51	29	10	58	28	34	82	52	83
<b>CAPITAL INVESTED.</b>											
51	Capital invested to Jan. 1, 1920.....dollars..	1,190,790	6,501,903	1,162,774	226,717	12,473,520	3,810,695	754,861	8,738,603	4,948,939	70,831
52	Capital invested to July 1, 1910.....dollars..	1,569,028	1,948,246	2,798,740	107,118	5,648,469	1,462,471	177,924	9,416,960	3,753,127	21,975
53	Per cent of increase, 1910-1920.....	-24.1	233.7	-58.5	111.7	120.8	162.4	324.3	-7.2	31.9	222.3
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars..	238.06	63.70	42.25	8.90	96.85	36.90	43.92	72.34	153.94	171.92
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars..	368.40	30.69	119.78	2.85	54.72	20.76	12.90	106.36	120.27	57.38
<b>ESTIMATED FINAL COST.</b>											
56	Estimated final cost of existing enterprises in 1920.....dollars..	1,190,790	6,758,018	1,163,209	226,717	14,796,051	4,291,620	767,701	8,938,516	5,592,954	70,831
57	Estimated final cost of existing enterprises in 1910.....dollars..	1,569,028	1,948,246	2,798,740	107,118	5,698,469	1,462,471	267,924	13,038,449	3,767,127	21,975
58	Per cent of increase, 1910-1920.....	-24.1	246.9	-58.4	111.7	159.6	195.5	186.5	-31.4	48.5	222.3
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars..	212.60	59.79	29.08	8.02	65.20	30.38	33.35	48.57	81.77	171.92
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars..	297.90	27.27	45.32	2.83	27.08	19.47	13.35	85.55	82.73	57.38



COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910—Continued.

[A minus sign (—) denotes decrease. Per cent not shown when base is less than 100.]

		San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
1	Number of all farms in 1920.....	4,500	1,803	624	1,485	5,016	1,759	949	77	1,052	1,358
2	Number of farms irrigated in 1919.....	3,047	143	205	437	2,649	145	598	62	584	278
3	Per cent of all farms.....	67.7	7.9	32.9	29.4	52.8	8.2	63.0	80.5	55.5	20.5
4	Number of farms irrigated in 1909.....	1,452	91	75	137	1,101	106	639	94	636	150
5	Per cent of increase, 1909-1919.....	109.8	—	—	219.0	140.6	36.8	—6.4	—	—8.2	85.3
<b>LAND AND FARM AREA.</b>											
6	Approximate land area.....acres..	926,720	2,133,760	286,080	1,753,600	849,920	278,400	2,499,120	590,720	4,003,840	526,080
7	All land in farms.....acres..	703,308	1,377,536	117,109	809,781	576,812	144,751	665,235	60,667	537,390	408,288
8	Improved land in farms.....acres..	599,403	402,269	77,736	210,353	206,890	67,838	103,470	21,607	166,621	209,264
9	Area irrigated in 1919.....acres..	183,923	5,302	7,142	10,335	70,312	1,294	50,215	15,292	65,602	23,650
10	Per cent of improved land in farms.....	30.7	1.3	9.2	7.8	34.0	1.9	48.5	70.8	39.4	7.9
11	Area irrigated in 1909.....acres..	59,811	1,687	3,648	12,012	37,637	1,201	33,004	17,504	60,301	3,610
12	Per cent of increase, 1909-1919.....	207.5	214.3	95.8	86.0	86.8	7.7	52.1	—12.6	8.8	55.1
13	Area enterprises were capable of irrigating in 1920.....acres..	231,125	10,872	8,164	34,408	75,348	2,069	58,903	15,873	70,987	28,702
14	Area enterprises were capable of irrigating in 1910.....acres..	77,083	2,416	3,653	13,572	50,939	1,813	36,564	17,505	66,866	7,180
15	Per cent of increase, 1910-1920.....	199.8	350.0	123.5	153.5	47.9	57.6	61.1	—9.3	6.2	300.9
16	Area included in enterprises in 1920.....acres..	324,404	11,229	9,449	37,795	86,761	2,700	110,382	18,547	130,654	36,078
17	Area included in enterprises in 1910.....acres..	173,563	2,539	3,983	13,603	60,140	2,232	72,653	18,249	79,161	8,192
18	Per cent of increase, 1910-1920.....	86.9	342.3	137.2	177.8	44.3	21.0	51.9	1.6	65.0	340.4
19	Area of irrigated land reported as available for settle- ment.....acres..	—	—	—	—	—	—	15,000	—	2,300	—
<b>IRRIGATION WORKS.</b>											
Independent enterprises:											
20	Number, 1920.....	1,233	128	206	275	1,561	67	326	70	455	251
21	Number, 1910.....	1,206	65	85	108	842	97	472	100	572	132
Main ditches:											
22	Number, 1920.....	256	38	15	55	26	11	385	87	714	36
23	Number, 1910.....	298	51	57	76	458	81	446	119	595	20
24	Length, 1920.....miles..	1,089	20	7	31	30	2	550	80	850	45
25	Length, 1910.....miles..	308	42	58	75	228	41	678	150	688	22
26	Capacity, 1920.....second-feet..	2,609	53	13	312	328	7	3,970	282	4,255	111
27	Capacity, 1910.....second-feet..	5,415	84	458	140	1,611	101	3,150	2,304	2,576	101
Laterals:											
28	Number, 1920.....	417	5	54	47	8	1	118	48	316	52
29	Number, 1910.....	49	5	—	4	39	—	130	4	172	—
30	Length, 1920.....miles..	838	—	—	7	—	—	151	15	109	35
31	Length, 1910.....miles..	192	3	—	5	—	—	81	1	41	—
Reservoirs:											
32	Number, 1920.....	25	15	157	83	8	10	12	1	29	4
33	Number, 1910.....	73	8	3	32	142	55	10	3	20	3
34	Capacity, 1920.....acre-feet..	36,037	21	1,244	14,052	21	38	6,312	—	4,591	—
35	Capacity, 1910.....acre-feet..	134,014	52	33	13	9	1,228	3,903	8	107	1
Flowing wells:											
36	Number, 1920.....	3	19	17	33	80	1	3	—	8	4
37	Number, 1910.....	—	4	—	7	438	2	2	—	—	—
38	Capacity, 1920.....gallons per minute..	180	3,808	25,723	4,341	13,075	125	150	—	1,350	—
39	Capacity, 1910.....gallons per minute..	—	70	—	250	110,816	10	290	—	—	—
Pumped wells:											
40	Number, 1920.....	1,376	161	229	206	2,159	44	4	1	26	322
41	Number, 1910.....	1,618	12	40	113	800	58	34	—	3	125
42	Capacity, 1920.....gallons per minute..	630,697	35,832	27,009	101,925	649,247	11,076	1,340	600	9,995	145,982
43	Capacity, 1910.....gallons per minute..	432,281	4,416	3,956	24,520	287,668	8,383	6,550	—	250	70,338
Pumping plants:											
44	Number, 1920.....	1,371	119	251	235	1,572	59	51	1	45	281
45	Number, 1910.....	1,304	31	59	65	587	70	61	—	10	127
46	Engine capacity, 1920.....horsepower..	15,987	1,692	2,219	5,657	33,721	685	594	—	2,003	4,547
47	Engine capacity, 1910.....horsepower..	7,582	155	421	1,442	9,404	384	418	—	69	1,862
48	Pump capacity, 1920.....gallons per minute..	907,860	62,519	26,400	543,273	780,874	19,378	47,896	500	125,674	199,892
49	Pump capacity, 1910.....gallons per minute..	553,134	12,116	8,341	37,135	338,915	16,324	31,037	—	1,217	100,715
50	Average lift, 1920.....feet..	28	25	78	51	56	42	17	6	40	34
<b>CAPITAL INVESTED.</b>											
51	Capital invested to Jan. 1, 1920.....dollars..	7,432,763	304,119	488,856	1,418,022	4,364,803	388,145	3,020,700	100,810	1,589,073	535,348
52	Capital invested to July 1, 1910.....dollars..	1,689,720	32,311	90,921	370,186	1,337,216	70,621	430,766	69,650	370,627	135,532
53	Per cent of increase, 1910-1920.....	339.9	841.2	437.7	283.1	226.4	406.6	601.2	44.7	328.8	295.0
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars..	32.16	27.97	59.88	41.21	57.93	187.60	51.28	6.35	22.39	18.65
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars..	21.92	13.37	24.89	27.28	26.25	58.36	11.78	3.98	5.54	18.93
<b>ESTIMATED FINAL COST.</b>											
56	Estimated final cost of existing enterprises in 1920.....dollars..	7,516,640	317,729	491,356	1,498,233	4,551,153	388,645	3,344,079	101,940	1,814,803	500,348
57	Estimated final cost of existing enterprises in 1910.....dollars..	3,324,720	32,311	90,921	370,186	1,337,216	70,621	440,766	69,650	370,627	135,532
58	Per cent of increase, 1910-1920.....	126.1	883.3	440.4	304.7	240.3	407.2	658.7	46.4	389.7	313.4
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars..	23.17	28.30	52.00	39.64	52.46	143.94	30.30	5.50	13.89	15.53
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars..	19.16	12.73	22.83	27.21	22.24	34.33	6.07	3.82	4.63	16.54



COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910—Continued.

[A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.]

	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
1 Number of all farms in 1920.....	5,739	4,566	1,437	1,414	377	6,372	363	1,543	1,613	487
2 Number of farms irrigated in 1919.....	113	4,091	669	640	217	5,184	149	818	688	242
3 Per cent of all farms.....	2.0	89.6	46.6	45.3	57.0	81.4	41.0	53.0	42.7	49.7
4 Number of farms irrigated in 1909.....	38	1,911	39	366	201	3,048	157	489	333	112
5 Per cent of increase, 1909-1919.....	114.1	.....	.....	74.9	8.0	70.1	-5.1	67.3	106.6	116.1
<b>LAND AND FARM AREA.</b>										
6 Approximate land area.....acres..	1,012,480	928,000	359,120	1,872,000	1,981,440	3,107,840	1,401,600	1,189,120	648,660	404,480
7 All land in farms.....acres..	748,147	748,678	288,940	1,124,502	130,200	1,084,234	220,730	384,865	398,165	228,797
8 Improved land in farms.....acres..	251,730	477,871	232,070	232,722	15,078	544,598	35,380	189,924	300,004	98,997
9 Area irrigated in 1919.....acres..	2,126	197,249	47,305	23,153	5,810	398,662	2,892	31,716	42,493	20,773
10 Per cent of improved land in farms.....	0.8	41.3	20.4	9.9	38.5	73.2	8.2	16.7	14.2	21.0
11 Area irrigated in 1909.....acres..	631	84,015	1,173	14,281	6,324	265,404	2,035	25,273	11,754	3,073
12 Per cent of increase, 1909-1919.....	236.9	134.8	.....	62.1	-8.1	50.2	42.1	25.5	261.5	576.0
13 Area enterprises were capable of irrigating in 1920.....acres..	3,091	309,362	96,984	39,415	9,041	658,386	2,943	35,875	65,440	24,049
14 Area enterprises were capable of irrigating in 1910.....acres..	761	141,785	1,361	23,167	7,127	337,938	2,083	49,407	14,697	6,401
15 Per cent of increase, 1910-1920.....	306.2	118.2	.....	70.1	26.9	94.8	41.3	-27.4	345.3	275.7
16 Area included in enterprises in 1920.....acres..	11,256	375,270	102,945	44,670	15,010	764,733	25,371	50,737	104,716	71,995
17 Area included in enterprises in 1910.....acres..	951	340,914	1,959	36,020	9,513	466,735	5,958	56,357	55,967	46,322
18 Per cent of increase, 1910-1920.....	.....	10.1	.....	24.0	57.8	63.8	325.8	-10.0	87.1	55.4
19 Area of irrigated land reported as available for settlement.....acres..	.....	77,833	.....	2,900	.....	2,700	.....	.....	20,906	6,720
<b>IRRIGATION WORKS.</b>										
Independent enterprises:										
20 Number, 1920.....	93	106	487	333	222	3,570	53	130	254	78
21 Number, 1910.....	40	27	21	270	193	908	61	189	47	39
Main ditches:										
22 Number, 1920.....	5	94	67	150	261	211	50	23	28	67
23 Number, 1910.....	32	23	13	136	208	752	62	148	8	36
24 Length, 1920.....miles..	2	607	100	193	245	770	63	42	139	188
25 Length, 1910.....miles..	21	153	6	164	228	1,033	153	177	87	128
26 Capacity, 1920.....second-feet..	6	6,150	1,108	1,111	1,536	8,018	251	169	1,641	786
27 Capacity, 1910.....second-feet..	14	3,074	27	1,325	802	6,526	245	627	214	398
Laterals:										
28 Number, 1920.....	2	914	201	97	55	432	32	48	43	43
29 Number, 1910.....	.....	34	.....	41	41	577	11	53	8	13
30 Length, 1920.....miles..	.....	1,074	182	226	15	1,252	130	30	155	105
31 Length, 1910.....miles..	.....	274	.....	40	13	620	24	87	83	87
Reservoirs:										
32 Number, 1920.....	4	4	4	14	41	527	15	23	3	9
33 Number, 1910.....	3	5	6	43	30	63	9	32	5	5
34 Capacity, 1920.....acre-feet..	.....	75,156	2	185	90,458	112,806	6,086	2,749	151	6,651
35 Capacity, 1910.....acre-feet..	1	30,016	1	311	427	1,326	10	80	2	80
Flowing wells:										
36 Number, 1920.....	1	1	2	.....	.....	73	.....	42	.....	.....
37 Number, 1910.....	.....	.....	.....	1	.....	29	2	32	.....	.....
38 Capacity, 1920.....gallons per minute..	.....	400	800	.....	.....	7,173	.....	11,435	.....	.....
39 Capacity, 1910.....gallons per minute..	.....	.....	.....	8	.....	35,513	14	17,455	.....	.....
Pumped wells:										
40 Number, 1920.....	78	100	742	281	5	4,515	2	140	285	49
41 Number, 1910.....	11	3	18	141	1	794	4	157	58	11
42 Capacity, 1920.....gallons per minute..	28,381	84,205	319,535	96,585	605	1,776,335	25	80,734	166,698	30,551
43 Capacity, 1910.....gallons per minute..	6,831	950	6,616	16,275	750	237,420	10	64,829	29,409	1,605
Pumping plants:										
44 Number, 1920.....	98	114	628	261	12	3,758	4	105	278	41
45 Number, 1910.....	27	21	19	165	3	739	7	126	46	11
46 Engine capacity, 1920.....horsepower..	614	4,803	10,541	2,190	69	45,032	12	5,592	8,852	2,365
47 Engine capacity, 1910.....horsepower..	134	707	124	751	34	7,804	89	2,976	981	62
48 Pump capacity, 1920.....gallons per minute..	33,524	232,785	826,650	106,285	3,990	2,331,179	25	94,130	549,814	29,852
49 Pump capacity, 1910.....gallons per minute..	16,763	185,950	6,616	39,680	1,920	244,318	765	72,704	69,604	1,605
50 Average lift, 1920.....feet..	19	31	21	27	15	43	30	82	26	24
<b>CAPITAL INVESTED.</b>										
51 Capital invested to Jan. 1, 1920.....dollars..	107,314	9,639,519	2,931,118	1,048,959	206,875	12,529,432	965,667	2,601,027	2,003,591	1,486,598
52 Capital invested to July 1, 1910.....dollars..	13,801	4,051,870	18,800	263,055	173,414	5,634,379	180,474	2,262,205	311,660	198,268
53 Per cent of increase, 1910-1920.....	677.6	137.9	.....	298.8	19.3	122.4	435.1	19.0	542.9	648.8
54 Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars..	34.72	31.16	30.22	26.61	22.88	19.03	328.12	75.01	30.62	61.82
55 Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars..	18.14	28.58	13.81	11.35	24.33	16.67	80.64	45.79	21.21	30.97
<b>ESTIMATED FINAL COST.</b>										
56 Estimated final cost of existing enterprises in 1920.....dollars..	125,064	17,066,504	3,239,043	1,081,145	215,025	12,973,985	965,667	3,066,027	3,629,826	1,981,373
57 Estimated final cost of existing enterprises in 1910.....dollars..	13,801	5,326,870	18,800	342,555	173,414	5,643,379	180,474	2,317,205	311,660	198,268
58 Per cent of increase, 1910-1920.....	866.2	219.3	.....	215.6	24.0	129.9	435.1	32.3	.....	890.3
59 Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars..	11.11	45.32	31.46	24.20	14.33	16.97	38.06	60.43	34.06	27.52
60 Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars..	14.51	15.63	9.60	9.51	18.23	12.09	30.29	41.12	5.57	4.28



# DRAINAGE—CALIFORNIA.

## INTRODUCTION.

The following pages present the statistics of drainage for California collected at the census of 1920. The figures relate to conditions on January 1, 1920, except where indicated otherwise. No census of drainage has been taken heretofore, so there are no comparable figures for previous years. The data relate to the artificial drainage of land in farms, and of other land that ultimately will be used for agricultural purposes. The organized drainage enterprises may include areas of timbered and other unimproved land not yet

in farms. The statistics for drainage on farms were collected in the general census of agriculture, while the statistics for drainage enterprises were obtained in a special canvass of those enterprises. Since drainage on farms may be either inside or outside an organized enterprise, and the drains that each individual owner installs upon his own farm may be either supplemental to or entirely independent of the works installed by an enterprise, the figures for the two parts of the drainage census are presented separately.

TABLE 1.—SUMMARY FOR THE STATE: 1920.

ITEM.	Amount.	Per cent of total.
<b>DRAINAGE ON FARMS.</b>		
Number of all farms in the state.....	117, 670	100. 0
Farms reporting land having drainage.....	5, 078	4. 3
Farms reporting land needing drainage.....	3, 187	2. 7
All land in farms..... acres..	29, 365, 667	100. 0
Improved land in farms..... acres..	11, 878, 339	40. 4
Farm land reported as provided with drainage..... acres..	813, 960	2. 8
Farm land reported as needing drainage..... acres..	286, 320	1. 0
Needing drainage only..... acres..	92, 808	0. 3
Needing drainage and clearing..... acres..	193, 512	0. 7
<b>DRAINAGE ENTERPRISES.</b>		
Approximate land area of the state..... acres..	99, 617, 280	100. 0
All land in operating drainage enterprises..... acres..	1, 108, 319	1. 1
Improved land..... acres..	1, 038, 835	1. 0
Per cent of all improved land in farms.....	8. 7	
Timber and cut-over land..... acres..	12, 263	( <sup>1</sup> )
Other unimproved land..... acres..	57, 221	0. 1
Swampy, subject to overflow, seeped, or alkali..... acres..	45, 163	( <sup>1</sup> )
Suffering a loss of crops from defective drainage..... acres..	42, 209	( <sup>1</sup> )
Improved land prior to drainage..... acres..	350, 148	0. 4
Increase since drainage began..... acres..	688, 687	0. 7
Land in nonoperating enterprises..... acres..	12, 900	( <sup>1</sup> )
Open ditches in operating enterprises..... miles..	3, 214. 2	100. 0
Completed..... miles..	3, 009. 8	93. 6
Additional under construction..... miles..	204. 4	6. 4
Tile drains in operating enterprises..... miles..	108. 6	100. 0
Completed..... miles..	85. 6	78. 8
Additional under construction..... miles..	23. 0	21. 2
Total capital invested in and required for completion of operating enterprises.....	\$54, 021, 627	100. 0
Capital invested in these enterprises to Dec. 31, 1919.....	47, 687, 153	88. 3
Additional capital required to complete these enterprises.....	6, 334, 474	11. 7
Average cost per acre when completed.....	48. 74	

<sup>1</sup>Less than one-tenth of 1 per cent.



APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES.





## DRAINAGE ON FARMS.

**Explanation of terms.**—To secure uniformity in the returns relating to drainage on farms, the Bureau of the Census supplied its enumerators with certain definitions, which are substantially as follows:

**Drainage of agricultural land** was defined, for census purposes, as the act or process of drawing off an excess of water by underground conduits, pipes, or tiles; or by open or covered trenches in the surface of the ground, for the purpose of improving the condition of the soil and crops.

**The area provided with drainage, in farms,** is the acreage actually benefited or made of more value for agricultural purposes by artificial drainage, but does not include land on which only temporary work has been done, such as "bedding" the fields or laying out "dead furrows" to hasten the surface flow.

**The area needing drainage, in farms,** comprises the additional land not now suitable for crops which could be made available for cultivation (1) "by drainage only," which is the acreage needing no clearing or which is covered with grass, weeds, or other annual growth, and (2) "by drainage and clearing," which is the acreage covered with trees, stumps, or perennial woody shrubs.

**Improved land in farms** includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

**Woodland in farms** includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

**Farms in drainage and levee districts** are those for which the operators have answered affirmatively the question, "Has any part of this farm been afforded drainage or protection against overflow by a drainage or levee district, or by the state, the county, or a private company or individual." Levee districts, however, generally are not included in the enterprises for which data are given in this report (see definition of drainage enterprises, below).

**Farms and farm land.**—The acreage shown for drainage on farms represents land where drainage is actually in operation and which has actually become more fully available for growing crops by reason of the drainage. This is to be distinguished from the area merely provided with outlet facilities by organized drainage enterprises. Drainage on farms represents in most cases the result of work done by the farm owner, either independently or supplemental to the work done by a drainage enterprise, but the acreage would include also any farm land receiving similar benefits directly from the works of an enterprise.

## DRAINAGE ENTERPRISES.

**Explanation of terms.**—The more important terms used in connection with the census of drainage enterprises were defined as follows:

**Drainage enterprises** comprise public corporations and local improvement districts formed under state laws, commercial enterprises draining swamp or overflowed land for sale, other organizations that may be engaged in extensive land-drainage work, and also tracts of 500 acres or more drained by individual owners. Enterprises such as levee districts that have not authorized the construction of open ditches or tile drains are not included.

**Enterprises located in more than one county** were divided, for tabulation, and the part in each county treated as a separate enterprise, though the capacities of drainage pumping plants are given only in the counties in which the plants are located.

**Operating enterprises,** as designated in this bulletin, are those that had completed the drainage works authorized, or had at any rate begun actual construction work, on or before January 1, 1920; enterprises that had been established but had not begun construction are termed "nonoperating."

**Land in drainage enterprises** comprises the area that has been benefited or is to be benefited by the improvement works constructed by the enterprises. In the case of overlapping enterprises, deduction has been made for the amount of duplication.

All land in drainage enterprises is divided, without regard to drainage condition, into (a) improved land; (b) timber and cut-over land, which would require clearing to be thoroughly fit for cultivation; and (c) all other unimproved land, which would not require expensive clearing before cultivation.

**The assessed acreage** for any single enterprise is the same as the area in that enterprise. However, the total assessed acreage may be considerably greater than the total land in enterprises, for in summing up the assessed acreage in the county or state, deduction was not made for acreage assessed in more than one enterprise.

**Improved land in drainage enterprises** consists very largely of improved farm land, though it may include some other improved land receiving benefit from the works of the enterprises.

**Timber and cut-over land** includes farm woodland of natural or planted forest trees as well as other timber land or areas that would need clearing of trees, stumps, or perennial woody shrubs.

**Land designated as swampy or subject to overflow** includes all land permanently or generally too wet for cultivation, land subject to periodical inundation by stream floods, seeped and alkali land in irrigated regions, and all other land unfit for cultivation by reason of insufficient drainage. This classification is without respect to the conditions as to improvement or timber.

**The area suffering loss of crops** is intended to include only land devoted to planted crops which suffer damage, either partial or complete, because of defective drainage. Land which would be cultivated if drained or protected against overflow is not included.

**Capital invested,** for the purpose of this investigation, was defined as cost, including charges for engineering, organization, rights of way, construction of drainage works, damages, land and buildings except those held for sale or farming, and any other expenditures properly chargeable to drainage and paid by the enterprise.

**The drainage works of an enterprise** include all varieties of underground conduits, pipes, or lines of tile, or drains of stone, wood, or other material; also open ditches and canals, together with accessory levees, dikes, dams, weirs, pumping machinery, gates, and other devices for the draining away or control of surface and soil waters.

**Tile,** as the term is here used, includes pipes of earthenware, concrete, or other material buried beneath the surface in such a way as to permit the excess water to flow away. The size, if circular, is expressed by the inside diameter in inches.

**Ditches** include all open artificial trenches, usually with sloping sides. The width is that of the bottom.

**The type of drainage** shows whether the drainage water from an enterprise is discharged by gravity or by pumping.

**A pumping district** is one where all or a part of the water from the drains collecting at a low point must be raised by some form of machinery in order that it may be removed from the area.

**Drainage pumps** include all kinds of machinery and devices for lifting the drainage water.

**Pumping engines** include all kinds of engines and motors for operating the drainage pumps.



**Operating and nonoperating enterprises.**—In most of the tables that follow, statistics are given for operating enterprises only. These enterprises, as already defined, include both those which have completed their drainage works and those with such works under construction; among the latter might be any that had completed the original plan of reclamation some years ago but were constructing extensions or enlargements on January 1, 1920. The nonoperating enterprises have a legal existence, though they have not yet accomplished any drainage. They may include districts that on the census date had completed their plans, sold bonds to cover the cost of the undertakings and let contracts for the construction work, and also districts that had just been established by order of the county supervisors and were still subject to considerable change in area, plan of drainage works, and cost.

TABLE 2.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED AS BETWEEN OPERATING AND NONOPERATING ENTERPRISES: 1920.

CLASS.	LAND.		CAPITAL. <sup>1</sup>		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All organized enterprises.....	1,121,219	100.0	\$47,688,153	100.0	\$6,734,474
Operating enterprises.....	1,108,319	98.8	47,687,153	100.0	6,334,474
With works completed.....	652,931	58.2	30,776,650	64.5	.....
With works under construction	455,388	40.6	16,910,603	35.5	6,334,474
Nonoperating enterprises.....	12,900	1.2	1,000	( <sup>1</sup> )	400,000

<sup>1</sup> The inquiry asked for the "total cost of the enterprise to Dec. 31, 1919," and for an "estimate of additional investment to complete."

<sup>2</sup> Less than one-tenth of 1 per cent.

**Location of enterprises.**—Most of the land in drainage enterprises in California lies in the valleys of the lower San Joaquin and Sacramento Rivers, within 75 miles of their confluence. There are several small tracts in drainage enterprises between this large area and the coast, a few areas in the north end of the state, and several, including some of considerable size, in the extreme southern and southeastern parts of the state.

TABLE 3.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED BY DRAINAGE BASIN: 1920.

DRAINAGE BASIN.	LAND.		CAPITAL.		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All organized enterprises..	1,121,219	100.0	\$47,688,153	100.0	\$6,734,474
Operating enterprises.....	1,108,319	98.8	47,687,153	100.0	6,334,474
Colorado River.....	46,000	4.1	175,634	0.4	1,000,000
Sacramento River.....	641,836	57.2	34,659,856	72.7	3,206,045
San Joaquin River.....	344,282	30.7	11,524,721	24.2	1,987,829
Pacific Ocean.....	70,201	6.8	1,326,942	2.8	140,000
Nonoperating enterprises.....	12,900	1.2	1,000	( <sup>1</sup> )	400,000
Pacific Ocean.....	12,900	1.2	1,000	( <sup>1</sup> )	400,000

<sup>1</sup> Less than one-tenth of 1 per cent.

**Condition of land in enterprises.**—The drainage enterprises in California are for draining and protecting land generally swampy, subject to inundation by

stream floods and tidal overflow, and injured or threatened with seepage and the concentration of salts, commonly called alkali, in the surface soil as a result of irrigation. A considerable part of the total area in enterprises is swamp land that first was protected against overflow, then was more completely drained, and later was brought also under irrigation.

In the state, 19,872 acres in drainage and reclamation districts and 223,606 acres in irrigation districts and irrigation projects of the United States Reclamation Service are reported as not having needed drainage or protection, but as having been assessed for drainage merely on account of being responsible for damage to the other land. This acreage for the irrigation districts is not included in the statistics for drainage enterprises given in this bulletin.

The usual purpose of an organized enterprise is merely to provide adequate outlets into which the landowners of the district may drain their farms and to afford relief from overflow for the district as a unit. Therefore the fact that an enterprise which has completed the construction of the drainage works authorized contains land still swampy or subject to overflow, or land that suffers damage to crops, does not show that the improvement works are inadequate.

TABLE 4.—LAND IN ALL ENTERPRISES, CLASSIFIED BY CONDITION: 1920.

CONDITION OF LAND.	OPERATING ENTERPRISES.				Non-operating enterprises (acres).
	Total.		Works completed (acres).	Works under construction (acres).	
	Acreage.	Per cent of all land.			
All land in enterprises.....	1,108,319	100.0	652,931	455,388	12,900
Improved land.....	1,038,835	93.7	630,912	407,923	6,000
Timber and cut-over land.....	12,263	1.1	11,283	1,000	.....
Other unimproved land.....	57,221	5.2	10,736	46,465	6,900
Swampy, subject to overflow, seeped, or alkali.....	45,163	4.1	3,698	41,465	12,900
Suffering a loss of crops.....	42,209	3.8	4,696	37,513	.....

**Size of enterprises.**—Presentation of the statistics by counties requires that an enterprise located in more than one county be divided, and the part in each county be considered a separate enterprise. In this way, 145 operating drainage enterprises are counted in California, with an average area of 7,644 acres. There is no overlapping of the enterprises in this state.

TABLE 5.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY SIZE OF AREA ASSESSED: 1920.

SIZE GROUP.	Land in enterprises (acres).	ASSESSED AREA.	
		Acreage.	Per cent of total.
All operating enterprises.....	1,108,319	1,108,319	100.0
Less than 200 acres.....	341	341	( <sup>1</sup> )
200 to 499 acres.....	1,336	1,336	0.1
500 to 999 acres.....	10,059	10,059	0.9
1,000 to 4,999 acres.....	155,747	155,747	14.1
5,000 to 9,999 acres.....	203,655	203,655	18.4
10,000 to 49,999 acres.....	672,181	672,181	60.6
50,000 to 99,999 acres.....	65,600	65,600	5.9

<sup>1</sup> Less than one-tenth of 1 per cent.



**Character of enterprises.**—The drainage enterprises in California comprise reclamation districts organized under the Political Code of the state and by special acts of the legislature, drainage districts established according to the general drainage laws and special acts, irrigation districts providing drainage for land within those districts, commercial companies developing land to be sold or leased for farming purposes, and drainage undertakings by individual landowners in tracts of more than 500 acres each. Many of the present reclamation districts have been organized merely for the maintenance of drainage and protection works that were constructed by commercial land-development companies.

The tabulations in this bulletin include statistics for only those reclamation districts and other projects that have undertaken the construction of open ditch or tile drains, in accordance with the census definition of drainage enterprises (see p. 3). In some reclamation districts, however, it is apparent that the greater part of the cost has been for the construction of the levees rather than of the drains, so a special tabulation has been made in County Table II, under the heading "Flood-protection enterprises," for those drainage enterprises in which the length of levees is equal to or greater than the length of drains.

The Sacramento and San Joaquin Drainage District was organized in 1911-1913 by special acts of the legislature, to carry into effect the plans of the California Débris Commission. It embraces lowland along Sacramento, Feather, and San Joaquin Rivers from Butte and Glenn Counties on the north to Fresno and Madera Counties on the south. It is governed by a board of reclamation of seven men appointed by the governor of the state. This board has large powers for the construction of levee and other flood-protection works, the cost to be apportioned according to benefits to the land, and approval of this board must be obtained by any other enterprise for the construction of any new plan of reclamation, drainage, or protection that will affect the land or works of the Sacramento and San Joaquin Drainage District.

Reclamation districts are established by the boards of county supervisors, in accordance with sections 3446 to 3493 of the Political Code of 1872 as amended, upon petition from the holders of title representing one-half or more of any body of swamp, marsh, or tidal land, or land subject to overflow. This part of the code was based on the statute of March 28, 1868 (ch. 415). The supervisors hold public hearing upon the petition before approving it, and may change the boundaries of the district as they find necessary in order that just the area benefited will be included. A district situated in more than one county is established by the supervisors of the county containing the greater part of the land. The officers of each

district are three trustees, elected by the landowners voting in proportion to the value of their real estate in the district. Plans for the drainage improvement works are determined by the trustees. The improvements may include drains, levees, sluices, pumping plants, and all other works necessary for the reclamation of the land in the district. The cost of the works is apportioned against the land in proportion to the benefits that will accrue, these benefits being assessed by three disinterested commissioners specially appointed by the board of county supervisors. Public hearing upon this assessment is held by the supervisors, and from their findings appeal may be taken to the superior court. Bonds to pay the cost of reclamation may be issued by the trustees if authorized by a special election of the landowners of the district. Owners of all the area included may petition for the establishment of a reclamation district to be managed by themselves without the intervention of trustees, and the owners then may be given all the powers ordinarily granted to trustees.

Many reclamation districts have been established by special acts of the legislature that defined the boundaries of each district, sometimes named the trustees of the district, and usually prescribed that the powers of the trustees and the method of procedure should be as provided in the Political Code.

Drainage districts for the improvement of agricultural land other than swamp and overflowed land may be formed under a law of March 20, 1903 (ch. 238). A petition for establishment must be signed by 50 or by a majority of the holders of title or evidence of title to the land that will be affected, and must be submitted to the board of supervisors of the county in which all or the greater portion of the land is situated. After public hearing upon the petition, the landowners vote upon the question of establishment and for three or five directors to be the officers of the district. Two-thirds of the votes must be favorable in order that the enterprise be organized. The plan of drainage improvements is determined by the directors. The cost of drainage is assessed against the real estate in the district in proportion to its assessed value; the money that will be needed is assessed by the supervisors each year according to estimates prepared by the directors. Bonds may be issued by the directors after approval by a two-thirds vote of the landowners.

Drainage districts for the improvement of wet, swamp, or overflowed land have been formed under a law of March 21, 1903 (ch. 258), which has been repealed by an act approved May 18, 1919 (ch. 354), prescribing a similar form of organization. The board of county supervisors is the executive authority of the district. Petition for establishing the drains must be made to the supervisors by 20 or more property owners (the earlier law required only 10 or more)



or by the owners of a major portion of the land in the proposed district. The county surveyor prepares the plan of drainage works and makes the assessments of damages and of benefits. The supervisors hold public hearings upon the petition for establishment and upon the surveyor's assessments; their determinations of damages and benefits are final. The cost is assessed against the land in proportion to the benefits. The supervisors let contracts for constructing the works, and after these are completed public hearing is held to determine whether the work is acceptable and the amount of bonds that shall be issued. The law of 1903 provided that the supervisors apportion the work of construction to the various landowners, the supervisors to perform the work not completed within the time that had been specified and to assess the cost against the delinquent owners. Districts in more than one county are under the jurisdiction of the supervisors of the county containing the greater portion of the district.

A number of drainage districts have been established by special acts of the legislature, defining each separate district and prescribing its mode of operation, which usually has been somewhat similar to that prescribed for reclamation districts by the Political Code of the state.

Drainage districts may be established by the board of county supervisors under a law of March 18, 1885, upon petition from the owners of two-thirds of any body of land susceptible to one mode of drainage. This law in amended form is still in effect, but no enterprises are reported as organized under it. By-laws must be adopted by the petitioners and signed by the owners of two-thirds of the acreage in the district. The officers are three trustees selected by the landowners. The costs are assessed in proportion to benefits determined by three commissioners appointed by the supervisors. Land for district uses is obtained by condemnation proceedings according to the civil code of the state.

The first drainage law of California was that of May 13, 1861, creating a state board of swamp-land commissioners to reclaim swamp, tidal, and overflowed land granted to the state by Congress in 1850, upon petition from holders of patents or certificates of purchase of such lands. The cost of reclamation was paid from the swamp-land funds, consisting of the proceeds of the sale of those lands, supplemented by contributions from individuals or by special tax levies upon the land benefited. By an act of April 2, 1866, the board of swamp-land commissioners was abolished and its powers were transferred to the

boards of county supervisors. That act was repealed March 28, 1868 (ch. 415), by a law authorizing the formation of reclamation districts much like that provided by the Political Code of 1872, which, as amended, still is the statute most generally used in the formation of drainage enterprises.

A great many amendments have been made to the drainage laws as originally enacted, but the character of the enterprises as just described is in most instances the same as was first provided. Several drainage laws have been enacted and repealed or declared unconstitutional, including one of April 23, 1880 (ch. 117), creating a state board of drainage commissioners, and one of March 3, 1881 (ch. 21), authorizing the establishment of drains by the county supervisors.

TABLE 6.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920.

CHARACTER OF ENTERPRISE.	LAND.		CAPITAL.		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All organized enterprises....	1,121,219	100.0	\$47,688,153	100.0	\$6,734,474
Operating enterprises.....	1,108,319	98.8	47,687,153	100.0	6,334,474
Reclamation districts.....	619,837	55.3	40,477,951	84.9	3,400,045
Political Code, secs. 3446 to 3493.....	360,480	32.2	21,942,881	46.0	544,000
Special acts.....	259,357	23.1	18,535,070	38.9	2,855,045
Drainage districts.....	175,604	15.7	2,543,712	5.3	60,000
Laws of 1903, ch. 238.....	17,600	1.6	213,250	0.5	10,000
Laws of 1903, ch. 258.....	89,004	7.9	1,328,462	2.8	50,000
Laws of 1919, ch. 354.....	7,000	0.6	50,000	0.1	.....
Special acts.....	62,000	5.5	950,000	2.0	.....
U. S. Reclamation Service..	8,000	0.7	140,000	0.3	.....
Irrigation districts.....	157,200	14.0	786,325	1.6	2,543,829
Commercial developments..	17,635	1.6	854,300	1.8	.....
Individual ownership.....	130,043	11.6	2,878,955	6.0	330,000
Nonoperating enterprises.....	12,900	1.2	1,000	( <sup>1</sup> )	400,000
Drainage districts—Laws of 1903, ch. 238.....	12,900	1.2	1,000	( <sup>1</sup> )	400,000

<sup>1</sup> Less than one-tenth of 1 per cent.

**Drainage works.**—The total works completed by drainage enterprises to December 31, 1919, comprised 3,009.8 miles of open ditches, 85.6 miles of tile drains, and 1,131.1 miles of levees; the additional lengths under construction were 204.4 miles of open ditches, 23.0 miles of tile drains, and 120.4 miles of levees. These figures do not include drains or levees installed by individual farm owners supplemental to the works of the drainage enterprises, nor the works of flood-protection or levee districts that had not undertaken the construction of ditches or tile drains. There are 96 pumping districts among the operating enterprises, equipped with 191 centrifugal pumps and 1 water wheel.



TABLE 7.—LAND AND CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY KIND OF DRAINAGE WORKS: 1920.

KIND OF WORKS.	LAND.		CAPITAL.		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All kinds.....	1,108,319	100.0	\$47,687,153	100.0	\$6,334,474
Open ditches only.....	130,659	11.8	1,240,730	2.6	2,166,645
Open ditches and levees.....	713,421	64.4	39,752,603	83.4	2,304,000
Tile drains only.....	1,194	0.1	60,000	0.1	.....
Open ditches and tile drains.....	154,100	13.9	1,376,691	2.9	1,613,829
Open ditches, tile drains, and levees.....	108,945	9.8	5,257,639	11.0	250,000

TABLE 8.—LAND AND CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY TYPE OF DRAINAGE: 1920.

TYPE OF DRAINAGE.	LAND.		CAPITAL.		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All operating enterprises.....	1,108,319	100.0	\$47,687,153	100.0	\$6,334,474
Gravity drainage only.....	400,989	36.2	5,060,751	10.6	3,716,645
All drainage by pumping.....	300,422	27.1	20,303,606	42.6	994,000
Part gravity and part pumping..	406,908	36.7	22,322,796	46.8	1,623,829
Total area served by pumps.....	604,446	51.2	.....	.....	.....

TABLE 9.—PUMPING PLANTS OF OPERATING ENTERPRISES, AND ACREAGE SERVED, CLASSIFIED BY KIND OF POWER: 1920.

KIND OF POWER.	ENGINE CAPACITY.		PUMP CAPACITY.		AREA SERVED.	
	Horsepower.	Per cent of total.	Gallons per minute.	Per cent of total.	Acreage.	Per cent of total.
All operating enterprises.....	28,526	100.0	4,699,042	100.0	604,446	100.0
Steam.....	161	0.6	33,000	0.7	7,840	1.3
Electric.....	23,547	82.5	3,790,690	80.7	490,152	81.1
Internal-combustion.....	793	2.8	121,852	2.6	45,937	7.6
Steam and electric.....	13,135	11.0	564,000	12.0	45,200	7.5
Electric and internal-combustion.....	2,890	3.1	189,500	4.0	14,723	2.4
Water wheel.....	.....	.....	.....	.....	594	0.1

<sup>1</sup> Includes 1,000 steam, 589 electric, and 1,555 not divided.<sup>2</sup> Includes 230 electric, 245 internal-combustion, and 415 not divided.

The average depth of the main or outlet ditch was reported for each enterprise. The maximum reported for any enterprise in the state and the maximum in each county are shown in line 15 of County Table II. The maximum length, width, and depth of outlet shown in that table for any county may not refer to the same enterprise.

In County Table II, line 16 shows the mean depth of branch ditches (open ditches only), which is a very crude indication of the depth of soil drainage that may be obtained in the enterprises as determined by the depth of outlet provided for farm drains. The mean depth was computed by giving each separate depth a weight in proportion to the acreage it serves. As most enterprises reported depths in whole numbers only, the occasional decimals were omitted in making these computations. Depths of less than 3 feet and those of 10 feet and more were omitted, as they seemed not to represent so well the average depths of outlet provided for all the farms in the districts. To include both of these groups, computed as 3 feet and 10 feet, respectively, would show the mean depth for the state 5.2 instead of 4.5 feet.

TABLE 10.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY AVERAGE DEPTH OF BRANCH DITCHES: 1920.

DEPTH OF BRANCH DITCHES.	Acreage.	Per cent of total.
All operating enterprises.....	1,108,319	100.0
Less than 3 feet.....	3,110	0.3
3.0 to 3.9 feet.....	181,551	16.4
4.0 to 4.9 feet.....	337,432	30.4
5.0 to 5.9 feet.....	151,428	13.7
6.0 to 6.9 feet.....	51,247	4.6
7.0 to 7.9 feet.....	5,600	0.5
8.0 to 8.9 feet.....	61,925	5.6
9.0 to 9.9 feet.....	10,600	1.0
10 feet and more.....	121,500	11.0
Not reporting branches.....	183,876	16.6

**Maintenance of works.**—The trustees of each reclamation district are empowered to keep the drainage works of the district in repair. Assessments for maintenance work are made in accordance with estimates prepared by the trustees, apportioned according to the original assessment of benefits or, by an amendment approved May 26, 1917 (ch. 671), according to assessment valuations made after completion of construction. The directors of drainage districts organized under the law of 1903 (ch. 238) are required each year to make an estimate of the money that will be required for maintenance purposes, and the amount is assessed against the land according to assessed value. Drainage districts organized under the law of 1919 (ch. 354) are required to be maintained by the boards of county supervisors, who are required to levy each year an ad valorem tax upon the real estate in each district, sufficient to raise the revenue that will be needed to keep the district works in repair. The law which this law superseded (ch. 258 of 1903) required that the landowners keep the works in repair.



TABLE 11.—LAND AND CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY METHOD OF MAINTENANCE: 1920.

METHOD OF MAINTENANCE.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All operating enterprises.....	1,108,319	100.0	\$47,687,153	100.0	\$6,334,474	
By district forces.....	741,012	66.9	33,113,046	69.4	3,547,829	
By contract.....	213,026	19.2	10,504,961	22.0	2,376,645	
By method not specified.....	19,887	1.8	891,000	1.9	40,000	
By landowners.....	14,384	1.3	1,216,271	2.6	50,000	
Individual ownerships.....	52,920	4.8	1,014,015	2.1		
No maintenance provided.....	63,796	5.8	797,860	1.7	320,000	
Not reported.....	3,294	0.3	150,000	0.3		

**Date of organization.**—The progress in drainage development is shown only roughly by the dates of the organization of the enterprises, which are the dates when the districts were established by the county supervisors, since there may be a period of a year or more between the decree of establishment and the beginning of actual construction, and since the work of construction may occupy several years in a large district. It was not practicable, however, for the census to secure data as to the time of the beginning or the completion of the drainage works. Under the date of organization are tabulated the entire area, works, and capital of each enterprise, even including extensions made after the original plan of reclamation was completed.

TABLE 12.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	LAND.		AREA ASSESSED.	
	Acreage.	Per cent of total.	Acreage.	Per cent of total.
All operating enterprises.....	1,108,319	100.0	1,108,319	100.0
1860 to 1869.....	13,200	1.2	13,200	1.2
1870 to 1879.....	26,100	2.4	26,100	2.4
1880 to 1889.....	76,737	6.9	76,737	6.9
1890 to 1899.....	71,699	6.5	71,699	6.5
1900 to 1904.....	33,695	3.0	33,695	3.0
1905 to 1909.....	249,965	22.6	249,965	22.6
1910 to 1914.....	412,351	37.2	412,351	37.2
1915 to 1919.....	153,763	13.9	153,763	13.9
Not reported.....	70,809	6.4	70,809	6.4

TABLE 13.—CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	CAPITAL.		
	To Dec. 31, 1919.		Additional required to complete.
	Amount.	Per cent of total.	
All operating enterprises.....	\$47,687,153	100.0	\$6,334,474
1860 to 1869.....	350,000	0.7	
1870 to 1879.....	2,600,000	5.2	
1880 to 1889.....	2,329,106	4.9	1,053,829
1890 to 1899.....	4,240,215	8.9	70,000
1900 to 1904.....	1,585,078	3.3	68,000
1905 to 1909.....	6,247,723	13.1	1,330,000
1910 to 1914.....	20,734,886	43.5	1,020,000
1915 to 1919.....	7,687,320	16.1	2,592,645
Not reported.....	2,012,815	4.2	200,000

TABLE 14.—DRAINS AND LEVEES (COMPLETED AND UNDER CONSTRUCTION) IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	DITCHES.		TILE.		LEVEES.	
	Miles.	Per cent of total.	Miles.	Per cent of total.	Miles.	Per cent of total.
All drains and levees.....	3,214.2	100.0	108.6	100.0	1,251.5	100.0
1860 to 1869.....	13.0	0.4			21.0	1.7
1870 to 1879.....	39.7	1.2			52.0	4.2
1880 to 1889.....	128.5	4.0	7.1	6.5	39.5	3.2
1890 to 1899.....	230.5	7.2	2.0	1.8	108.2	8.6
1900 to 1904.....	223.9	7.0			79.6	6.4
1905 to 1909.....	618.6	19.2	18.6	17.1	237.6	19.0
1910 to 1914.....	1,244.7	38.7	7.6	7.0	422.8	33.8
1915 to 1919.....	512.0	15.9	67.3	62.0	130.5	10.4
Not reported.....	203.3	6.3	6.0	5.5	160.3	12.8

**Crops.**—The principal crops grown upon the drained land in drainage enterprises were reported as small grains, potatoes, alfalfa, and corn. Statistics were not secured to show the part of each enterprise planted to any crop, so the enterprises have been classified according to the principal crop, and the total area of improved land is shown thus classified in County Table II. No data were secured at the general census of agriculture to separate the crops grown upon land drained artificially from those produced upon land drained naturally.



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COUNTY TABLE I.—DRAINAGE ON FARMS: 1920.

		The State.	Alameda.	Butte.	Colusa.	Contra Costa.	Del Norte.	Fresno.	Glenn.	Humboldt.	
1	Number of all farms in the state or county.....	117,670	2,778	2,219	816	1,675	130	8,917	1,320	1,756	
2	Farms reporting land having drainage.....	5,078	30	280	162	78	24	326	36	193	
3	Farms reporting land needing drainage.....	3,187	26	24	63	4	44	79	28	139	
4	Farms in drainage and levee districts.....	3,203	15	176	126	72	4	309	31	20	
LAND AND FARM AREA.											
5	Approximate land area of the state or county.....acres..	99,617,280	468,480	1,086,720	729,600	456,960	655,360	3,808,600	855,680	2,288,000	
6	All land in farms.....acres..	29,365,667	359,742	464,625	438,417	373,065	43,830	1,319,531	524,407	717,174	
7	Improved land in farms.....acres..	11,878,339	185,324	253,745	302,429	238,369	13,252	672,591	336,452	98,064	
8	Woodland in farms.....acres..	4,252,287	21,200	70,815	30,132	31,265	19,207	107,456	36,461	225,857	
9	Other unimproved land in farms.....acres..	13,235,041	153,218	140,065	105,856	105,431	11,371	539,384	151,464	393,253	
10	Farm land reported as provided with drainage.....acres..	813,960	3,019	18,266	59,876	19,915	758	64,297	19,770	5,082	
11	Farm land reported as needing drainage.....acres..	286,320	3,126	3,312	9,928	340	3,060	688	2,774	7,562	
12	Drainage only.....acres..	92,808	538	2,547	3,407	180	311	534	947	811	
13	Drainage and clearing.....acres..	193,512	2,588	765	6,521	160	2,749	154	1,827	6,751	
		Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.	Los Angeles.	Marin.	Mendocino.	
1	Number of all farms in the county.....	2,843	521	2,020	2,171	771	606	12,444	718	1,759	
2	Farms reporting land having drainage.....	465	15	85	26	50	31	91	21	91	
3	Farms reporting land needing drainage.....	63	28	46	51	172	43	85	26	233	
4	Farms in drainage and levee districts.....	440	1	23	27	18	10	32	7	1	
LAND AND FARM AREA.											
5	Approximate land area of the county.....acres..	2,616,960	6,394,240	5,121,920	741,760	792,320	2,899,840	2,633,600	338,560	2,264,960	
6	All land in farms.....acres..	347,485	140,029	1,497,045	505,553	241,899	741,220	882,333	290,148	923,087	
7	Improved land in farms.....acres..	310,708	39,904	390,932	259,639	45,355	140,887	489,096	87,846	101,220	
8	Woodland in farms.....acres..	1,365	20,158	45,877	5,870	54,781	233,724	32,070	58,876	281,196	
9	Other unimproved land in farms.....acres..	35,412	79,967	1,060,230	240,044	141,763	366,609	387,167	143,426	560,671	
10	Farm land reported as provided with drainage.....acres..	96,601	701	17,605	17,988	1,783	9,962	5,067	7,517	2,342	
11	Farm land reported as needing drainage.....acres..	2,597	3,299	3,057	2,448	3,254	10,043	5,072	2,893	14,157	
12	Drainage only.....acres..	1,169	1,976	1,565	1,641	904	5,245	1,318	2,796	1,857	
13	Drainage and clearing.....acres..	1,428	1,323	1,492	807	7,350	4,798	3,754	102	12,300	
		Merced.	Modoc.	Monterey.	Napa.	Orange.	Plumas.	Riverside.	Sacramento.	San Benito.	
1	Number of all farms in the county.....	2,846	743	1,712	1,428	4,188	150	3,949	2,975	945	
2	Farms reporting land having drainage.....	105	27	31	53	182	14	46	479	4	
3	Farms reporting land needing drainage.....	118	50	32	42	41	20	63	38	2	
4	Farms in drainage and levee districts.....	31	6	6	11	152	.....	21	424	.....	
LAND AND FARM AREA.											
5	Approximate land area of the county.....acres..	1,276,800	2,446,720	2,131,200	501,120	508,800	1,659,520	4,622,720	629,120	890,880	
6	All land in farms.....acres..	1,122,550	596,757	1,104,048	293,925	325,703	101,653	676,293	555,503	539,378	
7	Improved land in farms.....acres..	506,582	168,251	398,320	116,723	200,945	34,223	348,538	399,024	122,606	
8	Woodland in farms.....acres..	38,873	129,819	201,821	40,321	2,453	14,864	26,027	63,155	13,577	
9	Other unimproved land in farms.....acres..	577,065	298,687	503,897	136,881	122,305	52,566	301,728	93,324	403,195	
10	Farm land reported as provided with drainage.....acres..	32,008	6,983	1,237	2,100	14,240	1,138	1,884	92,053	1,025	
11	Farm land reported as needing drainage.....acres..	43,101	6,661	1,610	3,242	1,996	1,613	3,493	4,328	73	
12	Drainage only.....acres..	24,664	1,345	877	1,069	1,362	1,348	1,118	2,984	70	
13	Drainage and clearing.....acres..	18,487	5,346	1,033	2,173	604	265	2,375	1,344	3	
		San Bernardino.	San Diego.	San Joaquin.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	
1	Number of all farms in the county.....	4,023	3,200	4,500	624	1,485	5,016	1,759	949	77	
2	Farms reporting land having drainage.....	101	26	352	11	29	200	62	22	2	
3	Farms reporting land needing drainage.....	87	66	28	11	30	82	52	75	6	
4	Farms in drainage and levee districts.....	55	3	275	2	21	14	3	9	.....	
LAND AND FARM AREA.											
5	Approximate land area of the county.....acres..	12,912,000	2,701,440	926,720	236,080	1,753,600	849,920	278,400	2,469,120	590,720	
6	All land in farms.....acres..	415,738	925,192	706,308	117,109	860,781	576,812	144,761	565,235	60,667	
7	Improved land in farms.....acres..	176,272	262,646	599,403	77,736	210,353	206,890	67,838	103,470	21,667	
8	Woodland in farms.....acres..	35,843	60,320	18,471	10,291	88,244	70,668	46,618	276,284	14,152	
9	Other unimproved land in farms.....acres..	204,623	602,226	88,434	29,082	571,184	299,254	30,295	185,481	24,908	
10	Farm land reported as provided with drainage.....acres..	3,850	1,448	117,262	1,242	865	8,453	1,097	13,299	740	
11	Farm land reported as needing drainage.....acres..	3,917	11,886	2,039	959	2,486	3,164	4,978	6,167	201	
12	Drainage only.....acres..	1,143	1,168	734	261	1,007	1,417	619	348	20	
13	Drainage and clearing.....acres..	2,774	10,718	1,305	698	1,479	1,747	4,359	5,809	181	
		Siskiyou.	Solano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Ventura.	Yolo.	All other counties. <sup>1</sup>
1	Number of all farms in the county.....	1,052	1,358	5,739	4,566	1,437	1,414	377	1,543	1,613	14,538
2	Farms reporting land having drainage.....	17	56	110	289	330	3	31	47	128	270
3	Farms reporting land needing drainage.....	36	19	108	128	115	13	67	31	20	653
4	Farms in drainage and levee districts.....	7	47	23	223	335	.....	5	24	112	32
LAND AND FARM AREA.											
5	Approximate land area of the county.....acres..	4,003,840	526,080	1,012,480	928,000	389,120	1,872,000	1,981,440	1,189,120	648,960	15,478,400
6	All land in farms.....acres..	537,396	408,288	748,147	748,678	238,640	1,124,502	130,230	384,895	398,165	5,087,403
7	Improved land in farms.....acres..	160,621	299,264	251,730	477,871	232,070	232,722	15,078	189,924	300,094	1,732,696
8	Woodland in farms.....acres..	71,912	17,142	204,763	98,320	9,367	324,240	40,246	15,049	29,805	1,033,262
9	Other unimproved land in farms.....acres..	298,563	91,882	291,654	172,487	47,503	567,540	74,986	179,892	68,266	2,321,446
10	Farm land reported as provided with drainage.....acres..	927	32,301	6,555	18,387	69,514	1,718	529	2,920	28,246	2,480
11	Farm land reported as needing drainage.....acres..	2,490	3,871	12,017	7,956	9,999	1,310	3,553	2,863	7,677	49,495
12	Drainage only.....acres..	1,706	3,488	3,669	3,011	4,556	1,880	84	1,830	7,393	1,561
13	Drainage and clearing.....acres..	784	383	12,548	4,945	5,443	1,030	3,469	1,273	184	47,934

<sup>1</sup> Drainage on farms was reported in all counties in California.



COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920.

		THE STATE.	Butte.	Colusa.	Contra Costa.	Fresno.	Imperial.	Merced.
<b>LAND AREA.</b>								
1	Approximate land area of the state or county .....	acres.. 99,617,280	1,086,720	720,600	456,960	3,808,000	2,616,960	1,276,800
2	All land in operating drainage enterprises .....	acres.. 1,108,319	29,175	60,200	40,236	16,979	8,000	24,247
3	Improved land .....	acres.. 1,038,835	29,175	60,200	40,036	15,994	8,000	24,207
4	Per cent of all improved land in farms .....	8.7	11.5	19.9	16.8	2.4	2.6	4.8
5	Timber and cut-over land .....	acres.. 12,263						
6	Other unimproved land .....	acres.. 57,221			200	985		40
7	Swampy, subject to overflow, seeped, or alkali in enterprises .....	acres.. 45,163				985	900	40
8	Suffering a loss of crops from defective drainage .....	acres.. 42,209			463	15	900	4,600
9	Assessed acreage .....	1,108,319	29,175	60,200	40,236	16,979	8,000	24,247
10	Excess over all land in operating enterprises .....	acres..						
<b>DRAINAGE WORKS.</b>								
11	Open ditches: Completed .....	miles.. 3,009.8	115.0	27.8	253.9	33.0	11.7	47.8
12	Additional under construction .....	miles.. 204.4						9.4
13	Maximum completed in any enterprise .....	miles.. 324.0	70.0	19.5	68.5	20.0	11.7	29.8
14	Maximum width at bottom of ditch .....	feet.. 400	30	400	35	24	12	12
15	Maximum of average depths of outlet ditches .....	feet.. 20.0	8.0	20.0	10.0	9.0	5.0	10.0
16	Mean depth of branch ditches .....	feet.. 4.5	4.2		4.1		5.0	4.6
17	Tile drains: Completed .....	miles.. 85.6	0.4			3.7	4.0	
18	Additional under construction .....	miles.. 23.0						0.1
19	Maximum completed in any enterprise .....	miles.. 47.0	0.4			2.0	4.0	0.1
20	Maximum size of tile .....	inches.. 36	12			36	20	76
21	Accessory levees and dikes: Completed .....	miles.. 1,131.1	2.5	22.3	125.0	12.0	17.0	
22	Additional under construction .....	miles.. 120.4		2.4	1.5			
23	Pumping plants: Engine capacity .....	horsepower.. 28,526		60	1,800	(2)	120	21
24	Pump capacity .....	gallons per minute.. 4,699,042		10,000	391,000	(2)	17,952	1,750
25	Area served by pumps .....	acres.. 604,446		23,000	39,286	504	8,000	700
26	Area drained by open ditches only .....	acres.. 17,060				6,625		9,247
27	Length of these ditches .....	miles.. 363.0				9.5		41.7
28	Average length per acre .....	feet.. 14.7				7.6		25.5
29	Area having open ditches and levees .....	acres.. 713,421	6,175	60,200	40,236			
30	Length of these ditches .....	miles.. 2,301.7	20.0	27.8	253.9			
31	Average length per acre .....	feet.. 17.0	17.1	2.4	33.3			
32	Length of the accessory levees .....	miles.. 1,127.0	2.5	24.7	126.5			
33	Area drained by open ditches and tile .....	acres.. 155,294	6,000			1,894		15,000
34	Length of these drains .....	miles.. 312.6	25.4			7.0		12.6
35	Average length per acre .....	feet.. 10.6	22.4			19.5		4.4
36	Area having open ditches, tile drains, and levees .....	acres.. 108,945				8,460	8,000	
37	Length of these drains .....	miles.. 345.5				20.2	15.7	
38	Average length per acre .....	feet.. 10.7				12.6	10.4	
39	Length of the accessory levees .....	miles.. 124.5				12.0	17.0	
<b>DEVELOPMENT OF LAND.</b>								
40	Improved land in operating enterprises, 1920 .....	acres.. 1,038,835	29,175	60,200	40,036	15,994	8,000	24,207
41	Improved land prior to drainage .....	acres.. 350,148		5,000	3,500	7,492	8,000	8,452
42	Increase since drainage .....	acres.. 688,687	29,175	55,200	36,536	8,502		15,755
43	Per cent of increase .....	196.7				113.5		180.4
44	Per cent increase is of all improved land in farms, 1920 .....	5.8		18.3	15.3	1.3		3.1
45	Timber and cut-over land, 1920 .....	acres.. 12,263						
46	Timber and cut-over land prior to drainage .....	acres.. 42,047						
47	Decrease since drainage .....	acres.. 29,784						
48	Per cent of decrease .....	70.8						
49	Other unimproved land, 1920 .....	acres.. 57,221			200	985		40
50	Other unimproved land prior to drainage .....	acres.. 716,124		55,200	36,736	9,487		15,795
51	Decrease since drainage .....	acres.. 658,903		55,200	36,536	8,502		15,755
52	Per cent of decrease .....	92.0		100.0	99.5	89.6		99.7
53	Swampy or subject to overflow, 1920 .....	acres.. 45,163				985	900	40
54	Swampy or subject to overflow prior to drainage .....	acres.. 822,326	946	60,200	40,236	10,137	900	4,795
55	Decrease since drainage .....	acres.. 777,163	946	60,200	40,236	9,152		4,755
56	Per cent of decrease .....	94.5	100.0	100.0	100.0	90.3		99.2
<b>CAPITAL INVESTED AND COST PER ACRE.</b>								
57	Total capital invested in and required for completion of operating enterprises .....	dollars.. 54,021,627	355,000	2,077,000	3,528,272	254,000	146,000	652,548
58	Capital invested in these enterprises to Dec. 31, 1919 .....	dollars.. 47,687,153	355,000	1,927,000	3,486,272	254,000	146,000	389,091
59	Additional capital required to complete these enterprises .....	dollars.. 6,334,474		150,000	42,000			263,457
60	Average cost per acre when completed .....	dollars.. 48.74	12.17	34.50	87.69	14.96	18.25	26.91
61	Enterprises constructing open ditches only .....	dollars.. 3,407,375	180,000			49,000		301,272
62	Average cost per acre when completed .....	dollars.. 26.08	10.69			7.40		32.58
63	Enterprises constructing open ditches and levees .....	dollars.. 42,056,693	100,000	2,077,000	3,528,272			
64	Average cost per acre when completed .....	dollars.. 58.95	16.19	34.50	87.69			
65	Enterprises constructing open ditches and tile drains .....	dollars.. 3,050,520	75,000			32,000		351,276
66	Average cost per acre when completed .....	dollars.. 19.64	12.50			16.90		23.42
67	Enterprises constructing open ditches, tile drains, and levees .....	dollars.. 5,507,039				173,000	146,000	
68	Average cost per acre when completed .....	dollars.. 50.55				20.45	18.25	
<b>CROPS.</b>								
69	Improved land in enterprises reporting— Small grains as principal crop on drained land .....	acres.. 436,835		23,000	7,450			15,000
70	Alfalfa as principal crop on drained land .....	acres.. 97,269	6,000			14,100		
71	White potatoes as principal crop on drained land .....	acres.. 97,461			28,086			
72	Corn as principal crop on drained land .....	acres.. 96,589		37,200	1,000			
73	Vegetables as principal crop on drained land .....	acres.. 80,288			3,500			8,547
74	Hay (except alfalfa) as principal crop on drained land .....	acres.. 28,875						
75	Sugar beets as principal crop on drained land .....	acres.. 14,825						
76	Rice as principal crop on drained land .....	acres.. 77,037	17,000					
77	Fruit as principal crop on drained land .....	acres.. 38,173	6,175					660
78	Cotton as principal crop on drained land .....	acres.. 42,200					8,000	
79	Beans as principal crop on drained land .....	acres.. 27,197						
80	Other crops as principal ones on drained land .....	acres.. 2,006				1,894		
<b>FLOOD-PROTECTION ENTERPRISES.<sup>a</sup></b>								
81	Land in operating enterprises .....	acres.. 298,405		42,200	20,750			
82	Open ditches: Completed .....	miles.. 309.9		8.3	27.5			
83	Additional under construction .....	miles.. 11.7						
84	Accessory levees and dikes: Completed .....	miles.. 487.6		21.0	63.0			
85	Additional under construction .....	miles.. 43.8						
86	Total capital invested in and required for completion of operating enterprises .....	dollars.. 13,320,563		577,000	1,545,000			
87	Capital invested in these enterprises to Dec. 31, 1919 .....	dollars.. 12,260,563		577,000	1,545,000			
88	Additional capital required to complete these enterprises .....	dollars.. 1,060,000						

<sup>1</sup> When works under construction have been completed.<sup>2</sup> Drainage by water wheel.<sup>3</sup> Includes 1,194 acres having tile only.<sup>4</sup> Per cent not shown when more than 1,000.<sup>5</sup> Includes cost of 5.1 miles of tile only.



COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Monterey.	Orange.	Riverside.	Sacramento.	San Joaquin.	Shasta.
<b>LAND AREA.</b>							
1	Approximate land area of the county.....	2,131,200	508,800	4,622,720	629,120	929,720	2,469,120
2	All land in operating drainage enterprises.....	4,700	35,600	50,600	104,779	164,410	19,000
3	Improved land.....	4,700	35,600	42,000	104,591	164,360	19,200
4	Per cent of all improved land in farms.....	1.2	17.4	12.1	26.2	27.4	15.7
5	Timber and cut-over land.....				80		
6	Other unimproved land.....		600	8,600	108	60	2,800
7	Swampy, subject to overflow, seeped, or alkali in enterprises.....				108		2,800
8	Suffering a loss of crops from defective drainage.....	4,230		1,680	1,655	3,835	1,400
9	Assessed acreage.....	4,700	35,600	50,600	104,779	164,410	19,000
10	Excess over all land in operating enterprises.....						
<b>DRAINAGE WORKS.</b>							
11	Open ditches:						
12	Completed.....	29.4	95.8	26.1	250.0	905.1	21.0
13	Additional under construction.....	12.6	38.5	11.7		21.8	4.5
14	Maximum completed in any enterprise.....	29.4	40.0	25.0	88.0	78.0	18.0
15	Maximum width at bottom of ditch.....	20	30	12	100	26	40
16	Maximum of average depths of outlet ditches.....	5.0	14.0	15.0	16.0	16.0	20.0
17	Mean depth of branch ditches.....	3.0	5.1	8.0	4.9	4.5	3.8
18	Tile drains:						
19	Completed.....		10.3	1.5	1.0		
20	Additional under construction.....			1.6		1.5	
21	Maximum completed in any enterprise.....		5.0	1.5	1.0		
22	Maximum size of tile.....		24	24	16		
23	Accessory levees and dikes:						
24	Completed.....		2.0	20.0	168.1	306.4	34.8
25	Additional under construction.....			25.0	2.8	22.5	13.2
26	Pumping plants:						
27	Engine capacity.....				5,740	4,930	
28	Pump capacity.....				857,600	1,013,000	
29	Area served by pumps.....				90,346	126,281	
30	Area drained by open ditches only.....	4,700	11,000		467	4,280	5,000
31	Length of these ditches.....	42.0	39.0		2.0	17.0	7.5
32	Average length per acre.....	47.2	18.7		22.6	21.0	7.9
33	Area having open ditches and levees.....			50,000	67,504	130,130	14,000
34	Length of these ditches.....			37.8	157.0	849.9	18.0
35	Average length per acre.....			4.0	12.3	34.5	6.8
36	Length of the accessory levees.....			45.0	147.4	328.9	48.0
37	Area drained by open ditches and tile.....		16,600	600		30,000	
38	Length of these drains.....		63.1	3.1		61.5	
39	Average length per acre.....		20.1	27.3		10.8	
40	Area having open ditches, tile drains, and levees.....		8,000		36,808		
41	Length of these drains.....		42.5		92.6		
42	Average length per acre.....		28.1		13.3		
43	Length of the accessory levees.....		2.0		23.5		
<b>DEVELOPMENT OF LAND.</b>							
44	Improved land in operating enterprises, 1920.....	4,700	35,600	42,000	104,591	164,350	19,200
45	Improved land prior to drainage.....		21,800	41,500	15,783	18,216	
46	Increase since drainage.....	4,700	13,800	500	88,808	146,134	19,200
47	Per cent of increase.....		60.6	1.2	562.7	802.2	
48	Per cent increase is of all improved land in farms, 1920.....	1.2	6.6	0.1	22.3	24.4	15.7
49	Timber and cut-over land, 1920.....				80		
50	Timber and cut-over land prior to drainage.....				1,509	180	
51	Decrease since drainage.....				1,519	180	
52	Per cent of decrease.....				95.0	100.0	
53	Other unimproved land, 1920.....		600	8,600	108	60	2,800
54	Other unimproved land prior to drainage.....	4,700	13,800	9,100	87,397	146,014	19,000
55	Decrease since drainage.....	4,700	13,200	500	87,289	145,954	19,000
56	Per cent of decrease.....	100.0	95.7	5.5	99.9	100.0	85.3
57	Swampy or subject to overflow, 1920.....				108		2,800
58	Swampy or subject to overflow prior to drainage.....	4,700	16,700	16,400	101,720	162,704	19,000
59	Decrease since drainage.....	4,700	16,700	16,400	101,612	162,704	19,000
60	Per cent of decrease.....	100.0	100.0	100.0	99.9	100.0	85.3
<b>CAPITAL INVESTED AND COST PER ACRE.</b>							
61	Total capital invested in and required for completion of operating enterprises.....	190,000	295,000	1,149,384	8,452,300	8,161,693	540,600
62	Capital invested in these enterprises to Dec. 31, 1919.....	140,000	295,000	149,384	8,402,309	7,659,563	510,600
63	Additional capital required to complete these enterprises.....	50,000		1,000,000	50,000	502,000	30,000
64	Average cost per acre when completed.....	40.43	8.29	22.72	80.67	49.64	28.45
65	Enterprises constructing open ditches only.....	190,000	40,000		5,000	207,620	40,000
66	Average cost per acre when completed.....	40.43	3.64		10.71	48.49	8.12
67	Enterprises constructing open ditches and levees.....			1,114,384	6,421,218	7,468,628	500,000
68	Average cost per acre when completed.....			22.29	95.12	57.39	35.71
69	Enterprises constructing open ditches and tile drains.....		140,000	35,000		485,415	
70	Average cost per acre when completed.....		8.43	58.33		16.18	
71	Enterprises constructing open ditches, tile drains, and levees.....		115,000		2,020,091		
72	Average cost per acre when completed.....		14.38		55.04		
<b>CROPS.</b>							
73	Improved land in enterprises reporting—						
74	Small grains as principal crop on drained land.....			7,200	53,400	66,212	
75	Alfalfa as principal crop on drained land.....		5,400		11,530	8,590	
76	White potatoes as principal crop on drained land.....	4,700				63,775	
77	Corn as principal crop on drained land.....					21,550	
78	Vegetables as principal crop on drained land.....		18,600		18,940	3,323	
79	Hay (except alfalfa) as principal crop on drained land.....				461		19,200
80	Sugar beets as principal crop on drained land.....		11,000			900	
81	Rice as principal crop on drained land.....						19,000
82	Fruit as principal crop on drained land.....			600	7,063		
83	Cotton as principal crop on drained land.....			34,200			
84	Beans as principal crop on drained land.....				13,197		
85	Other crops as principal ones on drained land.....						
<b>FLOOD-PROTECTION ENTERPRISES.<sup>6</sup></b>							
86	Land in operating enterprises.....			38,000	38,681	28,670	14,000
87	Open ditches:						
88	Completed.....			1.1	67.2	45.0	18.0
89	Additional under construction.....			11.7			
90	Accessory levees and dikes:						
91	Completed.....				100.2	86.7	34.8
92	Additional under construction.....			25.0	2.3		13.2
93	Total capital invested in and required for completion of operating enterprises.....			1,029,634	3,994,988	1,028,000	500,000
94	Capital invested in these enterprises to Dec. 31, 1919.....			29,634	3,944,988	1,028,000	500,000
95	Additional capital required to complete these enterprises.....			1,000,000	50,000		

<sup>6</sup> These are enterprises in which the total length of levees, completed and under construction, is equal to or greater than the total length of drains (open ditches and tile); the statistics for the enterprises are included in the figures for drainage enterprises, given above.

<sup>7</sup> Includes 0.5 mile of tile drains.



COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Solano.	Sonoma.	Stanislaus.	Sutter.	Yolo.	Yuba.	Other counties. <sup>1</sup>
<b>LAND AREA.</b>								
1	Approximate land area of the county..... acres..	526,080	1,012,480	928,000	389,120	648,960	404,480	31,873,280
2	All land in operating drainage enterprises..... acres..	43,745	4,000	65,000	180,283	153,755	32,750	70,860
3	Improved land..... acres..	43,490	4,000	64,000	173,561	136,630	25,375	47,323
4	Per cent of all improved land in farms.....	14.5	1.6	13.4	74.8	45.5	25.6	2.0
5	Timber and cut-over land..... acres..	255	1,000	1,000	3,999	1,000	7,000	184
6	Other unimproved land..... acres..	255	1,000	1,000	2,723	16,125	375	23,350
7	Swampy, subject to overflow, seeped, or alkali in enterprises..... acres..	205	1,000	1,000	1,125	16,125	375	22,500
8	Suffering a loss of crops from defective drainage..... acres..	355	1,000	5,511	1,075	1,075	32,750	16,090
9	Assessed acreage.....	43,745	4,000	65,000	180,283	153,755	32,750	70,860
10	Excess over all land in operating enterprises..... acres..							
<b>DRAINAGE WORKS.</b>								
11	Open ditches:							
12	Completed..... miles..	183.8	6.6	38.1	521.1	275.5	36.5	131.6
13	Additional under construction..... miles..	1.2	3.4	20.4	24.7	8.2		39.0
14	Maximum completed in any enterprise..... miles..	100.0	6.6	28.0	324.0	53.5	30.0	37.5
15	Maximum width at bottom of ditch..... feet..	150	18	12	110	150	15	70
16	Maximum of average depths of outlet ditches..... feet..	10.0	5.0	10.0	12.0	20.0	18.0	15.0
17	Mean depth of branch ditches..... feet..	4.0	4.0	6.0	3.7	4.7	3.0	4.2
18	Tile drains:							
19	Completed..... miles..	47.1			1.5	0.4		15.1
20	Additional under construction..... miles..			17.0				2.8
21	Maximum completed in any enterprise..... miles..	47.0			1.0	0.2		11.4
22	Maximum size of tile..... inches..	10			24	36		36
23	Accessory levees and dikes:							
24	Completed..... miles..	72.5			152.7	101.5	43.9	50.4
25	Additional under construction..... miles..	6.1			16.2	27.9		2.5
26	Pumping plants:							
27	Engine capacity..... horsepower..	2,025		17	7,708	5,175	450	480
28	Pump capacity..... gallons per minute..	311,100		3,000	1,003,540	886,500	60,000	143,000
29	Area served by pumps..... acres..	30,906		600	136,085	108,948	15,000	9,700
30	Area drained by open ditches only..... acres..	7,500	4,000		14,000			46,840
31	Length of these ditches..... miles..	8.0	10.0		25.0			38.3
32	Average length per acre..... feet..	5.6	13.2		9.4			10.0
33	Area having open ditches and levees..... acres..	20,238			133,134	133,234	32,750	10,520
34	Length of these ditches..... miles..	153.5			450.8	226.7	36.5	69.8
35	Average length per acre..... feet..	27.7			17.9	9.0	5.9	21.9
36	Length of the accessory levees..... miles..	63.3			148.9	103.7	43.9	44.2
37	Area drained by open ditches and tile..... acres..			65,000	15,000			5,200
38	Length of these drains..... miles..			84.5	27.0			23.4
39	Average length per acre..... feet..			6.9	9.5			23.8
40	Area having open ditches, tile drains, and levees..... acres..	7,007			18,149	20,521		2,000
41	Length of these drains..... miles..	70.6			44.5	57.4		2.6
42	Average length per acre..... feet..	53.2			12.9	14.8		5.3
43	Length of the accessory levees..... miles..	15.3			20.0	25.7		9.0
<b>DEVELOPMENT OF LAND.</b>								
44	Improved land in operating enterprises, 1920..... acres..	43,490	4,000	64,000	173,561	136,630	25,375	47,323
45	Improved land prior to drainage..... acres..	12,039	3,000	65,000	72,283	10,107	24,938	6,853
46	Increase since drainage..... acres..	31,451	1,000	1,000	101,268	126,523	437	41,473
47	Per cent of increase.....	261.2	33.3	1.6	140.1	42.2	1.8	708.6
48	Per cent increase is of all improved land in farms, 1920.....	10.5	0.4	0.2	43.6		0.4	1.7
49	Timber and cut-over land, 1920..... acres..				3,999	1,000	7,000	184
50	Timber and cut-over land prior to drainage..... acres..				22,509	10,200	7,000	450
51	Decrease since drainage..... acres..				18,510	9,300		275
52	Per cent of decrease.....				82.2	90.3		59.9
53	Other unimproved land, 1920..... acres..	255		1,000	2,723	16,125	375	23,350
54	Other unimproved land prior to drainage..... acres..	31,706	1,000	2,000	55,481	133,348	812	64,548
55	Decrease since drainage..... acres..	31,451	1,000	1,000	52,758	117,223	437	41,198
56	Per cent of decrease.....	99.2	100.0	50.0	96.8	87.9	53.8	63.8
57	Swampy or subject to overflow, 1920..... acres..	205			1,125	16,125	375	22,500
58	Swampy or subject to overflow prior to drainage..... acres..	43,745	1,000	4,000	112,177	134,348	20,812	67,806
59	Decrease since drainage..... acres..	43,540	1,000	4,000	111,052	118,223	20,437	45,306
60	Per cent of decrease.....	99.5	100.0	100.0	99.0	88.0	98.2	66.8
<b>CAPITAL INVESTED AND COST PER ACRE.</b>								
61	Total capital invested in and required for completion of operating enterprises..... dollars..	1,421,992	30,000	1,413,520	13,331,045	9,526,469	1,037,500	1,459,116
62	Capital invested in these enterprises to Dec. 31, 1919..... dollars..	1,339,492	20,000	433,457	10,974,400	8,988,969	1,037,500	1,179,116
63	Additional capital required to complete these enterprises..... dollars..	82,500	10,000	980,372	2,356,645	537,500		280,000
64	Average cost per acre when completed..... dollars..	32.51	7.50	21.75	73.95	61.96	31.68	20.59
65	Enterprises constructing open ditches only..... dollars..	50,000	30,000		1,876,045			437,338
66	Average cost per acre when completed..... dollars..	6.67	7.50		134.05			9.34
67	Enterprises constructing open ditches and levees..... dollars..	884,742			10,415,144	8,062,719	1,037,500	447,086
68	Average cost per acre when completed..... dollars..	30.26			78.23	60.52	31.68	26.58
69	Enterprises constructing open ditches and tile drains..... dollars..			1,413,829	75,000			443,000
70	Average cost per acre when completed..... dollars..			21.75	5.00			85.19
71	Enterprises constructing open ditches, tile drains, and levees..... dollars..	487,250			964,256	1,463,750		131,692
72	Average cost per acre when completed..... dollars..	69.54			53.13	71.33		65.85
<b>CROPS.</b>								
73	Improved land in enterprises reporting—							
74	Small grains as principal crop on drained land..... acres..	24,355		45,000	131,724	38,182	10,500	14,812
75	Alfalfa as principal crop on drained land..... acres..	139		19,000	2,625	6,000	875	23,000
76	White potatoes as principal crop on drained land..... acres..							900
77	Corn as principal crop on drained land..... acres..	12,039				24,800		
78	Vegetables as principal crop on drained land..... acres..	6,507				20,521		350
79	Hay (except alfalfa) as principal crop on drained land..... acres..	450	4,000			4,925		2,839
80	Sugar beets as principal crop on drained land..... acres..							2,925
81	Rice as principal crop on drained land..... acres..				4,037	42,000	14,000	
82	Fruit as principal crop on drained land..... acres..				21,175			2,500
83	Cotton as principal crop on drained land..... acres..							
84	Beans as principal crop on drained land..... acres..				14,000			
85	Other crops as principal ones on drained land..... acres..					202		
<b>FLOOD-PROTECTION ENTERPRISES.<sup>4</sup></b>								
86	Land in operating enterprises..... acres..	2,539			35,809	39,425	31,500	6,921
87	Open ditches:							
88	Completed..... miles..	8.5			56.3	30.2	35.0	12.8
89	Additional under construction..... miles..							
90	Accessory levees and dikes:							
91	Completed..... miles..	10.5			61.0	47.0	43.0	20.4
92	Additional under construction..... miles..							2.8
93	Total capital invested in and required for completion of operating enterprises..... dollars..	14,300			1,875,144	1,467,719	1,000,000	288,778
94	Capital invested in these enterprises to Dec. 31, 1919..... dollars..	14,300			1,875,144	1,467,719	1,000,000	278,778
95	Additional capital required to complete these enterprises..... dollars..							10,000

<sup>1</sup> Includes only Humboldt, Kern, Kings, Lake, Los Angeles, Marin, Modoc, Napa, Placer, San Bernardino, Santa Barbara, Santa Clara, and Sierra Counties.<sup>2</sup> When works under construction have been completed.<sup>3</sup> Per cent not shown when more than 1,933.<sup>4</sup> See footnote 6, p. 225.



# MANUFACTURES—CALIFORNIA.

## EXPLANATION OF TERMS.

**Scope of census.**—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or for which products were valued at less than \$500, or the manufacturing done in educational, eleemosynary, and penal institutions.

**Period covered.**—The returns relate to the calendar year 1919, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

**The establishment.**—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city, county, or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city, county, or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

**Classification by industries.**—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products different from those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some of this class of product may be made in establishments in which it is not the product of chief value.

As a rule, the same designation is used for the industry wherever it appears, although all of the products indicated by this designation were not manufactured in the state or city for which these statistics are presented. In some instances the wording is changed so as to more correctly describe the products represented. For a number of industries subclasses are shown which indicate more definitely the kind of products.

**Selected industries.**—The general tables at the end of this section give the principal facts separately for the industries of the state. A selection has been made of certain leading industries of the state for more detailed consideration. Sometimes an industry of great importance has to be omitted because it comprises so few establishments that a detailed presentation would reveal the operations of individual concerns.

**Comparisons with previous censuses.**—Owing to changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. At the census of 1909 the figures for kindred industries were combined. This practice has been followed in compiling the statistics for 1919 and 1914 when placed in com-

parison with those for 1909 and prior years. The comparative summary for 1919, 1914, and 1909, therefore, does not show separately all the industries given for 1919 in the detailed statement for the state.

**Influence of increased prices.**—In comparing figures for cost of materials, value of products, and value added by manufacture in 1919 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

**Persons engaged in the industry.**—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. In comparative tables covering the census of 1904 it is of course necessary to group the figures according to the classification that was employed at the earlier censuses.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date was not a representative day an earlier date was chosen.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, by sex, without distinction of age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined for any state, because, in view of the variations of date, such a total is not believed to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation. This total, however, is shown for the different cities, because the limited area and greater regularity of employment largely overcame the objection incident to its publication for the separate states or the United States.



In order to determine as nearly as possible the age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by age of the wage earners in each industry for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year in that industry to determine the average numbers 16 years and over, and under 16, employed. These calculated averages for the several industries have been added to give the average distribution for each state as a whole and for the entire country.

**Salaries and wages.**—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month, and while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

**Prevailing hours of labor.**—No attempt was made to ascertain the number of wage earners working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one part of the year to another were disregarded, and no attention was paid to the fact that a few wage earners might have hours differing from those of the majority. All the wage earners of each establishment are therefore counted in the class within which the establishment itself falls. In most establishments, however, practically all the wage earners work the same number of hours, so that the figures give a substantially correct representation of the hours of labor.

**Capital.**—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the censuses of 1914 and 1909. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except

as indicating very general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

**Materials.**—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

**Rent and taxes.**—The taxes include certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal-revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individuals and partners.

**Value of products.**—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

**Value added by manufacture.** The value of products is not always a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry, from a manufacturing standpoint, is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

**Cost of manufacture and profits.**—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of depreciation or interest, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

**Primary horsepower.**—This item represents the total primary power generated by the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use.

**Fuel.**—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas—natural and manufactured—and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuel is impracticable. A comparison, however, of the total quantities of the several kinds of fuel used in 1919 and 1914 is given.



## GENERAL STATISTICS.

General character of the state.—California has a gross area of 158,297 square miles, of which 155,652 represent land surface. The inhabitants of the state in 1900 numbered 1,485,053; in 1910, 2,377,549; and in 1920, 3,426,861. In total population California ranked eighth among the states in 1920. The number of inhabitants per square mile in 1910 was 15.3, the corresponding figure for 1920 being 22.

In 1920 there were 25 cities in the state having more than 10,000 inhabitants. (See Table 6.) The combined population of these 25 cities in that year was 1,957,108, or 57.1 per cent of the total for California, and in 1919 they reported 60.1 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The increases in wages, cost of materials, and value of products, from 1914 to 1919, as presented in Table 1, are in a great measure due to the changes in industrial conditions brought about by the World War. The increases shown, however, in average number of wage earners and in horsepower are indicative of a decided growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 accounts for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses. The value of products reported by 4 of the 57 counties in the state—Alameda, Contra Costa, Los Angeles, and San Francisco—represented 67.5 per cent of the total for the state.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always conclusive as indicating their importance from a manufacturing standpoint. The ranking of many industries would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex, for 1919, was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 36.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed 1,400 or more wage earners

in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products, for cities of 10,000 inhabitants or more (Table 6).—During the census period, 1914 to 1919, all of the cities show increases in value of products and average number of wage earners. The increases in value of products are due largely to the increased value of commodities in 1919.

Wage earners, by months (Table 7).—The statistics for wage earners are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months for selected industries, similar data are given for males and females for all industries combined, and also for the 25 cities in the state having 10,000 inhabitants or more. The table shows that there were a number of industries in the state in 1919 in which a considerable proportion of female wage earners were employed, and several in which they predominated.

Prevailing hours of labor (Table 9).—Since 1914 there has been a shortening of the working day in California. In that year 33.5 per cent of the wage earners were reported in the group "48 and under" as against 78.1 per cent in 1919. In 1914, the "60" and "Over 60" groups constituted 29.2 per cent of the total wage earners, as compared with 8.1 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state 96.8 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed 37.7 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 3.2 per cent of the total manufacturing establishments in the state, but reported 62.3 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000"



constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in some instances to combine the establishments of one group of the industry with those of some other group of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no real index of the extent of manufacturing activities.

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 26.2 per cent of the number of establishments in the state in 1919, they reported 81.9 per cent of the average number of wage earners and 83.1 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corporations increased 86,708, or 76.8 per cent, and the value of products, \$1,054,257,556, or 178.1 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table

shows that the combined number of establishments in the 25 cities in 1919 represented 65.5 per cent of the total in the state. They reported in that year 67.8 per cent of the average number of wage earners, 60.1 per cent of the value of products, and 63.8 per cent of the value added by manufacture.

Principal industries in the seven cities in the state of more than 50,000 inhabitants, with per cent of total for the state (Table 16).—This table shows the principal industries in these seven cities, the figures being given for those which can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 56 per cent, or an actual increase of 274,991 horsepower, of which 13,221 horsepower, or 4.8 per cent, was owned power, and 261,770 horsepower, or 95.2 per cent, was rented. The owned power increased 5.7 per cent, and the rented power 100.6 per cent, during the five-year period.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. Of the selected industries shown in this table, steel shipbuilding consumed 43.1 per cent of the anthracite coal; 58.4 per cent of the bituminous coal was used in the manufacture of lime; two industries—foundry and machine-shop products and beet sugar—used 59.9 per cent of the coke; while three industries—petroleum, gas, and cement—consumed 49.4 per cent of the fuel oils.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. <sup>1</sup>			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	11,042	10,057	7,659	6,839	4,997	18.7	31.3	12.0	30.9
Persons engaged.....	296,858	176,547	141,576	120,040	( <sup>2</sup> )	68.1	24.7	17.9	.....
Proprietors and firm members.....	12,452	10,429	8,077	7,402	( <sup>2</sup> )	19.4	29.1	9.1	.....
Salaried employees.....	40,714	26,637	18,203	12,283	6,877	52.8	46.3	48.2	78.6
Wage earners (average number).....	243,692	139,481	115,296	100,355	77,224	74.7	21.0	14.9	30.0
Primary horsepower.....	766,016	491,025	329,100	210,350	126,953	56.0	49.2	58.4	65.7
Capital.....	\$1,233,480,273	\$736,105,455	\$537,134,359	\$282,647,201	\$175,467,806	67.6	37.0	90.0	61.1
Salaries and wages.....	380,627,658	140,842,691	107,096,894	79,055,843	47,385,354	170.3	31.5	35.5	66.8
Salaries.....	75,420,269	35,230,010	22,955,417	14,399,157	7,495,367	114.1	53.5	59.4	92.1
Wages.....	305,207,389	105,612,681	84,141,477	64,656,686	39,889,987	189.0	25.5	30.1	62.1
Paid for contract work.....	7,017,802	3,752,013	2,195,153	2,313,392	( <sup>2</sup> )	87.0	70.9	-5.1	.....
Rent and taxes.....	60,197,715	13,723,591	11,772,354	* 3,961,338	( <sup>2</sup> )	338.6	16.6	.....	.....
Cost of materials.....	1,213,858,518	447,474,531	325,238,074	215,726,414	164,894,269	172.4	37.6	50.8	30.8
Value of products.....	1,981,204,701	712,800,764	529,760,528	367,218,494	257,385,521	177.9	34.6	44.3	42.7
Value added by manufacture.....	762,346,183	265,328,233	204,522,454	151,492,080	92,491,252	187.3	29.7	35.0	63.8

<sup>1</sup> A minus sign (—) denotes decrease.

\* Figures not available.

<sup>2</sup> Exclusive of internal revenue.

<sup>3</sup> Value of products less cost of materials.



TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Num- ber of estab- lish- ments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufac- ture.	Primary horse- power.
		Average number.	Wages.					
The state.....	11,942	243,692	\$305,207,389	\$60,197,715	\$1,218,858,518	\$1,981,204,701	\$702,346,183	766,016
Alameda.....	875	35,909	47,193,254	7,480,351	112,844,302	219,300,376	106,456,074	82,449
Alpine.....	26	180	223,376	10,239	192,812	654,422	461,610	1,909
Amador.....	60	1,213	1,221,896	236,229	4,832,151	8,145,441	3,313,290	6,495
Butte.....	18	112	122,678	20,402	411,155	551,589	140,434	744
Calaveras.....	20	82	105,475	56,931	1,921,529	2,445,078	523,549	917
Colusa.....	163	13,434	19,300,235	6,410,509	213,441,735	281,943,251	68,501,516	70,926
Contra Costa.....	17	366	315,130	16,807	925,044	1,448,469	523,425	561
Del Norte.....	34	750	1,007,098	33,955	804,047	2,363,129	1,469,082	4,493
Eldorado.....	334	5,852	6,064,921	1,101,579	53,810,062	73,091,212	19,281,150	41,064
Fresno.....	14	43	43,223	7,736	604,365	724,515	120,150	259
Glenn.....	133	5,547	7,200,440	527,582	11,061,631	23,450,114	11,788,483	19,572
Humboldt.....	81	587	859,537	155,630	5,296,139	7,291,160	1,995,021	3,285
Imperial.....	26	102	252,175	11,822	627,084	1,011,063	384,579	3,578
Inyo.....	143	1,666	2,320,029	1,056,374	15,248,234	24,027,655	8,779,421	6,589
Kern.....	63	789	831,127	190,944	6,032,228	8,336,347	2,304,119	3,349
Kings.....	14	60	40,380	2,680	68,059	149,630	81,571	225
Lake.....	24	1,775	3,086,889	269,033	833,522	6,398,505	5,565,283	7,108
Lassen.....	3,514	61,665	72,534,095	11,623,967	242,611,066	417,808,804	175,197,738	142,778
Los Angeles.....	25	865	971,902	52,480	1,102,140	2,807,855	1,705,715	2,448
Madera.....	66	583	739,125	82,247	2,781,589	4,300,789	1,519,200	1,783
Marin.....	4	7	6,082	880	13,531	27,074	13,543	113
Mariposa and Mono.....	69	3,192	3,909,290	236,736	2,018,314	7,868,572	5,850,258	6,302
Mendocino.....	53	599	942,767	80,701	2,794,333	4,424,665	1,630,332	1,797
Merced.....	32	41	51,702	4,575	179,574	293,408	113,834	633
Modoc.....	114	1,710	2,161,789	799,634	10,470,683	20,046,043	9,575,360	9,794
Monterey.....	115	790	707,384	435,984	3,192,651	5,818,654	2,626,003	2,143
Napa.....	42	656	857,109	42,934	1,194,799	2,793,948	1,599,149	8,391
Nevada.....	207	1,690	1,756,568	708,711	14,356,091	23,013,628	8,667,537	12,046
Orange.....	42	1,177	1,589,425	34,452	1,743,147	3,783,224	2,040,077	3,698
Placer.....	18	592	829,070	29,627	485,952	1,949,339	1,463,387	5,655
Plumas.....	145	1,727	1,903,826	331,784	5,426,340	10,803,817	5,377,477	11,541
Riverside.....	374	7,080	9,202,706	1,471,788	25,323,709	45,124,465	19,800,756	26,419
Sacramento.....	29	228	263,476	794,852	1,277,520	1,769,350	491,830	2,563
San Benito.....	183	5,419	7,065,537	736,566	14,970,802	27,918,802	12,948,000	28,285
San Bernardino.....	345	3,842	4,010,688	512,429	11,976,035	21,855,132	9,879,007	11,600
San Diego.....	2,360	48,550	59,704,342	16,039,587	261,418,243	417,321,277	165,903,034	99,748
San Francisco.....	298	4,685	5,998,190	2,071,361	23,111,596	38,091,810	14,980,214	17,733
San Joaquin.....	63	543	714,850	159,520	7,394,308	10,415,030	3,020,722	2,753
San Luis Obispo.....	117	6,837	11,218,710	510,870	27,528,991	47,864,258	20,335,237	18,898
San Mateo.....	139	890	1,032,364	351,842	4,295,016	8,457,623	4,162,567	3,387
Santa Barbara.....	377	7,186	8,327,273	1,609,577	41,031,855	64,431,991	23,400,136	14,107
Santa Clara.....	115	1,647	1,776,708	197,028	5,000,318	10,279,057	5,278,739	14,008
Santa Cruz.....	35	496	668,873	62,721	1,679,083	2,831,958	1,202,876	6,991
Shasta.....	10	211	344,563	3,674	190,745	629,272	438,527	948
Sierra.....	52	2,614	4,100,725	301,809	3,930,871	11,416,993	7,480,122	8,973
Siskiyou.....	70	1,767	2,456,450	298,111	24,766,033	32,236,056	7,469,423	13,334
Solano.....	422	1,614	2,036,553	1,324,980	14,640,682	21,381,937	6,735,255	6,423
Sonoma.....	110	1,337	1,586,331	319,633	11,398,970	16,257,377	3,858,407	4,596
Stanislaus.....	10	106	190,108	120,545	1,018,781	2,602,863	984,082	213
Sutter.....	38	433	449,219	21,678	1,103,518	1,927,817	824,299	1,512
Tehama.....	6	6	4,024	384	5,886	16,850	10,974	79
Trinity.....	123	1,192	1,287,012	327,282	7,622,187	11,767,929	4,145,742	2,480
Tulare.....	29	1,455	1,758,681	111,133	863,087	8,703,408	2,840,321	6,792
Tuolumne.....	91	692	1,066,209	517,018	6,296,336	10,596,046	4,330,610	9,042
Ventura.....	34	158	201,284	36,441	1,690,594	2,517,753	557,150	1,302
Yolo.....	23	323	386,346	43,211	1,462,444	3,606,162	2,203,718	1,216
Yuba.....								



TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	11,942	243,692	100.0	\$1,981,205	100.0	\$762,316	100.0	Copper, tin, and sheet-iron work..	322	1,462	0.6	\$7,160	0.4	\$3,919	0.5
Petroleum, refining.....	45	5,132	2.1	213,202	10.8	71,416	9.4	Ice, manufactured.....	117	1,535	0.6	7,112	0.4	4,911	0.6
Canning and preserving, fruits and vegetables.....	303	19,575	8.0	189,956	9.6	61,316	8.0	Shipbuilding, wooden, including boat building.....	49	1,478	0.6	6,731	0.3	4,563	0.6
Shipbuilding, steel.....	18	46,052	18.9	179,152	9.0	104,690	13.7	Explosives.....	3	611	0.3	6,408	0.3	3,555	0.5
Slaughtering and meat packing.....	91	3,405	1.4	92,654	4.7	15,138	2.0	Paper and wood pulp.....	7	806	0.3	5,806	0.3	2,398	0.3
Flour-mill and gristmill products.....	134	1,779	0.7	65,448	3.3	8,566	1.1	Chocolate and cocoa products.....	4	252	0.1	5,663	0.3	1,857	0.2
Foundry and machine-shop products.....	595	9,827	4.0	51,337	2.6	28,698	3.8	Sulphuric, nitric, and mixed acids.....	4	576	0.2	5,440	0.3	3,381	0.4
Bread and other bakery products.....	1,095	5,304	2.2	48,957	2.5	17,657	2.3	Brick and tile, terra-cotta, and fire-clay products.....	60	1,747	0.7	5,211	0.3	3,887	0.4
Lumber and timber products.....	195	16,957	7.0	47,311	2.4	36,772	4.8	Iron and steel, wrought pipe.....	16	687	0.3	5,024	0.3	3,011	0.4
Lumber, planing-mill products, not including planing mills connected with sawmills.....	325	6,215	2.6	42,832	2.2	14,616	1.9	Boxes, paper and other, not elsewhere specified.....	31	1,253	0.5	4,998	0.3	2,317	0.3
Cars and general shop construction and repairs by steam-railroad companies.....	60	16,213	6.7	41,927	2.1	26,166	3.4	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	20	513	0.2	4,941	0.2	2,942	0.4
Butter.....	121	1,268	0.5	40,660	2.1	4,314	0.6	Wirework, including wire rope and cable, not elsewhere specified.....	26	320	0.1	4,860	0.2	1,893	0.2
Automobiles.....	12	1,327	0.5	36,627	1.8	9,601	1.3	Structural ironwork, not made in steel works or rolling mills.....	58	742	0.3	4,834	0.2	2,208	0.3
Printing and publishing, newspapers and periodicals.....	764	4,770	2.0	34,343	1.7	24,666	3.2	Lithographing.....	11	696	0.3	4,583	0.2	2,716	0.4
Tinware, not elsewhere specified.....	16	2,915	1.2	26,807	1.4	5,894	0.8	Roofing materials.....	9	506	0.2	4,568	0.2	1,800	0.2
Sugar, beet.....	10	1,512	0.6	26,354	1.3	12,200	1.6	Cooperage, hogsheads and barrels.....	15	390	0.2	4,191	0.2	1,534	0.2
Coffee and spice, roasting and grinding.....	70	796	0.3	26,311	1.3	6,430	0.8	Mattresses and spring beds, not elsewhere specified.....	49	609	0.3	4,157	0.2	1,671	0.2
Automobile repairing.....	1,048	5,992	2.5	24,894	1.3	15,627	2.1	Cars and general shop construction and repairs by electric-railroad companies.....	22	1,731	0.7	4,058	0.2	2,254	0.3
Confectionery and ice cream.....	298	4,083	1.7	23,226	1.2	9,732	1.3	Liquors, distilled.....	3	234	0.1	3,908	0.2	1,526	0.2
Leather, tanned, curried, and finished.....	21	1,453	0.6	21,416	1.1	4,945	0.6	Millinery and lace goods, not elsewhere specified.....	67	1,041	0.4	3,902	0.2	1,785	0.2
Gas, illuminating and heating.....	57	2,444	1.0	20,441	1.0	12,441	1.6	Cheese.....	48	210	0.1	3,792	0.2	538	0.1
Rice, cleaning and polishing.....	14	337	0.1	20,264	1.0	3,085	0.4	Glass.....	7	1,333	0.5	3,761	0.2	2,435	0.3
Printing and publishing, book and job.....	661	3,818	1.6	19,871	1.0	12,093	1.6	Fertilizers.....	17	284	0.1	3,610	0.2	1,077	0.1
Iron and steel, steel works and rolling mills.....	8	3,476	1.4	18,192	0.9	8,683	1.1	Mineral and soda waters.....	195	468	0.2	3,518	0.2	1,805	0.2
Canning and preserving, fish.....	57	2,939	1.2	17,483	0.9	7,069	0.9	Pumps, steam and other power.....	11	406	0.2	3,419	0.2	1,907	0.3
Oil, not elsewhere specified.....	24	411	0.2	16,777	0.8	2,805	0.4	Babbitt metal and solder.....	7	111	0.1	3,349	0.2	570	0.1
Food preparations, not elsewhere specified.....	172	1,049	0.4	16,633	0.8	4,390	0.6	Brass, bronze, and copper products.....	45	492	0.2	3,316	0.2	1,498	0.2
Clothing, women's.....	165	3,124	1.3	14,216	0.7	6,716	0.8	Boots and shoes.....	14	614	0.3	3,217	0.2	1,278	0.2
Furniture.....	176	2,893	1.2	13,610	0.7	7,327	1.0	Knit goods.....	21	605	0.3	2,878	0.1	1,361	0.2
Bags, other than paper, not including bags made in textile mills.....	6	487	0.2	13,415	0.7	2,314	0.3	Awnings, tents, and sails.....	47	327	0.1	2,866	0.1	1,117	0.2
Engines, steam, gas, and water.....	22	2,231	0.9	12,687	0.6	7,041	0.9	Marble and stone work.....	128	530	0.2	2,830	0.1	1,760	0.2
Condensed milk.....	11	544	0.2	11,968	0.6	1,897	0.2	Jewelry.....	88	350	0.3	2,565	0.1	1,090	0.2
Pickles, preserves, and sauces.....	84	1,719	0.7	11,840	0.6	4,534	0.6	Smelting, copper.....	3	289	0.1	2,532	0.1	791	0.1
Paints.....	41	716	0.3	11,434	0.6	4,044	0.5	Fur goods.....	33	325	0.1	2,515	0.1	1,143	0.2
Liquors, malt.....	20	935	0.4	11,419	0.6	3,195	1.1	Bookbinding and blank-book making.....	40	623	0.3	2,463	0.1	1,576	0.2
Clothing, men's.....	62	2,411	1.0	11,405	0.6	4,022	0.5	Grease and tallow, not including lubricating greases.....	19	163	0.1	2,427	0.1	735	0.1
Electrical machinery, apparatus, and supplies.....	73	2,008	0.8	11,368	0.6	6,338	0.8	Patent medicines and compounds.....	90	278	0.1	2,383	0.1	1,382	0.2
Soap.....	27	608	0.2	11,295	0.6	2,983	0.4	Salt.....	24	446	0.2	2,286	0.1	1,201	0.2
Cement.....	8	1,316	0.5	11,258	0.6	7,144	0.9	Artificial stone products.....	114	608	0.3	2,254	0.1	1,399	0.2
Tobacco, cigars and cigarettes.....	244	1,677	0.7	10,767	0.5	5,980	0.8	Furnishing goods, men's.....	8	263	0.1	2,205	0.1	907	0.1
Chemicals.....	49	1,466	0.6	10,539	0.5	4,409	0.6	Shirts.....	18	530	0.2	2,172	0.1	846	0.1
Photographic materials.....	31	824	0.3	9,672	0.5	5,518	0.7	Gloves and mittens, leather.....	27	665	0.3	2,049	0.1	1,193	0.2
Agricultural implements.....	34	1,578	0.6	9,400	0.5	5,773	0.8	All other industries <sup>1</sup> .....	1,592	18,539	7.6	239,880	12.1	55,369	7.3
Liquors, vinous.....	287	600	0.2	9,142	0.5	5,227	0.7								
Boxes, wooden packing, except cigar boxes.....	46	1,657	0.7	8,900	0.4	3,152	0.4								
Automobile bodies and parts.....	253	1,681	0.7	7,735	0.4	4,443	0.6								

<sup>1</sup> Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are 5 having products in excess of some for which figures are shown in the table. These industries are as follows: "Cars, steam-railroad, not including operations of railroad companies"; "cotton goods"; "oil and cake, cottonseed"; "smelting and refining, lead"; and "sugar, refining, not including beet sugar."



TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	296,858	248,940	47,918	83.9	16.1	Clerks and other subordinate sal- aried employees.	1919	29,565	19,766	9,799	66.9	33.1
	1914	176,847	151,532	25,015	85.8	14.2		1914	19,897	15,625	4,272	78.5	21.5
	1909	141,576	123,929	17,647	87.5	12.5		1909	12,640	9,672	2,968	76.5	23.5
Proprietors and officials.....	1919	23,601	22,605	996	95.8	4.2	Wage earners (average number)...	1919	243,692	206,569	37,123	84.8	15.2
	1914	17,169	16,606	563	96.7	3.3		1914	139,481	119,301	20,180	85.5	14.5
	1909	13,640	13,293	347	97.5	2.5		1909	115,296	100,964	14,332	87.6	12.4
Proprietors and firm members.	1919	12,452	11,912	540	95.7	4.3	16 years of age and over.....	1919	242,165	205,601	36,564	84.9	15.1
	1914	10,429	10,027	402	96.1	3.9		1914	138,210	118,690	19,520	85.9	14.1
	1909	8,077	7,826	251	96.9	3.1		1909	114,236	100,218	14,018	87.7	12.3
Salaried officers of corporations.	1919	3,456	3,271	185	94.6	5.4	Under 16 years of age.....	1919	1,527	968	559	63.4	36.6
	1914	2,790	2,677	113	95.9	4.1		1914	1,271	611	660	48.1	51.9
	1909	2,103	2,036	67	96.8	3.2		1909	1,060	746	314	70.4	29.6
Superintendents and mana- gers.	1919	7,693	7,422	271	96.5	3.5							
	1914	3,950	3,902	48	98.8	1.2							
	1909	3,460	3,431	29	99.2	0.8							

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Under 16 years of age.				16 years of age and over.		Under 16 years of age.
			Male.	Fe- male.					Male.	Fe- male.	
All industries.....	1919	243,692	84.4	15.0	0.6	Foundry and machine-shop products <sup>3</sup> .....	1919	10,118	98.9	1.0	0.1
	1914	139,481	85.1	14.0	0.9		1914	5,273	99.3	0.4	0.3
	1909	115,296	86.9	12.2	0.9	Furniture.....	1919	2,883	91.6	7.5	0.9
Agricultural implements.....	1919	1,578	98.5	1.4	0.1		1914	1,601	97.6	1.6	0.8
	1914	704	99.4	0.3	0.3	Gas, illuminating and heating.....	1919	2,444	99.9	0.1	(1)
Automobile bodies and parts.....	1919	1,681	96.5	3.3	0.2		1914	2,317	99.9	.....	0.1
	1914	439	96.8	3.0	0.2	Ice, manufactured.....	1919	1,535	99.5	0.3	0.3
Automobile repairing.....	1919	5,992	98.9	0.7	0.4		1914	1,139	99.9	.....	0.1
	1914	1,532	99.7	0.3	0.1	Iron and steel, steel works and rolling mills..	1919	3,476	99.2	0.7	(1)
Boxes, wooden packing, except cigar boxes.	1919	1,657	88.4	11.0	0.6		1914	1,244	99.9	0.1	.....
	1914	1,156	94.6	4.8	0.5	Leather, tanned, curried, and finished.....	1919	1,453	96.9	2.9	0.2
Bread and other bakery products.....	1919	5,394	73.3	26.0	0.7		1914	1,361	99.8	0.2	.....
	1914	4,851	78.7	20.7	0.7	Lumber and timber products.....	1919	16,937	97.1	2.8	0.2
Brick and tile, terra-cotta, and fire-clay products.	1919	1,747	96.8	2.6	0.6		1914	15,087	99.4	0.5	0.2
	1914	2,387	99.2	0.6	0.2	Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.	1919	6,215	98.0	1.8	0.2
Canning and preserving, fish.....	1919	2,989	49.1	50.8	0.1		1914	6,109	99.6	0.1	0.3
	1914	747	55.6	44.4	.....	Petroleum, refining.....	1919	5,132	97.6	2.4	.....
Canning and preserving, fruits and vege- tables.	1919	19,575	49.0	47.8	3.2		1914	1,930	99.9	0.1	.....
	1914	11,029	38.6	55.5	5.9	Pickles, preserves, and sauces.....	1919	1,719	39.1	60.6	0.3
Cars and general shop construction and re- pairs by electric-railroad companies.	1919	1,731	98.8	1.2	.....		1914	896	40.4	58.5	1.1
	1914	2,086	100.0	.....	.....	Printing and publishing, book and job....	1919	3,818	73.7	24.7	1.7
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	16,213	99.3	0.7	.....		1914	3,172	74.8	23.8	1.4
	1914	11,563	100.0	.....	(1)	Printing and publishing, newspapers and periodicals.	1919	4,770	86.3	6.6	7.1
Chemicals.....	1919	1,466	98.5	1.4	0.1		1914	4,334	90.4	7.8	1.8
	1914	257	99.2	0.4	0.4	Shipbuilding, steel.....	1919	46,052	99.9	0.1	.....
Clothing, men's.....	1919	2,411	16.1	83.5	0.5		1914	3,096	100.0	.....	.....
	1914	2,037	21.1	78.3	0.6	Shipbuilding, wooden, including boat building.	1919	1,478	99.9	0.1	.....
Clothing, women's.....	1919	3,124	16.2	83.2	0.6		1914	361	97.2	2.2	0.6
	1914	1,060	36.8	63.2	.....	Slaughtering and meat packing.....	1919	3,405	93.8	6.0	0.1
Confectionery and ice cream <sup>2</sup> .....	1919	4,214	41.9	57.6	0.5		1914	2,172	96.5	3.0	0.4
	1914	2,104	35.2	57.5	7.4	Sugar, beet.....	1919	1,512	97.0	3.0	0.1
Copper, tin, and sheet-iron work.....	1919	1,462	96.8	3.2	.....		1914	2,009	99.2	0.7	0.1
	1914	1,246	98.1	1.3	0.6	Tinware, not elsewhere specified <sup>4</sup> .....	1919	2,915	69.0	31.0	.....
Electrical machinery, apparatus, and sup- plies.	1919	2,008	58.8	41.0	0.1	Tobacco, cigars and cigarettes.....	1919	1,677	52.9	46.1	1.0
	1914	780	69.6	29.9	0.5		1914	1,507	68.9	30.6	0.5
Engines, steam, gas, and water.....	1919	2,231	98.7	1.2	0.1	All other industries.....	1919	48,881	78.4	21.1	0.5
	1914	813	99.0	0.1	0.9		1914	40,015	84.9	14.8	0.4
Flour-mill and gristmill products.....	1919	1,779	91.8	8.0	0.1						
	1914	1,067	94.6	4.6	0.8						

<sup>1</sup> Less than one-tenth of 1 per cent.<sup>2</sup> Includes "chewing gum."<sup>3</sup> Includes "iron and steel, tempering and welding"; "machine tools"; and "steel barrels, drums, and tanks."<sup>4</sup> Not shown separately in 1914.



TABLE G.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.		
	Total.			16 years of age and over.						Under 16 years of age.					
				Male.			Female.								
				1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Alameda.....	6,787	1,087	915	6,746	1,046	896	41	38	17	.....	3	2	\$25,440,598	\$2,786,176	\$2,554,417
Bakersfield.....	1,178	894	749	1,158	882	742	20	12	2	.....	.....	.....	5,699,051	2,928,373	2,818,744
Berkeley.....	2,319	1,328	1,084	1,779	944	924	482	370	145	58	14	15	28,351,212	7,321,044	4,435,374
Eureka.....	977	739	946	921	763	897	19	34	46	37	2	3	3,900,268	2,480,374	3,011,682
Fresno.....	3,903	2,903	1,938	3,134	1,699	1,168	720	1,204	745	49	.....	25	48,643,823	16,520,109	11,090,195
Glendale.....	216	.....	.....	164	.....	.....	52	.....	.....	.....	.....	.....	1,173,720	.....	.....
Long Beach.....	3,709	885	277	3,307	645	262	462	237	11	.....	3	1	14,382,769	2,044,888	927,180
Los Angeles.....	47,118	23,744	17,327	38,643	19,428	15,005	8,317	4,241	2,075	158	75	187	278,184,143	103,457,993	68,586,274
Oakland.....	23,347	7,706	6,905	20,548	5,879	5,601	2,664	1,795	1,064	135	32	240	134,755,470	23,521,828	22,342,026
Pasadena.....	1,044	636	490	785	397	355	238	109	121	21	30	23	5,767,527	1,071,891	1,724,364
Pomona.....	535	322	224	381	201	111	145	110	113	9	11	.....	3,754,153	825,000	559,061
Richmond.....	4,305	.....	.....	4,124	.....	.....	169	.....	.....	12	.....	.....	75,315,608	.....	.....
Riverside.....	.....	1,277	263	359	1,261	249	68	113	12	.....	13	2	2,354,476	1,021,929	1,012,675
Sacramento.....	6,341	5,334	4,521	5,425	4,421	4,040	786	596	463	130	317	18	34,198,080	16,382,670	14,006,303
San Bernardino.....	2,107	1,077	729	2,027	1,050	714	60	22	10	20	5	5	7,473,789	2,612,669	1,659,705
San Diego.....	3,427	2,060	1,071	2,752	1,698	955	662	356	102	13	6	14	20,225,723	9,020,895	4,740,990
San Francisco.....	48,550	31,758	28,244	37,784	24,427	22,852	10,540	7,019	5,173	226	312	219	417,321,277	162,209,705	133,041,080
San Jose.....	3,060	2,029	1,399	2,090	1,107	841	928	761	540	72	161	18	25,135,500	10,800,117	5,482,747
Santa Ana.....	628	.....	.....	417	.....	.....	209	.....	.....	.....	.....	.....	3,627,249	.....	.....
Santa Barbara.....	481	276	239	403	261	220	37	12	16	41	3	3	1,943,533	843,673	842,831
Santa Cruz.....	572	401	274	461	368	269	91	33	5	20	.....	.....	3,044,114	1,320,427	1,161,269
Santa Monica.....	136	.....	.....	97	.....	.....	39	.....	.....	.....	.....	.....	519,241	.....	.....
Stockton.....	8,534	1,919	1,571	3,213	1,671	1,384	292	242	186	29	6	1	30,675,898	11,293,483	11,470,425
Vallejo.....	478	292	203	461	269	189	15	23	14	2	.....	.....	18,056,382	3,071,019	1,895,562
Venice.....	48	.....	.....	22	.....	.....	26	.....	.....	.....	.....	.....	193,413	.....	.....

<sup>1</sup> Figures do not agree with those published, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.			MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	231,968	110,688	94,747	82.2	74.3	71.6	July.....	275,146	157,054	124,886	97.5	97.5	94.4
February.....	<i>220,158</i>	121,611	<i>94,262</i>	78.0	75.5	71.3	August.....	<b>282,312</b>	<b>161,072</b>	131,202	100.0	100.0	99.2
March.....	223,632	126,749	100,372	79.2	78.7	75.9	September.....	276,078	159,574	<b>132,280</b>	98.0	99.1	100.0
April.....	233,033	135,252	108,437	82.5	84.0	82.0	October.....	244,813	152,431	120,864	86.7	94.6	98.2
May.....	241,630	140,981	115,839	85.6	87.5	87.6	November.....	223,216	132,945	121,486	79.1	82.5	91.8
June.....	249,880	144,762	110,911	88.5	89.9	90.6	December.....	221,849	121,653	110,281	78.6	75.5	83.4

<sup>1</sup> The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

(The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by italic figures.)

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries.....	243,692	231,968	<i>220,158</i>	223,632	233,033	241,630	249,880	275,146	<b>282,312</b>	276,078	244,813	223,216	221,849	78.0
Males.....	206,569	201,214	194,464	197,686	205,742	214,374	216,077	222,358	<b>225,087</b>	225,073	199,392	<i>189,154</i>	183,807	82.0
Females.....	37,123	27,754	25,674	<i>25,646</i>	27,291	27,255	33,803	52,788	57,225	51,005	45,421	35,002	33,512	41.8
Agricultural implements.....	1,578	<b>2,119</b>	2,067	1,796	1,675	1,621	1,451	1,287	<i>1,184</i>	1,196	1,393	1,522	1,632	56.1
Automobile bodies and parts.....	1,681	<b>1,439</b>	1,462	1,506	1,592	1,659	1,713	1,672	1,750	1,789	1,820	1,809	1,621	71.9
Automobile repairing.....	5,992	<b>5,483</b>	5,524	5,613	5,714	5,937	5,944	6,138	6,166	6,279	6,323	6,357	6,426	85.3
Boxes, wooden packing, except cigar boxes.....	1,667	<b>1,377</b>	1,369	1,533	1,553	1,612	1,603	1,750	1,837	1,843	1,838	1,765	1,774	72.5
Bread and other bakery products.....	5,394	<b>5,237</b>	<i>5,220</i>	5,257	5,223	5,255	5,360	5,429	5,398	5,456	5,574	5,610	5,709	91.4
Brick and tile, terra-cotta, and fire-clay products.....	1,747	<b>1,218</b>	1,241	1,369	1,619	1,712	1,837	1,953	2,003	1,921	1,923	2,044	2,124	57.3
Canning and preserving, fish.....	2,989	<b>4,065</b>	2,752	1,880	1,183	976	2,154	4,718	4,512	4,212	3,629	2,857	2,430	20.7
Canning and preserving, fruits and vegetables.....	19,575	<b>8,121</b>	5,289	<i>4,862</i>	8,203	8,550	16,190	38,106	<b>44,571</b>	38,414	31,273	19,574	11,738	10.9
Cars and general shop construction and repairs by electric-railroad companies.....	1,731	<b>1,765</b>	1,839	1,783	1,787	1,787	<i>1,552</i>	1,779	1,717	1,586	1,637	1,739	1,801	84.4
Cars and general shop construction and repairs by steam-railroad companies.....	16,213	<b>15,234</b>	15,482	15,386	16,101	16,120	15,903	16,030	16,172	16,379	16,705	17,162	17,382	87.6
Chemicals.....	1,466	<b>1,836</b>	1,728	1,622	1,463	1,337	<i>1,273</i>	1,275	1,346	1,392	1,400	1,429	1,441	67.5
Clothing, men's.....	2,411	<b>2,180</b>	2,268	2,254	2,211	2,269	2,318	2,381	2,477	2,390	2,548	2,768	2,848	78.5
Clothing, women's.....	3,124	<b>2,974</b>	2,561	2,850	2,938	3,003	3,250	3,104	3,286	3,602	3,731	3,674	3,215	63.6
Confectionery and ice cream.....	4,083	<b>3,497</b>	3,561	3,709	3,810	3,744	3,881	3,903	4,210	4,450	4,671	4,629	4,722	72.1
Copper, tin, and sheet-iron work.....	1,462	<b>1,452</b>	<i>1,363</i>	1,408	1,376	1,391	1,467	1,485	1,610	1,557	1,426	1,499	1,520	84.0
Electrical machinery, apparatus, and supplies.....	2,008	<b>1,895</b>	1,899	1,837	1,873	<i>1,808</i>	1,804	2,031	2,107	2,084	2,275	2,328	2,280	77.4
Engines, steam, gas, and water.....	2,231	<b>2,715</b>	2,150	1,697	2,424	2,366	2,418	2,437	2,613	2,624	<i>1,691</i>	1,784	1,653	62.3
Flour-mill and gristmill products.....	1,779	<b>1,822</b>	1,710	<i>1,615</i>	1,631	1,646	1,637	1,800	1,773	1,835	1,891	2,005	1,950	90.5
Foundry and machine-shop products.....	9,827	<b>10,178</b>	9,160	8,840	19,289	10,531	10,637	10,732	10,941	10,832	8,229	8,391	9,242	75.2
Furniture.....	2,853	<b>2,218</b>	2,344	2,303	2,524	2,590	2,783	3,000	3,154	3,216	3,369	3,477	3,530	62.8



TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Gas, illuminating and heating.....	2,444	2,208	<i>2,079</i>	2,140	2,336	2,378	2,452	2,508	2,490	2,436	2,714	2,851	2,736	72.9
Ice, manufactured.....	1,535	<i>1,777</i>	1,190	1,299	1,420	1,560	1,695	1,938	1,927	1,829	1,747	1,396	1,272	60.7
Iron and steel, steel works and rolling mills.....	3,476	3,566	3,450	3,430	3,317	3,439	<i>3,509</i>	3,376	3,538	3,431	3,746	3,518	3,562	88.3
Leather, tanned, curried, and finished.....	1,453	1,455	1,423	1,408	1,428	<i>1,401</i>	1,438	1,503	1,506	1,483	1,747	1,438	1,466	93.0
Lumber and timber products.....	16,957	<i>11,023</i>	11,042	12,168	16,328	19,192	19,749	20,957	20,218	19,928	19,581	18,550	14,748	52.6
Lumber, planing-mill products, not including planing-mills connected with sawmills.....	6,215	5,311	<i>5,262</i>	5,263	5,504	5,867	6,306	6,585	6,679	6,678	6,951	7,053	7,121	73.9
Petroleum, refining.....	5,132	5,066	4,894	4,753	4,737	4,785	5,024	5,222	5,385	5,399	5,295	5,417	5,606	84.8
Pickles, preserves, and sauces.....	1,719	1,432	1,181	1,005	<i>934</i>	1,244	1,375	2,143	2,234	2,413	2,433	2,236	1,998	33.4
Printing and publishing, book and job.....	3,818	<i>5,560</i>	3,638	3,650	3,701	3,730	3,814	3,867	3,852	3,844	3,933	4,061	4,166	85.5
Printing and publishing, newspapers and periodicals.....	4,770	4,615	4,699	4,673	<i>4,590</i>	4,627	4,671	4,700	4,803	4,790	4,893	<i>5,101</i>	5,018	90.0
Shipbuilding, steel.....	46,052	58,000	53,920	57,597	56,567	60,447	57,702	52,312	49,729	47,953	21,497	<i>12,754</i>	23,764	21.1
Shipbuilding, wooden, including boat building.....	1,478	2,017	1,999	1,970	2,015	1,691	1,735	1,622	1,555	1,188	680	<i>600</i>	3,618	29.7
Slaughtering and meat packing.....	3,405	3,326	3,433	3,540	3,341	3,312	3,326	<i>3,271</i>	3,353	3,324	3,441	3,470	3,514	92.3
Sugar, beet.....	1,512	1,179	<i>552</i>	646	719	760	811	1,191	1,625	2,771	3,654	2,731	1,505	15.1
Tinware, not elsewhere specified.....	2,915	2,024	2,474	2,410	2,391	2,374	2,504	3,186	3,926	3,759	3,639	2,885	2,795	60.6
Tobacco, cigars and cigarettes.....	1,077	<i>1,480</i>	1,516	1,587	1,590	1,563	1,581	1,578	1,669	1,787	1,901	1,927	1,939	76.6
All other industries.....	49,303	46,557	46,497	<i>46,439</i>	46,926	47,339	47,269	48,177	48,936	50,029	53,872	<i>54,605</i>	54,391	85.0
<i>Industries showing large proportion of females.</i>														
Bread and other bakery products.....	1,411	1,392	1,364	1,376	<i>1,337</i>	1,357	1,373	1,411	1,385	1,377	1,476	1,517	1,587	85.3
Canning and preserving, fish.....	1,519	1,093	1,385	1,324	579	<i>524</i>	1,211	2,732	2,403	2,268	1,803	1,267	1,339	11.9
Canning and preserving, fruits and vegetables.....	9,768	2,352	1,231	1,373	3,153	2,960	8,040	24,112	27,792	21,337	14,378	7,220	3,235	4.4
Clothing, men's.....	2,022	<i>1,827</i>	1,924	1,884	1,849	1,879	1,918	1,907	2,042	2,045	2,174	2,266	2,392	70.4
Clothing, women's.....	2,615	1,028	2,072	2,319	2,423	2,565	2,730	2,727	2,878	3,016	3,124	2,983	2,675	61.7
Confectionery and ice cream.....	2,339	<i>2,008</i>	2,057	2,134	2,152	2,061	2,058	2,038	2,298	2,559	2,812	2,962	2,935	67.6
Electrical machinery, apparatus, and supplies.....	824	866	828	812	828	772	760	829	846	773	837	869	838	57.5
Pickles, preserves, and sauces.....	1,044	821	610	540	<i>496</i>	789	818	1,410	1,426	1,527	1,938	1,367	1,186	32.2
Printing and publishing, book and job.....	950	882	896	894	906	913	958	996	951	940	974	1,030	1,060	83.2
Tinware, not elsewhere specified.....	904	854	724	727	697	722	785	1,103	1,251	1,167	1,132	888	798	55.7
Tobacco, cigars and cigarettes.....	773	638	671	731	730	717	726	731	799	845	894	908	886	70.3
Total for cities.....	165,311	166,443	157,300	160,134	163,540	168,707	171,828	180,533	<i>182,811</i>	180,595	157,277	<i>144,804</i>	150,255	78.9
Males.....	137,899	143,718	135,994	138,564	141,292	146,400	145,915	146,659	<i>146,931</i>	146,521	124,785	<i>114,667</i>	123,342	78.0
Females.....	27,412	22,725	<i>21,306</i>	21,570	22,248	22,307	25,913	33,879	35,880	34,074	32,492	29,637	26,913	59.4
ALAMEDA.....	6,787	8,117	8,240	6,863	6,855	8,719	8,942	7,612	7,168	6,675	5,905	<i>2,204</i>	4,144	24.6
Males.....	6,740	8,076	8,198	6,822	6,815	8,677	8,900	7,572	7,123	6,633	5,884	<i>2,163</i>	4,104	24.3
Females.....	41	41	42	41	40	42	42	40	40	42	41	41	40	95.2
BAKERSFIELD.....	1,178	1,087	<i>1,080</i>	1,102	1,106	1,106	1,143	1,167	1,251	1,291	1,280	1,281	1,242	83.7
Males.....	1,158	1,074	<i>1,068</i>	1,089	1,086	1,086	1,121	1,151	1,209	1,233	1,255	1,266	1,223	84.4
Females.....	20	13	12	13	20	20	22	16	42	28	25	15	14	23.6
BERKELEY.....	2,319	2,181	2,096	<i>1,966</i>	2,033	2,171	2,408	2,755	2,835	2,685	2,344	2,274	2,141	67.2
Males.....	1,815	1,777	1,689	<i>1,561</i>	1,669	1,783	1,844	1,985	2,088	2,179	1,800	1,771	1,674	60.8
Females.....	504	404	407	384	364	388	564	770	747	506	544	503	467	47.3
EUREKA.....	977	<i>766</i>	782	808	809	895	945	1,068	1,095	1,189	1,202	1,131	1,034	63.7
Males.....	958	<i>749</i>	765	790	791	876	926	1,046	1,075	1,171	1,184	1,105	1,018	63.3
Females.....	19	17	17	18	18	19	19	22	20	18	18	26	16	61.5
FRESNO.....	3,903	3,705	2,720	<i>2,510</i>	2,685	2,908	3,213	3,737	3,459	4,356	6,923	5,870	4,752	36.3
Males.....	3,175	2,899	2,320	<i>2,099</i>	2,399	2,643	2,912	3,470	2,925	3,411	5,911	4,238	3,773	41.9
Females.....	728	806	400	411	286	265	301	267	534	945	1,012	1,632	979	13.8
GLENDALE.....	216	214	223	227	232	222	219	214	211	<i>199</i>	201	205	225	85.8
Males.....	164	<i>152</i>	159	164	177	163	163	161	159	156	163	167	184	82.0
Females.....	52	62	64	63	55	59	56	53	52	43	38	38	41	60.4
LONG BEACH.....	3,769	4,497	4,363	<i>4,646</i>	4,091	3,826	3,797	3,905	3,808	3,887	<i>2,559</i>	3,014	3,055	50.3
Males.....	3,307	3,973	3,937	<i>4,177</i>	3,832	3,563	3,440	3,268	3,390	3,450	<i>1,778</i>	2,501	2,565	42.6
Females.....	462	524	426	469	259	263	357	637	508	537	561	513	490	40.7
LOS ANGELES.....	47,118	48,597	46,953	47,072	47,109	47,523	<i>44,152</i>	45,586	47,760	48,037	44,783	48,602	49,222	89.7
Males.....	38,759	41,589	40,409	40,494	40,442	40,069	36,576	36,135	37,382	37,743	34,785	38,877	40,307	82.9
Females.....	8,359	7,001	<i>6,544</i>	6,578	6,667	6,854	7,576	9,451	10,368	10,294	10,305	9,725	8,915	63.1
OAKLAND.....	23,347	22,641	17,943	23,400	26,761	27,778	29,224	30,158	33,396	28,611	12,867	<i>12,859</i>	17,517	42.8
Males.....	20,631	20,421	15,877	21,297	24,000	25,446	26,337	26,011	28,430	25,009	10,808	10,523	15,313	39.0
Females.....	2,716	2,220	<i>2,066</i>	2,112	2,761	2,332	2,887	4,147	3,966	3,602	2,559	2,336	2,204	49.8
PASADENA.....	1,044	844	<i>817</i>	862	850	957	934	1,257	1,296	1,257	1,215	1,130	1,070	63.0
Males.....	797	705	677	690	691	743	742	814	894	881	893	883	903	75.0
Females.....	247	138	140	163	168	214	192	443	402	373	317	247	167	31.2
POMONA.....	535	329	<i>324</i>	330	342	358	391	1,042	997	773	616	547	371	31.1
Males.....	381	310	<i>305</i>	310	322	337	309	499	432	408	425	399	346	61.1
Females.....	154	19	<i>19</i>	20	20	21	22	543	515	365	191	148	25	3.5
RICHMOND.....	4,305	4,458	4,290	4,294	4,315	4,336	4,270	<i>4,155</i>	4,246	4,296	4,144	4,260	4,597	89.7
Males.....	4,136	4,091	4,023	4,116	4,139	4,163	4,123	<i>4,017</i>	4,132	4,183	4,035	4,156	4,454	90.2
Females.....	169	367	276	178	176	173	147	<i>108</i>	114	113	109	124	143	20.4
RIVERSIDE.....	421	392	404	346	<i>340</i>	422	431	461	461	456	439	437	463	73.4
Males.....	363	343	361	328	<i>314</i>	352	357	375	373	374	374	396	409	76.8
Females.....	58	49	43	18	26	70	74	86	88	82	65	41	54	20.5
SACRAMENTO.....	6,341	5,442	<i>5,159</i>	5,532	6,636	5,983	6,746	6,681	7,762	7,279	6,911	6,204	5,757	66.5
Males.....	5,490	5,122	<i>4,911</i>	4,972	5,387	5,280	5,420	5,554	5,993	6,086	6,043	5,687	5,517	80.7
Females.....	845	320	<i>248</i>	560	1,249	723	1,326	1,127	1,769	1,193	868	<i>517</i>	<i>240</i>	13.6
SAN BERNARDINO.....	2,107	<i>1,738</i>	1,836	2,018	2,057	2,095	2,189	2,340	2,139	2,191	2,240	2,235	2,211	74.1
Males.....	2,047	<i>1,721</i>	1,820	2,067	2,043	2,077	2,112	2,135	2,085	2,081	2,146	2,146	2,181	78.5
Females.....	60	12	16	11	14	18	77	205	54	110	94	89	20	10.0



TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
SAN DIEGO.....	3,427	3,121	3,033	2,852	2,843	2,750	3,047	4,248	4,082	4,333	3,722	3,237	3,256	63.5
Males.....	2,763	2,395	2,304	2,345	2,352	2,433	3,013	3,139	3,290	3,401	2,954	2,797	2,675	68.9
Females.....	664	726	699	509	491	317	634	1,109	792	932	768	440	581	28.6
SAN FRANCISCO.....	48,550	50,778	49,852	48,585	47,458	49,437	51,348	52,622	51,348	51,540	49,511	39,526	40,774	74.8
Males.....	37,936	41,614	40,607	39,150	37,825	39,547	40,766	41,288	39,455	39,887	37,913	27,852	28,328	66.9
Females.....	10,614	9,164	9,245	9,435	9,633	9,890	10,582	11,334	11,893	11,653	11,598	11,494	11,446	77.1
SAN JOSE.....	3,090	1,703	1,512	1,577	1,758	1,907	2,524	5,553	5,913	5,125	4,258	3,070	2,180	25.6
Males.....	2,120	1,468	1,339	1,382	1,577	1,690	2,875	3,229	3,012	2,751	2,243	2,243	1,938	41.5
Females.....	970	235	173	195	181	217	588	2,078	2,684	2,113	1,507	827	242	6.4
SANTA ANA.....	628	394	401	378	375	406	471	834	965	970	803	797	742	38.7
Males.....	419	331	338	326	329	353	404	469	493	514	516	491	465	63.0
Females.....	209	63	63	53	46	53	67	365	472	456	287	306	277	9.7
SANTA BARBARA.....	481	421	426	419	460	467	477	487	468	468	524	558	558	71.3
Males.....	441	388	393	385	425	434	441	445	454	430	484	539	510	71.4
Females.....	37	33	33	34	35	33	36	52	35	38	40	49	48	65.3
SANTA CRUZ.....	572	540	525	441	449	460	478	664	712	697	673	626	599	61.9
Males.....	479	447	439	410	416	425	445	530	546	534	527	523	506	75.1
Females.....	93	93	86	51	33	35	33	134	166	163	146	103	93	18.7
SANTA MONICA.....	136	77	122	154	161	161	159	160	156	156	113	108	105	47.8
Males.....	97	44	85	118	126	120	119	121	114	115	73	66	63	34.9
Females.....	39	33	37	36	35	41	40	39	42	41	40	42	42	78.6
STOCKTON.....	3,534	3,896	3,693	3,297	3,285	3,300	3,189	3,233	3,719	3,588	3,747	3,733	3,728	81.9
Males.....	3,223	3,550	3,455	3,101	3,054	3,077	2,960	3,002	3,180	3,171	3,329	3,394	3,403	83.4
Females.....	311	346	238	196	231	223	229	231	539	417	418	339	325	36.4
VALLEJO.....	478	406	450	461	476	476	479	555	504	456	471	479	463	81.1
Males.....	463	451	435	446	461	461	464	540	480	441	456	464	448	80.6
Females.....	15	15	15	15	15	15	15	15	15	15	15	15	15	.....
VENICE.....	48	44	47	45	45	46	52	54	51	50	46	47	49	81.5
Males.....	22	20	20	19	20	22	25	27	26	25	20	20	20	70.4
Females.....	26	24	27	26	25	24	27	27	25	25	26	27	29	82.8

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.1	Between 54 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	243,092	74,032	3,580	112,500	6,453	17,543	9,585	14,343	5,356
	1914	139,481	(*)	(*)	46,676	8,360	30,142	4,552	30,304	10,447
	1909	115,296	(*)	(*)	22,765	9,652	34,674	0,968	31,107	10,130
Agricultural implements.....	1919	1,578	30	.....	1,235	265	48	.....	.....	.....
	1914	704	(*)	(*)	8	26	670	.....	.....	.....
Automobile bodies and parts.....	1919	1,681	270	50	1,143	50	158	1	.....	.....
	1914	439	(*)	(*)	165	67	204	2	.....	1
Automobile repairing.....	1919	5,992	770	34	2,874	278	1,776	122	80	58
	1914	1,532	(*)	(*)	571	46	741	13	95	66
Boxes, wooden packing, except cigar boxes.....	1919	1,657	71	71	643	68	658	.....	146	.....
	1914	1,156	(*)	(*)	13	131	606	85	321	.....
Bread and other bakery products.....	1919	5,394	87	110	3,830	451	658	127	91	40
	1914	4,851	(*)	(*)	1,324	699	1,736	351	646	95
Brick and tile, terra-cotta, and fire-clay products.....	1919	1,747	.....	.....	893	32	810	12	.....	.....
	1914	2,387	(*)	(*)	325	14	1,808	14	226	.....
Canning and preserving, fish.....	1919	2,980	520	188	1,471	105	173	145	387	.....
	1914	747	(*)	(*)	632	.....	63	32	20	.....
Canning and preserving, fruits and vegetables.....	1919	19,575	2,111	13	7,569	29	1,848	118	6,245	1,642
	1914	11,029	(*)	(*)	504	231	2,827	103	6,636	668
Cars and general shop construction and repairs by electric-railroad companies.....	1919	1,731	132	.....	621	.....	835	7	135	1
	1914	2,086	(*)	(*)	1,204	.....	835	.....	2	45
Cars and general shop construction and repairs by steam-railroad companies.....	1919	16,213	19	.....	13,775	.....	31	1,943	444	1
	1914	11,563	.....	.....	.....	.....	8,979	29	25	2,530
Chemicals.....	1919	1,466	4	21	707	17	10	552	33	122
	1914	257	(*)	(*)	44	.....	61	5	79	68
Clothing, men's.....	1919	2,411	2,085	45	271	.....	1	.....	9	.....
	1914	2,037	(*)	(*)	1,686	86	206	.....	50	9
Clothing, women's.....	1919	3,124	1,198	503	1,343	.....	20	.....	.....	.....
	1914	1,060	(*)	(*)	960	.....	59	16	25	.....
Confectionery and ice cream <sup>1</sup> .....	1919	4,214	145	94	3,041	462	149	153	85	85
	1914	2,104	(*)	(*)	1,220	265	516	22	11	70

<sup>1</sup>Includes 48 and under for 1914 and 1909.<sup>2</sup>Corresponding figures not available.<sup>3</sup>Includes "chewing gum."



TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. <sup>1</sup>	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Copper, tin, and sheet-iron work.....	1919	1,462	810	14	580	29	29			
	1914	1,246	( <sup>2</sup> )	( <sup>2</sup> )	1,099	10	135		2	
Electrical machinery, apparatus, and supplies.....	1919	2,008	1,005	4	336	656	7			
	1914	780	( <sup>2</sup> )	( <sup>2</sup> )	224	152	364	40		
Engines, steam, gas, and water.....	1919	2,231	1,271		839	9	112			
	1914	813	( <sup>2</sup> )	( <sup>2</sup> )	663		150			
Flour-mill and gristmill products.....	1919	1,779	4		1,434	42	230	14	44	11
	1914	1,067	( <sup>2</sup> )	( <sup>2</sup> )	34	46	136	96	745	10
Foundry and machine-shop products <sup>3</sup> .....	1919	10,118	3,749	11	5,088	710	524	11	23	2
	1914	5,273	( <sup>2</sup> )	( <sup>2</sup> )	2,493	343	2,241	103	89	4
Furniture.....	1919	2,883	699		2,096	83	3		2	
	1914	1,601	( <sup>2</sup> )	( <sup>2</sup> )	843	412	275	20	51	
Gas, illuminating and heating.....	1919	2,444	17		2,298	6	13	80		30
	1914	2,317	( <sup>2</sup> )	( <sup>2</sup> )	1,530	3	397	34	42	311
Ice, manufactured.....	1919	1,535	9		516	14	177	627	49	143
	1914	1,139	( <sup>2</sup> )	( <sup>2</sup> )	25	2	4	464	314	330
Iron and steel, steel works and rolling mills.....	1919	3,476	826		1,223		450	977		
	1914	1,244	( <sup>2</sup> )	( <sup>2</sup> )	435	178	444	4	183	
Leather, tanned, curried, and finished.....	1919	1,453			1,436		11	6		
	1914	1,361	( <sup>2</sup> )	( <sup>2</sup> )	2		1,314	45		
Lumber and timber products.....	1919	16,957	19		9,805	18	981	733	5,401	
	1914	15,087	( <sup>2</sup> )	( <sup>2</sup> )	53	1	238	231	14,372	192
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	6,215	1,703	23	4,104	100	257	4	24	
	1914	6,109	( <sup>2</sup> )	( <sup>2</sup> )	3,025	405	1,970		709	
Petroleum, refining.....	1919	5,132	8		3,417	118	27	1,562		
	1914	1,930	( <sup>2</sup> )	( <sup>2</sup> )	1,239	20	261	41	2	367
Pickles, preserves, and sauces.....	1919	1,719	12	8	1,270	56	337	26	10	
	1914	896	( <sup>2</sup> )	( <sup>2</sup> )	183	76	137	11	458	1
Printing and publishing, book and job.....	1919	3,818	362	182	3,237	13	11	4	9	
	1914	3,172	( <sup>2</sup> )	( <sup>2</sup> )	3,012	84	72	4		
Printing and publishing, newspapers and periodicals.....	1919	4,770	94	621	3,934	36	78		7	
	1914	4,334	( <sup>2</sup> )	( <sup>2</sup> )	3,959	93	244		36	2
Shipbuilding, steel.....	1919	46,052	45,824		228					
	1914	3,096	( <sup>2</sup> )	( <sup>2</sup> )	2,735					361
Shipbuilding, wooden, including boat building.....	1919	1,478	1,155		322		1			
	1914	361	( <sup>2</sup> )	( <sup>2</sup> )	300		61			
Slaughtering and meat packing.....	1919	3,405	211	71	2,789	35	224	16	81	28
	1914	2,172	( <sup>2</sup> )	( <sup>2</sup> )	200	32	425	229	1,243	43
Sugar, beet.....	1919	1,512					107			1,405
	1914	2,009								2,009
Tinware, not elsewhere specified <sup>4</sup> .....	1919	2,915	5		293	14	2,603			
Tobacco, cigars and cigarettes.....	1919	1,677	179	275	1,204		4		15	
	1914	1,507	( <sup>2</sup> )	( <sup>2</sup> )	1,221	201	51	5	29	
All other industries.....	1919	48,881	8,628	1,482	26,635	2,748	4,182	2,345	1,073	1,758
	1914	40,015	( <sup>2</sup> )	( <sup>2</sup> )	14,745	4,737	10,912	2,493	3,883	3,265
Total for cities.....	1919	165,311	62,550	3,460	77,855	4,194	9,682	2,841	3,508	1,221
	1914	85,627	( <sup>2</sup> )	( <sup>2</sup> )	38,254	7,400	26,495	2,178	7,872	3,428
ALAMEDA.....	1919	6,787	6,310	7	470		298	3	2	3
	1914	1,087	( <sup>2</sup> )	( <sup>2</sup> )	755	26				
BAKERSFIELD.....	1919	1,178	5	3	999		101	51	8	11
	1914	894	( <sup>2</sup> )	( <sup>2</sup> )	145	23	503	48	10	156
BERKELEY.....	1919	2,319	859		986	61	250	60		103
	1914	1,328	( <sup>2</sup> )	( <sup>2</sup> )	553	264	454	9	45	
EUREKA.....	1919	977	10	8	908		43	8		
	1914	799	( <sup>2</sup> )	( <sup>2</sup> )	163		81	2	553	
FRESNO.....	1919	3,903	1,380	93	1,315	78	90	56	802	89
	1914	2,903	( <sup>2</sup> )	( <sup>2</sup> )	645	36	1,182	53	897	90
GLENDALE.....	1919	216			44		168		4	
LONG BEACH.....	1919	3,769	2,508	32	930	19	254	23	3	
	1914	885	( <sup>2</sup> )	( <sup>2</sup> )	549	12	253	25	46	
LOS ANGELES.....	1919	47,118	12,655	1,167	26,007	2,129	3,400	1,382	350	28
	1914	23,744	( <sup>2</sup> )	( <sup>2</sup> )	8,185	2,407	9,092	958	1,964	1,138
OAKLAND.....	1919	23,347	13,736	112	7,302	597	535	657	400	8
	1914	7,706	( <sup>2</sup> )	( <sup>2</sup> )	4,015	216	2,175	100	835	365
PASADENA.....	1919	1,044	86	80	522	25	312	10		9
	1914	536	( <sup>2</sup> )	( <sup>2</sup> )	246	3	202	7	44	34

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.<sup>3</sup> Includes "iron and steel, tempering and welding"; "machine tools"; and "steel barrels, drums, and tanks."<sup>4</sup> Not shown separately in 1914.



TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. <sup>1</sup>	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
POMONA.....	1919	535	3	.....	171	.....	215	4	133	9
	1914	322	(?)	(?)	205	.....	58	2	22	32
RICHMOND.....	1919	4,305	248	1	3,919	.....	137	.....	.....	.....
RIVERSIDE.....	1919	421	61	.....	119	72	131	12	23	.....
	1914	277	(?)	(?)	120	9	128	.....	12	8
SACRAMENTO.....	1919	6,341	225	39	4,773	71	468	77	649	39
	1914	5,334	(?)	(?)	1,075	188	3,373	84	581	28
SAN BERNARDINO.....	1919	2,107	.....	.....	1,877	57	76	72	.....	25
	1914	1,077	(?)	(?)	75	9	53	9	20	911
SAN DIEGO.....	1919	3,427	968	229	1,889	105	190	42	.....	7
	1914	2,060	(?)	(?)	1,063	244	557	106	49	41
SAN FRANCISCO.....	1919	48,550	22,906	1,483	19,820	909	2,430	98	493	402
	1914	31,758	(?)	(?)	18,773	3,859	6,350	672	1,530	574
SAN JOSE.....	1919	3,000	268	56	1,192	47	454	14	600	450
	1914	2,029	(?)	(?)	772	17	623	38	557	22
SANTA ANA.....	1919	628	3	60	330	18	178	3	25	5
SANTA BARBARA.....	1919	481	33	19	204	.....	77	43	15	.....
	1914	276	(?)	(?)	145	16	77	6	20	12
SANTA CRUZ.....	1919	572	.....	.....	461	.....	20	87	.....	4
	1914	401	(?)	(?)	105	.....	60	20	205	11
SANTA MONICA.....	1919	138	.....	.....	72	.....	64	.....	.....	.....
STOCKTON.....	1919	3,534	259	43	2,989	6	75	138	3	21
	1914	1,919	(?)	(?)	551	70	934	33	328	3
VALLEJO.....	1919	478	27	.....	445	.....	2	4	.....	.....
	1914	292	(?)	(?)	111	1	37	3	140	.....
VENICE.....	1919	48	.....	25	21	.....	.....	.....	.....	2

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.	6 to 20 wage earners, inclusive.	21 to 50 wage earners, inclusive.	51 to 100 wage earners, inclusive.	101 to 250 wage earners, inclusive.	251 to 500 wage earners, inclusive.	501 to 1,000 wage earners, inclusive.	Over 1,000 wage earners.								
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.		
All industries.....	11,942	243,692	1,586	6,484	14,210	2,266	24,772	880	28,463	341	24,495	252	40,065	81	28,509	30	20,508	22	62,670
Agricultural implements.....	34	1,578	2	19	35	7	84	3	124	.....	.....	2	335	.....	1	1,000	.....	.....	.....
Automobile bodies and parts.....	253	1,681	25	159	353	48	506	18	597	2	121	1	104	.....	.....	.....	.....	.....	.....
Automobile repairing.....	1,648	5,992	129	1,253	2,678	243	2,383	17	478	5	328	1	125	.....	.....	.....	.....	.....	.....
Boxes, wooden packing, except cigar boxes.....	46	1,657	1	11	29	10	107	10	367	11	753	3	401	.....	.....	.....	.....	.....	.....
Bread and other bakery products.....	1,095	5,394	177	715	1,546	162	1,565	26	826	10	688	5	769	.....	.....	.....	.....	.....	.....
Brick and tile, terra-cotta, and fire-clay products.....	60	1,747	1	13	29	22	296	16	549	6	486	2	387	.....	.....	.....	.....	.....	.....
Canning and preserving, fish.....	57	2,989	1	6	21	11	138	19	692	10	781	10	1,357	.....	.....	.....	.....	.....	.....
Canning and preserving, fruits and vegetables.....	303	19,575	5	58	151	74	917	57	1,881	50	3,727	43	6,702	13	3,899	2	1,263	1	1,035
Cars and general shop construction and repairs by electric-railroad companies.....	22	1,731	.....	5	13	5	55	4	133	4	298	3	579	.....	1	653	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	60	16,213	.....	5	13	7	105	16	519	4	267	12	1,945	7	2,913	4	2,449	5	8,002
Chemicals.....	49	1,466	2	15	32	14	194	12	401	3	247	2	273	1	319	.....	.....	.....	.....
Clothing, men's.....	62	2,411	.....	29	80	19	252	6	188	3	209	2	463	2	684	1	535	.....	.....
Clothing, women's.....	165	3,124	4	53	168	64	777	32	999	10	703	1	104	1	373	.....	.....	.....	.....
Confectionery and ice cream.....	298	4,083	34	157	347	63	735	29	953	8	580	6	926	.....	1	542	.....	.....	.....
Copper, tin, and sheet-iron work.....	322	1,462	33	226	464	52	476	9	269	.....	.....	2	253	.....	.....	.....	.....	.....	.....
Electrical machinery, apparatus, and supplies.....	73	2,008	4	41	124	15	169	6	175	4	282	.....	.....	2	748	1	510	.....	.....
Engines, steam, gas, and water.....	22	2,231	.....	6	10	4	51	3	114	1	66	6	863	1	426	1	701	.....	.....
Flour-mill and gristmill products.....	134	1,779	13	88	127	19	202	7	226	2	139	3	539	2	546	.....	.....	.....	.....
Foundry and machine-shop products.....	595	9,827	40	280	710	152	1,729	80	2,530	23	1,620	11	1,628	2	765	1	815	.....	.....
Furniture.....	176	2,883	17	90	202	35	402	19	632	10	696	4	602	1	349	.....	.....	.....	.....



TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
	Establishments.	Wage earners (average number).	No wage earners.		1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
			Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
Gas, illuminating and heating.....	57	2,444	.....	22	74	19	243	5	149	5	335	3	515	3	1,128	.....	.....	.....	.....	.....
Ice, manufactured.....	117	1,535	5	57	129	35	351	14	511	5	345	1	199	.....	.....	.....	.....	.....	.....	.....
Iron and steel, steel works and rolling mills.....	8	3,476	.....	.....	.....	.....	.....	1	40	.....	.....	1	196	3	1,214	3	2,026	.....	.....	.....
Leather, tanned, curried, and finished.....	21	1,453	.....	.....	.....	5	65	6	224	6	401	3	454	1	309	.....	.....	.....	.....	.....
Lumber and timber products.....	195	16,957	8	79	194	37	411	21	749	14	1,088	16	2,713	11	3,611	6	4,317	3	3,874	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.....	325	6,215	12	165	415	96	1,106	35	1,099	6	497	7	1,200	3	1,322	1	576	.....	.....	.....
Petroleum, refining.....	45	5,132	1	11	36	14	157	9	266	4	319	1	109	3	1,194	1	657	1	2,394	.....
Pickles, preserves, and sauces.....	84	1,719	12	37	98	16	219	7	236	5	453	4	683	.....	.....	.....	.....	.....	.....	.....
Printing and publishing, book and job.....	661	3,818	165	338	747	115	1,247	32	997	9	623	2	204	.....	.....	.....	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals.....	764	4,770	285	344	683	92	939	27	836	7	449	7	1,090	2	723	.....	.....	.....	.....	.....
Shipbuilding, steel.....	18	46,052	.....	.....	.....	2	21	3	94	.....	.....	2	336	.....	.....	1	709	10	44,892	.....
Shipbuilding, wooden, including boat building.....	49	1,478	3	15	38	21	227	4	120	2	139	3	572	1	382	.....	.....	.....	.....	.....
Slaughtering and meat packing.....	91	3,405	5	40	81	27	318	10	299	2	155	3	534	2	654	2	1,374	.....	.....	.....
Sugar, beet.....	10	1,512	.....	.....	.....	1	16	1	48	1	90	6	1,000	1	358	.....	.....	.....	.....	.....
Tinware, not elsewhere specified.....	16	2,915	2	4	10	1	13	1	35	1	78	1	176	5	1,875	1	728	.....	.....	.....
Tobacco, cigars and cigarettes.....	244	1,077	81	132	226	19	218	5	146	3	248	3	487	1	352	.....	.....	.....	.....	.....
All other industries.....	3,763	49,303	519	2,005	4,347	740	8,078	310	9,801	102	7,254	70	11,242	13	4,365	2	1,653	2	2,473	.....
Total for cities.....	7,824	165,311	1,040	3,977	9,374	1,705	18,733	658	21,123	229	16,251	142	23,098	41	14,430	16	10,683	16	51,610	.....
ALAMEDA.....	52	6,787	13	25	53	6	50	3	129	1	99	3	423	.....	.....	.....	.....	1	6,033	.....
BAKERSFIELD.....	73	1,178	3	43	95	22	233	2	59	1	75	1	232	1	484	.....	.....	.....	.....	.....
BERKELEY.....	113	2,319	24	44	99	19	238	14	516	7	535	4	618	1	313	.....	.....	.....	.....	.....
EUREKA.....	52	977	6	28	73	11	104	2	61	2	133	2	353	1	253	.....	.....	.....	.....	.....
FRESNO.....	223	3,903	32	125	293	35	364	17	613	7	476	5	867	1	255	.....	.....	1	1,035	.....
GLENDALE.....	41	216	6	30	53	4	31	.....	312	2	137	2	391	.....	.....	.....	.....	1	2,480	.....
LONG BEACH.....	128	3,769	12	79	190	23	259	0	.....	.....	.....	47	7,258	11	3,820	5	3,122	4	11,514	.....
LOS ANGELES.....	2,540	47,118	350	1,282	2,879	544	6,144	224	7,155	73	5,226	13	2,316	6	2,420	2	1,168	5	13,014	.....
OAKLAND.....	593	23,347	110	276	633	122	1,360	44	1,450	15	977	13	2,316	6	2,420	2	1,168	5	13,014	.....
PASADENA.....	191	1,044	25	118	248	38	375	7	194	3	227	.....	.....	.....	.....	.....	.....	.....	.....	.....
POMONA.....	64	535	7	40	91	14	249	1	25	2	170	.....	.....	.....	.....	.....	.....	.....	.....	.....
RICHMOND.....	40	4,305	3	17	36	6	59	4	127	2	150	5	768	2	771	.....	.....	1	2,394	.....
RIVERSIDE.....	60	421	3	38	84	15	155	2	67	2	115	.....	.....	.....	.....	.....	.....	.....	.....	.....
SACRAMENTO.....	304	6,341	50	168	364	60	660	15	432	3	209	1	132	4	1,372	2	1,259	1	1,913	.....
SAN BERNARDINO.....	54	2,107	3	32	73	10	97	6	101	1	69	1	146	.....	.....	.....	.....	1	1,531	.....
SAN DIEGO.....	266	3,427	34	142	347	60	613	20	694	4	283	5	776	.....	.....	1	709	.....	.....	.....
SAN FRANCISCO.....	2,360	48,550	283	1,091	2,830	589	6,410	257	8,004	80	6,166	38	6,397	10	3,553	5	3,425	1	11,706	.....
SAN JOSE.....	201	3,090	37	103	232	40	425	7	253	4	259	8	1,277	2	644	.....	.....	.....	.....	.....
SANTA ANA.....	74	628	8	45	104	14	153	4	94	2	121	1	156	.....	.....	.....	.....	.....	.....	.....
SANTA BARBARA.....	76	481	5	45	106	18	181	4	137	1	57	.....	.....	.....	.....	.....	.....	.....	.....	.....
SANTA CRUZ.....	41	572	4	21	53	11	113	1	26	3	234	1	140	.....	.....	.....	.....	.....	.....	.....
SANTA MONICA.....	29	136	6	19	40	2	21	2	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
STOCKTON.....	208	3,534	11	138	329	34	364	12	415	7	452	4	710	1	264	1	1,000	.....	.....	.....
VALLEJO.....	32	478	2	21	53	7	68	7	.....	1	70	.....	.....	.....	.....	.....	.....	.....	.....	.....
VENICE.....	9	48	.....	.....	.....	1	.....	.....	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	11,942	10,057	7,650	243,692	139,481	115,296	\$1,981,204,701	\$712,800,764	\$529,760,528	\$762,346,183	\$265,326,233	\$204,522,454
Less than \$5,000.....	2,451	3,361	2,169	1,313	2,338	2,087	6,695,096	8,583,621	5,610,748	4,408,637	5,913,431	3,795,404
\$5,000 to \$20,000.....	4,331	3,622	2,785	9,830	12,178	10,279	40,262,867	36,957,351	29,203,047	27,334,729	22,332,083	17,546,524
\$20,000 to \$100,000.....	3,232	2,049	1,997	28,562	25,873	24,913	144,251,688	89,914,735	82,114,420	72,753,035	44,955,345	40,743,591
\$100,000 to \$500,000.....	1,326	786	767	48,480	60,183	53,128	206,916,876	166,630,790	210,723,384	129,753,310	100,288,816	86,922,761
\$500,000 to \$1,000,000.....	275	123	71	24,765	38,409	24,909	189,644,193	87,356,978	202,103,929	73,247,289	91,836,558	55,514,114
\$1,000,000 and over.....	327	116	71	130,692	38,409	24,909	1,207,434,021	323,357,289	202,103,929	464,849,183	91,836,558	55,514,114
PER CENT DISTRIBUTION.												
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	20.5	33.4	28.3	0.5	2.0	1.8	0.3	1.2	1.1	0.6	2.2	1.9
\$5,000 to \$20,000.....	36.3	36.0	36.4	4.1	8.7	8.9	2.3	5.2	5.5	3.6	8.4	8.6
\$20,000 to \$100,000.....	27.1	20.4	24.4	11.7	18.5	21.6	7.3	12.6	15.5	9.5	16.9	19.9
\$100,000 to \$500,000.....	11.1	7.8	10.0	19.9	43.2	46.1	15.0	23.4	30.8	17.0	37.8	42.5
\$500,000 to \$1,000,000.....	2.3	1.2	0.9	10.2	27.5	21.6	9.6	12.3	38.2	9.6	34.6	27.1
\$1,000,000 and over.....	2.7	1.2	0.9	53.6	27.5	21.6	65.5	45.4	38.2	59.7	34.6	27.1



TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
AUTOMOBILES.....	12	9	100.0	100.0	1,327	292	100.0	100.0	\$36,626,893	\$1,253,183	100.0	100.0	\$9,600,832	\$435,651	100.0	100.0
\$5,000 to \$20,000.....	3	3	25.0	33.3	24	50	1.8	17.1	137,520	30,190	0.4	2.4	54,480	18,581	0.6	4.3
\$20,000 to \$100,000.....	4	3	33.3	33.3	116	233	8.7	79.8	992,478	217,457	2.7	17.4	324,977	97,860	3.4	22.5
\$100,000 to \$500,000.....	4	1	33.3	33.3	116	233	8.7	79.8	992,478	217,457	2.7	17.4	324,977	97,860	3.4	22.5
\$500,000 and over.....	5		41.7		1,187		89.4		35,496,895	1,005,636	96.9	80.2	9,221,375	1,319,210	96.0	73.3
AUTOMOBILE REPAIRING.....	1,648	479	100.0	100.0	5,992	1,532	100.0	100.0	24,893,910	3,871,794	100.0	100.0	15,627,332	2,862,169	100.0	100.0
Less than \$5,000.....	413	222	25.1	46.3	322	258	5.4	16.8	1,302,392	606,518	5.2	17.2	952,797	530,444	6.1	18.5
\$5,000 to \$20,000.....	904	218	54.9	45.5	2,301	771	38.4	50.3	9,151,612	1,883,518	36.8	48.6	6,230,656	1,439,743	40.0	50.3
\$20,000 to \$100,000.....	311	239	18.9	8.1	2,585	2,503	43.1	32.8	11,228,329	2,321,758	45.1	34.1	6,069,016	2,801,982	42.7	31.2
\$100,000 to \$500,000.....	20		1.2		784		13.1		3,211,577		12.9		1,754,863		11.2	
BREAD AND OTHER BAKERY PRODUCTS.....	1,095	1,117	100.0	100.0	5,394	4,851	100.0	100.0	48,956,691	21,855,181	100.0	100.0	17,657,144	9,618,996	100.0	100.0
Less than \$5,000.....	113	270	10.3	24.2	40	121	0.7	2.5	314,208	814,965	0.6	3.7	50,862	392,366	0.3	4.1
\$5,000 to \$20,000.....	487	622	44.5	55.7	611	1,383	11.3	28.5	5,757,654	6,380,836	11.8	29.2	2,135,909	2,932,365	12.1	30.5
\$20,000 to \$100,000.....	414	203	37.8	18.2	1,951	1,778	36.2	36.7	17,016,549	8,009,682	34.8	36.6	5,813,538	3,347,145	32.9	34.8
\$100,000 to \$500,000.....	67	18	6.1	1.6	1,560	1,569	28.9	32.3	13,513,076	4,234,798	27.6	19.4	4,365,510	2,947,120	24.7	30.6
\$500,000 to \$1,000,000.....	9	4	0.8	0.4	718		13.3		6,105,243	2,414,900	12.5	11.0	2,205,312		12.5	
\$1,000,000 and over.....	5		0.5		514		9.5		6,249,961		12.8		3,080,013		17.5	
BUTTER.....	121	174	100.0	100.0	1,268	909	100.0	100.0	40,659,853	18,899,200	100.0	100.0	4,313,832	2,135,968	100.0	100.0
Less than \$5,000.....	3	20	2.5	11.5	1	11	0.1	1.2	6,553	56,729	(*)	0.3	1,338	19,204	(*)	0.9
\$5,000 to \$20,000.....	8	29	6.6	16.7	0	31	0.5	3.4	101,337	341,399	0.2	1.8	18,875	66,354	0.4	3.1
\$20,000 to \$100,000.....	42	71	34.7	40.8	106	214	8.4	23.5	2,262,528	3,627,779	5.6	19.2	356,042	491,017	8.3	23.0
\$100,000 to \$500,000.....	44	47	36.4	27.0	394	653	31.1	71.8	11,133,560	10,096,009	27.4	53.4	1,380,456	1,569,393	32.0	73.0
\$500,000 to \$1,000,000.....	13	7	10.7	4.0	218		17.2		9,924,372	4,777,284	24.4	25.3	842,400		19.5	
\$1,000,000 and over.....	11		9.1		543		42.8		17,231,503		42.4		1,714,122		39.7	
CANNING AND PRESERVING, FISH.....	57	23	100.0	100.0	2,989	747	100.0	100.0	17,482,795	2,745,779	100.0	100.0	7,069,277	1,391,302	100.0	100.0
Less than \$20,000.....	5	3	8.8	13.0	30	13	1.0	1.7	61,284	43,674	0.4	1.6	24,802	15,583	0.4	1.1
\$20,000 to \$100,000.....	16	8	28.1	34.8	292	137	9.8	18.3	830,362	339,912	4.8	12.4	334,670	183,839	4.7	13.2
\$100,000 to \$500,000.....	23	12	40.4	52.2	1,352	597	45.2	79.9	5,946,200	2,302,193	34.0	86.0	2,191,542	1,191,880	31.0	85.7
\$500,000 and over.....	13		22.8		1,315		44.0		10,635,949		60.8		4,518,263		63.9	
CANNING AND PRESERVING, FRUITS AND VEGETABLES.....	303	205	100.0	100.0	19,575	11,029	100.0	100.0	189,955,631	54,425,007	100.0	100.0	61,315,792	12,521,444	100.0	100.0
Less than \$5,000.....	17	15	5.6	7.3	12	47	0.1	0.4	40,289	37,345	(*)	0.1	15,862	15,876	(*)	0.1
\$5,000 to \$20,000.....	31	40	10.2	19.5	129	324	0.7	2.9	395,952	455,068	0.2	0.8	141,391	179,710	0.2	1.4
\$20,000 to \$100,000.....	81	42	26.7	20.5	1,095	1,062	5.6	9.6	4,151,400	2,297,421	2.2	4.2	1,466,765	657,754	2.4	5.3
\$100,000 to \$500,000.....	78	77	25.7	37.6	3,092	1,673	15.8	61.0	19,712,811	19,542,902	10.4	35.9	7,139,926	1,179,696	11.6	65.3
\$500,000 to \$1,000,000.....	42	20	13.9	9.8	3,565		18.2		29,749,902	14,516,076	15.7	26.7	12,013,381		19.6	
\$1,000,000 and over.....	54	11	17.8	5.4	11,682	2,866	59.7	26.0	135,905,277	17,576,195	71.5	32.3	40,538,467	3,488,408	66.1	27.9
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES.....	60	39	100.0	100.0	16,213	11,563	100.0	100.0	41,926,975	17,199,717	100.0	100.0	26,166,066	10,194,471	100.0	100.0
Less than \$20,000.....	7	5	11.7	12.8	31	34	0.2	0.3	74,920	53,708	0.2	0.3	52,525	33,975	0.2	0.3
\$20,000 to \$100,000.....	19	12	31.7	30.8	531	335	3.3	2.9	1,121,644	495,717	2.7	2.9	841,179	325,079	3.2	3.2
\$100,000 to \$500,000.....	16	10	26.7	25.6	1,854	1,452	11.4	39.2	4,656,069	2,582,601	11.1	15.0	3,080,769	1,453,576	11.8	40.7
\$500,000 to \$1,000,000.....	4	6	6.7	15.4	1,254		7.7		2,896,604	4,127,223	6.9	24.0	1,910,180		7.3	
\$1,000,000 and over.....	14	6	23.3	15.4	12,543	6,666	77.4	57.6	33,177,838	9,940,468	79.1	57.8	20,281,413	5,681,841	77.5	55.7
CLOTHING, WOMEN'S.....	165	86	100.0	100.0	3,124	1,060	100.0	100.0	14,245,865	2,732,867	100.0	100.0	5,716,423	1,352,286	100.0	100.0
Less than \$5,000.....	13	12	7.9	14.0	19	22	0.6	2.1	34,933	36,650	0.2	1.3	21,552	23,611	0.4	1.7
\$5,000 to \$20,000.....	38	30	23.0	34.9	180	192	5.8	18.1	440,437	307,822	3.1	11.3	255,199	176,866	4.5	13.1
\$20,000 to \$100,000.....	70	39	42.4	45.3	847	607	27.1	57.3	3,594,288	1,677,985	25.2	61.4	1,611,508	800,416	26.4	59.2
\$100,000 and over.....	44	5	26.7	5.8	2,078	239	66.5	22.5	10,176,207	710,410	71.4	26.0	3,928,364	351,393	68.7	26.0
COFFEE AND SPICE, ROASTING AND GRINDING.....	70	43	100.0	100.0	796	464	100.0	100.0	26,310,641	9,584,459	100.0	100.0	6,429,858	2,125,041	100.0	100.0
Less than \$5,000.....	6	3	8.6	7.0	3	1	0.4	0.2	16,951	11,609	0.1	0.1	5,987	3,999	0.1	0.2
\$5,000 to \$20,000.....	17	7	24.3	16.3	57	8	2.0	1.7	189,200	81,739	0.7	0.9	50,363	20,410	0.8	1.2
\$20,000 to \$100,000.....	24	16	34.3	37.2	57	56	7.2	12.1	1,063,339	870,620	4.0	9.1	321,906	266,214	5.0	12.5
\$100,000 to \$500,000.....	11	14	15.7	32.6	69	189	8.7	40.7	2,156,078	3,701,424	8.2	38.6	400,474	1,902,949	6.2	42.5
\$500,000 to \$1,000,000.....	5		7.1		108		13.6		3,252,338		12.4		669,210		10.4	
\$1,000,000 and over.....	7	3	10.0	7.0	543	210	68.2	45.3	19,632,735	4,919,067	74.6	51.3	4,981,918	925,469	77.5	43.6
CONFECTIONERY AND ICE CREAM.....	302	183	100.0	100.0	4,214	2,104	100.0	100.0	25,036,404	7,645,440	100.0	100.0	10,639,736	3,291,018	100.0	100.0
Less than \$5,000.....	49	52	16.2	28.4	23	33	0.5	1.6	131,280	132,865	0.5	1.7	68,349	75,715	0.6	2.3
\$5,000 to \$20,000.....	114	70	37.7	38.3	235	273	5.6	12.0	1,272,928	805,973	5.1	10.5	589,268	423,558	5.5	12.9
\$20,000 to \$100,000.....	81	38	26.8	20.8	701	446	16.6	21.2	3,652,303	1,543,266						



TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.				
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		
			1919	1914			1919	1914			1919	1914			1919	1914	
FOUNDRY AND MACHINE-SHOP PRODUCTS <sup>1</sup> .....	656	474	100.0	100.0	10,118	5,273	100.0	100.0	\$52,802,871	\$17,478,190	100.0	100.0	\$29,650,270	\$9,614,343	100.0	100.0	
Less than \$5,000.....	100	131	15.2	27.6	55	111	0.5	2.1	287,681	331,194	0.5	1.9	203,817	244,654	0.7	2.5	
\$5,000 to \$20,000.....	239	184	36.4	38.8	618	713	6.1	13.5	2,605,936	1,918,951	4.9	11.0	1,722,945	1,303,332	5.8	13.6	
\$20,000 to \$100,000.....	200	121	30.5	25.5	2,183	1,734	21.0	32.9	9,533,959	5,061,843	18.1	29.0	5,747,066	2,919,906	19.4	30.4	
\$100,000 to \$500,000.....	102	33	15.5	7.0	4,275	2,715	42.3	51.5	22,173,517	5,945,279	42.0	34.0	12,301,529	5,146,451	41.5	53.5	
\$500,000 to \$1,000,000.....	10	5	1.5	1.1	1,060	190	10.5	.....	6,765,904	4,220,923	12.8	24.1	3,047,485	.....	10.3	.....	
\$1,000,000 and over.....	5	.....	0.8	.....	1,927	.....	19.0	.....	11,435,874	.....	21.7	.....	6,627,428	.....	22.4	.....	
FURNITURE.....	176	153	100.0	100.0	2,883	1,601	100.0	100.0	13,639,927	4,482,508	100.0	100.0	7,326,561	2,625,065	100.0	100.0	
Less than \$5,000.....	38	45	21.6	29.4	18	36	0.6	2.2	90,590	114,783	0.7	2.6	69,807	80,393	0.8	3.1	
\$5,000 to \$20,000.....	59	59	33.5	38.6	145	244	5.0	15.2	599,369	594,084	4.4	13.3	382,494	387,547	5.2	14.8	
\$20,000 to \$100,000.....	48	41	27.3	26.8	588	638	20.4	39.9	2,313,944	1,589,424	17.0	35.5	1,283,453	907,499	17.5	34.6	
\$100,000 to \$500,000.....	27	8	15.3	5.2	1,309	363	45.4	42.7	6,345,189	2,184,217	46.5	48.7	3,187,576	1,240,626	43.5	47.6	
\$500,000 and over.....	4	.....	2.3	.....	823	.....	28.5	.....	4,290,835	.....	31.5	.....	2,413,231	.....	32.9	.....	
GAS, ILLUMINATING AND HEATING.....	57	66	100.0	100.0	2,444	2,317	100.0	100.0	20,440,682	13,578,367	100.0	100.0	12,440,619	10,156,296	100.0	100.0	
Less than \$5,000.....	3	3	5.3	4.5	6	4	0.2	0.2	11,647	10,173	0.1	0.1	5,562	6,045	(*)	0.1	
\$5,000 to \$20,000.....	10	14	17.5	21.2	31	35	1.3	1.5	159,455	145,740	0.8	1.1	77,031	95,816	0.6	0.9	
\$20,000 to \$100,000.....	26	30	45.6	54.5	260	333	10.6	14.4	1,158,168	1,663,514	5.7	12.3	634,432	1,199,359	5.1	11.8	
\$100,000 to \$500,000.....	13	8	22.8	12.1	694	1,945	28.4	83.9	3,096,368	1,565,553	15.1	11.5	1,908,841	8,855,076	15.3	37.2	
\$500,000 to \$1,000,000.....	.....	5	.....	7.6	.....	.....	.....	.....	10,193,387	.....	75.1	.....	.....	.....	.....	.....	
\$1,000,000 and over.....	5	.....	8.8	.....	1,453	.....	59.5	.....	10,015,044	.....	78.8	.....	9,814,153	.....	78.9	.....	
LEATHER, TANNED, CURRIED, AND FINISHED.....	21	29	100.0	100.0	1,453	1,361	100.0	100.0	21,416,302	10,020,739	100.0	100.0	4,944,607	2,162,440	100.0	100.0	
Less than \$5,000.....	.....	8	.....	27.6	.....	61	.....	4.5	.....	379,748	.....	3.8	.....	155,977	.....	7.2	.....
\$5,000 to \$20,000.....	7	14	33.3	48.3	122	1,300	8.4	95.5	1,687,126	3,655,346	7.9	36.5	4,938,890	2,006,403	10.0	92.8	
\$20,000 to \$100,000.....	7	7	33.3	24.1	360	.....	24.8	.....	5,206,380	5,985,615	24.3	59.7	1,090,203	.....	22.0	.....	
\$100,000 to \$500,000.....	7	.....	33.3	.....	971	.....	66.8	.....	14,522,796	.....	67.8	.....	3,360,454	.....	68.0	.....	
\$500,000 and over.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
LUMBER AND TIMBER PRODUCTS.....	195	209	100.0	100.0	16,957	15,087	100.0	100.0	47,310,762	22,973,245	100.0	100.0	36,771,672	16,161,594	100.0	100.0	
Less than \$5,000.....	42	87	21.5	41.6	40	178	0.2	1.2	98,253	213,585	0.2	0.9	82,581	173,965	0.2	1.1	
\$5,000 to \$20,000.....	56	51	28.7	24.4	237	322	1.4	2.1	590,882	525,865	1.2	2.3	488,818	417,205	1.3	2.6	
\$20,000 to \$100,000.....	36	27	18.5	12.9	716	920	4.2	6.1	1,687,161	1,408,491	3.6	6.1	1,345,648	1,082,264	3.7	6.7	
\$100,000 to \$500,000.....	37	31	19.0	14.8	3,571	9,026	21.1	59.8	9,072,099	8,252,240	19.2	35.9	6,964,853	9,180,618	18.9	56.8	
\$500,000 to \$1,000,000.....	14	8	7.2	3.8	3,885	.....	22.9	.....	9,990,705	5,005,808	21.1	21.8	7,716,837	.....	21.0	.....	
\$1,000,000 and over.....	10	5	5.1	2.4	8,508	4,641	50.2	30.8	25,871,662	7,667,256	54.7	32.9	20,172,935	5,307,542	54.9	32.8	
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS.....	325	375	100.0	100.0	6,215	6,109	100.0	100.0	42,832,201	26,100,666	100.0	100.0	14,616,012	9,469,017	100.0	100.0	
Less than \$5,000.....	35	72	10.8	19.2	26	67	0.4	1.1	97,530	183,401	0.2	0.7	56,014	101,824	0.4	1.1	
\$5,000 to \$20,000.....	91	134	28.0	35.7	216	428	3.5	7.0	970,775	1,418,540	2.3	5.4	535,990	698,873	3.7	7.4	
\$20,000 to \$100,000.....	123	115	37.8	30.7	1,028	1,543	16.5	25.3	5,623,811	5,327,890	13.1	20.4	2,530,776	2,420,517	17.3	25.6	
\$100,000 to \$500,000.....	61	43	18.8	11.5	1,601	2,775	25.8	45.4	11,736,710	8,170,492	27.4	31.3	4,327,846	4,507,030	29.6	48.5	
\$500,000 to \$1,000,000.....	5	6	1.5	1.6	686	.....	11.0	.....	3,454,909	4,450,236	8.1	17.1	1,615,857	.....	11.1	.....	
\$1,000,000 and over.....	10	5	3.1	1.3	2,658	1,296	42.8	21.2	20,948,466	6,550,098	48.9	25.1	5,549,520	1,650,773	38.0	17.4	
PETROLEUM, REFINING.....	45	38	100.0	100.0	5,132	1,930	100.0	100.0	213,292,194	55,527,651	100.0	100.0	71,415,549	17,357,834	100.0	100.0	
\$5,000 to \$20,000.....	.....	4	.....	10.5	.....	6	.....	0.3	.....	44,212	.....	0.1	.....	13,002	.....	0.1	.....
\$20,000 to \$100,000.....	7	15	17.8	39.5	134	180	0.7	6.7	7,423,655	910,439	0.2	1.6	7,131,415	278,192	0.2	1.6	
\$100,000 to \$500,000.....	9	14	20.0	36.8	94	225	1.8	11.7	2,344,734	4,053,854	1.1	7.3	378,484	928,804	0.5	5.4	
\$500,000 to \$1,000,000.....	7	.....	15.6	.....	127	.....	2.5	.....	5,107,359	.....	2.4	.....	1,214,087	.....	1.7	.....	
\$1,000,000 and over.....	21	5	46.7	13.2	4,877	1,569	95.0	81.3	205,416,446	50,519,116	96.3	91.0	60,691,563	16,137,836	97.6	93.0	
PRINTING AND PUBLISHING, BOOK AND JOB.....	661	631	100.0	100.0	3,818	3,172	100.0	100.0	19,871,377	9,885,477	100.0	100.0	12,093,047	7,032,190	100.0	100.0	
Less than \$5,000.....	202	280	30.6	44.4	53	153	1.4	4.8	545,154	687,019	2.7	6.9	361,878	496,052	3.0	7.1	
\$5,000 to \$20,000.....	253	239	38.3	37.0	604	810	15.8	25.5	2,612,722	2,430,473	13.1	24.6	1,658,379	1,777,032	13.7	25.3	
\$20,000 to \$100,000.....	167	97	25.3	15.4	1,616	1,407	42.3	44.4	7,494,055	4,024,481	37.7	40.7	4,845,312	2,802,228	40.1	39.8	
\$100,000 and over.....	39	15	5.9	2.4	1,545	802	40.5	25.3	9,219,446	2,737,474	46.4	27.7	5,227,478	1,953,978	43.2	27.8	
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	764	822	100.0	100.0	4,770	4,334	100.0	100.0	34,312,963	21,557,591	100.0	100.0	24,665,946	15,904,777	100.0	100.0	
Less than \$5,000.....	294	416	38.5	50.6	131	330	2.7	7.6	793,270	1,075,967	2.3	5.0	640,553	931,165	2.6	5.9	
\$5,000 to \$20,000.....	305	284	39.9	34.6	611	826	12.8	19.1	3,007,388	2,822,707	8.8	13.1	2,406,294	2,419,233	9.8	15.2	
\$20,000 to \$100,000.....	124	97	16.2	11.8	1,165	1,129	24.4	26.0	5,114,578	4,030,890	14.9	18.7	3,993,111	3,232,180	16.2	20.8	
\$100,000 to \$500,000.....	32	16	4.2	1.9	1,096	1,309	23.0	30.2	7,624,728	3,213,037	22.2	14.9	5,836,615	4,809,558	23.7	30.2	
\$500,000 to \$1,000,000.....	.....	5	.....	0.6	.....	.....	.....	.....	3,727,235	.....	17.3	.....	.....	.....	.....	.....	
\$1,000,000 and over.....	9	4	1.2	0.5	1,767	740	37.0	17.1	17,802,999	6,687,755	51.8	31.0	11,789,373	4,512,641	47.8	28.4	
SHIPBUILDING, INCLUDING BOAT BUILDING.....																	



TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ALAMEDA.....	52	6,787	100.0	\$25,440,598	100.0	\$14,768,606	100.0	RIVERSIDE.....	60	421	100.0	\$2,354,476	100.0	\$1,062,314	100.0
Less than \$5,000.....	17	9	0.1	42,348	0.2	29,630	0.2	Less than \$5,000.....	14	11	2.6	40,694	1.7	32,996	3.1
\$5,000 to \$20,000.....	18	35	0.5	193,789	0.8	83,246	0.6	\$5,000 to \$20,000.....	23	73	17.3	260,315	11.1	163,811	15.4
\$20,000 to \$100,000.....	9	91	1.3	315,261	1.2	204,912	1.4	\$20,000 to \$100,000.....	16	103	24.5	646,355	27.5	307,445	28.9
\$100,000 and over.....	8	6,652	98.0	24,889,200	97.8	14,450,818	97.8	\$100,000 to \$500,000.....	7	234	55.6	1,407,112	59.8	558,032	52.5
BAKERSFIELD.....	73	1,178	100.0	5,699,051	100.0	2,529,219	100.0	SACRAMENTO.....	304	6,341	100.0	34,198,980	100.0	16,388,021	100.0
Less than \$5,000.....	9	5	0.4	23,122	0.4	15,247	0.6	Less than \$5,000.....	74	34	0.5	192,986	0.6	139,508	0.9
\$5,000 to \$20,000.....	33	83	7.0	379,707	6.7	228,823	9.0	\$5,000 to \$20,000.....	108	213	3.4	1,093,330	3.2	618,707	3.8
\$20,000 to \$100,000.....	19	149	12.6	783,535	13.7	471,367	18.6	\$20,000 to \$100,000.....	91	773	12.2	3,912,983	11.4	2,127,069	13.0
\$100,000 and over.....	12	911	79.9	4,512,687	79.2	1,813,777	71.7	\$100,000 to \$500,000.....	18	410	6.5	3,716,956	10.9	1,474,078	9.0
BERKELEY.....	113	2,319	100.0	28,331,212	100.0	8,839,519	100.0	\$500,000 to \$1,000,000.....	6	643	10.1	4,250,001	12.4	2,044,539	12.5
Less than \$5,000.....	18	5	0.2	41,014	0.2	28,888	0.3	\$1,000,000 and over.....	8	4,268	67.3	21,032,724	61.5	9,983,130	60.9
\$5,000 to \$20,000.....	35	57	2.5	382,814	1.4	221,123	2.5	SAN BERNARDINO.....	54	2,107	100.0	7,473,789	100.0	3,435,575	100.0
\$20,000 to \$100,000.....	31	216	10.6	1,305,877	4.6	664,347	7.5	Less than \$5,000.....	16	14	0.7	49,018	0.7	35,220	1.0
\$100,000 to \$500,000.....	19	778	33.5	4,515,843	16.0	2,134,810	24.1	\$5,000 to \$20,000.....	16	49	2.3	173,461	2.3	103,038	3.0
\$500,000 to \$1,000,000.....	4	310	13.4	3,030,619	10.7	1,260,990	14.3	\$20,000 to \$100,000.....	17	253	12.0	909,561	12.2	440,354	12.8
\$1,000,000 and over.....	6	923	39.8	19,022,045	67.1	4,529,361	51.2	\$100,000 and over.....	5	1,791	85.0	6,341,749	84.9	2,856,063	83.1
EUREKA.....	52	977	100.0	3,960,263	100.0	2,169,107	100.0	SAN DIEGO.....	266	3,427	100.0	20,225,723	100.0	9,212,302	100.0
Less than \$5,000.....	16	8	0.8	41,090	1.0	24,716	1.1	Less than \$5,000.....	62	36	1.1	173,288	0.9	122,393	1.3
\$5,000 to \$20,000.....	16	50	5.7	203,448	5.1	135,013	6.2	\$5,000 to \$20,000.....	64	253	7.4	987,187	4.9	606,283	6.6
\$20,000 to \$100,000.....	12	91	9.3	504,323	12.7	217,891	10.0	\$20,000 to \$100,000.....	80	871	25.4	3,751,136	18.5	1,795,441	19.5
\$100,000 to \$500,000.....	6	334	31.2	1,219,460	30.8	673,768	31.1	\$100,000 to \$500,000.....	23	990	28.9	4,711,212	23.3	2,135,662	23.2
\$500,000 to \$1,000,000.....	3	488	49.9	1,991,977	50.3	1,117,809	51.5	\$500,000 to \$1,000,000.....	3	100	2.9	2,046,586	10.1	676,462	7.3
FRESNO.....	223	3,003	100.0	48,943,823	100.0	11,825,605	100.0	\$1,000,000 and over.....	4	1,177	34.3	8,556,314	42.3	3,876,071	42.1
Less than \$5,000.....	49	20	0.5	117,594	0.2	80,053	0.7	SAN FRANCISCO.....	2,360	48,550	100.0	417,321,277	100.0	155,903,034	100.0
\$5,000 to \$20,000.....	82	180	4.6	810,200	1.7	533,702	4.5	Less than \$5,000.....	338	160	0.3	902,407	0.2	633,513	0.4
\$20,000 to \$100,000.....	58	479	12.3	2,441,189	5.0	1,283,766	10.9	\$5,000 to \$20,000.....	722	1,771	3.6	8,175,259	2.0	5,125,443	3.3
\$100,000 to \$500,000.....	17	858	22.0	4,520,082	9.2	2,118,372	17.9	\$20,000 to \$100,000.....	791	6,878	14.2	36,654,769	8.8	19,201,480	12.3
\$500,000 to \$1,000,000.....	8	424	10.9	4,915,417	10.0	1,875,681	15.9	\$100,000 to \$500,000.....	387	12,279	25.3	82,810,176	19.8	38,054,316	24.4
\$1,000,000 and over.....	9	1,942	40.8	36,109,311	73.8	5,934,031	50.2	\$500,000 to \$1,000,000.....	54	3,438	7.1	35,005,612	8.4	11,963,069	7.7
GLENDALE.....	41	216	100.0	1,173,720	100.0	523,826	100.0	\$1,000,000 and over.....	68	24,024	49.5	253,773,154	60.8	80,025,243	51.9
Less than \$5,000.....	17	13	6.0	44,931	3.8	30,457	5.8	SAN JOSE.....	201	3,090	100.0	25,135,500	100.0	10,590,198	100.0
\$5,000 to \$20,000.....	12	14	6.5	98,379	8.4	58,809	11.2	Less than \$5,000.....	47	14	0.5	123,762	0.5	80,774	0.8
\$20,000 and over.....	12	189	87.5	1,030,407	87.8	434,560	83.0	\$5,000 to \$20,000.....	60	124	4.0	655,024	2.6	379,719	3.6
LONG BEACH.....	128	3,769	100.0	14,382,769	100.0	8,308,440	100.0	\$20,000 to \$100,000.....	64	462	15.0	2,838,761	11.4	1,311,736	12.4
Less than \$5,000.....	24	19	0.5	72,051	0.5	41,161	0.5	\$100,000 to \$500,000.....	18	562	18.2	4,217,341	16.8	1,740,336	16.1
\$5,000 to \$20,000.....	53	121	3.2	573,280	4.0	330,537	4.0	\$500,000 to \$1,000,000.....	5	421	13.6	4,018,611	16.0	1,413,048	13.3
\$20,000 to \$100,000.....	38	379	10.1	1,571,837	10.9	732,089	9.1	\$1,000,000 and over.....	7	1,507	48.8	13,262,011	52.8	5,694,585	53.8
\$100,000 to \$500,000.....	10	379	10.1	2,072,647	14.4	841,819	10.1	SANTA ANA.....	74	628	100.0	3,627,249	100.0	1,495,622	100.0
\$500,000 and over.....	3	2,871	76.2	10,092,954	70.2	6,342,834	76.3	Less than \$5,000.....	12	5	0.8	47,050	1.3	26,180	1.8
LOS ANGELES.....	2,540	47,118	100.0	278,184,143	100.0	118,364,712	100.0	\$5,000 to \$20,000.....	26	61	9.7	322,851	8.9	178,234	11.9
Less than \$5,000.....	480	234	0.5	1,322,163	0.5	870,560	0.7	\$20,000 to \$100,000.....	28	197	31.4	1,179,511	32.5	512,984	34.3
\$5,000 to \$20,000.....	960	2,255	4.8	10,140,019	3.6	6,002,609	5.1	\$100,000 and over.....	8	365	58.1	2,078,037	57.3	778,224	52.0
\$20,000 to \$100,000.....	698	6,958	14.8	32,007,030	11.5	16,962,761	14.3	SANTA BARBARA.....	76	481	100.0	1,943,533	100.0	1,050,313	100.0
\$100,000 to \$500,000.....	316	12,579	26.7	79,132,187	28.4	31,423,482	26.5	Less than \$5,000.....	15	10	2.1	48,315	2.5	28,482	2.7
\$500,000 to \$1,000,000.....	44	4,391	9.3	30,704,671	11.0	11,369,705	9.6	\$5,000 to \$20,000.....	29	71	14.8	293,872	15.1	161,432	15.4
\$1,000,000 and over.....	42	20,701	43.9	124,878,073	44.9	51,735,595	43.7	\$20,000 to \$100,000.....	29	300	62.4	1,194,770	61.5	656,749	62.5
OAKLAND.....	593	23,347	100.0	134,755,470	100.0	70,778,506	100.0	\$100,000 to \$500,000.....	3	100	20.8	406,576	20.9	203,650	19.4
Less than \$5,000.....	125	69	0.3	321,888	0.2	146,397	0.2	SANTA CRUZ.....	41	572	100.0	3,944,114	100.0	2,431,353	100.0
\$5,000 to \$20,000.....	205	421	1.8	2,174,231	1.6	1,315,016	1.9	Less than \$5,000.....	6	2	0.3	14,537	0.4	11,042	0.5
\$20,000 to \$100,000.....	155	1,332	5.7	6,883,525	5.1	3,583,251	5.1	\$5,000 to \$20,000.....	16	45	7.9	159,041	4.0	80,160	3.5
\$100,000 to \$500,000.....	75	2,622	11.2	16,398,541	12.2	6,996,415	9.9	\$20,000 to \$100,000.....	14	144	25.2	611,833	15.5	272,672	11.2
\$500,000 to \$1,000,000.....	14	1,451	6.2	9,889,357	7.3	4,049,593	5.7	\$100,000 and over.....	5	381	66.6	3,158,103	80.1	2,061,579	84.8
\$1,000,000 and over.....	19	17,462	74.8	99,087,978	73.5	54,687,834	77.3	SANTA MONICA.....	29	136	100.0	519,241	100.0	287,568	100.0
PASADENA.....	191	1,044	100.0	5,767,527	100.0	2,651,485	100.0	Less than \$5,000.....	7	4	2.9	22,258	4.3	11,703	4.1
Less than \$5,000.....	39	18	1.7	120,404	2.1	75,777	2.9	\$5,000 to \$20,000.....	16	29	21.3	151,865	29.2	80,097	29.9
\$5,000 to \$20,000.....	92	210	20.1	924,782	16.0	514,262	20.5	\$20,000 and over.....	6	103	75.7	345,118	66.5	189,768	66.0
\$20,000 to \$100															



TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All oth- ers.				
All industries.....	1919	6,042	3,132	2,768	243,692	22,493	199,533	21,661	9.2	81.9	8.9	\$1,931,204,701	\$137,677,421	\$1,646,355,322	\$197,171,658	6.9	83.1	10.0				
	1914	5,089	2,866	2,102	139,481	15,121	112,830	11,530	10.8	80.9	8.3	712,800,764	59,557,270	592,098,066	61,145,428	8.4	83.1	8.6				
	1909	3,516	2,450	1,684	115,296	12,764	92,757	9,775	11.1	80.4	8.5	529,760,528	49,969,595	439,064,967	40,725,966	9.4	82.9	7.7				
Automobiles.....	1919	2	0	1	1,327	57	1,270		4.3	95.7		36,626,893	1,444,154	36,182,739		1.2	98.8					
	1914	1	7	1	292		292			100.0		1,233,183		1,233,183			100.0					
Automobile repairing.....	1919	989	112	556	5,992	3,099	979	1,914	51.7	16.3	31.9	24,893,910	12,297,689	3,795,541	8,800,680	40.4	15.2	35.4				
	1914	280	42	157	1,532	814	293	422	53.1	19.3	27.5	3,571,794	1,988,080	1,048,088	1,235,626	51.3	16.7	31.9				
Bread and other bakery products.	1919	775	87	233	5,394	1,915	2,469	1,010	35.5	45.8	18.7	48,956,691	17,852,235	21,506,554	9,597,902	36.5	43.9	19.6				
	1914	821	74	222	4,851	1,833	2,037	928	38.9	42.0	19.1	21,855,181	8,904,905	8,633,987	4,316,280	40.7	39.5	19.7				
Butter.....	1919	33	50	38	1,268	86	744	438	6.8	58.7	34.5	40,659,853	1,942,341	24,136,763	14,580,740	4.8	59.4	35.9				
	1914	50	68	53	909	125	578	206	13.8	63.6	22.7	18,809,200	2,110,585	11,544,035	5,244,580	11.2	61.1	27.8				
Canning and preserving, fish.	1919	5	48	4	2,989	426	2,456	107	14.3	82.2	3.6	17,482,795	1,269,360	15,990,324	233,121	7.2	91.5	1.3				
	1914	1	21	1	747		747			100.0		2,745,779		2,745,779			100.0					
Canning and preserving, fruits and vegetables.	1919	77	150	76	19,575	1,317	13,846	4,412	6.7	70.7	22.5	189,955,631	10,585,390	135,469,312	43,900,929	5.6	71.3	23.1				
	1914	41	123	41	11,029	601	9,659	769	5.4	87.6	7.0	54,425,007	2,255,325	48,077,411	4,092,271	4.1	88.3	7.5				
Cars and general shop construction and repairs by steam-railroad companies.	1919		60		16,213		16,213			100.0		41,926,975		41,926,975			100.0					
	1914		39		11,563		11,563			100.0		17,199,717		17,199,717			100.0					
Clothing, women's.....	1919	69	25	71	3,124	912	797	1,415	29.2	25.5	45.3	14,245,895	4,472,659	3,316,686	6,460,520	31.4	23.3	45.3				
	1914	34	19	33	1,060	298	362	400	28.1	34.2	37.7	2,732,867	921,073	899,680	912,114	33.7	32.9	33.4				
Coffee and spice, roasting and grinding.	1919	21	31	18	796	62	481	253	7.8	60.4	31.8	26,310,641	1,813,927	18,357,578	6,139,136	6.9	69.8	23.3				
	1914	13	23	7	464	57	293	114	12.3	63.1	24.6	9,584,459	950,970	6,490,171	2,143,318	9.9	67.7	22.4				
Confectionery and ice cream. <sup>3</sup>	1919	178	60	64	4,214	1,103	2,165	946	26.2	51.4	22.4	25,036,404	5,939,970	13,592,064	5,504,370	23.7	54.3	22.0				
	1914	102	36	45	2,104	449	878	777	21.3	41.7	36.9	7,645,440	1,463,439	3,639,084	2,542,917	19.1	47.6	33.3				
Flour-mill and gristmill products.	1919	25	90	19	1,779	28	1,705	46	1.6	95.8	2.6	65,448,352	1,061,692	62,902,291	1,484,369	1.6	95.1	2.3				
	1914	31	79	22	1,067	50	989	28	4.7	92.7	2.6	24,078,735	1,302,460	22,004,744	771,531	5.4	91.4	3.2				
Food preparations, not elsewhere specified.	1919	66	49	57	1,049	196	521	332	18.7	49.7	31.6	16,633,014	2,133,010	11,383,002	3,117,002	12.8	68.4	18.7				
	1914	71	55	55	938	278	450	204	29.6	48.6	21.7	8,010,713	1,171,219	5,642,364	1,197,130	14.6	70.4	14.9				
Foundry and machine-shop products. <sup>4</sup>	1919	311	206	139	10,118	1,554	7,636	928	15.4	75.5	9.2	52,802,871	7,078,720	40,671,355	5,052,790	13.4	77.0	9.6				
	1914	206	154	114	5,273	767	3,969	537	14.5	75.3	10.2	17,478,190	2,145,154	13,610,235	1,822,801	12.3	77.3	10.4				
Furniture.....	1919	96	31	49	2,883	720	1,703	460	25.0	59.1	16.0	13,639,927	3,137,990	8,228,554	2,273,377	23.0	60.3	16.7				
	1914	89	29	35	1,601	377	988	236	23.5	61.7	14.7	4,482,508	987,377	2,915,169	579,962	22.0	65.0	12.9				
Iron and steel, steel works and rolling mills.	1919		8		3,476		3,476			100.0		18,191,989		18,191,989			100.0					
	1914		7		1,244		1,244			100.0		4,213,739		4,213,736			100.0					
Leather, tanned, curried, and finished.	1919		16	5	1,453		1,289	164		88.7	11.3	21,416,302		18,783,500	2,632,802		87.7	12.3				
	1914	2	21	6	1,361		1,192	169		87.6	12.4	10,020,739		8,610,506	1,410,233		85.9	14.1				
Lumber and timber products.	1919	79	78	38	16,957	492	16,048	447	2.7	94.6	2.6	47,310,762	1,268,985	44,857,671	1,184,106	2.7	94.8	2.5				
	1914	91	76	42	15,087	473	14,353	261	3.1	95.1	1.7	22,973,245	651,202	21,966,046	355,997	2.8	95.6	1.5				
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	124	135	66	6,215	589	5,186	440	9.5	83.4	7.1	42,832,201	3,434,902	36,077,674	3,319,725	8.0	84.2	7.8				
	1914	121	178	76	6,109	611	5,120	378	10.0	83.8	6.2	26,100,666	2,260,830	22,505,041	1,334,795	8.7	86.2	5.1				
Petroleum, refining.....	1919	1	44		5,132		5,132			100.0		213,292,194		213,292,194			100.0					
	1914	2	32	4	1,930		1,907	23		98.8	1.2	55,527,651		54,917,623	610,028		98.9	1.1				
Printing and publishing, book and job.	1919	379	127	155	3,818	866	2,311	641	22.7	60.5	16.8	19,871,377	4,393,363	12,041,602	3,436,412	22.1	60.6	17.3				
	1914	385	110	130	3,172	704	1,929	539	22.2	60.8	17.0	9,885,477	2,280,137	5,923,914	1,681,426	23.1	59.9	17.0				
Printing and publishing, newspapers and periodicals.	1919	434	172	158	4,770	839	3,351	580	17.6	70.3	12.2	34,342,963	4,268,429	25,795,954	4,278,580	12.4	75.1	12.5				
	1914	462	205	155	4,334	1,228	2,624	482	28.3	60.5	11.1	21,557,591	4,606,609	14,944,011	2,006,971	21.4	69.3	9.3				
Shipbuilding, including boat building.	1919	24	27	16	47,530	216	47,054	260	0.5	99.0	0.5	185,882,234	916,667	183,858,817	1,106,750	0.5	98.9	0.6				
	1914	28	17	7	3,457	203	3,171	83	5.9	91.7	2.4	8,104,033	550,871	7,350,730	202,432	6.8	90.7	2.5				
Slaughtering and meat packing.	1919	34	43	14	3,405	298	2,988	119	8.8	87.8	3.5	92,554,164	9,179,749	75,384,796	7,989,619	9.9	81.4	8.6				
	1914	23	37	21	2,172	201	1,809	162	9.3	83.3	7.5	49,490,958	6,101,446	37,768,089	5,630,423	12.3	76.3	11.4				
Sugar, beet.....	1919		10		1,512		1,512			100.0		26,354,094		26,354,094			100.0					
	1914		12		2,009		2,009			100.0		15,528,666		15,528,666			100.0					
Total for cities.....	1919	3,880	2,110	1,834	165,311	16,305	133,265	15,741	9.9	80.6	9.5	1,191,377,917	95,532,731	954,912,732	140,932,454	8.0	80.2	11.8				
	1914	3,321	1,871	1,416	85,627	10,847	66,010	8,770	12.7	77.1	10.2	388,431,253	41,525,797	300,205,379	46,700,107	10.7	77.3	12.0				
ALAMEDA.....	1919	32	9	11	6,787	62	6,092	33	0.9	98.6	0.5	25,440,598	383,905	24,902,853	153,840	1.5	97.9	0.6				
	1914	23	17	12	1,087	101	968	18	9.3	89.1	1.7	2,786,176	248,891	2,463,395	73,890	8.9	88.4	2.7				
BAKERSFIELD.....	1919	33																				



TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.—Continued.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.				
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				
LONG BEACH.....	1919 1914	65 52	37 27	26 16	3,769 885	238 201	3,477 612	54 72	6.3 22.7	92.3 60.2	1.4 8.1	\$14,382,769 2,944,888	\$1,249,603 534,653	\$12,792,133 2,174,780	\$341,033 235,455	8.7 18.2	88.9 73.8	2.4 8.0		
LOS ANGELES.....	1919 1914	1,318 954	685 579	537 378	47,118 23,744	5,738 3,181	36,747 18,029	4,633 2,534	12.2 13.4	78.0 75.9	9.8 10.7	278,184,143 103,457,993	20,667,220 10,575,196	224,850,770 84,576,912	23,666,153 8,305,885	10.7 10.2	80.8 81.8	8.5 8.0		
OAKLAND.....	1919 1914	294 324	167 153	132 90	23,347 7,706	964 881	21,664 6,410	719 415	4.1 11.4	92.8 83.2	3.1 5.4	134,755,470 28,521,828	5,871,297 3,069,939	124,591,794 23,605,642	4,292,379 1,786,247	4.4 10.8	92.5 83.0	3.2 6.3		
PASADENA.....	1919 1914	109 67	36 25	46 26	1,044 536	359 183	504 270	181 83	34.4 34.1	48.3 50.4	17.3 15.5	5,767,527 1,971,891	1,615,713 572,273	3,357,336 1,126,282	794,478 273,336	28.0 29.0	58.2 57.1	13.8 13.9		
POMONO.....	1919 1914	39 35	8 5	17 14	535 322	108 140	313 112	114 70	20.2 43.5	58.5 34.8	21.3 21.7	3,754,153 825,000	806,632 374,694	2,364,762 307,477	582,769 142,929	21.5 45.4	63.0 37.3	15.5 17.3		
RICHMOND.....	1919	11	21	8	4,305	15	4,286	24	0.3	99.1	0.6	75,315,608	165,758	75,008,169	141,681	0.2	99.6	0.2		
RIVERSIDE.....	1919 1914	42 45	12 13	6 10	421 277	274 151	122 99	25 27	65.1 54.5	29.0 35.7	5.9 9.7	2,354,476 1,021,929	1,523,093 494,808	700,561 420,949	130,822 106,172	64.7 48.4	29.8 41.2	5.6 10.4		
SACRAMENTO.....	1919 1914	162 118	61 51	61 67	6,341 5,334	433 394	5,444 4,568	464 372	6.8 7.4	85.9 85.6	7.3 7.0	34,198,980 16,382,670	2,787,252 2,180,829	25,534,270 12,550,286	5,877,458 1,651,555	8.2 13.3	74.7 76.6	17.2 10.1		
SAN BERNARDINO.....	1919 1914	23 31	18 13	13 10	2,107 1,077	51 85	1,965 906	91 26	2.4 7.9	93.3 89.7	4.3 2.4	7,473,789 2,612,669	266,949 640,340	6,496,656 1,899,114	710,184 73,215	3.6 24.5	86.9 72.7	9.5 2.8		
SAN DIEGO.....	1919 1914	141 129	67 72	58 56	3,427 2,060	692 427	2,065 1,145	670 438	20.2 20.7	60.3 55.6	19.6 23.7	20,225,723 9,020,895	4,658,441 2,599,498	12,547,731 4,655,662	3,019,551 1,765,835	23.0 28.8	62.0 51.6	14.9 19.6		
SAN FRANCISCO.....	1919 1914	1,046 1,108	713 669	601 557	48,550 31,758	5,241 3,929	37,377 23,840	5,032 3,989	10.8 12.4	77.0 75.1	12.2 12.6	417,321,277 162,299,795	32,131,587 15,706,834	312,315,879 118,753,820	72,873,811 27,839,141	7.7 9.7	74.8 73.2	17.5 17.1		
SAN JOSE.....	1919 1914	107 125	46 55	45 43	3,090 2,029	282 248	2,290 1,657	518 124	9.1 12.2	74.1 81.7	16.8 6.1	25,135,500 10,806,117	2,186,968 1,035,741	19,930,324 8,670,713	3,018,208 1,099,663	8.7 9.6	79.3 80.2	12.0 10.2		
SANTA ANA.....	1919	38	18	18	628	148	427	53	23.6	68.0	8.4	3,627,249	856,255	2,384,239	386,755	23.6	65.7	10.7		
SANTA BARBARA.....	1919 1914	43 22	19 14	14 11	481 276	180 47	254 182	47 47	37.4 17.0	52.8 65.9	9.8 17.0	1,943,533 843,673	754,008 142,744	1,004,486 546,436	185,039 154,493	38.8 16.9	51.7 64.8	9.5 18.3		
SANTA CRUZ.....	1919 1914	20 41	10 15	11 23	572 401	71 63	441 266	60 72	12.4 15.7	77.1 66.3	10.5 18.0	3,944,114 1,320,427	1,381,204 236,510	2,315,148 802,133	247,762 281,778	35.0 17.9	58.7 60.7	6.3 21.3		
SANTA MONICA.....	1919	18	2	9	136	61	.....	175	44.9	.....	55.1	519,241	189,207	.....	1330,034	36.4	.....	63.6		
STOCKTON.....	1919 1914	95 87	45 37	68 33	3,534 1,919	419 335	2,815 1,461	300 123	11.9 17.5	79.7 78.1	8.5 6.4	30,675,898 11,293,483	1,957,729 1,543,344	26,490,713 9,169,224	2,221,456 580,915	6.4 13.7	80.4 81.2	7.2 5.1		
VALLEJO.....	1919 1914	16 12	5 9	11 8	478 292	49 60	370 214	59 18	10.3 20.5	77.4 73.3	12.3 6.2	18,056,382 3,071,919	282,151 145,693	16,748,606 2,830,923	1,025,625 95,303	1.6 4.7	92.8 92.2	5.7 3.1		
VENICE.....	1919	3	3	3	48	9	32	7	18.8	66.7	14.6	193,413	42,840	116,063	34,510	22.1	60.0	17.8		

1 Includes the group "Corporations."

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.	
			Total. <sup>1</sup>		10,000 to 25,000. <sup>1</sup>		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places. ....	1919	.....	25	.....	13	.....	9	.....	3	.....	.....	.....
	1914	.....	21	.....	10	.....	8	.....	3	.....	.....	.....
	1909	.....	21	.....	13	.....	5	.....	3	.....	.....	.....
Population <sup>2</sup> .....	1920	3,426,861	1,957,108	57.1	206,094	6.0	451,404	13.2	1,299,610	37.9	1,469,753	42.9
	1915	2,757,895	1,546,725	56.1	152,778	5.5	323,529	11.7	1,070,418	38.8	1,211,170	43.9
	1910	2,377,549	1,266,930	53.3	196,701	8.3	183,945	7.7	888,284	37.3	1,110,619	46.7
Number of establishments.....	1919	11,942	7,824	65.5	645	5.4	1,688	14.1	5,493	46.0	4,118	34.5
	1914	10,057	6,636	66.0	591	5.6	1,257	12.5	4,818	47.9	3,421	34.0
	1909	7,659	4,873	63.6	601	8.6	650	8.5	3,562	46.5	2,786	36.4
Average number of wage earners....	1919	243,692	165,311	67.8	12,082	5.0	34,214	14.0	119,015	48.8	78,381	32.2
	1914	139,481	85,734	61.5	5,330	3.8	17,196	12.3	63,208	45.3	53,747	38.5
	1909	115,296	69,522	60.3	8,472	7.4	8,574	7.4	52,476	45.5	45,774	39.7
Value of products. ....	1919	\$1,981,204,701	\$1,191,377,917	60.1	\$128,014,997	6.5	\$233,102,030	11.8	\$830,260,890	41.9	\$789,826,784	39.9
	1914	712,800,764	388,952,824	54.7	18,570,823	2.8	76,102,385	10.7	294,279,616	41.3	323,847,940	45.3
	1909	529,760,528	293,882,713	55.5	39,522,666	7.5	30,389,778	5.7	223,970,269	42.3	235,877,815	44.5
Value added by manufacture.....	1919	762,346,183	486,014,515	63.8	47,119,226	6.2	93,849,037	12.3	345,046,252	45.3	270,331,668	36.2
	1914	265,326,233	161,031,636	60.7	8,652,201	3.3	29,080,253	11.0	123,299,182	46.5	104,294,697	39.3
	1909	204,522,454	125,714,314	61.5	14,645,208	7.2	14,075,999	6.9	96,993,107	47.4	78,898,140	38.8

<sup>1</sup> Includes Redlands in 1914 and 1909; population less than 10,000 in 1920.<sup>2</sup> Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.



TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase <sup>1</sup> over 1914.			Amount, 1919.	Per cent of total for the state.	Increase <sup>1</sup> over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
BERKELEY.					OAKLAND—Continued.				
Bread and other bakery products.....	\$1,212,840	2.5	\$739,951	156.5	Printing and publishing, newspapers and periodicals.....	\$2,161,111	6.3	\$1,128,244	109.2
Chemicals.....	1,168,263	11.1	(2)	(2)	Automobiles.....				
Foundry and machine-shop products.....	1,029,280	2.0	-72,445	-6.6	Cars and general shop construction and repairs by steam-railroad companies.....				
Printing and publishing, book and job.....	257,036	1.3	189,664	281.5	Cotton goods.....	(2)	(2)	(2)	(2)
Printing and publishing, newspapers and periodicals.....	214,987	0.6	29,905	16.2	Flour-mill and gristmill products.....				
Canning and preserving, fruits.....					Gas, illuminating and heating.....				
Druggists' preparations.....					Iron and steel, steel works and rolling mills.....				
Engines, steam, gas, and water.....					Tinware, not elsewhere specified.....				
Fertilizers.....					SACRAMENTO.				
Ink, printing.....					Canning and preserving, fruits and vegetables.....	8,061,266	4.2	6,053,205	301.4
Knit goods.....					Bread and other bakery products.....	1,426,170	2.9	838,823	142.8
Leather, tanned, curried, and finished.....	(2)	(2)	(2)	(2)	Printing and publishing, newspapers and periodicals.....	1,143,913	3.3	332,443	41.0
Lumber, planing-mill products, not including planing mills connected with sawmills.....					Automobile repairing.....	767,415	3.1	651,404	551.5
Oil, vegetable and composite.....					Confectionery and ice cream.....	703,367	3.0	(2)	(2)
Paints.....					Butter.....				
Pumps, steam.....					Cars and general shop construction and repairs by steam-railroad companies.....				
Soap.....					Flour-mill and gristmill products.....	(2)	(2)	(2)	(2)
LONG BEACH.					Iron and steel, steel works and rolling mills.....				
Canning and preserving, fish.....	1,183,597	6.8	(2)	(2)	Liquors, malt.....				
Bread and other bakery products.....	555,065	1.1	310,588	127.0	Rice, cleaning and polishing.....				
Lumber, planing-mill products, not including planing mills connected with sawmills.....	487,521	1.1	15,676	3.3	SAN DIEGO.				
Automobile repairing.....	479,069	1.9	416,269	662.8	Canning and preserving, fish.....	1,995,752	11.4	1,813,594	995.6
Automobile bodies and parts.....	259,009	3.3	(2)	(2)	Bread and other bakery products.....	1,522,135	3.1	823,678	117.9
Pickles and sauces.....					Printing and publishing, newspapers and periodicals.....				
Printing and publishing, newspapers and periodicals.....	(2)	(2)	(2)	(2)	Automobile repairing.....	844,911	2.5	171,489	25.5
Shipbuilding, steel, new vessels.....					Confectionery and ice cream.....	627,431	2.5	519,715	482.5
Woolen goods.....					Flour-mill and gristmill products.....	539,703	2.3	162,353	43.0
LOS ANGELES.					Gas, illuminating and heating.....				
Slaughtering and meat packing.....	24,799,330	26.8	10,873,380	78.1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	(2)	(2)	(2)	(2)
Flour-mill and gristmill products.....	13,791,854	21.1	8,615,777	166.5	Shipbuilding, concrete.....				
Foundry and machine-shop products.....	11,816,564	22.7	6,976,319	144.1	Slaughtering and meat packing.....				
Cars and general shop construction and repairs by steam-railroad companies.....	10,513,840	25.1	6,672,196	166.7	Soap.....				
Bread and other bakery products.....	10,492,324	21.4	5,677,233	117.9	SAN FRANCISCO.				
Confectionery and ice cream.....	9,799,350	42.2	7,072,120	269.3	Shipbuilding, including boat building.....	46,075,119	24.8	41,124,999	830.8
Printing and publishing, newspapers and periodicals.....	9,728,450	28.3	3,887,645	66.6	Slaughtering and meat packing.....	22,088,940	23.9	7,764,287	54.2
Lumber and planing-mill products, not including planing mills connected with sawmills.....					Coffee and spice, roasting and grinding.....	21,784,677	82.8	14,514,303	199.6
Clothing, women's.....	9,251,981	21.6	773,195	9.1	Automobiles.....	20,201,186	55.3	(2)	(2)
Clothing, men's.....	8,386,445	58.9	7,458,005	803.3	Bread and other bakery products.....	14,748,495	30.1	8,065,136	120.7
Printing and publishing, book and job.....	6,566,983	33.0	3,690,824	129.0	Bags, other than paper, not including bags made in textile mills.....	13,414,851	100.0	(2)	(2)
Furniture.....	5,806,648	43.2	4,835,310	455.6	Foundry and machine-shop products.....	13,358,050	25.7	8,488,961	174.3
Automobile repairing.....	5,783,026	23.2	4,793,321	494.3	Printing and publishing, newspapers and periodicals.....	12,201,123	35.5	4,682,294	62.3
Canning and preserving, fruits and vegetables.....	5,710,296	3.0	4,340,738	316.9	Canning and preserving, fruits and vegetables.....	11,899,240	6.3	5,500,533	86.2
Petroleum, refining.....	5,613,897	2.6	4,468,085	389.9	Tinware, not elsewhere specified.....	10,558,932	39.4	(2)	(2)
Canning and preserving, fish.....	5,613,331	32.1	4,642,102	424.0	Printing and publishing, book and job.....	9,500,458	47.8	4,172,137	78.3
Engines, steam, gas, and water.....					Rice, cleaning and polishing.....	8,355,082	41.2	(2)	(2)
Gas, illuminating and heating.....	(2)	(2)	(2)	(2)	Clothing, men's.....	8,287,615	72.7	4,739,569	133.6
Shipbuilding, steel.....					Tobacco, cigars and cigarettes.....	8,157,365	75.8	5,718,838	234.5
OAKLAND.					Confectionery and ice cream.....	7,229,611	31.1	4,604,902	175.4
Shipbuilding, steel.....	45,271,236	25.3	(2)	(2)	Furniture.....	6,467,810	47.4	3,727,993	136.1
Canning and preserving, fruits.....	11,285,387	5.9	8,151,497	260.1	Leather, tanned, curried, and finished.....	6,431,576	30.0	2,994,600	87.1
Lumber, planing-mill products, not including planing mills connected with sawmills.....	9,790,197	22.9	(2)	(2)	Flour-mill and gristmill products.....	5,735,767	8.8	2,620,011	84.1
Electrical machinery, apparatus, and supplies.....	2,999,849	26.4	(2)	(2)	Chocolate and cocoa products.....	5,682,682	100.0	(2)	(2)
Bread and other bakery products.....	2,775,396	5.7	1,281,007	85.7	Clothing, women's.....	5,589,618	39.2	3,864,416	224.0
Engines, steam, gas, and water.....	2,645,208	20.8	1,126,654	74.2	Liquors, malt.....	5,577,145	48.8	1,025,683	41.1
Foundry and machine-shop products.....	2,460,509	4.7	1,734,921	239.1	Gas, illuminating and heating.....	(2)	(2)	(2)	(2)
					Oil, not elsewhere specified.....			(2)	(2)
					Sugar, refining, not including beet sugar.....			(2)	(2)

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Figures can not be shown without disclosing individual operations.<sup>3</sup> Includes "iron and steel, tempering and welding."<sup>4</sup> Includes "iron and steel, welding."



## MANUFACTURES—CALIFORNIA.

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	55,023	27,057	14,249	766,016	491,025	329,100	100.0	100.0	100.0
Owned.....	3,953	3,312	3,447	243,980	230,759	211,341	31.9	47.0	64.2
Steam.....	2,790	2,323	2,520	211,255	207,695	193,556	27.6	42.3	58.8
Engines.....	2,637	(*)	(*)	179,220	(*)	(*)	23.4	—	—
Turbines.....	123	(*)	(*)	32,036	(*)	(*)	4.2	—	—
Internal-combustion engines.....	1,053	877	765	25,020	15,614	10,115	3.3	3.2	3.1
Water.....	110	112	102	7,704	7,450	7,070	1.0	1.5	2.3
Water wheels and turbines.....	81	74	115	7,443	6,975	7,390	1.0	1.4	2.2
Water motors.....	29	38	47	261	475	230	(*)	0.1	0.1
Rented.....	51,070	23,745	10,802	522,036	260,266	117,759	68.1	53.0	35.8
Electric.....	51,070	23,745	10,802	521,188	258,734	116,537	68.0	52.7	35.4
Other.....	—	—	—	848	1,532	1,222	0.1	0.3	0.4
Electric.....	55,026	26,040	12,363	572,284	291,344	142,684	100.0	100.0	100.0
Rented.....	51,070	23,745	10,802	521,188	258,734	116,537	91.1	88.8	81.1
Generated by establishments reporting.....	3,956	2,295	1,561	51,096	32,610	27,147	8.9	11.2	18.9

\* Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power. \* Not reported separately. \* Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	4,002	117,085	194,643	14,493,285	334,602	7,587,674
Per cent of increase.....	1014..	1014..	97.386	13,359,678	(1)	3,313,379
	100.1	237.3	99.9	11.0	(1)	128.7
Bread and other bakery products.....	190	277	282	29,254	135,021	440,018
Brick and tile, terra-cotta, and fire-clay products.....	100	5,432	10	411,305	192	407,969
Canning and preserving, fruits and vegetables.....	—	88	1,422	529,587	3,088	112,150
Cars and general shop construction and repairs by steam-railroad companies.....	39	10,076	508	862,257	71	7,020
Cement.....	—	—	—	1,035,561	—	—
Chemicals.....	17	56	1,716	496,136	60	21,352
Foundry and machine-shop products.....	330	5,930	32,564	89,342	2,949	436,491
Gas, illuminating and heating.....	223	2,851	—	3,004,166	17,750	304,868
Ice, manufactured.....	—	1	—	322,630	479	71,600
Iron and steel, steel works and rolling mills.....	—	—	3,151	454,206	68,088	369,483
Leather, tanned, curried, and finished.....	—	804	—	69,273	—	—
Lime.....	—	68,374	—	—	—	—
Petroleum, refining.....	—	—	—	3,113,980	805	3,378,068
Printing and publishing, newspapers and periodicals.....	29	318	4	17,504	1,540	185,488
Shipbuilding, steel.....	1,724	1,307	13,770	191,715	5,142	1,796
Sugar, beet.....	—	—	84,065	506,277	—	201
Sugar, refining, not including beet sugar.....	—	50	—	797,099	—	—
All other industries.....	1,350	21,411	57,151	2,562,462	98,705	1,847,271
Total for cities.....	3,272	20,381	59,283	7,544,259	120,042	2,448,074
ALAMEDA.....	502	500	1,123	49,637	624	3,006
BAKERSFIELD.....	248	257	194	127,791	1,693	14,214
BERKELEY.....	57	84	1,771	113,476	475	14,591
BUREKA.....	—	28	151	12,490	207	846
FRESNO.....	24	107	140	246,026	2,537	17,475
GLENDALE.....	—	2	—	3,894	—	5,435
LONG BEACH.....	—	—	415	53,376	1,515	42,173
LOS ANGELES.....	113	3,251	5,737	1,586,844	13,534	1,327,931
OAKLAND.....	138	1,077	36,188	976,948	5,638	221,037
PASADENA.....	29	—	650	21,610	286	20,178
POMONA.....	—	6	140	2,258	2	50,645
RICHMOND.....	1	5,722	545	1,282,116	52	17,476
RIVERSIDE.....	—	49	80	2,558	202	5,807
SACRAMENTO.....	181	225	279	275,849	69,083	30,822
SAN BERNARDINO.....	39	989	358	177,730	51	2,970
SAN DIEGO.....	26	245	139	231,231	1,178	15,060
SAN FRANCISCO.....	1,820	5,633	9,760	1,892,419	16,852	351,472
SAN JOSE.....	8	913	190	127,214	1,271	11,959
SANTA ANA.....	—	59	60	3,063	40	70,568
SANTA BARBARA.....	4	23	279	66,893	136	6,706
SANTA CRUZ.....	—	39	22	30,862	74	1,895
SANTA MONICA.....	—	—	—	23,267	—	3,897
STOCKTON.....	10	1,114	1,062	186,427	4,544	207,569
VALLEJO.....	12	8	—	49,348	48	2,825
VENICE.....	—	—	—	62	—	1,480

<sup>1</sup> Included in figures for fuel oils.



## SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for 11 of these industries for California are here presented.

**Petroleum, refining** (Table 19).—Measured by value of products this industry ranked first among the manufacturing industries of the state in 1919, the value of products constituting 10.8 per cent of the total for all manufactures. In 1914, among the manufacturing industries in the state, petroleum refining was second with 7.8 per cent of the total, and in 1909, eighth with 3.4 per cent. Among the states in 1919 California ranked third in this industry, being exceeded by New Jersey and Texas. In 1914 its rank in the industry was second (New Jersey being first) and in 1909, fifth.

The total production of refined oils in 1919, the same including gasoline and naphthas, fuel oils, illuminating oils, and lubricating oils, was 64,542,869 barrels of 50 gallons, as compared with 33,478,287 barrels in 1914 and 6,475,705 barrels in 1909. In value these oils aggregated \$206,302,747 in 1919, \$52,725,526 in 1914, and \$13,304,232 in 1909.

The figures show a quantity increase from 1914 to 1919 of 92.8 per cent with an increase in value of 291.3 per cent. The average value per barrel for the refined oils, as a whole, was \$3.20 in 1919, \$1.57 in 1914, and \$2.05 in 1909. Of the total production of refined oils in 1919, fuel oils constituted 77.3 per cent, gasoline and naphthas 13.8 per cent, illuminating oils 7 per cent, and lubricating oils 1.9 per cent. In 1914 the distribution percentages were 74.5, 14.6, 10, and nine-tenths of 1 per cent, respectively, and in 1909, 60.7, 9.7, 26.7, and 2.9.

TABLE 19.—PETROLEUM, REFINING: 1919, 1914, AND 1909.

MATERIALS.	1919	1914	1909
Total cost.....	\$141,876,645	\$38,169,817	\$13,897,721
Crude petroleum:			
Barrels (42 gallons).....	74,967,487	41,901,651	13,481,085
Cost.....	\$110,836,778	\$30,157,013	\$10,105,311
Distillates purchased and rerun:			
Barrels (42 gallons).....	5,754,200	344,740	( <sup>1</sup> )
Cost.....	\$10,770,577	\$659,676	( <sup>1</sup> )
Casing-head gasoline purchased:			
Barrels (42 gallons).....	170,465		
Cost.....	\$1,345,401		
Casing-head gas ("wet" natural gas):			
M. cubic feet.....	14,872,322		
Cost.....	\$1,202,194		
Sulphuric acid:			
Tons (2,000 pounds).....	143,416		
Cost.....	\$2,974,678		
Caustic soda:			
Pounds.....	4,456,262	\$1,038,700	\$754,383
Cost.....	\$109,268		
Other chemicals and filtering materials.	\$497,320		
Containers and materials therefor.....	\$5,783,441	\$919,696	\$856,894
All other materials, including fuel and rent of power, cost.....	\$8,266,988	\$5,394,732	\$2,181,103

<sup>1</sup> Figures not available.

TABLE 19.—PETROLEUM, REFINING: 1919, 1914, AND 1909—Con.

PRODUCTS.	1919	1914	1909
Total value.....	\$213,292,194	\$55,527,651	\$17,878,006
Naphthas and lighter products:			
Gasoline—			
Gallons.....	335,613,072	123,326,460	
Value.....	\$64,989,730	\$12,679,456	
Naphtha—			
Gallons.....	81,664,241		31,440,200
Value.....	\$8,753,176		\$3,256,209
Benzine—			
Gallons.....	2,722,608	121,685,000	
Value.....	\$305,623	\$5,810,209	
Other—			
Gallons.....	29,007,024		
Value.....	\$3,372,739		
Illuminating oils:			
Gallons.....	226,653,840	166,973,950	86,443,150
Value.....	\$18,408,503	\$9,186,804	\$5,047,759
Fuel oils:			
Distillates—			
Gallons.....	119,013,876	68,910,300	
Value.....	\$9,820,720	\$2,521,941	
Gas oils—			
Gallons.....	77,392,248	34,980,100	196,568,300
Value.....	\$3,224,196	\$880,251	\$3,862,603
Residual fuel oil—			
Gallons.....	2,296,383,175	1,142,797,050	
Value.....	\$81,445,656	\$18,395,771	
Lubricating oils:			
Pale or paraffin—			
Gallons.....	34,453,408	6,431,350	
Value.....	\$9,202,305	\$1,353,418	
Red or neutral—			
Gallons.....	10,174,175	7,601,550	
Value.....	\$2,675,248	\$1,718,678	
Cylinder oils—			
Gallons.....	3,186,439	551,700	9,333,600
Value.....	\$859,480	\$87,825	\$1,137,661
All other—			
Gallons.....	13,879,053	656,950	
Value.....	\$3,246,362	\$91,173	
Liquid asphaltic road oils and residuum or tar:			
Gallons.....	5,600,000	23,202,350	6,203,100
Value.....	\$329,438	\$448,505	\$96,478
Greases, lubricating and axle:			
Gallons.....	1,838,557	921,850	566,500
Value.....	\$1,359,687	\$471,776	\$134,036
Paraffin wax:			
Gallons.....	75,783	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$27,701	( <sup>1</sup> )	( <sup>1</sup> )
Asphalt, other than liquid asphalt:			
Tons (2,000 pounds).....	141,008	176,524	139,473
Value.....	\$2,631,841	\$1,505,073	\$1,622,683
Acid oil:			
Gallons.....	18,131,914		
Value.....	\$277,392	\$376,771	\$2,720,577
All other products, value.....	\$2,463,388		
EQUIPMENT.			
Stills:			
Steam—			
Number.....	86	86	29
Capacity (gallons).....	1,976,000	2,114,000	216,000
Fire—			
Number.....	476	353	208
Capacity.....	14,868,000	8,785,000	6,591,000
Pressure—			
Number.....	1		
Capacity.....	1,500		
Storage tanks:			
Crude petroleum—			
Number.....	194	104	165
Capacity (gallons).....	177,173,000	67,254,000	29,037,000
Refined petroleum products—			
Number.....	1,255	760	
Capacity.....	345,927,000	153,258,000	636
Fuel oil—			
Number.....	270	119	55,414,000
Capacity.....	312,171,000	34,305,000	
Other—			
Number.....	126	185	
Capacity.....	21,373,000	72,895,000	

<sup>1</sup> Figures not available.

**Canning and preserving** (Table 20).—California ranked first among the states in the canning of fruits and vegetables in 1919. Of the total value of canned fruits produced in the United States in that year, California reported 66.8 per cent, and of dried fruits, 90.3 per cent. Of the canned vegetables, this state reported 13.3 per cent, and of the dried vegetables, 56.4 per cent.



Large increases are shown in the value of the several products in 1919, as compared with 1914, canned salmon being the only instance of a decrease in this particular. With the exception of canned berries and salmon, and dried prunes and apricots, increases are shown in all instances for quantities.

Of the total value of all products of the industry in the state in 1919, canned fruits valued at \$84,676,590 represented 38.6 per cent, and dried fruits valued at \$77,078,878 represented 35.2 per cent. The corresponding percentages in 1914 were 25.9 per cent and 49.9 per cent, respectively. Large percentages of increase are shown for the several branches of the industry from 1914 to 1919, due largely to the increased prices prevailing in 1919. The total value of all products of the industry increased during this five-year period \$157,632,751, or 255.7 per cent.

TABLE 20.—CANNING AND PRESERVING: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$219,278,576	\$61,045,825	\$32,914,829
Canning and preserving, fruits and vegetables.....	\$189,955,631	\$54,551,091	\$28,931,279
Canning and preserving, fish.....	\$17,482,795	\$3,035,384	\$1,156,881
Pickles, preserves, and sauces.....	\$11,840,150	\$4,059,350	\$2,826,669
Canned vegetables.....	\$23,055,338	\$6,855,055	\$3,470,621
Tomatoes—			
Cases.....	3,598,599	1,730,487	536,837
Value.....	\$10,378,611	\$3,122,532	\$1,120,632
Asparagus—			
Cases.....	994,660	620,850	296,388
Value.....	\$6,482,296	\$2,733,950	\$1,794,346
Beans—			
Cases.....	692,823	154,882	47,505
Value.....	\$1,477,460	\$275,807	\$87,059
Spinach—			
Cases.....	368,718	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$1,306,312	( <sup>1</sup> )	( <sup>1</sup> )
Tomato paste—			
Cases.....	120,702	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$659,040	( <sup>1</sup> )	( <sup>1</sup> )
Tomato pulp—			
Cases.....	158,972	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$654,949	( <sup>1</sup> )	( <sup>1</sup> )
Peas—			
Cases.....	211,989	165,540	123,349
Value.....	\$559,300	\$317,676	\$250,624
Beets—			
Cases.....	80,533	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$344,352	( <sup>1</sup> )	( <sup>1</sup> )
Sweet potatoes—			
Cases.....	52,677	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$249,180	( <sup>1</sup> )	( <sup>1</sup> )
Pumpkin—			
Cases.....	38,465	9,944	10,941
Value.....	\$118,932	\$11,348	\$15,165
All other—			
Cases.....	409,683	119,621	64,480
Value.....	\$824,903	\$303,742	\$202,795
Dried vegetables:			
Pounds.....	4,516,098	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$1,206,360	( <sup>1</sup> )	( <sup>1</sup> )
Canned fruits.....	\$84,676,590	\$15,094,119	\$7,218,342
Peaches—			
Cases.....	6,851,771	2,922,637	1,149,590
Value.....	\$42,272,876	\$8,685,831	\$3,013,203
Apricots—			
Cases.....	3,835,027	1,005,234	627,701
Value.....	\$24,602,707	\$2,963,672	\$1,819,558
Pears—			
Cases.....	1,033,375	692,782	433,796
Value.....	\$8,132,485	\$2,796,356	\$1,316,022
Cherries—			
Cases.....	610,314	131,252	224,084
Value.....	\$3,713,210	\$469,005	\$491,575
Plums—			
Cases.....	356,548	150,216	138,995
Value.....	\$1,526,292	\$247,505	\$230,334
Berries—			
Cases.....	153,492	165,198	95,092
Value.....	\$1,077,257	\$345,322	\$171,995
Prunes—			
Cases.....	87,653	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$558,757	( <sup>1</sup> )	( <sup>1</sup> )
Apples—			
Cases.....	138,743	110,672	67,710
Value.....	\$487,847	\$214,021	\$136,855
All other—			
Cases.....	419,468	117,608	20,013
Value.....	\$2,305,189	\$282,407	\$68,750

TABLE 20.—CANNING AND PRESERVING: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
Dried fruits.....	\$77,078,878	\$30,735,350	\$18,212,316
Raisins—			
Pounds.....	293,276,581	223,712,822	195,774,767
Value.....	\$35,541,862	\$13,681,048	\$6,912,533
Prunes—			
Pounds.....	114,235,605	123,586,570	118,917,876
Value.....	\$15,200,343	\$7,956,549	\$4,364,922
Peaches—			
Pounds.....	73,244,010	61,376,251	46,827,391
Value.....	\$12,069,926	\$2,888,962	\$2,422,043
Apricots—			
Pounds.....	23,944,612	39,266,204	29,205,569
Value.....	\$5,994,309	\$3,602,690	\$2,277,177
Figs—			
Pounds.....	15,923,116	( <sup>2</sup> )	( <sup>3</sup> )
Value.....	\$2,785,281	( <sup>2</sup> )	( <sup>3</sup> )
Apples—			
Pounds.....	15,477,039	10,786,714	6,860,170
Value.....	\$2,630,300	\$663,673	\$481,173
All other—			
Pounds.....	17,152,427	( <sup>2</sup> )	( <sup>3</sup> )
Value.....	\$2,856,837	\$1,942,428	\$1,724,468
Fish.....	\$10,111,686	\$3,015,347	\$1,156,881
Canned fish.....	\$13,473,211	\$2,455,851	\$620,208
Sardines—			
Cases.....	2,100,532	302,736	<sup>4</sup> 1,980,864
Value.....	\$7,541,285	\$368,420	\$238,607
Tuna—			
Cases.....	825,476	437,000	( <sup>4</sup> )
Value.....	\$5,353,369	\$1,638,675	( <sup>4</sup> )
Salmon—			
Cases.....	10,049	40,430	( <sup>4</sup> )
Value.....	\$127,659	\$241,335	( <sup>4</sup> )
All other—			
Cases.....	61,205	29,110	<sup>4</sup> 2,286,610
Value.....	\$450,898	\$207,421	\$387,601
Smoked and dried fish—			
Pounds.....	250,116	130,500	100,900
Value.....	\$52,616	\$16,312	\$14,080
Salted and pickled fish—			
Pounds.....	14,218,442	10,362,064	8,289,359
Value.....	\$2,585,859	\$543,184	\$515,993
Pickles, preserves, and sauces, value.....	\$11,840,150	\$4,059,350	
All other by-products of fruits and vegetables, value.....	\$3,878,465	\$966,567	\$2,826,669
All other by-products of fish and oysters, value.....	\$1,371,109	\$20,037	

<sup>1</sup> In addition, canned fruits and vegetables to the value of \$1,017,358 and canned and cured fish to the value of \$908,086 were reported by establishments engaged primarily in other industries.

<sup>2</sup> Includes \$482,976 reported by establishments engaged primarily in other industries.

<sup>3</sup> Included in "All other," to avoid disclosure of individual operations.

<sup>4</sup> Figures not available.

<sup>5</sup> Canned fish reported in pounds in 1909.

Shipbuilding, including boat building (Tables 21 and 22).—This industry includes the building and repairing of steel and wooden vessels, as well as small craft, and the manufacture of masts, spars, and oars, etc. Comparisons of the 1919 figures for this industry, unlike those for any other for which totals are presented, are made with that of the special census for shipbuilding, 1916.

The number and tonnage of all vessels launched in 1919 and 1916, except those of less than 5 tons, are shown by classes in Table 21.

TABLE 21.—SHIPBUILDING, INCLUDING BOAT BUILDING—NUMBER AND TONNAGE: 1919 AND 1916.

	1919		1916	
	Num-ber.	Gross tonnage.	Num-ber.	Gross tonnage.
Vessels, 5 gross tons and over launched during the year.....	162	503,986	118	89,108
Steel.....	106	474,401	14	82,012
Steam.....	99	463,423	12	81,012
Motor.....	7	5,978	2	1,000
Wooden.....	56	29,585	104	7,096
Steam.....	9	21,400	4	1,784
Motor.....	29	1,069	72	2,491
Sail.....	4	4,173	2	110
Unrigged.....	14	2,943	26	2,831
Power boats, less than 5 gross tons.....	108		66	



The gross tonnage of iron and steel vessels launched, which was 82,012 in 1916, increased to 474,401 in 1919; and although the number of wooden vessels launched in 1919 was 48 less than in 1916, there was an increase of 22,489 in the gross tonnage. Fifty-three steel vessels, with a total of 162,444 gross tons, were launched at San Francisco, and 27 vessels, with 156,060 gross tons, at Oakland. A large portion of the iron and steel vessels were freighters, some over 6,000 gross tons and nearly all equipped with oil burners. Fifteen steel tankers were launched at San Francisco, with a total tonnage of 106,074. The largest of these tankers was of 7,311 gross tons. Two concrete tankers of 15,000 gross tons were under construction at San Diego in 1919, but were not launched during that year.

The value of work done upon vessels of all kinds during 1919 and 1916 is shown in Table 22.

TABLE 22.—SHIPBUILDING, INCLUDING BOAT BUILDING—VALUE: 1919 AND 1916.

	1919	1916
Total value of work.....	\$185,882,234	\$19,777,911
Work done during the year—		
On new vessels of 5 gross tons and over.....	172,219,071	14,658,797
Steel.....	167,773,847	13,088,783
Wooden.....	4,445,224	1,570,014
On boats of less than 5 tons.....	292,932	139,761
Power boats of all kinds.....	145,106	57,887
Sailboats, rowboats, etc.....	147,826	81,874
Repair work.....	12,559,965	3,594,445
Steel.....	10,621,670	2,715,114
Wooden.....	1,938,295	879,331
Masts.....	26,740	( <sup>1</sup> )
All other products.....	783,526	1,384,008

<sup>1</sup> Included in "all other products."

The statistics presented in the two preceding tables are exclusive of the work done in the United States navy yard at Mare Island, in which 5 steel vessels of 37,160 displacement tonnage, the battleship *California* of 32,300 tons, and 4 destroyers aggregating 4,860 tons, were launched in 1919. There were also launched in this yard, during that year, 9 wooden motor tugboats, aggregating 540 displacement tonnage, and 113 small power boats of less than 5 gross tons each. Construction work was also done upon 7 vessels not launched, 5 steel and 2 wooden, of 48,180 tons displacement.

Slaughtering and meat packing (Table 23).—This table presents for the census years 1919, 1914, and 1909, the number and cost of the most important classes of animals slaughtered; the cost of "all other materials," which includes that for goats and kids, poultry, dressed meat purchased for curing and canning, cottonseed oil for making lard compounds and substitutes, curing materials, whole milk and butter for making oleomargarine, seasoning, refrigeration, containers, fuel, rent of power, mill supplies, and freight; and the quantity and value of the most important products that can be presented without disclosing individual operations. The item "all other products" includes canned beef, pork, and pork and beans, canned sausage, oleo oil, oleo stearin, oleomargarine, casings,

hoofs, horns, horntips, strips and waste, glue, grease, soap stock, and poultry goods. The value of dressed poultry and goat meat is included in that for "Edible offal and all other fresh meat."

Although there was a large increase in the value of products in 1919 as compared with 1914, \$43,054,206, or 87 per cent, the growth of the industry as indicated by the number of animals slaughtered was slight. There were only 5,554 more animals killed in 1919 than in 1914. The number of beeves, calves, and hogs increased 234,725, but the number of sheep and lambs decreased 229,171.

TABLE 23.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$77,416,321	\$40,930,582	\$28,224,077
Animals slaughtered, cost.....	\$68,955,515	\$35,109,752	\$24,055,174
Beeves—			
Number.....	395,524	315,762	341,617
Cost.....	\$39,576,429	\$21,709,776	\$14,348,274
Calves—			
Number.....	86,980	31,834	81,344
Cost.....	\$2,110,967	\$513,608	\$930,781
Sheep and lambs—			
Number.....	1,198,079	1,427,250	1,071,998
Cost.....	\$12,178,278	\$6,784,792	\$4,436,865
Hogs—			
Number.....	500,123	400,306	344,319
Cost.....	\$15,089,841	\$6,101,576	\$4,339,254
All other materials, cost.....	\$8,460,806	\$5,820,830	\$4,168,903
<b>PRODUCTS.</b>			
Total value.....	\$92,554,164	\$49,499,958	\$33,953,277
Fresh meat, value.....	\$54,992,434	\$32,973,029	\$22,830,452
Beef—			
Pounds.....	192,753,812	178,314,652	186,315,779
Value.....	\$32,873,279	\$19,028,654	\$13,820,710
Veal—			
Pounds.....	11,741,785	4,063,441	12,077,330
Value.....	\$2,230,552	\$539,357	\$1,104,753
Mutton and lamb—			
Pounds.....	45,057,992	59,522,015	44,220,813
Value.....	\$10,319,275	\$6,874,334	\$4,215,624
Pork—			
Pounds.....	33,610,270	40,125,668	32,204,886
Value.....	\$8,452,760	\$5,232,060	\$3,472,610
Edible offal and all other fresh meat—			
Pounds.....	10,491,408	6,038,635	3,435,527
Value.....	\$1,116,568	\$398,624	\$216,755
Cured meat, value.....	\$8,310,205	\$4,677,022	\$2,443,545
Beef, pickled and other cured—			
Pounds.....	1,805,077	2,486,621	1,455,480
Value.....	\$462,982	\$261,945	\$137,792
Pork, pickled and other cured—			
Pounds.....	21,276,818	24,825,588	13,964,304
Value.....	\$7,857,223	\$4,415,077	\$3,839,753
Sausage—			
Pounds.....	7,678,040	8,604,082	6,195,723
Value.....	\$1,510,019	\$1,159,846	\$608,682
Lard—			
Pounds.....	7,889,888	5,715,249	6,644,167
Value.....	\$2,220,627	\$652,455	\$608,623
Lard compounds and substitutes:			
Pounds.....	28,882,458	25,828,084	( <sup>1</sup> )
Value.....	\$6,599,146	\$2,251,377	( <sup>1</sup> )
Casings:			
Pounds.....	1,025,745	1,273,952	( <sup>1</sup> )
Value.....	\$140,401	\$109,384	( <sup>1</sup> )
Tallow, oleo stock, and stearin:			
Pounds.....	2,903,376	10,440,236	11,363,156
Value.....	\$1,209,463	\$494,767	\$604,712
Fertilizers and fertilizer materials:			
Tons.....	31,135	12,802	6,082
Value.....	\$1,275,682	\$450,681	\$102,509
Hides and pelts:			
Cattle—			
Number.....	395,524	315,762	
Pounds.....	23,494,204	19,521,965	
Value.....	\$9,442,593	\$3,215,742	
Calf—			
Number.....	42,777	18,456	
Pounds.....	624,077	232,522	
Value.....	\$258,641	\$39,861	
Sheep—			
Number.....	1,083,297	1,406,831	1,070,801
Value.....	\$3,008,331	\$875,883	\$742,098
Wool:			
Pounds.....	2,099,869	1,920,987	1,707,577
Value.....	\$1,685,352	\$513,006	\$430,967
All other products, value.....	\$4,802,295	\$2,086,905	\$2,580,592

<sup>1</sup> Not reported separately.

<sup>2</sup> No oleo stock reported.



**Flour-mill and gristmill products (Table 24).**—During the five-year period 1914 to 1919 there was an increase of \$41,369,617, or 171.8 per cent, in the total value of products for the industry in the state. Wheat flour was the product of chief value, forming 57 per cent of the total in 1919, as compared with 43 per cent in 1914. Feed and offal was second in importance at these two censuses, with 26.4 per cent of the total value in 1919, and 41.5 per cent in 1914. Large increases as a rule are noticeable in the values of the products shown, but the increases in quantities are much smaller; in the case of feed and offal there was an actual decrease in quantity during the five-year period of 20.1 per cent.

TABLE 24.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$65,448,352	\$24,078,735	\$25,188,133
Wheat flour:			
Barrels.....	3,353,303	1,753,007	1,505,248
Value.....	\$37,296,512	\$10,341,920	\$10,375,701
Rye flour:			
Barrels.....	3,541	5,682	9,214
Value.....	\$38,024	\$32,204	\$45,145
Buckwheat flour:			
Pounds.....	713,121	25,180	133,328
Value.....	\$45,263	\$783	\$4,514
Barley meal:			
Pounds.....	19,599,133	3,098,678	60,000
Value.....	\$709,973	\$50,011	\$2,034
Corn meal and corn flour:			
Barrels.....	113,250	93,165	50,069
Value.....	\$1,064,460	\$410,157	\$222,399
Hominy and grits:			
Pounds.....	667,951	580,165	736,669
Value.....	\$33,903	\$13,310	\$20,937
Oatmeal:			
Pounds.....	739,100	5,904,000	.....
Value.....	\$36,955	\$236,060	.....
Bran and middlings:			
Tons.....	129,859	80,185	.....
Value.....	\$6,662,593	\$2,180,649	.....
Feed and offal:			
Tons.....	283,206	354,523	416,074
Value.....	\$17,268,767	\$10,002,906	\$12,518,441
Breakfast foods:			
Pounds.....	15,931,229	3,881,771	.....
Value.....	\$980,804	\$110,653	.....
All other cereal products, value.....	\$808,353	\$414,312	\$618,623
All other products, value.....	\$642,635	\$279,767	\$1,380,330

**Butter, cheese, and condensed milk (Table 25).**—During the five-year period 1914 to 1919, there was an increase of \$35,953,955, or 175.7 per cent, in the total value of products for the industry in the state. Butter was the product of chief value in 1919, as in 1914, forming 64.2 per cent and 81 per cent, respectively, of the total for the industry. Much larger increases are shown for value of the several products than for quantities; in fact for one item, butter packed solid, there was a small decrease in quantity, notwithstanding an increase of more than 100 per cent in value.

TABLE 25.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$56,420,383	\$20,466,428	\$12,760,670
Butter:			
Pounds.....	61,140,390	58,259,665	37,283,450
Value.....	\$36,195,810	\$16,583,329	\$11,644,463
Packed solid—			
Pounds.....	18,551,691	18,773,252	7,764,696
Value.....	\$10,751,455	\$5,239,215	\$2,388,265
Prints or rolls—			
Pounds.....	42,588,690	39,486,413	29,518,754
Value.....	\$25,444,355	\$11,344,114	\$9,256,188

TABLE 25.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
Cream sold:			
Pounds.....	7,473,731	6,122,772	2,674,825
Value.....	\$3,287,750	\$991,888	\$411,473
Cheese: <sup>1</sup>			
Pounds.....	9,708,885	3,745,970	1,567,640
Value.....	\$2,675,028	\$583,501	\$252,582
All other butter, cheese, and condensed milk, factory products, value <sup>2</sup> .....	\$13,637,064	\$2,498,132	\$316,561
All other products, value.....	\$624,731	\$109,578	\$135,601

<sup>1</sup> Includes "full cream," "part cream," and "other kinds" of cheese.

<sup>2</sup> Includes condensed and evaporated milk manufactured, skimmed milk sold, buttermilk sold, and casein and powdered milk manufactured.

**Lumber and timber products (Table 26).**—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. The relative importance of California as a lumber producing state has been increasing. The state ranked ninth in the production of this commodity in 1919, twelfth in 1914, and eighteenth in 1909. The cut reported for 1919, however, decreased 3.4 per cent when compared with the cut for 1914.

The entire output of redwood lumber in the United States for 1919 was reported from California; 48.5 per cent of the white fir; and 96.6 per cent of the sugar pine. The average cut per mill of redwood was 12,-437,636 feet, which is greater than the average cut reported for any other species.

The quantity of lumber sawed in California in 1919 from each of the principal kinds of wood and the per cent each formed of the total were as follows: Western yellow pine 444,150,000 feet, or 35.3 per cent; redwood 410,442,000 feet, or 32.6 per cent; Douglas fir 141,327,-000 feet, or 11.2 per cent; sugar pine 129,155,000 feet, or 10.3 per cent; white fir 108,374,000 feet, or 8.6 per cent; cedar 20,394,000 feet, or 1.6 per cent; and spruce 4,190,000 feet, or three-tenths of 1 per cent. Other species reported were hemlock, oak, and Port Orford cedar. The combined cut from these, however, was only one-tenth of 1 per cent of the total for the state.

TABLE 26.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY. <sup>1</sup>		
	1919	1914	1909
Lumber.....M feet b. m.....	1,259,363	1,303,183	1,143,507
Lath.....thousands.....	53,042	(2)	32,615
Shingles.....thousands.....	191,831	(2)	574,342

<sup>1</sup> The output of custom mills is included in 1919 and 1909, but not in 1914.

<sup>2</sup> Not reported.

**Printing and publishing (Tables 27 and 28).**—Table 27 gives the number of publications and aggregate circulation per issue of all newspapers and periodicals published in California as reported at the censuses of 1919, 1914, and 1909.

The aggregate circulation per issue of all publications increased by 149,938, or 3.7 per cent, during the five years from 1914 to 1919, and 1,210,766, or 40 per cent, during the decade. The greatest actual increase



in circulation from 1914 to 1919 is shown for Sunday newspapers—132,101, or 17 per cent. For the ten years the increase is 291,942, or 47.3 per cent.

The daily newspapers also show considerable growth, their aggregate circulation per issue increasing by 124,451, or 8.7 per cent, for the five-year period and 644,161, or 71.3 per cent, for the decade. Of the 168 dailies 110 with a circulation of 854,360, or 55.2 per cent of the total daily circulation, were issued in the afternoon. Their circulation increased by 65,874, or 8.4 per cent, from 1914 to 1919.

TABLE 27.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	903	975	854	4,236,016	4,086,078	3,025,250
Daily.....	168	178	166	1,546,913	1,422,462	902,752
Sunday.....	46	37	36	908,858	776,757	616,916
Semiweekly <sup>1</sup> .....	33	40	37	36,622	39,209	44,856
Weekly.....	496	529	495	716,862	682,542	730,424
Semi-monthly <sup>2</sup> .....	14	14	7	35,155	21,006	47,000
Monthly.....	132	166	105	876,878	1,122,367	619,900
Quarterly.....	9	6	4	107,528	15,010	60,277
All other classes <sup>3</sup> .....	5	5	4	7,200	6,725	3,125

<sup>1</sup> Includes in 1919, 8; in 1914, 5; and in 1909, 6 triweeklies.

<sup>2</sup> Includes 1 bimonthly publication in 1909.

<sup>3</sup> Includes in 1919, 5 bimonthlies; in 1914, 2 bimonthlies and 3 semiannual; and in 1909, 4 bimonthlies publications.

The gain in the circulation of weeklies is due to the growth of agricultural and religious weeklies; the increase in circulation of quarterlies, to religious publications. Certain monthly publications went out of existence or changed their period of issue, while others reported a smaller circulation than in 1914.

The foreign-language publications numbered 72 in 1919, with a circulation of 355,650, or 8.4 per cent of the circulation of all publications in the state, compared with 5.9 per cent in 1914. Table 28 gives the number and circulation of these, by principal periods of issue, in comparison with publications in the English language, as reported at the censuses of 1919, 1914, and 1909.

The increase in the circulation of foreign-language publications for the five years from 1914 to 1919 is 114,559, or 47.5 per cent; for the ten years it is 221,086, or 164.3 per cent.

The newspapers and periodicals by language were as follows: Armenian, 4 with a circulation of 6,360; Chinese, 4 with a circulation of 76,950; French, 6 with a circulation of 12,299; German, 5 with a circulation of 11,643; Italian, 10 with a circulation of 51,400; Japanese, 12 with a circulation of 68,020; Portuguese, 7 with a circulation of 20,295; Spanish, 10 with a circulation of 87,898; Swedish, 3 with a circulation of 4,900; and Yiddish, 3 with a circulation of 4,500. Of the dailies, 6 were in Japanese, 4 in Chinese, 2 in French, 2 in Italian, and 1 each in German and Spanish. Besides the publications already enumerated, there was 1 weekly each in Croatian, Danish, Greek, Nor-

wegian, and Serbian; 1 monthly publication each in English and Greek, English and Spanish, and English and Spanish and Japanese.

TABLE 28.—PRINTING AND PUBLISHING—CIRCULATION, ENGLISH AND FOREIGN: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	Census year.	TOTAL.		ENGLISH.		FOREIGN LANGUAGE.	
		Num-ber.	Aggre-gate cir-culation per issue.	Num-ber.	Aggre-gate cir-culation per issue.	Num-ber.	Aggre-gate cir-culation per issue.
Total.....	1919	903	4,236,016	831	3,880,366	72	355,650
	1914	975	4,086,078	910	3,844,987	65	241,091
	1909	854	3,025,250	800	2,890,686	54	134,564
Daily.....	1919	168	1,546,913	152	1,395,927	16	150,986
	1914	178	1,422,462	162	1,340,807	16	81,655
	1909	166	902,752	153	854,119	13	48,633
Sunday.....	1919	46	908,858	38	852,726	8	56,132
	1914	37	776,757	31	733,921	6	42,836
	1909	36	616,916	32	592,913	4	24,003
Semiweekly <sup>1</sup> .....	1919	33	36,622	30	31,422	3	5,200
	1914	40	39,209	37	32,769	3	6,560
	1909	37	44,856	35	40,156	2	4,760
Weekly.....	1919	496	716,862	461	667,092	35	48,870
	1914	529	682,542	498	623,242	31	59,300
	1909	495	730,424	465	694,246	30	36,178
Monthly <sup>2</sup> .....	1919	146	912,033	136	817,571	10	94,462
	1914	180	1,143,373	171	1,092,573	9	50,800
	1909	112	680,900	107	645,850	5	21,050
Quarterly.....	1919	9	107,528	9	107,528	.....	.....
	1914	6	15,010	6	15,010	.....	.....
	1909	4	60,277	4	60,277	.....	.....
All other classes <sup>3</sup> .....	1919	5	7,200	5	7,200	.....	.....
	1914	5	6,725	5	6,725	.....	.....
	1909	4	3,125	4	3,125	.....	.....

<sup>1</sup> Includes, in 1919, 8 triweeklies in English; in 1914, 4 triweeklies in English and 1 in Russian; in 1909, 5 triweeklies in English and 1 in Italian.

<sup>2</sup> Includes, in 1919, 13 semi-monthlies in English and 1 in Yiddish; in 1914, 12 in English and 1 each in Hungarian and Swedish; in 1909, 6 semi-monthlies in English and 1 bimonthly in Armenian.

<sup>3</sup> Includes, in 1919, 5 bimonthlies; in 1914, 2 bimonthlies and 3 semiannual publications; in 1909, 4 bimonthlies, all in English.

**Beet sugar (Table 29).**—The total value of all products for the industry increased \$10,825,428, or 69.7 per cent. The total quantity of beets treated decreased 407,281 tons, or 35.8 per cent, during this five-year period. Similarly the number of tons of sugar produced decreased 51,237 tons, or 29 per cent, and the number of gallons of molasses, 1,720,993, or 37.3 per cent. Notwithstanding these decreases in quantity, there was an increase in values—for sugar, \$10,151,953, or 70.8 per cent, and for molasses, \$120,834, or 46.4 per cent.

TABLE 29.—BEET SUGAR: 1919 AND 1914.

	1919	1914
Beets treated, tons.....	730,933	1,138,264
Products, total value.....	\$26,354,094	\$15,528,666
Sugar:		
Tons.....	125,194	176,431
Value.....	\$24,495,983	\$14,344,035
Molasses:		
Gallons.....	2,897,249	4,618,242
Value.....	\$381,161	\$206,327
Pulp:		
Dried, value.....	\$1,142,347	\$418,836
Moist, value.....	\$137,531	\$121,939
All other products, value.....	\$117,067	\$383,529



Leather, tanned, curried, and finished (Table 30).—This table shows the quantity and value of the chief products for 1919, 1914, and 1909.

TABLE 30.—LEATHER, TANNED, CURRIED, AND FINISHED: 1919, 1914, AND 1909.

PRODUCT.	1919	1914	1909
Total value.....	\$21,416,302	\$10,020,739	\$9,366,545
Leather:			
Sole—			
Sides.....	683,420	402,780	472,236
Value.....	\$8,702,496	\$3,248,183	\$3,100,226
Cattle side upper (other than patent)—			
Sides.....	408,230	290,866	24,268
Value.....	\$3,027,052	\$1,405,381	\$83,776
Harness—			
Sides.....	253,268	269,728	383,264
Value.....	\$3,473,741	\$2,128,674	\$2,571,122
Skirting and collar—			
Sides.....	138,050	133,654	( <sup>2</sup> )
Value.....	\$2,127,956	\$921,902	( <sup>2</sup> )
All other, value.....	\$2,635,387	\$1,284,097	\$2,482,199
All other products, including amount received for "tanning, currying, and finishing for others," value.....	\$1,449,670	\$1,032,502	\$1,129,222

<sup>1</sup> Skirting leather only; collar leather included in "all other."

<sup>2</sup> Figures not available.

The total value of products in 1919, as compared with 1914, shows an increase of \$11,395,563, or 113.7 per cent. Sole leather is the leading product of the leather industry in the state. In 1919 it formed 40.6 per cent of the total value of products for the industry and increased by \$5,454,313, or 167.9 per cent, as compared with 1914. The increase in quantity for the same period amounted to 280,640 sides, or 69.7 per cent. Cattle side upper, harness, collar, and skirting leather were other important leathers manufactured. Included in "all other" are varying quantities of belting, case, bag, and strap, fancy, finished splits, glove, horse, lace, latigo, rough, and upholstery leather.

Rice, cleaning and polishing (Table 31).—This table shows the quantity of rough rice treated and the quantity and value of products, by kinds, for the year 1919. The statistics cover the operations of all establishments engaged primarily in the milling of rice. The industry has had a remarkable growth since the census of 1914. The statistics, however, for that year can not be shown, since there were but two establishments, and to do so would disclose the operations of individual establishments. Among the rice-growing

states California ranked second, being exceeded only by Louisiana in the value of this product in 1919.

TABLE 31.—RICE, CLEANING AND POLISHING: 1919.

	Quantity (pounds).	Value.
Rough rice treated.....	314,477,775	.....
PRODUCTS.		
Total value.....		\$20,264,263
Clean rice.....	219,945,498	19,345,892
Polish.....	7,023,586	165,442
Bran.....	21,070,037	357,647
All other.....		395,282

Power laundries.—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 32, however, summarizes the statistics for such laundries in the state of California for 1919 and 1914.

TABLE 32.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, 1914-1919.
	1919	1914	
Number of establishments.....	586	532	10.2
Persons engaged.....	13,223	12,077	9.5
Proprietors and firm members.....	633	624	1.4
Salaried employees.....	1,326	1,037	27.9
Wage earners (average number).....	11,264	10,416	8.1
Primary horsepower.....	15,537	13,503	15.1
Capital.....	\$18,373,479	\$9,618,271	91.0
Salaries and wages.....	11,422,446	7,297,235	56.5
Salaries.....	2,120,534	1,084,550	96.5
Wages.....	9,301,912	6,212,685	49.7
Paid for contract work.....	152,818	38,485	297.1
Rent and taxes.....	527,724	355,842	48.3
Cost of materials.....	4,582,006	2,262,195	102.6
Amount received for work done.....	22,912,606	13,048,738	64.3

Dyeing and cleaning (Table 33).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.



TABLE 33.—DYING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	160
Persons engaged.....	2,123
Proprietors and firm members.....	205
Salaried employees.....	231
Wage earners (average number).....	1,687
Primary horsepower.....	1,697
Capital.....	\$2,025,673
Salaries and wages.....	1,955,453
Salaries.....	336,454
Wages.....	1,618,999
Paid for contract work.....	29,348
Rent and taxes.....	103,336
Cost of materials.....	799,908
Amount received for work done.....	4,382,289

Custom gristmills.—Statistics for custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Table 34, however, summarizes the statistics for such mills for

1919 and 1909. The value of products for custom gristmills represents the selling value of the grain milled.

TABLE 34.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1909-1919.
	1919	1909	
Number of establishments.....	7	12	.....
Persons engaged.....	13	28	.....
Proprietors and firm members.....	5	9	.....
Salaried employees.....	1	4	.....
Wage earners (average number).....	7	15	.....
Primary horsepower.....	122	518	-76.4
Capital.....	\$70,160	\$65,411	7.2
Salaries and wages.....	7,335	11,663	-35.4
Salaries.....	200	1,570	-87.3
Wages.....	7,335	10,093	-27.3
Rent and taxes.....	1,149	2,373	-51.6
Cost of materials <sup>2</sup> .....	149,914	503,569	-70.2
Value of products <sup>2</sup> .....	181,612	572,597	-68.3

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

<sup>2</sup> Includes estimate of all grain ground.

## GENERAL TABLES.

Table 35 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for selected industries in the state and in the cities of Berkeley, Los Angeles, Oakland, Sacramento, and San Francisco; and for Long Beach and San Diego and each of the cities in the state having from 10,000 to 50,000 inhabitants, for which comparative figures are available, similar data for all industries combined.

Table 36 presents, for 1919, for the state as a whole and for Berkeley, Long Beach, Los Angeles, Oakland, Sacramento, San Diego, and San Francisco, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants.



TABLE 35.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	11,912	243,692	766,016	305,207	1,218,830	1,981,205	Coffee and spice, roasting and grinding.	1919	70	793	2,408	704	19,881	26,311
	1914	10,057	139,481	491,025	105,613	447,475	712,801		1914	43	461	1,332	309	7,459	9,584
	1909	7,659	115,296	329,100	84,142	325,238	529,761		1909	44	352	1,123	245	4,617	6,492
Agricultural implements.....	1919	34	1,578	4,668	1,966	3,717	9,490	Coffins, burial cases, and undertakers' goods.	1919	14	243	425	202	769	1,513
	1914	28	704	1,533	566	800	1,962		1914	10	149	248	111	339	616
	1909	25	622	1,166	451	1,441	2,670		1909	7	102	221	67	241	437
Artificial stone products.....	1919	114	608	842	716	855	2,251	Confectionery and ice cream.	1919	302	4,214	5,895	3,351	14,397	25,036
	1914	94	466	355	366	471	1,187		1914	183	2,104	2,220	1,112	4,354	7,645
	1909	66	320	247	239	220	643	Cooperage and wooden goods, not elsewhere specified.	1919	31	461	870	621	2,754	4,372
Automobiles, including bod- ies and parts.	1919	265	3,008	3,313	4,065	30,318	44,362		1914	36	352	1,300	277	1,674	2,338
	1914	98	731	1,457	690	1,234	2,459		1909	38	416	1,192	323	1,570	2,167
	1909	41	478	305	305	700	1,470	Copper, tin, and sheet-iron work.	1919	322	1,462	1,186	1,953	3,240	7,160
Awnings, tents, and sails.....	1919	47	327	216	379	1,750	2,866		1914	351	1,246	904	1,221	2,195	4,595
	1914	50	244	182	169	710	1,124		1909	224	1,398	784	1,346	2,232	4,672
	1909	27	134	83	89	315	595	Cordials and flavoring sirups.	1919	9	27	34	25	951	1,202
Babbitt metal and solder.....	1919	7	111	251	147	2,789	3,349		1914	8	22	52	16	247	471
	1914	5	33	85	28	453	641		1909	7	14	12	12	64	179
	1909	5	52	91	40	847	1,120	Dairymen's, poultrymen's, and apiarists' supplies.	1919	20	97	372	102	436	666
Baskets, and rattan and wil- low ware.	1919	10	125	291	113	347	571		1914	10	62	142	43	128	252
	1914	16	173	237	85	297	452		1909	11	63	76	45	257	415
	1909	14	219	101	95	180	357	Electrical machinery, apparatus, and supplies.	1919	73	2,008	3,864	1,894	5,030	11,368
Belting, leather.....	1919	7	89	261	82	739	1,082		1914	29	780	1,116	472	1,566	2,862
	1914	6	26	47	24	170	237		1909	27	435	442	240	928	1,613
	1909	5	33	37	26	182	291	Fancy articles, not elsewhere specified.	1919	26	240	131	170	280	702
Boots and shoes.....	1919	14	616	381	512	1,939	3,247		1914	28	226	54	80	120	372
	1914	16	617	475	396	1,233	1,931		1909	9	22	39	12	9	43
	1909	18	695	369	402	1,120	1,924	Fertilizers.....	1919	17	284	2,423	317	2,532	3,610
Boxes, paper and other, not elsewhere specified.	1919	31	1,253	1,315	1,011	2,671	4,988		1914	16	196	1,586	158	1,860	2,331
	1914	23	753	484	371	707	1,451		1909	15	228	1,579	155	1,796	2,313
	1909	19	624	405	271	442	965	Flavoring extracts.....	1919	20	138	77	90	940	1,437
Brass, bronze, and copper products.	1919	45	492	840	754	1,818	3,316		1914	23	69	117	37	217	439
	1914	36	247	430	230	487	951		1909	17	48	44	30	181	315
	1909	29	195	261	181	295	679	Flour-mill and gristmill products.	1919	134	1,779	16,866	2,229	56,883	65,448
Bread and other bakery prod- ucts.	1919	1,095	5,394	6,090	6,915	31,300	48,957		1914	132	1,667	13,374	8,827	19,504	24,679
	1914	1,117	4,851	3,585	3,859	12,236	21,555		1909	125	948	11,545	732	21,892	25,188
	1909	864	4,018	2,517	3,075	10,377	17,710	Food preparations, not else- where specified.	1919	172	1,049	6,002	1,076	12,253	16,633
Brick, tile, pottery, and other clay products.	1919	70	2,043	12,104	2,223	2,083	6,061		1914	181	1,938	3,622	549	6,058	8,011
	1914	85	2,571	13,186	1,899	1,473	4,751		1909	129	716	1,959	406	3,970	5,568
	1909	104	2,730	11,628	1,787	1,457	4,553	Foundry and machine-shop products. <sup>1</sup>	1919	2,430	19,853	48,804	27,489	43,061	100,278
Brooms.....	1919	23	151	102	167	459	768		1914	1,097	9,747	23,020	8,827	14,282	31,732
	1914	19	131	75	72	174	296		1909	543	8,377	17,253	7,312	12,901	26,721
	1909	16	155	52	84	231	388	Fur goods.....	1919	33	325	69	412	1,372	2,515
Butter, cheese, and condensed milk.	1919	180	2,022	7,186	2,382	49,671	56,420		1914	19	126	23	94	200	509
	1914	201	1,044	4,694	895	17,974	20,466		1909	8	84	12	75	117	302
	1909	161	597	2,406	466	11,140	12,761	Furnishing goods, men's.....	1919	8	263	24	205	1,298	2,205
Canning and preserving.....	1919	444	24,283	28,930	22,090	146,380	219,279		1914	10	233	68	117	441	850
	1914	289	12,756	10,592	5,486	45,694	61,163		1909	11	134	16	67	457	721
	1909	196	7,757	7,453	3,454	24,009	32,915	Furniture and refrigerators...	1919	134	2,957	6,097	3,711	6,609	14,141
Cars and general shop con- struction and repairs by electric-railroad companies.	1919	22	1,731	4,307	2,067	1,804	4,058		1914	162	1,620	3,557	1,466	4,563	4,563
	1914	27	2,086	3,981	1,009	1,522	3,284		1909	129	1,553	2,333	1,507	1,858	4,496
	1909	21	1,902	2,055	1,676	1,152	3,009	Gas and electric fixtures and lamps and reflectors.	1919	31	360	468	406	1,121	2,210
Cars and general shop con- struction and repairs by steam-railroad companies.	1919	60	16,213	15,593	24,070	15,761	41,927		1914	56	463	1,006	363	713	1,554
	1914	39	11,563	15,232	9,616	7,005	17,200		1909	41	553	1,540	446	750	1,715
	1909	42	9,342	7,877	8,394	9,549	13,719	Gas, illuminating and heating.	1919	57	2,444	24,545	2,754	8,000	20,441
Cement.....	1919	8	1,315	40,544	1,884	4,114	11,258		1914	63	2,317	22,054	2,023	3,422	13,578
	1914	7	2,429	46,550	1,759	3,381	7,099		1909	74	1,665	7,502	1,408	2,604	8,927
	1909	8	2,407	28,892	1,659	2,182	6,504	Glass, cutting, staining, and ornamenting.	1919	37	134	132	207	713	1,313
Chemicals.....	1919	49	1,436	15,989	1,974	6,131	10,539		1914	33	117	143	130	252	551
	1914	20	257	1,521	184	933	1,524		1909	28	200	103	174	204	560
	1909	13	214	1,308	108	792	1,306	Gloves and mittens, leather...	1919	27	665	138	551	855	2,049
Cleansing and polishing prep- arations.	1919	35	40	69	42	428	701		1914	24	422	58	203	458	951
	1914	16	26	28	16	95	232		1909	23	570	58	267	558	1,231
Clothing, men's, including shirts.	1919	89	2,941	846	2,211	8,709	13,578	Grease and tallow, not includ- ing lubricating greases.	1919	19	163	894	202	1,692	2,427
	1914	95	2,468	596	1,244	2,954	5,664		1914	9	66	338	59	319	438
	1909	74	2,335	549	1,050	2,895	5,121		1909	7	47	133	40	254	364
Clothing, women's.....	1919	165	3,124	629	2,638	8,529	14,246	Hand stamps.....	1919	20	105	97	126	169	543
	1914	88	1,069	222	611	1,381	3,733		1914	20	102	85	75	85	335
	1909	64	791	137	359	876	1,672		1909	14	83	72	73	70	272

<sup>1</sup> Includes "sand-lime brick."<sup>2</sup> Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; and "pickles, preserves, and sauces" in all years; and "canning and preserving, oysters," in 1914 and 1909.<sup>3</sup> Includes "chewing gum."<sup>4</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, tempering and welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "steel barrels, drums, and tanks"; and "structural ironwork, not made in steel works or rolling mills," in all years; "iron and steel, cast-iron pipe," in 1919; and "hardware, saddlery," in 1914 and 1909.



TABLE 35.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thou- sands of dollars.								Expressed in thou- sands of dollars.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
Hats and caps, other than felt, straw, and wool.	1919 1914 1909	30 15 8	222 97 43	49 69 7	238 64 25	618 117 46	1,174 274 103	Paper goods, not elsewhere specified. <sup>3</sup>	1919 1914 1909	8 9 8	490 206 101	418 154 86	420 109 58	1,230 267 101	2,262 554 224
Hats, fur-felt.....	1919 1914	6 6	69 58	21 16	83 39	398 92	558 157	Patent medicines and com- pounds and druggists' pre- parations. <sup>4</sup>	1919 1914 1909	137 126 89	577 323 310	723 598 347	507 180 148	1,946 1,187 639	4,151 2,496 1,549
Ice, manufactured.....	1919 1914 1909	117 95 77	1,535 1,139 666	32,113 20,411 9,971	1,955 982 572	2,202 3,587 2,331	7,112 3,587 2,331	Paving materials.....	1919 1914	23 41	445 1,167	11,497 12,868	583 956	739 2,501	1,841 4,513
Iron and steel, steel works and rolling mills.	1919 1914 1909	8 7 5	3,476 1,244 1,038	22,838 6,833 3,945	6,359 1,059 820	9,509 2,673 2,348	18,192 4,214 3,520	Petroleum, refining.....	1919 1914 1909	45 38 29	5,132 1,930 930	60,307 22,309 5,630	8,179 1,716 801	141,877 38,170 13,898	213,292 55,528 17,878
Iron and steel, forgings, not made in steel works or roll- ing mills.	1919 1914 1909	7 4 3	224 35 36	375 379 35	335 34 36	836 54 69	1,511 121 136	Photo-engraving.....	1919 1914 1909	26 28 20	159 201 190	164 236 119	248 230 196	185 79 63	809 575 445
Iron and steel, wrought pipe..	1919 1914 1909	16 7 4	687 343 160	1,360 958 386	936 266 150	2,013 818 532	5,024 1,477 856	Printing and publishing.....	1919 1914 1909	1,504 1,543 1,210	10,047 8,759 7,556	14,695 14,053 7,074	12,059 7,772 6,432	20,340 9,709 6,327	61,815 34,775 25,032
Jewelry.....	1919 1914 1909	88 98 58	650 627 574	648 575 324	952 553 477	856 501 664	2,555 1,519 1,557	Roofing materials.....	1919 1914 1909	9 9 5	596 306 161	5,500 1,115 1,138	641 223 117	2,709 1,450 1,064	4,568 2,378 1,833
Knit goods.....	1919 1914 1909	21 16 6	605 405 208	267 146 44	496 197 112	1,517 424 200	2,878 902 452	Rubber tires, tubes, and rub- ber goods, not elsewhere specified.	1919 1914 1909	20 11 5	513 226 74	1,770 1,180 209	520 172 61	1,998 479 169	4,941 905 323
Leather goods <sup>1</sup> .....	1919 1914 1909	102 157 88	627 613 710	432 395 321	666 424 458	1,911 1,448 1,101	3,425 2,777 2,244	Salt.....	1919 1914 1909	21 22 19	446 317 402	2,070 2,079 1,228	537 292 212	1,081 397 242	2,286 1,215 746
Leather, tanned, curried, and finished.	1919 1914 1909	21 29 40	1,453 1,361 1,398	5,714 3,676 3,534	1,897 1,007 988	16,472 7,858 7,039	21,416 10,021 9,367	Shipbuilding, including boat building.	1919 1914 1909	67 52 43	47,530 3,457 1,844	64,631 4,097 3,129	66,882 3,195 1,592	76,629 3,487 1,237	185,882 8,104 4,132
Lime.....	1919 1914 1909	8 7 15	159 213 410	345 220 558	170 130 234	281 116 212	504 316 609	Signs and advertising novel- ties.	1919 1914 1909	32 41 8	239 166 47	85 79 21	312 147 46	362 166 32	1,070 442 119
Liquors, distilled.....	1919 1914 1909	3 13 33	234 112 193	5,969 698 1,360	329 99 123	2,443 959 835	3,968 3,050 5,353	Slaughtering and meat pack- ing. <sup>6</sup>	1919 1914 1909	130 108 94	3,679 2,220 1,641	13,810 7,189 3,867	4,388 1,811 1,307	78,763 41,301 28,448	94,460 50,012 34,280
Liquors, malt.....	1919 1914 1909	20 69 83	935 1,512 1,296	8,452 9,781 8,807	1,544 1,773 1,391	3,225 3,780 2,559	11,419 12,460 9,319	Soap.....	1919 1914 1909	27 25 21	608 214 166	1,520 721 477	610 191 115	8,312 2,018 1,117	11,295 2,968 1,576
Liquors, vinous.....	1919 1914 1909	287 202 181	600 1,002 1,287	4,310 7,873 5,314	576 817 682	3,915 6,829 4,074	9,142 11,300 8,937	Springs, steel, car and car- riage, not made in steel works or rolling mills.	1919 1914	10 11	151 80	262 131	230 71	404 93	922 281
Looking-glass and picture frames.	1919 1914 1909	33 27 16	182 155 110	122 51 57	205 129 95	245 172 196	707 474 419	Stamped and enameled ware, not elsewhere specified.	1919 1914	8 5	251 139	666 415	315 101	741 130	1,379 305
Steam packing.....	1919 1914	8 6	171 19	1,385 63	198 15	461 57	916 89								
Lumber and timber prod- ucts. <sup>2</sup>	1919 1914 1909	577 632 644	24,889 22,438 22,935	109,757 105,981 94,914	32,497 17,164 15,651	44,622 25,622 18,369	99,299 52,800 45,000	Stoves and hot-air furnaces, including gas and oil stoves.	1919 1914 1909	42 27 17	470 334 215	600 228 152	680 300 174	1,180 344 206	2,825 863 514
Marble and stone work.....	1919 1914 1909	128 143 128	530 1,294 1,415	3,876 4,131 3,532	722 1,231 1,241	1,061 1,509 1,183	2,830 3,653 3,380	Sugar, beet.....	1919 1914	10 12	1,512 2,000	27,155 22,868	2,246 1,675	14,151 10,065	26,354 15,529
Mattresses and spring beds, not elsewhere specified.	1919 1914 1909	49 49 35	609 654 528	1,170 1,479 727	665 490 361	2,486 1,419 1,243	4,157 2,448 2,164	Tobacco, cigars and ciga- rettes.	1919 1914 1909	214 363 332	1,677 1,507 1,465	398 70 71	1,470 925 857	4,798 1,372 1,217	10,767 3,088 3,590
Millinery and lace goods, not elsewhere specified.	1919 1914 1909	67 42 23	1,041 405 193	188 142 110	764 230 90	2,117 544 218	3,902 1,128 413	Vinegar and cider.....	1919 1914 1909	12 13 14	97 50 50	279 189 232	95 31 29	292 138 102	662 288 207
Mineral and soda waters.....	1919 1914 1909	195 176 154	468 363 349	1,617 847 640	517 231 274	1,713 1,301 504	3,518 1,801 1,422	Wall plaster and composition flooring.	1919 1914	13 8	210 88	690 1,386	219 66	594 130	1,257 230
Minerals and earths, ground or otherwise treated.	1919 1914	13 9	232 179	2,562 913	286 152	199 214	607 459	Window shades and fixtures..	1919 1914 1909	35 27 16	95 72 66	150 59 73	111 55 50	617 393 285	1,068 594 486
Models and patterns, not in- cluding paper patterns.	1919 1914 1909	45 40 26	148 102 93	333 359 193	225 74 78	116 50 52	525 231 195	Wirework, including wire rope and cable, not else- where specified.	1919 1914 1909	26 20 20	320 200 231	1,828 1,247 951	409 146 137	2,997 906 987	4,860 1,361 1,518
Optical goods.....	1919 1914 1909	26 16 6	127 75 32	85 43 14	140 69 24	180 192 60	550 448 138	All other industries.....	1919 1914 1909	702 689 665	18,945 11,863 11,937	81,525 46,873 52,146	22,485 9,052 8,335	242,283 103,603 95,873	307,627 127,681 129,803
Paints and varnishes.....	1919 1914 1909	46 38 35	737 392 396	3,734 1,587 1,387	931 310 275	7,682 2,873 2,652	11,846 4,082 3,758								

<sup>1</sup> Includes "saddlery and harness" and "trunks and valises" in all years; and "pocketbooks" in 1919 and 1909.<sup>2</sup> Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."<sup>3</sup> Includes "cardboard, not made in paper mills," and "envelopes."<sup>4</sup> Includes "perfumery and cosmetics."<sup>5</sup> Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."<sup>6</sup> Includes "sausage, not made in slaughtering and meat-packing establishments."



TABLE 35.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
BERKELEY..... All industries.	1919 1914 1909	113 95 84	2,319 1,328 1,084	7,506 3,503 2,433	2,694 1,054 840	19,492 4,769 2,687	28,331 7,321 4,435	LOS ANGELES—Con. Electrical machinery, apparatus, and supplies.	1919 1914 1909	29 16 12	268 92 79	892 114 104	282 73 52	1,109 120 97	1,981 306 211
Bread and other bakery prod- ucts.	1919 1914	23 16	132 86	141 151	203 78	830 292	1,213 473	Electroplating.....	1919 1914	10 9	80 33	147 103	100 25	26 11	204 66
Foundry and machine-shop products. <sup>1</sup>	1919 1914	14 11	463 307	2,910 563	681 289	1,657 573	3,288 1,102	Fancy articles, not elsewhere specified.	1919 1914 1909	14 19 9	116 146 23	55 31 50	100 55 14	115 95 9	327 247 43
Printing and publishing.....	1919 1914	20 18	83 70	83 61	132 79	123 80	472 256	Flour-mill and gristmill prod- ucts.	1919 1914 1909	9 8 7	352 168 135	2,910 2,194 1,260	444 135 95	11,949 4,257 4,830	13,792 5,176 5,347
All other industries.....	1919 1914	56 50	1,641 865	4,372 2,728	1,678 608	16,882 3,824	23,358 5,490	Food preparations, not else- where specified.	1919 1914 1909	35 38 22	300 150 131	1,005 417 236	227 78 63	1,012 495 376	2,255 826 580
LONG BEACH..... All industries. <sup>3</sup>	1919 1914 1909	128 94 51	3,769 885 277	5,140 2,990 1,450	4,683 606 207	6,074 1,546 498	14,383 2,945 927	Foundry and machine-shop products. <sup>6</sup>	1919 1914 1909	474 214 113	4,961 2,830 2,422	13,349 6,972 3,852	6,432 2,399 1,897	10,916 4,722 3,755	24,695 9,712 7,777
LOS ANGELES..... All industries.	1919 1914 1909	2,540 1,911 1,325	47,118 23,744 17,327	97,282 64,665 33,166	55,111 18,277 12,588	159,819 58,941 38,913	278,184 103,458 68,586	Furniture and refrigerators...	1919 1914 1909	73 44 42	1,453 469 380	2,431 664 584	1,554 395 310	2,678 424 354	5,897 1,096 941
Artificial stone products.....	1919 1914 1909	15 16 8	88 117 80	178 48 15	126 93 66	132 123 31	357 323 147	Glass, cutting, staining, and ornamenting.	1919 1914 1909	14 10 9	54 60 83	60 66 63	79 58 68	355 111 86	629 221 234
Automobiles, including bod- ies and parts.	1919 1914	108 45	1,341 378	1,267 367	1,740 307	3,357 626	7,272 1,275	Gloves and mittens, leather...	1919 1914 1909	3 3 3	61 12 12	9 5 5	53 7 7	94 11 25	218 25 25
Awnings, tents, and sails.....	1919 1914 1909	13 12 6	113 88 29	65 55 25	108 54 19	570 263 165	831 397 258	Hand stamps.....	1919 1914 1909	6 4 3	37 40 22	46 43 18	51 22 17	80 34 22	249 133 92
Boxes, set-up paper boxes and shipping containers.	1919 1914	7 6	443 253	402 189	361 127	1,024 251	1,763 478	Ice, manufactured.....	1919 1914 1909	12 10 6	477 433 272	7,202 5,241 2,206	546 364 224	576 238 142	1,772 982 705
Brass, bronze, and copper products.	1919 1914 1909	17 13 8	202 86 55	239 157 99	282 70 46	886 162 60	1,452 335 192	Jewelry.....	1919 1914 1909	33 30 16	206 150 72	97 71 37	277 127 55	271 109 102	877 369 246
Bread and other bakery prod- ucts.	1919 1914 1909	170 177 169	1,179 1,079 1,106	1,162 721 901	1,325 848 702	6,937 2,729 2,870	10,492 4,815 4,670	Leather goods <sup>8</sup> .....	1919 1914 1909	30 36 32	202 212 215	105 52 70	200 129 117	740 715 402	1,256 1,104 757
Brooms, from broom corn....	1919 1914 1909	3 5 4	29 41 47	26 33 16	41 25 25	93 55 79	162 89 136	Liquors, malt.....	1919 1914 1909	3 3 4	245 329 242	1,570 1,806 1,682	373 304 258	400 612 362	1,958 3,027 1,457
Canning and preserving <sup>4</sup> .....	1919 1914 1909	63 34 21	2,365 883 409	3,810 864 471	1,721 380 175	8,580 1,878 771	13,064 3,030 1,255	Looking-glass and picture frames.	1919 1914 1909	13 6 6	55 18 35	24 9 14	57 15 28	81 22 95	238 54 170
Cars and general shop con- struction and repairs by steam-railroad companies.	1919 1914 1909	4 4 4	4,145 2,656 1,887	2,869 2,425 1,083	6,112 2,537 1,632	3,849 1,537 1,601	10,514 3,942 3,362	Lumber and timber products <sup>9</sup>	1919 1914 1909	58 63 61	1,460 1,080 1,558	8,897 9,272 6,207	1,683 1,309 1,108	6,964 6,159 3,529	10,612 9,269 5,684
Cleansing and polishing prepa- rations.	1919 1914	17 8	21 6	47 11	19 3	289 74	450 148	Marble and stone work.....	1919 1914 1909	18 16 14	94 228 75	543 1,047 258	140 210 72	201 232 116	455 570 257
Clothing, men's, including shirts.	1919 1914 1909	29 38 15	1,017 725 452	200 156 99	778 386 186	2,310 657 486	3,610 1,359 822	Mattresses and spring beds, not elsewhere specified.	1919 1914 1909	14 13 11	231 269 168	398 384 187	247 195 115	936 561 495	1,463 917 787
Clothing, women's.....	1919 1914 1909	80 27 12	1,938 331 161	384 82 42	1,633 204 72	5,105 442 154	8,386 928 321	Millinery and lace goods, not elsewhere specified.	1919 1914 1909	31 13 13	429 109 109	60 21 21	317 50 50	659 97 97	1,339 217 217
Coffee, roasting and grinding..	1919 1914 1909	26 10 11	128 93 90	442 277 241	109 62 67	2,732 1,345 802	3,578 1,811 1,150	Mineral and carbonated waters	1919 1914 1909	18 16 6	57 37 19	133 123 39	65 29 15	151 68 40	309 167 87
Confectionery and ice cream..	1919 1914	58 53	1,635 697	1,739 928	1,260 403	5,726 1,562	9,799 2,727	Models and patterns, not in- cluding paper patterns.	1919 1914 1909	18 16 6	69 44 13	135 58 33	107 30 7	61 21 6	239 95 28
Copper, tin, and sheet-iron products. <sup>5</sup>	1919 1914 1909	70 69 53	646 408 352	616 342 147	701 313 250	2,896 876 611	4,393 1,551 1,124	Optical goods.....	1919 1914	8 4	72 31	42 17	74 27	85 54	298 138
Dairymen's, poultrymen's, and apiarists' supplies.	1919 1914	7 3	50 13	239 64	41 8	204 24	305 50	Patent medicines and com- pounds and druggists' prepa- rations. <sup>10</sup>	1919 1914 1909	57 45 35	112 69 91	80 203 62	81 33 43	325 112 140	725 337 337

<sup>1</sup> Includes "automobile repairing" and "pumps, steam," in both years; and "engines, steam, gas, and water," and "structural ironwork, not made in steel works or rolling mills," in 1919.

<sup>2</sup> Includes "bookbinding and blank-book making."

<sup>3</sup> Comparative statistics by industries for 1914 and 1909 not available.

<sup>4</sup> Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; and "pickles, preserves, and sauces."

<sup>5</sup> Includes "tinware, not elsewhere specified," in all years; and "stamped and enameled ware, not elsewhere specified," in 1919.

<sup>6</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "gas and water meters"; "hardware"; "iron and steel, tempering and welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "pumps, steam, and other power"; "steam fittings and steam and hot-water heating apparatus"; and "structural ironwork, not made in steel works or rolling mills."

<sup>7</sup> Excludes statistics for 3 establishments manufacturing "refrigerators," to avoid disclosure of individual operations.

<sup>8</sup> Includes "pocketbooks"; "saddlery and harness"; and "trunks and valises."

<sup>9</sup> Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills", in all years; and "window and door screens" in 1919 and 1914.

<sup>10</sup> Includes "perfumery and cosmetics."



TABLE 35.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
LOS ANGELES—Con.								OAKLAND—Con.							
Petroleum, refining.....	1919	8	155	216	211	3,959	5,014	Food preparations, not else- where specified.	1919	9	84	384	86	499	979
	1914	7	60	329	58	891	1,146		1914	8	32	65	18	75	140
	1909	10	100	430	82	1,135	1,406		1909	6	28	41	19	133	214
Photo-engraving.....	1919	8	60	56	99	51	292	Foundry and machine-shop products. <sup>5</sup>	1919	119	1,493	3,105	2,097	3,452	6,925
	1914	11	102	139	109	34	281		1914	72	775	1,741	701	1,284	2,538
	1909	7	71	63	70	22	165		1909	44	747	993	681	666	1,824
Printing and publishing <sup>1</sup> .....	1919	339	2,936	4,275	3,209	6,921	17,333	Furniture.....	1919	12	119	84	150	245	534
	1914	299	2,187	3,376	1,979	2,851	9,617		1914	9	120	111	98	112	341
	1909	234	1,537	1,220	1,188	1,619	5,192	Gloves and mittens, leather...	1919	6	70	12	74	136	201
Shipbuilding, wooden, new vessels.	1919	5	233	592	357	229	718		1914	5	65	13	33	84	170
	1911	6	48	182	44	109	182	Lumber and timber products <sup>6</sup>	1919	21	1,445	5,337	1,863	6,640	9,790
	1909	5	33	43	27	41	101		1914	27	832	3,859	768	2,014	3,197
Show cases.....	1919	4	68	94	83	142	270		1909	31	808	3,421	702	1,198	2,183
	1914	3	12	41	8	19	37	Mattresses and spring beds, not elsewhere specified.	1919	6	32	86	40	119	211
Signs and advertising novel- ties.	1919	15	140	65	164	197	538		1914	5	26	42	17	43	85
	1914	15	70	32	59	80	194	Mineral and soda waters.....	1919	5	27	41	31	126	240
Slaughtering and meat pack- ing. <sup>2</sup>	1919	8	1,374	2,518	1,400	21,694	25,125		1914	3	26	13	28	56	133
	1914	6	810	2,741	596	12,530	14,018	Patent medicines and com- pounds.	1919	5	17	8	15	91	200
	1909	6	507	747	324	5,946	7,464		1914	10	16	32	10	45	160
Statuary and art goods.....	1919	15	43	3	62	39	147	Printing and publishing <sup>7</sup> .....	1919	70	356	608	479	751	3,192
	1914	8	32	1	30	15	74		1914	90	272	434	249	357	1,478
	1909	5	14	.....	15	5	32		1909	70	331	540	357	255	1,292
Stoves, gas and oil.....	1919	18	50	41	61	148	329	Window shades and fixtures..	1919	6	15	9	17	85	181
	1914	6	19	12	16	21	64		1914	3	7	.....	4	29	40
Tobacco, cigars and cigarettes.	1919	36	301	25	263	573	1,142		1909	4	16	1	13	49	77
	1914	38	192	.....	125	144	397	All other industries.....	1919	213	17,928	38,315	24,509	41,351	95,518
	1909	33	176	.....	91	134	344		1914	213	4,116	11,199	3,138	6,873	13,891
Tools, not elsewhere specified.	1919	10	62	159	81	82	244		1909	194	4,030	8,191	2,968	7,172	13,031
	1914	4	10	19	8	11	31	SACRAMENTO.....	1919	304	6,341	16,013	8,336	17,811	34,199
	1909	7	10	14	8	8	27	All industries.	1914	236	5,334	13,999	4,163	9,059	16,383
Wirework, including wire rope and cable, not else- where specified.	1919	9	45	227	51	393	624		1909	212	4,521	8,567	3,924	6,902	14,006
	1914	6	32	163	24	117	174	Bread and other bakery prod- ucts.	1919	85	153	137	213	926	1,426
	1909	5	14	120	10	31	55		1914	31	134	81	118	343	587
All other industries.....	1919	387	14,359	32,355	18,682	39,675	75,973	Canning and preserving <sup>8</sup> .....	1919	9	1,296	915	1,262	3,165	8,077
	1914	337	4,238	19,795	3,117	9,894	17,986		1914	7	552	452	329	1,314	2,616
	1909	290	3,768	8,977	2,760	7,151	13,905		1909	7	235	190	116	527	960
OAKLAND.....	1919	593	23,347	50,040	31,579	63,977	134,755	Coffee, roasting and grinding..	1919	7	12	30	10	286	347
All industries.	1914	573	7,706	18,950	5,966	14,999	28,522		1914	4	10	47	8	109	161
	1909	441	6,905	13,683	5,317	11,847	22,343		1909	5	11	37	7	66	103
Automobile bodies and parts..	1919	11	65	39	93	125	290	Copper, tin, and sheet-iron work.	1919	10	55	26	90	138	323
	1914	8	33	198	29	53	126		1914	9	30	8	35	56	133
Brass, bronze, and copper products.	1919	6	80	167	126	354	630		1909	5	42	52	40	62	178
	1914	6	37	64	33	109	183	Food preparations, not else- where specified.	1919	8	21	93	12	92	117
Bread and other bakery prod- ucts.	1919	68	337	420	455	1,868	2,775		1914	5	7	19	4	23	37
	1914	69	348	336	274	828	1,494	Foundry and machine-shop products. <sup>9</sup>	1919	83	300	651	466	337	1,184
	1909	57	312	203	254	835	1,420		1914	31	111	232	104	120	325
Butter.....	1919	3	14	120	18	339	414		1909	12	93	137	81	78	225
	1914	6	37	139	30	584	693	Lumber, planing-mill prod- ucts, not including planing mills connected with saw- mills. <sup>10</sup>	1919	12	84	641	113	171	359
	1909	4	53	56	36	637	742		1914	11	137	785	123	208	403
Canning and preserving <sup>3</sup> .....	1919	6	1,044	1,000	1,219	7,008	11,285		1909	11	203	540	162	200	472
	1914	9	738	575	407	2,158	3,306	Mineral and soda waters.....	1919	4	28	86	33	88	185
	1909	9	425	166	173	674	1,040		1914	6	19	39	11	22	63
Confectionery.....	1919	12	142	190	114	540	878		1909	8	25	85	18	33	106
	1914	5	160	91	60	180	295	Printing and publishing <sup>11</sup> ....	1919	25	178	382	280	292	1,377
	1909	6	72	8	36	107	222		1914	31	268	425	240	263	1,066
Copper, tin, and sheet-iron products. <sup>4</sup>	1919	15	79	115	133	257	442		1909	28	233	307	229	167	786
	1914	25	66	38	69	115	252								
	1909	12	55	52	52	81	180								

<sup>1</sup> Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing," in all years; and "lithographing" in 1914 and 1909.<sup>2</sup> Includes "sausage, not made in slaughtering and meat-packing establishments."<sup>3</sup> Includes "canning and preserving, fruits," in all years; and "pickles, preserves, and sauces," in 1914 and 1909.<sup>4</sup> Includes "stamped and enameled ware, not elsewhere specified," and "tinware, not elsewhere specified," in 1914.<sup>5</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines"; "iron and steel, welding"; and "structural ironwork, not made in steel works or rolling mills," in all years; "hardware" in 1919 and 1909; "pumps, steam and other power," and "steam fittings and steam and hot-water heating apparatus," in 1914; "plumbers' supplies, not elsewhere specified," in 1914 and 1909; and "hardware, saddlery," in 1909.<sup>6</sup> Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "boxes, wooden packing, except cigar boxes," in 1914 and 1909.<sup>7</sup> Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."<sup>8</sup> Includes "canning and preserving, fruits and vegetables," and "pickles and sauces."<sup>9</sup> Includes "automobile repairing"; "iron and steel, welding"; and "structural ironwork, not made in steel works or rolling mills," in all years; and "hardware, saddlery," and "plumbers' supplies, not elsewhere specified," in 1914.<sup>10</sup> Includes "boxes, wooden packing, except cigar boxes," in 1914 and 1909.<sup>11</sup> Includes "bookbinding and blank-book making" in 1914 and 1909.



TABLE 35.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
SACRAMENTO—Con.								SAN FRANCISCO—Con.							
Tobacco, cigars.....	1919	11	48	1	53	73	175	Copper, tin, and sheet-iron products. <sup>4</sup>	1919	67	1,860	1,527	1,947	8,914	13,004
	1914	14	75	.....	61	70	173		1914	90	1,187	869	1,000	3,281	5,852
	1909	17	82	.....	51	67	173		1909	71	1,068	681	947	1,872	3,645
All other industries.....	1919	100	4,166	13,051	5,804	12,243	20,629	Cordials and flavoring sirups..	1919	5	6	13	5	138	265
	1914	87	3,991	11,821	5,130	9,522	11,419		1914	5	6	44	5	91	133
	1909	81	3,435	7,113	3,094	5,337	10,374		1909	4	9	.....	8	37	92
SAN DIEGO.....	1919	266	3,427	9,458	3,609	11,013	20,226	Dental goods.....	1919	8	38	8	38	69	150
All industries. <sup>1</sup>	1914	257	2,060	6,754	1,569	4,582	9,021		1914	8	21	7	13	57	105
	1909	117	1,071	3,269	806	2,667	4,741	Electrical machinery, appa- ratus, and supplies.	1919	30	726	2,104	725	1,671	4,232
SAN FRANCISCO.....	1914	2,334	31,758	61,818	25,293	97,040	162,300		1914	7	173	142	100	273	549
All industries.	1909	1,796	28,244	49,934	22,381	76,217	133,011		1909	10	129	114	77	143	322
Artificial stone products.....	1919	7	34	60	50	54	144	Electroplating.....	1919	7	47	132	83	37	175
	1914	11	56	87	64	77	154		1914	9	29	101	28	23	85
	1909	10	68	26	61	50	151	Fancy articles, not elsewhere specified.	1909	5	27	59	24	23	70
Automobiles, including bodies and parts.	1919	54	788	948	1,145	17,248	21,544		1919	8	80	70	55	153	313
	1914	12	113	105	82	131	317	Flavoring extracts.....	1914	4	16	9	8	12	28
Awnings, tents, and sails.....	1919	9	113	49	174	833	1,436		1919	8	65	49	40	670	956
	1914	8	57	28	44	283	389		1914	7	23	26	16	138	246
	1909	4	48	12	30	51	144		1909	9	25	42	10	121	197
Baskets, and rattan and wil- low ware.	1919	6	95	240	71	181	318	Flour-mill and gristmill prod- ucts.	1919	4	107	1,173	152	5,141	5,736
	1914	8	88	135	45	204	261		1914	5	68	1,260	59	2,582	3,116
	1909	7	117	23	49	118	211		1909	9	107	1,225	89	2,403	2,781
Boots and shoes.....	1919	7	406	191	362	1,332	2,250	Food preparations, not else- where specified.	1919	54	343	2,003	445	3,277	4,543
	1914	8	291	131	201	635	963		1914	46	377	1,263	237	2,242	3,097
	1909	8	321	131	204	553	976		1909	31	330	900	192	1,079	2,436
Boxes, paper and other, not elsewhere specified.	1919	15	558	540	446	1,164	2,267	Foundry and machine-shop products. <sup>5</sup>	1919	343	3,742	9,270	5,625	8,987	20,830
	1914	11	371	233	182	346	745		1914	213	2,383	5,549	2,308	3,661	8,332
	1909	10	281	225	141	221	496		1909	157	2,823	6,714	2,690	4,901	9,622
Brass, bronze, and copper products.	1919	18	201	407	335	551	1,173	Fur goods.....	1919	17	200	34	276	958	1,790
	1914	13	122	170	125	210	419		1914	15	101	20	77	160	399
	1909	13	121	131	116	164	356	Furnishing goods, men's.....	1919	4	147	12	111	687	1,212
Bread and other bakery products.	1919	192	1,693	1,863	2,306	9,217	14,748		1914	3	105	38	49	231	478
	1914	229	1,506	1,133	1,251	3,689	6,683		1909	3	77	3	43	368	564
	1909	167	1,203	786	1,003	2,965	5,268	Furniture and refrigerators...	1919	52	1,108	3,075	1,701	3,151	6,601
Brooms.....	1919	7	74	28	70	196	323		1914	71	866	2,223	833	1,216	2,782
	1914	6	62	23	31	69	127		1909	51	1,048	1,237	1,017	1,336	3,057
Butter.....	1919	8	55	288	76	4,328	4,680	Gas and electric fixtures and lamps.	1919	6	165	189	135	606	1,055
	1914	7	31	156	26	671	741		1914	18	277	287	216	347	791
	1909	3	5	4	3	35	47		1909	15	321	271	257	430	917
Canning and preserving <sup>2</sup> .....	1919	26	1,382	1,285	1,360	11,478	16,386	Glass, cutting, staining, and ornamenting.	1919	14	59	46	95	290	520
	1914	20	1,121	863	580	6,568	8,313		1914	15	40	44	33	35	120
	1909	17	903	666	382	3,482	4,776		1909	12	96	30	89	62	267
Chemicals.....	1919	7	100	210	107	1,090	1,344	Gloves and mittens, leather...	1919	11	116	46	106	272	530
	1914	6	100	576	70	589	838		1914	10	94	16	57	113	230
	1909	4	120	720	93	628	938		1909	9	128	16	79	148	301
Clothing, men's, including shirts.	1919	40	1,713	553	1,392	5,856	9,158	Grease and tallow, not includ- ing lubricating greases.	1919	7	49	213	66	720	950
	1914	52	1,598	382	797	2,167	3,955		1914	4	48	254	45	231	308
	1909	50	1,522	335	727	2,106	3,682		1909	4	32	60	27	200	281
Clothing, women's.....	1919	68	1,074	218	936	3,263	5,590	Hand stamps and stencils and brands.	1919	6	56	40	62	65	233
	1914	53	694	130	387	908	1,725		1914	9	51	39	46	49	185
	1909	41	570	83	252	647	1,225		1909	7	54	55	52	44	161
Coffee and spice, roasting and grinding.	1919	19	627	1,851	553	16,397	21,785	Hats and caps, other than felt, straw, and wool.	1919	15	119	29	130	331	600
	1914	18	334	909	222	5,744	7,270		1914	5	55	56	33	59	155
	1909	19	225	775	153	3,549	4,973		1909	4	31	6	18	34	80
Coffins, burial cases, and undertakers' goods.	1919	6	101	111	123	371	651	House-furnishing goods, not elsewhere specified.	1919	4	22	113	19	143	229
	1914	5	73	88	51	212	324		1914	3	13	205	10	56	93
	1909	4	61	151	39	152	272	Ice, manufactured.....	1919	4	192	2,880	270	205	1,005
Confectionery and ice cream..	1919	71	1,421	1,614	1,090	4,196	7,230		1914	4	145	2,365	131	101	514
	1914	38	787	514	369	1,520	2,625		1909	3	67	1,485	69	73	302
Cooperage and wooden goods, not elsewhere specified.	1919	8	276	379	338	1,658	2,860	Instruments, professional and scientific.	1919	4	58	46	65	140	253
	1914	16	242	842	189	1,240	1,748		1914	6	31	32	24	13	71
	1909	11	282	861	220	1,194	1,604		1909	4	19	18	18	8	55

<sup>1</sup> Comparative statistics by industries for 1914 and 1909 not available.<sup>2</sup> Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; "canning and preserving, oysters"; and "pickles, preserves, and sauces."<sup>3</sup> Excludes statistics for 2 establishments manufacturing "wooden goods, not elsewhere specified," to avoid disclosure of individual operations.<sup>4</sup> Includes "stamped ware, not elsewhere specified," and "tinware, not elsewhere specified."<sup>5</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "hardware"; "iron and steel, welding"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; and "structural ironwork, not made in steel works or rolling mills," in all years; "gas machines," in 1919 and 1914; "hard-ware, saddlery," in 1914 and 1909; and "plumbers' supplies, not elsewhere specified," in 1919 and 1909.<sup>6</sup> Excludes statistics for 1 establishment manufacturing "lamps," to avoid disclosure of individual operations.<sup>7</sup> Excludes statistics for 1 establishment manufacturing "stencils and brands," to avoid disclosure of individual operations.



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TABLE 35.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
<b>SAN FRANCISCO—Con.</b>															
Jewelry.....	1919	34	368	492	582	530	1,440	Patent medicines and com- pounds.....	1919	30	171	99	156	494	1,218
	1914	30	416	444	375	337	929		1914	30	81	79	49	344	809
	1909	24	430	248	367	502	1,121		1909	21	39	18	31	178	401
Leather goods <sup>1</sup> .....	1919	32	351	216	379	900	1,680	Photo-engraving.....	1919	9	73	56	112	106	382
	1914	37	259	199	175	400	943		1914	9	68	50	84	30	195
	1909	20	290	165	204	343	843		1909	9	95	41	105	34	228
Leather, tanned, curried, and finished.....	1919	7	447	1,559	569	4,898	6,432	Printing and publishing <sup>2</sup> .....	1919	350	3,513	5,404	4,658	8,371	26,089
	1914	12	520	1,669	401	2,583	3,437		1914	396	3,531	4,116	3,206	4,692	15,031
	1909	17	558	1,260	415	2,655	3,622		1909	307	3,332	3,386	3,094	3,156	12,201
Liquors, malt.....	1919	6	362	2,676	674	1,276	5,577	Shipbuilding, including boat building.....	1919	21	11,991	20,812	16,575	19,641	46,075
	1914	17	491	2,125	598	1,051	3,951		1914	16	2,130	540	1,958	2,061	4,950
	1909	20	437	1,701	508	895	3,482		1909	10	1,068	1,710	769	637	2,100
Looking-glass and picture frames.....	1919	9	87	82	93	105	326	Signs and advertising novel- ties.....	1919	8	78	19	100	135	439
	1914	14	116	31	97	126	354		1914	12	63	20	61	71	176
	1909	8	71	39	63	86	218		1909	4	21	19	16	15	56
Lumber and timber prod- ucts. <sup>3</sup>	1919	45	814	4,257	908	2,029	3,785	Slaughtering and meat pack- ing. <sup>4</sup>	1919	43	606	1,182	880	20,817	23,407
	1914	59	1,262	6,881	1,121	2,213	4,179		1914	38	488	2,024	490	12,750	14,061
	1909	68	1,439	6,435	1,347	2,133	4,378		1909	31	341	1,083	337	8,904	10,270
Marble and stone work.....	1919	9	128	575	169	260	712	Soap.....	1919	8	50	179	58	791	1,132
	1914	17	508	1,258	470	963	1,729		1914	7	47	172	42	522	717
	1909	18	488	1,227	413	797	1,635		1909	8	69	205	55	541	807
Mattresses and spring beds, not elsewhere specified.	1919	17	271	581	308	1,289	2,136	Steam packing.....	1919	4	27	140	27	133	236
	1914	16	279	572	225	677	1,185		1914	5	19	63	15	57	89
	1909	12	256	365	173	576	1,036	Surgical appliances.....	1919	9	28	18	33	66	152
Millinery and lace goods, not elsewhere specified.	1919	26	580	115	420	1,440	2,489		1914	8	16	8	13	11	47
	1914	23	276	116	170	435	874	Tobacco, cigars and cigarettes	1919	73	1,055	363	906	3,494	8,157
	1909	12	106	97	61	148	269		1914	104	874	67	508	781	2,439
Mineral and soda waters.....	1919	19	85	196	113	270	659		1909	91	750	69	424	614	1,833
	1914	17	84	133	80	84	289	Window shades and fixtures..	1919	15	28	9	35	183	286
	1914	17	84	133	80	84	289		1914	14	33	51	27	205	287
	1909	14	79	125	81	73	316		1909	6	20	37	22	148	222
Models and patterns, not in- cluding paper patterns.	1919	18	55	135	78	41	207	All other industries.....	1919	304	7,165	25,953	8,548	75,867	101,841
	1914	17	50	259	37	23	105		1914	297	6,280	19,182	4,968	25,912	38,826
	1909	14	75	131	66	45	163		1909	306	6,036	13,648	4,645	23,935	37,491
Optical goods.....	1919	4	33	12	35	40	121								
	1914	5	35	15	35	122	258								
Paints.....	1919	15	168	602	187	2,165	3,201								
	1914	11	66	390	50	347	524								

## CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

<b>ALAMEDA.....</b>	1919	52	6,787	9,306	8,788	10,672	25,441	<b>SAN BERNARDINO.....</b>	1919	54	2,107	3,188	2,856	4,038	7,474	
	1914	52	1,087	3,492	1,028	1,003	2,736		1914	54	1,077	1,715	825	1,420	2,613	
	1909	51	915	1,526	797	929	2,554		1909	41	729	1,411	639	763	1,660	
<b>BAKERSFIELD.....</b>	1919	73	1,178	3,331	1,605	3,170	5,609	<b>SAN JOSE.....</b>	1919	201	3,090	6,928	3,703	14,545	25,136	
	1914	51	894	2,450	879	1,623	2,928		1914	225	2,029	3,847	1,327	7,146	10,806	
	1909	27	746	910	664	1,700	2,819		1909	149	1,309	1,668	871	3,205	5,483	
<b>EUREKA.....</b>	1919	52	977	3,939	1,189	1,791	3,980	<b>SANTA BARBARA.....</b>	1919	76	481	1,208	549	893	1,944	
	1914	57	799	3,705	605	1,217	2,480		1914	47	276	837	249	322	844	
	1909	48	946	3,901	673	1,494	3,012		1909	49	289	452	180	439	843	
<b>FRESNO.....</b>	1919	223	3,903	12,947	4,087	37,118	48,944	<b>SANTA CRUZ.....</b>	1919	41	572	1,930	644	1,513	3,944	
	1914	117	2,903	4,080	1,511	12,171	16,520		1914	79	401	2,831	260	745	1,320	
	1909	76	1,938	3,403	1,103	7,992	11,090		1909	34	274	1,827	211	668	1,161	
<b>PASADENA.....</b>	1919	191	1,044	2,098	1,141	3,116	5,798	<b>STOCKTON.....</b>	1919	208	3,534	13,530	4,470	19,411	30,676	
	1914	118	536	1,782	429	869	1,972		1914	157	1,919	5,147	1,604	7,432	11,293	
	1909	88	499	969	380	853	1,724		1909	142	1,571	4,971	1,287	7,997	11,470	
<b>POMONA.....</b>	1919	64	535	1,324	652	1,983	3,754	<b>VALLEJO.....</b>	1919	32	478	3,993	792	15,364	18,056	
	1914	54	322	806	214	325	825		1914	29	292	1,650	292	2,040	3,072	
	1909	30	224	334	162	230	660		1909	23	203	1,616	184	1,404	1,896	
<b>RIVERSIDE.....</b>	1919	60	421	827	556	1,292	2,354									
	1914	68	277	769	241	449	1,022									
	1909	52	263	675	210	523	1,013									

<sup>1</sup> Includes "saddlery and harness" and "trunks and valises."<sup>2</sup> Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."<sup>3</sup> Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."<sup>4</sup> Includes "sausage, not made in slaughtering and meat-packing establishments."



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.		Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Capital.	
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.					
						Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.				
									Maximum month.	Minimum month.									
1	All industries.....	11,942	296,858	12,452	11,149	10,766	9,799	243,692	Au 282,312	Fe 220,138	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	Dollars. 1,233,480,273
2	Agricultural implements.....	34	2,283	20	88	420	168	1,578	Ja 2,112	Au 1,184	1,625	1,600	15	1	.....	.....	.....	.....	10,032,253
3	Ammunition.....	3	343	.....	17	.....	9	298	De 333	My 240	296	150	146	.....	.....	.....	.....	.....	3,072,442
4	Artificial flowers.....	4	9	4	.....	1	.....	.....	De 5	Au 3	6	4	2	.....	.....	.....	.....	.....	29,650
5	Artificial limbs.....	10	36	9	1	.....	2	24	Ja 25	Jy 23	26	23	3	.....	.....	.....	.....	.....	52,501
6	Artificial stone products.....	114	821	135	49	18	11	608	De 766	So 509	773	769	4	.....	.....	.....	.....	.....	1,365,057
7	Automobile bodies and parts.....	253	2,199	284	98	66	70	1,681	De 1,921	Ja 1,439	1,953	1,881	68	4	.....	.....	.....	.....	3,412,328
8	Automobiles.....	12	1,642	6	82	163	64	1,327	No 1,606	Ja 773	1,539	1,513	26	.....	.....	.....	.....	.....	11,001,021
9	Automobile repairing.....	1,648	8,827	2,168	186	214	267	5,992	De 6,426	Ja 5,483	6,491	6,426	38	27	.....	.....	.....	.....	13,190,952
10	Awnings, tents, and sails.....	47	431	51	18	20	15	327	Je 392	Ja 233	327	208	116	3	.....	.....	.....	.....	1,192,072
11	Babbitt metal and solder.....	7	176	1	29	23	12	111	No 118	Ap 99	107	107	.....	.....	.....	.....	.....	.....	1,438,408
12	Bags, other than paper, not including bags made in textile mills.....	6	580	1	19	53	26	487	Je 574	Ja 394	451	186	265	.....	.....	.....	.....	.....	5,284,001
13	Baking powders and yeast.....	5	142	.....	15	39	9	79	Mh 82	Oc 75	79	75	4	.....	.....	.....	.....	.....	1,120,726
14	Baskets, and rattan and willow ware.....	10	143	8	7	.....	3	125	Ap 164	No 81	159	66	89	4	.....	.....	.....	.....	241,246
15	Belting, leather.....	7	111	3	15	8	5	80	De 85	Ja 75	85	69	16	.....	.....	.....	.....	.....	671,667
16	Blacking, stains, and dressings.....	7	29	14	.....	3	12	(*)	(*)	(*)	12	5	7	.....	.....	.....	.....	.....	68,483
17	Bluing.....	3	10	5	.....	1	.....	4	Ja 7	Au 1	8	8	.....	.....	.....	.....	.....	.....	17,027
18	Bookbinding and blank-book making.....	40	839	48	26	80	62	623	De 708	Ja 547	708	343	362	2	1	.....	.....	.....	1,736,721
19	Boots and shoes.....	14	608	7	24	29	22	616	De 707	Ja 536	707	437	267	3	.....	.....	.....	.....	1,776,437
20	Boxes, cigar.....	4	67	6	2	1	4	54	De 62	Jy 50	62	37	25	.....	.....	.....	.....	.....	39,956
21	Boxes, paper and other, not elsewhere specified.....	31	1,465	20	79	69	44	1,253	.....	.....	1,562	621	927	7	7	.....	.....	.....	3,302,258
22	Set-up paper boxes.....	21	924	16	44	27	27	810	No 1,017	Fe 676	984	279	694	4	7	.....	.....	.....	1,433,512
23	All other.....	10	541	4	35	42	17	443	No 611	Ap 303	578	342	233	3	.....	.....	.....	.....	1,868,744
24	Boxes, wooden packing, except cigar boxes.....	46	1,874	28	87	74	28	1,957	Au 1,887	Fe 1,369	1,870	1,685	175	7	3	.....	.....	.....	7,734,141
25	Brass, bronze, and copper products.....	45	614	48	41	24	9	492	Ja 537	No 450	496	492	2	2	.....	.....	.....	.....	1,451,941
26	Bread and other bakery products.....	1,095	8,080	1,346	230	679	431	5,394	.....	.....	5,772	4,173	1,550	28	12	.....	.....	.....	17,125,095
27	Biscuit and crackers.....	9	902	5	22	107	27	741	De 862	Au 672	862	304	556	1	1	.....	.....	.....	2,683,805
28	All other.....	1,086	7,178	1,341	208	572	404	4,653	De 4,837	Ja 4,458	4,910	3,899	1,003	27	11	.....	.....	.....	14,441,290
29	Brick and tile, terra-cotta, and fire-clay products.....	60	1,994	25	112	72	38	1,747	.....	.....	2,287	2,232	41	14	.....	.....	.....	.....	9,542,916
30	Building brick.....	28	656	10	49	11	8	578	De 752	Fe 273	866	857	.....	9	.....	.....	.....	.....	3,202,005
31	Fire brick.....	8	343	2	19	16	7	299	Au 319	No 271	322	322	.....	.....	.....	.....	.....	.....	1,560,758
32	Sewer pipe and drain tile.....	7	252	2	15	16	6	213	De 250	Ja 188	245	245	.....	.....	.....	.....	.....	.....	1,666,257
33	Terra-cotta products.....	14	724	9	29	28	17	641	De 826	Ja 437	831	785	41	5	.....	.....	.....	.....	3,023,515
34	Silicate, magnesite, and bauxite brick and shapes.....	3	19	2	.....	1	.....	16	De 23	Ja 11	23	23	.....	.....	.....	.....	.....	.....	84,381
35	Brooms.....	23	216	34	10	21	.....	151	De 167	Je 143	167	153	14	.....	.....	.....	.....	.....	298,751
36	Brushes.....	9	41	8	5	1	2	25	(*)	(*)	25	24	1	.....	.....	.....	.....	.....	66,037
37	Butter.....	121	1,798	155	100	131	144	1,268	Se 1,399	Ja 1,069	1,292	1,158	128	4	2	.....	.....	.....	8,826,808
38	Buttons.....	7	45	7	3	.....	1	34	Ap 35	No 32	35	9	26	.....	.....	.....	.....	.....	81,272
39	Canning and preserving, fish.....	57	3,312	14	168	78	63	2,989	Jy 4,718	My 976	3,643	1,703	1,937	2	1	.....	.....	.....	10,517,677
40	Canning and preserving, fruits and vegetables.....	303	22,406	203	939	1,048	641	19,575	.....	.....	49,228	20,555	27,037	403	1,173	.....	.....	.....	63,649,112
41	Canned fruits.....	125	14,495	60	482	563	392	12,998	Au 36,941	Mh 2,435	33,593	11,769	20,443	400	981	.....	.....	.....	41,549,404
42	Canned vegetables.....	46	1,891	30	89	71	55	1,646	Au 3,060	Fe 391	4,729	2,496	25	52	.....	.....	.....	.....	6,396,163
43	Dried fruits and vegetables.....	132	6,020	113	368	414	194	4,931	Oc 11,576	Ap 1,777	10,096	6,030	4,098	38	140	.....	.....	.....	15,703,545
44	Carpets, rag.....	23	162	35	6	9	4	108	Oc 112	Ja 103	108	88	17	3	.....	.....	.....	.....	176,340
45	Carriages and wagons, including repairs.....	29	163	37	3	7	4	112	.....	.....	121	120	.....	1	.....	.....	.....	.....	417,508
46	Carriages and wagons.....	11	66	17	.....	1	2	46	Jy 51	Ja 39	45	45	.....	.....	.....	.....	.....	.....	175,509
47	Repair work only.....	18	97	20	3	6	2	66	Oc 77	Ja 57	76	75	.....	1	.....	.....	.....	.....	241,999
48	Cars and general shop construction and repairs by electric-railroad companies.....	22	1,829	.....	50	33	15	1,731	Fe 1,839	Je 1,552	1,727	1,705	22	.....	.....	.....	.....	.....	3,784,097
49	Cars and general shop construction and repairs by steam-railroad companies.....	60	17,206	.....	494	449	50	16,213	De 17,382	Ja 15,234	17,006	16,893	113	.....	.....	.....	.....	.....	14,628,648
50	Cement.....	8	1,538	.....	71	120	31	1,316	De 1,607	Ja 1,159	1,525	1,499	26	.....	.....	.....	.....	.....	31,097,607
51	Cheese.....	48	307	60	14	13	10	210	Oc 231	Fe 167	235	225	8	2	.....	.....	.....	.....	2,063,335
52	Chemicals.....	49	1,762	10	85	128	73	1,466	Ja 1,856	So 1,273	1,288	1,266	21	1	.....	.....	.....	.....	25,483,943
53	Chewing gum.....	4	194	2	8	29	24	131	Fe 174	Se 96	120	21	99	.....	.....	.....	.....	.....	963,188
54	China decorating, not including that done in potteries.....	5	20	5	.....	2	.....	13	My 15	Au 12	13	2	11	.....	.....	.....	.....	.....	20,746
55	Chocolate and cocoa products.....	4	295	.....	18	16	9	252	Ap 282	Jy 221	245	185	60	.....	.....	.....	.....	.....	2,711,270
56	Cleansing and polishing preparations.....	35	110	38	15	9	8	40	.....	.....	45	31	14	.....	.....	.....	.....	.....	319,046
57	Cleansing preparations.....	19	55	21	6	1	5	22	Oc 26	Ap 17	25	17	8	.....	.....	.....	.....	.....	151,884
58	Metal polish.....	5	14	4	1	1	2	6	Au 4	Fe 5	8	7	1	.....	.....	.....	.....	.....	110,760
59	All other polishing preparations.....	11	41	13	8	7	1	12	(*)	(*)	12	12	7	5	.....	.....	.....	.....	57,012
60	Clothing, men's.....	62	2,669	69	50	86	53	2,411	.....	.....	2,894	479	2,401	2	12	.....	.....	.....	4,771,926
61	Regular factory products.....	44	2,529	44	48	86	52	2,269	.....	.....	2,737	416	2,307	2	12	.....	.....	.....	4,757,058
62	Men's, youths', and boys'.....	23	869	28	24	39	22	756	De 904	Ja 657	943	208	727	8	.....	.....	.....	.....	1,785,104
63	All other.....	21	1,660	16	24	47	30	1,543	No 1,791	Ap 1,395	1,794	208	1,580	2	4	.....	.....	.....	2,971,904
64	Contract work.....	18	140	25	2	.....	1	112	De 159	Se 37	157	63	94	.....	.....	.....	.....	.....	14,858
65	Clothing, women's.....	165	3,745	268	111	140	102	3,124	.....	.....	3,552	586	2,946	2	18	.....	.....	.....	6,166,741
66	Regular factory products.....	162	3,707	262	111	140	102	3,092	.....	.....	3,525	585	2,931	2	7	.....	.....	.....	6,160,141
67	Suits, skirts, and cloaks.....	57	824	80	20	26	26	672	Oc 839	Jy 450	812	335	477	.....	.....	.....	.....	.....	1,738,400
68	Shirt waists, dresses, and wrappers.....	65	2,128	127	53	80	46	1,822	Se 2,173	Ja 1,271	1,968	199	1,761	2	6	.....	.....	.....	3,140,610
69	Undergarments and petticoats.....	14	167	22	5	4	4	132	De 162	Ja 95	162	19	142	.....	1	.....	.....	.....	249,443
70	All other.....	26	588	33	33	30	26	466	No 602	Fe 353	583	32	551	.....	.....	.....	.....	.....	1,031,688
71	Contract work.....	3	33	6	.....	.....	.....	32	No 40	Fe 24	27	1	15	.....	11	.....	.....	.....	5,600
72	Coffee and spice, roasting and grinding.....	70	1,714	60	120	535	203	796	Oc 856	Mh 742	871	502	367	2	.....	.....	.....	.....	15,590,114

\* Includes water wheels and turbines (irrespective of ownership) of water supply, and water motors (operated by water from city mains).

† Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
										Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	Rent- ed. <sup>2</sup>	

## THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
36,267,012	39,153,257	305,207,389	7,017,802	9,219,989	50,977,726	1,181,132,228	37,726,290	1,981,204,701	762,346,183	766,016	179,220	32,036	25,020	7,704	522,036	51,096	1			
407,287	766,729	1,966,168	24,715	12,527	1,078,312	3,592,172	124,930	9,490,109	5,773,007	4,668	95		616		3,957	164	2			
57,291	30,838	223,946			193,990	995,260	18,940	1,767,321	753,121	626	20		31		575		3			
	500	4,912			376	4,895	144	18,340	13,301	1										
	3,146	36,882	120	5,922	308	29,898	15,799	2,254,146	1,398,821	842					32		1			
88,911	28,708	716,362	10,756	19,103	14,781	839,580	15,745	2,254,146	1,398,821	842	30		241		571		6			
270,096	115,555	2,255,304	85,367	239,914	66,694	3,231,336	60,341	7,735,153	4,443,476	1,981			28		1,953		7			
227,554	297,976	1,809,924	18,088	28,351	1,392,479	26,949,006	77,055	36,626,893	9,600,832	1,332			43		1,284		8			
353,012	462,364	8,299,952	348,266	1,048,230	162,642	8,963,093	303,485	24,893,910	15,627,332	8,424	8		482	2	7,932		9			
52,097	37,853	379,270	175	27,990	57,694	1,743,238	6,591	2,866,399	1,116,570	216					216		10			
97,889	55,722	147,371		12,180	29,600	2,743,372	36,239	3,349,477	569,866	251					251		11			
108,854	97,287	388,081		27,809	542,091	11,092,168	8,395	13,414,851	2,314,288	592					592		12			
38,564	25,886	115,946		22,948	24,855	645,706	62,053	1,040,485	332,726	1,333	150				1,183		13			
12,400	1,677	113,371	250	15,785	7,695	344,700	2,401	571,033	223,932	291	110				181		14			
42,795	43,886	81,635		4,505	21,755	732,094	6,722	1,083,208	344,392	261					261		15			
	3,086	11,460		4,440	403	85,814	314	131,452	45,324	9					9		16			
	1,653	2,734		912	69	18,479	119	33,215	14,617	16					16		17			
59,367	139,886	627,505	26,002	33,124	19,623	873,747	13,290	2,462,669	1,576,632	463					463		18			
105,253	83,307	542,010	460	15,311	128,571	1,968,366	10,994	3,247,177	1,277,817	381	115				266		19			
6,000	4,760	42,371	889	3,260	500	75,725	1,566	154,861	77,570	43			8		35		20			
238,107	170,292	1,010,844	4,200	68,589	83,417	2,647,124	24,177	4,988,121	2,316,820	1,315					1,315		21			
126,914	73,640	589,181	4,200	45,374	41,289	975,397	11,264	2,315,353	1,328,692	545					545		22			
111,193	96,652	421,663		23,215	42,128	1,671,727	12,913	2,672,768	988,128	770					770		23			
250,231	94,612	1,648,502	11,520	56,903	100,490	5,695,376	61,325	8,908,686	3,161,985	6,229	1,965		20	4,244	726	24				
142,537	42,362	754,168	6,976	34,720	27,535	1,767,805	50,661	3,316,347	1,497,881	840					840		25			
656,262	1,438,515	6,915,063	15,656	674,568	372,631	30,481,601	817,946	48,950,681	17,637,144	6,090	252	120			5,718		26			
98,903	231,637	615,934	33,672	137,244	2,206,434	33,044	4,061,387	1,701,909	832,032	817	100	70			647		27			
557,299	1,206,878	6,299,129	15,656	640,896	235,387	28,215,167	784,902	44,895,304	15,895,235	5,273	152	50			5,071		28			
316,701	160,714	1,884,467	10,045	8,206	105,892	895,402	929,049	5,211,390	3,386,939	11,557	3,550	150	92		7,705		29			
99,185	21,597	622,405		4,686	29,291	215,876	321,083	1,683,449	1,140,540	5,545	1,385				4,160		30			
42,755	31,503	307,839		450	22,200	243,975	221,649	931,218	465,594	1,864	505				1,359		31			
39,052	32,316	259,582	10,015	70	11,296	144,863	145,871	832,032	541,288	1,014	445	150	92		327		32			
135,709	73,763	671,712	30	1,500	42,095	259,406	237,349	1,708,285	1,211,530	3,000	1,215				1,785		33			
	1,535	22,919		1,500	200	31,282	3,147	56,406	21,077	134					134		34			
16,500	20,065	167,256		13,888	2,569	457,083	2,385	767,653	308,180	102					94		35			
19,200	4,942	24,174	200	2,153	1,104	65,085	1,759	141,640	74,796	52					52		36			
261,158	352,972	1,542,380	26,617	56,723	222,408	35,969,721	376,300	40,659,853	4,313,832	4,630	818	42	232	50	3,479		37			
3,600	720	26,969		5,820	232	14,755	1,227	66,102	50,090	23					23		38			
637,647	184,591	2,210,048	171	66,910	394,568	10,197,310	216,202	17,482,795	7,069,277	4,790	485		90		4,215		39			
2,393,127	1,952,143	18,470,036	51,687	926,300	5,379,586	127,314,326	1,325,513	189,955,631	61,315,792	21,992	4,102	739			17,151		40			
1,696,252	1,284,514	12,900,414	33,533	74,620	4,340,388	54,893,829	714,902	99,773,961	44,155,230	11,928	2,068		275		9,585		41			
211,453	145,164	1,449,403	2,082	34,574	410,147	5,485,246	115,571	10,551,770	4,950,953	2,727	705		78		1,854		42			
485,422	522,465	4,120,219	16,072	817,198	629,051	66,935,251	495,040	79,629,900	12,190,609	7,337	1,239	386			5,712		43			
10,122	13,097	105,467	445	4,245	1,654	40,368	2,265	314,905	272,142	119					114		44			
5,064	13,948	145,789	400	8,762	2,315	205,794	11,542	463,775	240,439	336				1	335		45			
	7,840	62,586	200	2,580	1,305	85,899	5,215	195,397	104,283	195				1	194		46			
5,664	6,108	83,203	200	6,182	950	119,895	6,327	268,378	142,156	141					141		47			
87,485	62,517	2,066,759	3,000	170	9,027	1,730,446	64,888	4,057,871	2,253,537	4,307	350		4		3,953		48			
1,306,573	708,103	24,069,764			98,744	14,284,057	1,476,852	41,926,975	26,166,066	15,598	2,752		127		12,719		49			
312,976	278,942	1,884,477			223,982	1,983,891	2,130,126	11,253,473	7,144,456	40,544	105		25		40,414		50			
34,740	25,307	260,183		11,428	15,459	3,186,203	67,758	3,792,388	538,427	772	155	10	36	2	569		51			
283,367	256,686	1,973,938	27,885	10,289	233,679	4,830,172	1,300,728	10,530,416	4,408,516	15,980	1,437	2,790	80		11,073		52			
26,624	73,591	93,508		8,430	63,451	897,858	5,508	1,810,729	907,363	129					129		53			
	762	10,593	3,647	1,922	380	26,604	808	52,955	25,543								54			
82,577	55,584	251,171		8,575	285,453	3,754,700	50,615	5,662,682	1,857,367	1,353	40				1,313		55			
29,448	24,883	41,585	220	10,814	12,589	426,429	1,176	700,891	273,286	69			7		62		56			
16,648	13,339	24,465		6,319	11,473	278,296	607	427,580	148,617	37			7		30		57			
1,200	2,929	7,516	120	540	11,269	63,560	101	98,986	35,325	5					5		58			
11,600	8,615	9,004	100	3,955	847	84,573	408	174,325	89,344	27					27		59			
159,748	237,736	1,824,182	111,747	68,237	177,882	7,357,199	26,047	11,405,400	4,022,154	711	120				591		60			
154,368	236,606	1,688,984	111,027	61,867	177,601	7,348,649	24,412	11,201,234	3,828,173	691	120				571		61			



TABLE 36.—DETAILED STATEMENT OF AIL INDUSTRIES

INDUSTRY AND CITY.		Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Average number.	Wage earners.		Total.	16 and over.		Under 16.					
						Male.	Female.		Maximum month.	Minimum month.		Male.	Female.	Male.	Female.				
																Number, 15th day of—			
1	Coffins, burial cases, and undertakers' goods.	14	301	8	19	21	10	243	Ap	257	Se	229	232	182	50		Dollars. 1,861,994		
2	Condensed milk.	11	648		25	40	39	544	Jy <sup>a</sup>	638	Ja	451	471	395	76		5,744,367		
3	Confectionery and ice cream.	298	5,299	321	109	425	271	4,083	No	4,063	Ja	2,902	4,726	1,859	2,843	3	21	10,736,500	
4	Confectionery.	207	4,134	228	134	294	178	3,300	No	4,063	Ja	2,902	3,935	1,264	2,050	1	20	7,132,237	
5	Ice cream.	91	1,165	93	65	131	93	783	Au	947	Ja	595	791	505	193	2	1	3,604,263	
6	Cooperage, hogsheds and barrels.	15	451	12	19	11	19	390	Ja	493	Se	343	355	348	4	3	1,885,655		
7	Copper, tin, and sheet-iron work.	322	2,027	370	94	51	50	1,462	Au	1,610	Fe	1,353	1,725	1,068	55	2	4,100,577		
8	Cordials and flavoring sirups.	9	54	6	6	13	2	27	De	39	Fe	16	46	45	1		313,165		
9	Cutlery and edge tools.	4	32	2	1	1		28	De	30	Mh <sup>a</sup>	27	31	31			53,423		
10	Dairymen's, poultrymen's, and apiarists' supplies.	20	135	17	9	5	7	97					136	113	23		380,003		
11	Incubators and brooders.	6	34	8		2	1	23	De	48	Ja	8	48	46	2		61,167		
12	All other poultrymen's supplies.	5	13	3	2	1	1	6	My	9	De	3	12	10	2		33,407		
13	Dairymen's and apiarists' supplies.	9	88	6	7	2	5	68	My	77	Se <sup>a</sup>	60	76	57	19		285,429		
14	Dental goods.	19	100	22		1	4	73					77	64	6	7	59,812		
15	Teeth.	4	12	4		1		7	(*)	7	(*)	7	7	3	4		1,550		
16	All other.	15	88	18			4	66	Jy	69	Ja <sup>a</sup>	64	70	61	6	3	58,262		
17	Druggists' preparations.	15	284	11	18	20	13	222	Ja	235	Oc	208	233	90	143		1,007,686		
18	Electrical machinery, apparatus, and supplies.	73	2,714	57	113	325	211	2,008	No	2,328	My	1,803	2,322	1,478	840	4	7,690,738		
19	Electroplating.	30	194	42	6	3	5	138	No <sup>a</sup>	150	Ja <sup>a</sup>	130	149	147	2		152,748		
20	Enameling.	6	18	7				11	No <sup>a</sup>	14	Ja <sup>a</sup>	9	14	13		1	12,689		
21	Engines, steam, gas, and water.	22	2,664	9	105	234	85	2,231	Ja	2,715	Oc	1,091	2,659	2,625	32	2	13,267,811		
22	Engraving and diesinking.	22	89	26	1	1	3	58	Mh <sup>a</sup>	59	Ja <sup>a</sup>	56	63	53	7	3	42,372		
23	Engraving, steel and copper plate, including plate printing.	24	186	23	10	9	9	135	De	173	Ja	101	159	95	63	1	217,147		
24	Explosives.	3	972		79	207	75	611	Ja	1,011	De	497	497	485	12		12,612,729		
25	Fancy articles, not elsewhere specified.	26	303	29	11	15	8	240					307	112	191	4	254,998		
26	Beadwork.	4	87	4	2		2	79	My	93	Ja	61	92		92		40,076		
27	Metal and paper novelties.	4	17	7				10	Au <sup>a</sup>	11	My <sup>a</sup>	9	11	3	8		21,302		
28	Wood novelties.	5	92	3	4	2	3	80	De	119	Mh	56	120	82	34	4	79,691		
29	All other.	13	107	15	5	13	3	71	Oc	90	Ja	51	84	27	57		113,929		
30	Feathers and plumes.	6	84	3	5	3	10	63	De	90	Ja	44	78	19	54	2	3	440,915	
31	Fertilizers.	17	469	3	32	129	21	284	No	315	Se	257	299	290	9		3,543,351		
32	Flags and banners.	6	51	3	4	3	2	39	Ja	58	De	28	34	6	22	1	5	91,456	
33	Flavoring extracts.	20	207	14	15	26	14	138	Au	252	Ja <sup>a</sup>	75	84	47	37		580,977		
34	Flour-mill and gristmill products.	134	2,579	65	144	439	152	1,779	No	2,005	Mh	1,615	2,052	1,858	192	2	27,077,832		
35	Food preparations, not elsewhere specified.	172	1,590	218	114	129	80	1,049					1,609	878	729	2	6,514,504		
36	Breadstuff preparations, macaroni, vermicelli, and noodles.	60	490	94	29	22	25	320	De	373	Ap	292	384	290	93	1	2,898,473		
37	Meat products and peanut butter.	5	38	8	2	11	4	13	No	22	Au <sup>a</sup>	8	20	16	4		82,124		
38	Sweetening sirups, other than cane.	9	47	8	3	7	5	24	De	26	Ja <sup>a</sup>	23	28	20	8		85,715		
39	All other food preparations—For human consumption.	71	708	92	46	50	26	494	No	1,006	Mh	247	905	281	623	1	1,404,298		
40	For animals and fowls.	27	307	16	34	39	20	198	Jy <sup>a</sup>	246	Ap	144	272	271	1		2,043,894		
41	Foundry and machine-shop products.	595	12,203	550	696	813	382	9,827					11,627	11,504	105	12	38,244,331		
42	Boiler shops.	18	394	17	25	25	3	324	My	497	Mh	139	211	211			1,271,023		
43	Foundries.	53	1,887	43	113	52	36	1,638	Ja	1,992	Oc	856	2,158	2,142	16		4,826,534		
44	Machine shops.	487	8,016	460	475	597	294	6,190	Au	6,924	Mh	5,388	6,883	6,792	79	10	26,587,857		
45	Machine shop and foundry combined.	37	1,971	25	83	139	49	1,675	De	1,764	Ja	1,577	2,371	2,359	10	2	5,558,917		
46	Fur goods.	33	396	32	9	7	23	325	Oc	374	Fe	283	371	125	240	4	2	1,152,393	
47	Furnishing goods, men's.	8	340	10	17	34	16	263	No	336	Ja	201	308	39	265	4	1,328,853		
48	Furniture.	176	3,457	218	113	169	104	2,883					3,648	3,215	301	32	8,753,677		
49	Wood, other than rattan and willow.	103	1,857	136	58	66	48	1,649	De	2,045	Ja	1,100	1,942	1,673	257	12	3,912,392		
50	Rattan and willow.	21	299	21	7	12	5	254	De	322	Ja <sup>a</sup>	213	322	307	9	6	387,507		
51	Metal furniture and store and office fixtures.	52	1,331	61	43	91	51	1,080	Oc	1,279	Mh	895	1,284	1,235	35	14	4,453,778		
52	Galvanizing.	3	21	2	3		1	15	Fe	20	Mh <sup>a</sup>	14	15	15			54,465		
53	Gas and electric fixtures.	27	419	27	28	67	28	209					329	310	19		1,124,143		
54	Gas fixtures.	22	388	18	27	63	28	252	De	312	Ja	220	313	295	18		1,088,988		
55	All other.	5	31	9	1	4		17	Oc	18	De	16	16	15	1		35,155		
56	Gas, illuminating and heating.	57	3,721	1	167	769	340	2,444	No	2,851	Fe	2,079	2,705	2,702	2	1	62,207,518		
57	Gas machines and gas and water meters.	3	8	1	1	1		4	No <sup>a</sup>	6	Jy <sup>a</sup>	1	10	10			41,381		
58	Glass.	7	1,431	3	25	53	17	1,333	No	1,781	Au	591	1,410	1,358	52		2,082,731		
59	Glass, cutting, staining, and ornamenting.	37	230	46	11	25	14	134	De	151	Ap	120	161	152	9		728,845		
60	Gloves and mittens, leather.	27	782	23	49	26	19	665	De	723	Ja	595	730	309	416	5	1,645,569		
61	Gold and silver, reducing and refining, not from the ore.	7	36	8	2	5	3	18	De	19	My	17	19	19			268,786		
62	Graphite, ground and refined.	3	16	2	2	2		10	My <sup>a</sup>	12	Oc <sup>a</sup>	8	11	11			55,506		
63	Grease and tallow, not including lubricating greases.	19	232	34	21	10	4	163					195	170	2	23	1,156,501		
64	Soap stock.	5	104	9	8	2	2	83	Au	94	Ap	76	78	78			594,123		
65	Tallow.	11	108	14	11	8	1	74	De	82	Fe <sup>a</sup>	70	110	86	1	23	541,008		
66	All other.	3	20	11	2		1	6	Oc	8	Ja <sup>a</sup>	3	7	6	1		21,370		
67	Hair work.	9	36	9			1	26	No <sup>a</sup>	29	Ja <sup>a</sup>	24	29	4	25		31,917		
68	Hand stamps.	20	188	17	14	38	14	105	De	112	Ja <sup>a</sup>	99	112	88	24		328,199		
69	Hardware.	17	134	20	5	5	2	102					137	128	9		186,866		
70	Builders'.	10	104	9	4	5	2	84	De	110	Mh	61	113	111	2		149,480		
71	All other.	7	30	11	1			18	Au	23	Ja	14	24	17	7		37,386		
72	Hats and caps, other than felt, straw, and wool.	30	291	37	12	12	8	222	Oc <sup>a</sup>	262	Ja	179	263	112	147	3	1	370,812	

<sup>1</sup>Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>2</sup>Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.									
Salaries and wages.			For contract work.	Rent and taxes.		For materials.			Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.			
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.			Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	Rent. <sup>2</sup>				
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.										
60,019	41,113	292,362	1,184	14,586	65,077	759,306	9,203	1,543,026	774,517	425						425			
108,662	121,743	570,327	5,000	1,375	189,215	9,815,993	254,971	11,068,142	1,897,178	1,784	753		200			831	345		
572,902	773,357	3,257,866	16,332	385,136	595,257	13,189,781	303,521	23,225,675	9,732,373	5,766	465		34			5,267			
373,924	626,381	2,418,094	15,958	307,339	477,057	9,317,336	162,066	16,508,123	7,028,721	2,817	180					2,637			
189,038	146,976	839,772	374	77,797	118,200	3,872,445	141,455	6,717,552	2,703,652	2,940	285		34			434			
84,116	42,939	562,492	150	9,213	107,814	2,641,330	15,410	4,190,622	1,533,882	690	250		6			1,111	7		
266,097	101,576	1,952,529	9,165	133,516	66,229	3,201,851	38,608	7,159,783	3,919,324	1,186	6		68			33	8		
13,277	19,928	25,331		4,890	45,039	949,821	961	1,292,357	341,575	34					1	51	9		
3,600	800	42,237		1,885	349	17,520	2,614	92,902	72,768	54						369	10		
18,246	13,039	102,190	50	6,645	3,974	431,356	4,774	668,885	232,755	372			3						
	2,136	26,432		630	267	46,665	740	106,055	58,650	69						69	11		
3,096	2,480	9,432	50	4,455	309	25,588	1,296	56,777	29,893	73			3			70	12		
15,150	8,423	66,326		1,560	3,398	359,103	2,738	506,053	144,212	230						230	13		
	3,580	76,168	10,961	8,727	617	132,859	1,701	308,948	174,388	19						19	1		
	520	5,038		1,235	29	7,902	160	24,826	16,704	2						2	14		
	3,060	71,130	10,961	7,492	588	124,897	1,541	284,122	157,684	17						17	16		
57,994	44,113	181,549	840	16,765	50,992	697,386	5,566	1,187,841	484,889	95			7			88	29		
342,668	602,697	1,894,004	16,090	67,314	334,118	4,898,427	131,484	11,368,196	6,338,285	3,864						3,864	18		
	14,912	6,919	199,283	8	17,887	7,226	63,381	12,445	438,764	352						352	19		
	619,784	394,252	3,274,637	301,625	589,993	5,525,159	120,676	12,687,250	7,041,415	25						25	20		
2,600	3,355	68,261	735	8,072	342	20,316	1,627	173,736	142,703	10,526			129			10,397	21		
22,379	22,260	154,971	6,824	12,875	2,113	116,425	2,352	494,544	375,767	31						31	22		
	367,032	567,466	947,109		327,872	2,670,924	181,457	6,407,547	3,555,166	72						72	23		
32,055	15,609	170,224	390	16,712	3,792	286,220	3,041	702,371	413,110		7,209	875	1,400		125	4,809	660		
	5,000	1,344	44,991	100	1,716	254	40,863	233	131,431	131						131	24		
	7,205	5,008	53,960	290	1,929	72	23,289	88	41,416	11						11	26		
19,850	9,257	62,806		290	3,350	2,730	49,950	1,559	176,753	7						7	27		
8,415	8,502	42,958			9,687	736	172,118	1,161	349,771	86						86	28		
95,761	151,369	317,350	11,899		4,845	5,313	82,878	841	174,664	27						27	29		
11,878	5,189	27,923			27,385	41,233	2,482,550	49,731	3,000,704	5						5	30		
51,371	76,161	90,390			1,470	80,232	1,128	142,386	52,026	2,423	285		20			2,118	31		
355,585	802,386	2,229,241			2,750	19,611	945,190	4,182	1,437,310	17						17	32		
217,032	224,160	1,075,500			2,750	19,611	945,190	4,182	1,437,310	77						77	33		
	70,265	56,354	303,647	9,550	41,531	24,439	2,178,143	67,585	3,412,962	16,866	3,299	10	544	420	12,593	648	34		
	3,070	11,530	11,252	1,600	3,110	132	237,214	1,232	313,799	6,092	60	75	195	28	5,644		35		
	7,000	12,153	23,175		4,110	2,977	252,783	3,051	373,941	1,694						1,694	36		
	76,524	82,050	404,677	3,225	29,296	13,868	5,602,427	44,251	7,867,891	32						32	37		
60,173	62,073	242,749			30,111	28,015	3,829,328	36,902	4,684,421	183	30	75				183	38		
2,251,430	1,396,209	13,835,263	1,121,237	387,861	1,079,607	21,593,700	1,045,184	51,336,530	28,697,646										
98,673	32,907	506,991	3,000	23,404	50,788	516,249	17,020	1,620,908	1,087,639										
410,257	110,311	2,174,251	18,140	47,920	204,532	3,017,992	319,797	7,238,211	3,900,422										
1,508,344	1,041,401	196,357	295,840	628,890	15,407,190	514,797	35,093,273	19,981,286	15,816										
234,256	211,590	2,083,410	903,740	20,637	126,387	2,652,269	193,570	6,574,138	3,728,299										
	45,150	36,695	412,036	3,585	51,290	30,207	1,368,557	3,833	2,515,243										
39,148	106,217	201,846	1,190	21,611	5,553	1,296,497	1,761	2,205,038	906,780										
372,949	357,506	3,598,374	29,695	177,407	215,841	6,221,093	92,273	13,639,927	7,326,561										
177,684	156,268	1,709,905	12,394	87,708	56,029	3,400,794	36,738	7,018,447	3,580,915										
	24,295	26,121	270,411	600	19,270	3,916	309,332	1,748	826,000										
170,970	175,117	1,618,058	16,701	70,429	155,806	2,510,967	53,787	5,705,480	3,230,726										
	9,082	2,100	19,240		1,515	431	39,460	7,770	93,978										
79,224	118,976	303,445	1,060	30,236	11,027	891,046	10,121	1,672,315	771,148										
76,324	114,896	280,843	360	27,874	10,630	850,586	9,390	1,582,452	722,476										
2,900	4,080	22,602	700	2,362	488	40,490	731	89,863	48,672										
493,049	1,152,859	2,754,113		300	1,325,762	1,723,896	6,276,167	20,440,682	12,440,619										
1,825	1,400	8,691	2,115	1,345	130	11,245	151	34,949	23,553										
	120,577	96,361	1,654,369	8,944	59,836	903,703	421,775	3,760,787	2,435,309										
29,065	61,637	207,092	9,000	29,194	10,660	704,298	8,903	1,313,230	600,029										
	112,956	70,987	561,261	6,850	14,517	26,460	851,131	4,479	2,048,503										
3,600	11,215	26,717		6,161	894	865,223	4,015	954,140	84,902										
	1,858	1,407	9,273		300	9,689	1,921	28,200	16,590										
36,211	11,019	202,472	2,354	7,821	20,078	1,542,056	149,784	2,427,182	735,312										
	17,563	4,736	102,284	50	1,830	603,609	110,728	1,051,192	336,795										
15,348	6,033	92,473	2,081	4,871	9,771	925,726	36,668	1,312,894	350,500										
3,000	250	7,715	223	1,120	157	12,661	2,398	63,076	48,017										
	2,110	29,017	240																



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Average number.	Wage earners.		Total.	16 and over.		Under 16.		
					Male.	Female.		Number, 15th day of—			Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.						
1 Hats, fur-felt.....	6	83	4	5	4	1	69	De	90	Fe	50	83	40	43	Dollars.
2 House-furnishing goods, not elsewhere specified.	13	85	11	8	6	5	55					84	34	30	212,927
3 Comforts, quilts, and feather pillows and beds.	7	48	5	5	4	2	32	No	37	Ja	29	37	24	13	204,128
4 All other.....	6	37	6	3	2	3	23	De	27	Ja	20	27	10	17	99,700
5 Ice, manufactured.....	117	1,895	85	146	83	46	1,535	Jy	1,938	Ja	1,177	1,561	1,554	3	104,428
6 Instruments, professional and scientific.	9	132	9	17	4	5	97					104	100	4	21,547,099
7 Medical and surgical.....	4	29	7	1	2	-----	19	Je	20	Ja	18	18	18	-----	315,386
8 All other.....	5	103	2	16	2	5	78	De	87	Ap	73	86	82	4	52,223
9 Iron and steel, steel works and rolling mills.	8	3,758	-----	91	149	42	3,476	Oc	3,746	Je	3,309	3,452	3,429	22	283,163
10 Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	5	76	-----	7	2	-----	67	Au	79	Oc	49	58	58	-----	13,700,484
11 Iron and steel, forgings, not made in steel works or rolling mills.	7	260	3	16	10	7	224	Fe	296	Oc	110	232	232	-----	300,052
12 Iron and steel, tempering and welding.	58	218	72	5	4	5	132	My	139	Mh	120	141	140	1	936,833
13 Iron and steel, wrought pipe.	16	803	9	38	51	18	687	Ap	784	Ja	520	649	649	-----	306,000
14 Ivory, shell, and bone work, not including combs and hairpins.	3	52	5	1	7	2	37	Au	3	Ja	29	35	18	17	2,706,457
15 Jewelry.....	83	877	123	22	43	39	650	De	755	Au	587	752	648	99	63,146
16 Knit goods.....	21	919	16	49	103	56	695	De	875	Ja	604	802	110	688	1,221,908
17 Lamps and reflectors.....	7	118	6	10	2	9	91	De	121	Ja	41	143	116	26	2,316,252
18 Automobile lamps.....	3	98	1	10	2	6	79	De	121	Ja	41	121	95	25	342,615
19 All other lamps and reflectors.....	4	20	5	-----	3	12	12	De	20	Ja	8	22	21	1	322,933
20 Lapidary work.....	13	59	14	1	2	1	41	No	58	Ja	30	52	34	17	19,582
21 Leather goods, not elsewhere specified.	17	213	15	14	16	10	158	De	206	Mh	127	198	80	114	34,795
22 Leather, tanned, curried, and finished.	21	1,630	11	76	55	35	1,453	Au	1,506	My	1,401	1,509	1,460	46	439,111
23 Lime.....	8	190	6	13	9	3	159	Ap	178	Oc	141	157	155	2	15,904,030
24 Liquors, distilled.....	3	289	-----	23	16	16	234	De	319	Jy	165	319	319	-----	879,196
25 Liquors, malt.....	20	1,208	2	92	154	25	935	Oc	1,202	Ap	841	873	871	2	3,013,340
26 Liquors, vinous.....	287	1,034	318	70	26	20	600	Oc	1,501	Jy	333	1,156	1,134	18	12,684,577
27 Lithographing.....	11	889	2	35	106	50	696	No	761	Fe	634	754	618	134	8,782,301
28 Looking-glass and picture frames.....	33	256	27	18	21	8	182	No	216	Fe	156	205	170	33	2,989,533
29 Lubricating greases.....	3	13	4	2	3	1	3	(*)	3	(*)	3	3	3	-----	300,958
30 Lumber and timber products.....	195	18,150	169	338	493	193	16,957	Jy	20,957	Ja	11,023	19,445	18,942	471	32,400
31 Lumber, planing-mill products, not including planing mills connected with sawmills.	325	7,386	271	290	450	160	6,215	De	7,121	Fe	5,262	7,175	7,059	104	75,530,087
32 Marble and stone work.....	128	781	150	45	36	20	530					653	653	-----	26,720,580
33 Monuments and tombstones.....	100	320	129	13	9	7	162	De	176	Ja	144	187	187	-----	2,068,889
34 Other marble and stone work, except slate.	28	461	21	32	27	13	368	No	472	Fe	305	466	466	-----	761,876
35 Mattresses and spring beds, not elsewhere specified.	49	795	47	60	50	29	609	De	764	Ja	461	795	658	130	2,207,013
36 Millinery and lace goods, not elsewhere specified.	67	1,266	75	38	70	42	1,041					1,181	120	1,008	2,552,285
37 Embroideries.....	11	136	14	3	4	9	106	De	191	Fe	66	195	10	185	1,468,381
38 Trimmed hats and hat frames.....	25	786	20	23	57	22	655	Au	707	Ja	558	687	82	553	158,884
39 Dress and cloak trimmings and women's neckwear.	9	168	7	8	8	3	142	Jy	161	Ja	102	148	11	136	958,998
40 All other.....	22	176	25	4	1	8	138	No	154	Ja	124	151	17	134	100,868
41 Mineral and soda waters.....	195	809	229	61	18	33	468					509	434	19	159,631
42 Mineral and carbonated waters.....	175	685	207	51	4	28	395	Jy	480	Ja	343	412	391	6	3,566,532
43 All other.....	20	124	22	10	14	5	73	Oc	167	Ap	39	97	93	4	2,534,380
44 Minerals and earths, ground or otherwise treated.	13	272	7	16	13	4	232	Ja	285	Oc	200	285	285	-----	1,032,152
45 Mirrors, framed and unframed, not elsewhere specified.	12	63	7	3	-----	3	50	De	61	Ja	41	61	61	-----	1,341,353
46 Models and patterns, not including paper patterns.	45	218	56	9	3	2	148	Au	158	Ja	138	159	145	11	132,778
47 Mucilage, paste, and other adhesives, not elsewhere specified.	5	34	8	4	6	3	13	Au	14	Ja	12	13	8	5	166,610
48 Musical instruments and materials, not specified.	16	117	24	2	1	1	89	De	103	Je	84	104	78	23	107,130
49 Oil, not elsewhere specified.	24	544	21	39	48	25	411					104	78	23	89,534
50 Vegetable and composite oils.....	16	480	13	31	42	23	371	Ap	391	Se	335	422	418	4	6,399,358
51 Animal and mineral oils.....	8	64	8	8	6	2	40	Oc	48	Ja	25	377	374	3	5,927,683
52 Optical goods.....	26	375	183	18	36	12	127	De	133	My	123	135	125	10	471,675
53 Paints.....	41	915	17	87	15	80	716	Au	804	Ja	585	762	688	71	330,483
54 Paper and wood pulp.....	7	933	3	46	37	41	806	Au	932	Mh	688	831	801	33	7,051,672
55 Patent medicines and compounds.....	90	550	66	74	60	74	276					307	160	147	5,930,989
56 Patent and proprietary medicines.	49	323	38	36	26	48	175	No	185	Je	166	192	160	112	1,914,287
57 Patent and proprietary compounds.	41	227	28	38	34	26	101	Ja	141	Se	85	115	80	35	1,095,443
58 Paving materials.....	26	521	13	37	18	8	445	No	592	Fe	346	557	556	1	818,844
59 Perfumery and cosmetics.....	32	162	32	18	9	24	79	No	86	Ja	63	106	39	67	3,963,798
60 Petroleum, refining.....	45	6,530	1	400	782	215	5,132	Oc	5,606	Ap	4,737	5,561	5,451	113	372,393
61 Photo-engraving.....	26	242	31	18	21	13	159	No	174	Ja	137	175	171	1	84,015,443
62 Photographic apparatus.....	6	30	7	2	1	20	20	Jy	21	Ja	19	22	20	2	338,039
63 Photographic materials.....	31	1,498	27	86	424	137	824	(*)	10	(*)	10	989	894	94	113,107
64 Motion-picture films, not exposed.	3	16	4	-----	2	-----	10	(*)	10	(*)	10	10	8	2	2,769,943
65 Motion-picture projection films.	12	1,372	6	77	412	109	768	Oc	1,061	Fe	597	922	847	75	14,330
66 All other.....	16	110	17	9	12	26	46	De	53	Fe	43	57	39	17	2,610,286

\*Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

\*Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	

## THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
11,267	13,971	82,500		4,761	2,450	396,511	1,942	557,913	159,460	21					21	1	
18,182	16,377	43,106	600	9,683	1,597	269,252	6,989	449,532	173,291	184	5				179	2	
13,771	12,162	23,132	600	5,476	1,069	190,340	6,513	302,074	105,221	164	5				169	3	
4,411	4,215	19,974		4,207	528	78,912	476	147,458	68,070	20					20	4	
370,238	158,515	1,955,056	5,763	41,966	269,748	846,072	1,354,723	7,112,470	4,910,775	32,113	9,039	475	1,784	155	20,660	4,459	5
30,106	9,468	105,344	1,082	9,219	7,852	207,166	1,895	413,659	204,598	137					137	6	
2,400	1,287	23,675	650	4,787	935	23,230	379	63,227	39,618	14					14	7	
27,708	8,181	81,669	432	4,432	6,917	133,936	1,616	350,432	164,980	123					123	8	
394,369	350,137	6,358,704	6,332		251,548	8,145,662	1,362,873	18,191,989	8,683,454	22,838	3,381				19,457	9	
30,040	3,014	71,229		3,330	19,224	305,871	8,506	513,531	199,154	281					281	10	
80,496	23,355	335,033		3,006	21,665	743,823	91,932	1,511,163	675,408	375	125		25		225	8	11
17,100	6,530	207,897	1,882	28,415	2,045	170,461	16,500	668,707	481,746	358			12		346	12	
166,138	100,633	935,868		8,037	223,542	1,988,227	24,953	5,024,137	3,010,957	1,360					1,360	13	
2,040	12,169	37,431		1,260	680	25,164	1,375	118,989	92,450	32					32	14	
88,074	95,040	951,829	33,726	57,217	22,554	837,964	18,095	2,555,291	1,699,232	648					648	15	
171,938	152,466	496,284	15,677	16,248	62,187	1,508,303	10,836	2,878,226	1,361,087	267					267	16	
21,453	11,114	102,294	5,776	4,165	3,926	216,104	3,564	537,320	317,652	179					179	17	
21,453	8,948	88,792		3,000	2,131	193,528	3,137	462,000	265,335	157					157	18	
	2,166	13,502	5,776	1,165	22,576	427	75,320	52,317	22						22	19	
	2,802	45,196	420	5,947	1,377	18,167	773	111,087	92,147	31					31	20	
28,196	21,438	137,102	50	15,036	2,164	330,950	1,916	670,927	347,061	58					58	21	
331,557	204,589	1,896,537			411,555	16,250,563	221,132	21,416,302	4,944,607	5,714	1,828	50			3,836	364	22
22,835	15,811	169,897			12,681	146,344	134,855	564,152	282,953	345	235				110	5	23
117,740	32,314	329,032			72,980	2,222,951	219,839	3,968,431	1,525,641	5,960	450		4		5,615	260	24
398,461	274,787	1,543,908		404,812	1,885,889	2,891,635	333,144	11,419,385	8,194,006	8,452	4,930	100	25		3,397	197	25
198,269	45,550	575,753	2,250	45,622	2,167,903	3,850,683	63,819	9,141,529	5,227,027	4,310			529		3,269	26	26
210,658	259,255	960,111		25,895	326,102	1,849,067	18,082	4,583,473	2,716,324	1,413	482				1,403	93	27
34,816	31,892	204,523	6,566	30,185	4,271	241,121	3,692	706,538	461,725	122					122	28	
2,762	3,817	3,283		1,566	653	14,112	186	37,296	22,998	20					20	29	
1,266,958	993,470	22,848,743	506,979	58,008	1,278,546	10,211,565	327,625	47,310,762	36,771,672	68,842	52,658	11,102	1,238	570	3,274	16,587	30
819,007	693,074	7,935,119	22,721	138,434	309,995	27,594,366	321,823	42,832,201	14,616,012	34,246	13,184	590	227	45	20,200	1,000	31
115,312	67,910	732,036	37,304	26,830	30,252	1,011,778	48,771	2,829,544	1,768,995	3,876	291		58	157	3,370	35	32
27,236	16,761	261,047	34,044	16,053	7,697	389,701	18,832	1,129,906	721,373	975			58	7	910	33	33
88,076	51,149	470,989	3,260	10,777	22,555	622,077	29,939	1,699,638	1,047,622	2,901	291			150	2,460	35	34
186,524	96,468	664,653	2,019	33,223	48,839	2,467,605	18,148	4,156,514	1,670,761	1,170					1,170	35	35
117,296	158,553	764,023	3,400	96,569	34,655	2,103,047	13,866	3,901,950	1,785,037	188					188	36	36
16,950	19,890	85,111	1,806	9,396	23,042	262,475	678	454,974	191,821	74					74	37	37
64,306	108,315	465,757	1,100	55,073	6,831	1,899,722	7,760	2,522,753	1,115,271	70					70	38	38
28,810	20,886	103,463	459	6,798	3,784	273,396	1,234	499,336	224,706	22					22	39	39
7,230	9,462	109,692	35	25,302	998	167,454	4,194	424,887	253,239	72					72	40	40
95,296	84,462	547,387	1,880	38,589	90,327	1,665,723	47,465	3,517,965	1,804,717	1,617	256		130	15	1,216	41	41
84,886	76,655	458,064	1,880	33,022	74,382	1,284,619	34,492	2,761,955	1,442,844	1,031	46		89	15	881	1	42
10,410	7,807	89,323		5,567	15,945	381,104	12,973	755,950	361,873	586	210		41		335	43	43
35,680	23,894	285,845	22,720	1,515	6,537	152,163	46,783	606,729	407,783	2,562	240		340	125	1,857	44	44
6,219	2,118	76,598		6,960	12,166	195,342	4,693	361,010	160,975	111					111	45	45
17,520	4,820	225,315	770	19,923	68,615	109,299	6,725	525,466	400,442	333					333	46	46
11,655	5,250	12,937	2,968	2,575	915	87,716	1,072	162,629	73,841	34	10				24	47	47
4,000	1,900	94,677	8,392	5,238	372	69,773	2,515	222,236	149,948	96					96	48	48
141,094	104,876	589,061	250	18,918	361,543	13,875,248	93,885	16,777,588	2,808,255	2,418	397		36	4	1,981	49	49
118,144	95,692	494,929	250	14,611	349,224	13,707,479	85,118	16,341,465	2,548,868	2,014	27		12	4	1,971	50	50
22,950	9,184	94,132		4,307	12,319	167,769	8,707	435,923	259,387	404	370		24		10	51	51
45,419	41,174	139,781	385	19,869	6,365	177,078	2,994	550,234	370,162	85					85	52	52
294,872	307,088	900,199	500,000	38,691	446,904	7,310,948	78,921	11,433,002	4,044,023	3,717	350		29		3,338	53	53
142,929	105,614	923,418		800	262,504	2,898,742	508,838	5,805,169	2,397,619	16,275	2,610	900		5,721	7,014	1,006	54
159,076	142,389	246,108	2,409	41,222	109,784	985,566	14,990	2,382,734	1,382,169	597	132		2		463	55	55
82,125	82,418	147,068	1,223	26,349	98,389	515,861	4,255	1,335,077	814,961	96	8				88	56	56
77,551	59,971	99,040	1,186	14,873	11,395	469,705	10,744	1,047,657	567,208	501	124		2		375	57	57
125,752	39,684	533,430	4,571	30,197	39,525	592,379	146,579	1,841,184	1,102,226	11,497	763		347		10,287	40	58
28,770	27,671	79,774	500	18,502	3,961	240,190	2,486	580,901	338,225	31					31	59	59
1,436,958	1,428,619	8,179,397	644,530	17,667	9,338,806	136,823,769	5,052,876	213,292,194	71,415,549	60,307	26,221	381	12,939	130	20,036	1,973	60
62,080	54,153	247,976	3,603	20,978	7,511	175,480	9,083	809,368	624,805	164					164	61	61
	2,476	31,505		2,881	429	17,104	577	90,295	72,614	17					17	62	62
562,188	1,145,729	1,245,769	5,664	121,625	46,957	4,121,558	32,343	9,672,140	5,518,245	704					704	63	63
	1,600	12,086	2,500	3,636	80	40,210	605	69,008	28,193	8					8	64	64
541,063	1,069,206	1,181,136		106,784	43,732	3,952,261	29,500	9,207,849	5,226,088	617					617	65	65
21,126	54,923	52,547	3,164	11,205	3,145	129,087	2,238	395,289	263,964	139					139	66	66

<sup>3</sup> Same number reported for one or more other months.<sup>4</sup> Same number reported throughout the year.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

## THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																		Dollars.
1	Pickles, preserves, and sauces.....	84	2,133	80	110	155	69	1,719			2,639	1,012	1,619	4	4			7,630,865
2	Preserves.....	32	1,062	25	50	83	39	865	Jy 1,275	Ap 549	1,107	453	653	1				3,897,082
3	Pickles and sauces.....	52	1,071	55	60	72	30	854	Oc 1,460	Ap 385	1,532	559	966	3	4			3,733,783
4	Plumbers' supplies, not elsewhere specified.....	7	187	4	9	1	3	170	Je 175	Ap 168	169	168	1					229,333
5	Pocketbooks.....	3	6	3				3	(*) 3	(*) 3	3	3						14,400
6	Pottery.....	10	339	9	18	8		206	(*) 78	Je 67	321	307	13	1				746,469
7	Barthen and stone ware.....	4	84	6	4	1	2	71	De 78	Je 67	78	77						155,172
8	All other.....	6	255	3	14	7	6	225	De 245	Je 194	213	230	13					591,297
9	Printing and publishing, book and job.....	661	5,535	708	320	363	326	3,818			4,151	3,035	1,047	60	9			13,287,543
10	Job printing.....	616	5,025	663	274	281	253	3,554	De 3,884	Ja 3,329	3,870	2,846	965	53	6			10,791,628
11	Book publishing and printing.....	25	347	15	38	78	66	150	Je 162	Ja 129	163	91	64	5	3			2,116,092
12	Linotype work and typesetting.....	20	163	30	8	4	7	114	No 130	Ja 102	118	98	18	2				379,823
13	Printing and publishing, music.....	4	8	3				5	(*) 5	(*) 5	5	5						6,806
14	Printing and publishing, newspapers and periodicals.....	764	10,028	691	601	2,589	1,377	4,770			5,061	4,371	330	360				23,729,018
15	Printing and publishing.....	55	3,969	35	135	1,537	446	1,816	No 2,048	Ap 1,680	1,956	1,832	68	56				11,224,105
16	Printing, publishing, and job printing.....	500	5,292	514	290	900	692	2,896	De 3,053	Fe 2,781	3,048	2,496	254	298				11,349,486
17	Publishing without printing.....	209	767	142	176	152	239	58	Je 61	Ja 56	57	43	8	6				1,155,427
18	Pumps, not including power pumps.....	10	105	8	13	9	5	70	De 120	Ja 44	122	122						371,841
19	Pumps, steam and other power.....	11	556	5	50	65	30	406	Au 508	Mh 314	501	501						2,565,448
20	Refrigerators.....	8	106	10	7	9	6	74	Mh 100	Ja 61	74	74						295,277
21	Rice, cleaning and polishing.....	14	449	15	36	37	24	337	Ja 621	Se 141	585	577	7	1				4,329,485
22	Roofing materials.....	9	703	7	25	105	60	506	De 661	Mh 392	661	599	62					4,665,088
23	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	20	752	10	71	66	92	513	No 588	Ja 427	627	555	72					5,315,252
24	Saddlery and harness.....	37	232	34	16	41	11	130	Ja 165	Au 122	159	151	8					937,716
25	Salt.....	24	510	20	37	25	12	446	No 509	Fe 393	482	434	43	2	3			4,068,367
26	Sausage, not made in slaughtering and meat-packing establishments.....	39	266	60	4	20	8	174			214	184	30					519,893
27	Sausage.....	32	194	52	2	17	4	119	De 134	Mh 106	134	123	11					343,477
28	Sausage casings.....	7	72	8	2	3	4	55	De 61	Ap 51	80	61	19					176,416
29	Screws, machine.....	4	29	5				22	De 26	Mh 19	26	23	3					38,247
30	Shipbuilding, steel.....	18	48,098	3	421	1,139	483	46,052			42,965	42,925	40					108,798,311
31	New vessels.....	11	47,598		395	1,121	481	45,001	My 60,000	No 12,350	42,459	42,420	39					107,523,342
32	Repair work.....	7	500	3	26	18	2	451	Ja 714	Au 350	506	505	1					1,274,969
33	Shipbuilding, wooden, including boat building.....	49	1,616	55	36	30	17	1,478			1,502	1,501	1					4,242,372
34	New vessels.....	20	1,136	21	23	16	12	1,064	Mh 1,395	De 436	1,179	1,179						2,639,298
35	Repair work.....	11	396	14	10	11	5	350	Ja 581	No 74	251	250	1					1,440,313
36	Small boats, and masts, spars, oars, and rigging.....	13	84	20	3	3		58	De 69	Oc 50	72	72						162,761
37	Shirts.....	18	603	10	25	30	8	530	De 655	Mh 454	643	55	586	2				1,185,915
38	Show cases.....	12	124	16	7	4	3	94	No 106	Ja 73	110	110						236,256
39	Signs and advertising novelties.....	32	343	30	28	35	11	239			245	199	46					395,733
40	Electric signs.....	6	89	3	10	13	3	60	De 75	Ja 48	71	71						150,182
41	Signs, other than electric, and advertising novelties.....	26	254	27	18	22	8	179	Au 196	Mh 159	174	128	46					236,551
42	Slaughtering and meat packing.....	91	4,518	75	131	754	153	3,405	Mh 3,545	Jy 3,271	3,547	3,334	209	4				30,743,107
43	Smelting, copper.....	3	355		27	26	13	289	Ja 602	Se 127	217	217						6,138,439
44	Soap.....	27	819	21	35	125	30	608	No 645	My 524	621	479	142					6,968,144
45	Sporting and athletic goods.....	6	23	5	1		2	15	Mh 16	Ja 14	14	8	6					32,333
46	Springs, steel, car and carriage, not made in steel works or rolling mills.....	10	205	4	23	16	11	151	Se 171	Ja 111	182	116	46					556,187
47	Stamped and enameled ware, not elsewhere specified.....	8	293	4	16	6	13	254	Se 332	Fe 191	331	310	19	2				695,787
48	Statuary and art goods.....	24	104	39	8	2	1	54	De 89	Ja 42	77	64	11	1				92,129
49	Steam fittings and steam and hot-water heating apparatus.....	7	96	3	13	28	8	44	No 77	Mh 30	59	58		1				355,087
50	Steam packing.....	8	238		27	26	14	171	Se 187	Ja 153	190	173	17					2,438,301
51	Stereotyping and electrotyping.....	4	93	3	3	2	5	80	Se 86	Fe 74	84	63	21					131,358
52	Stoves and hot-air furnaces.....	15	441	13	27	51	18	332			404	394	10					1,187,064
53	Stoves and ranges.....	11	401	7	27	46	15	306	De 369	Ja 251	369	359	10					1,093,563
54	Hot-air furnaces.....	4	40	6		5	3	26	No 37	Ja 12	35	35						93,496
55	Stoves, gas and oil.....	27	207	34	14	14	7	138	De 171	Mh 115	156	155	1					446,181
56	Structural ironwork, not made in steel works or rolling mills.....	58	984	49	85	32	26	742	De 893	My 629	923	920	1	2				3,813,434
57	Sugar, beet.....	10	1,896		92	203	89	1,512	Oc 3,654	Fe 552	3,715	3,631	83	1				45,839,036
58	Sulphuric, nitric, and mixed acids.....	4	708		40	63	29	576	Fe 670	No 494	498	497	1					6,183,172
59	Surgical appliances.....	18	70	20	3	4	4	39	Jy 44	Ja 29	41	22	18	1				84,481
60	Theatrical scenery.....	3	38	1	6		6	25	Ap 29	Jy 21	28	27	1					101,740
61	Tinware, not elsewhere specified.....	16	3,314	13	65	195	126	2,915	Au 3,926	My 2,378	2,959	2,081	878					27,385,995
62	Tobacco, cigars and cigarettes.....	244	2,267	291	46	214	39	1,677	De 1,939	Ja 1,486	1,952	1,045	887	20				6,724,848
63	Tools, not elsewhere specified.....	20	140	22	10	3	4	101			123	121		1				281,088
64	Machinists' tools.....	8	43	7	3	1	2	30	Se 39	Ja 22	41	39		1				65,936
65	All other.....	12	97	15	7	2	2	71	De 81	Ja 56	82	82						215,152
66	Toys and games.....	13	118	23		1	1	93	Au 105	Ja 71	106	46	60					100,116
67	Trunks and valises.....	45	439	53	22	20	8	336	De 410	My 238	410	329	81					899,823
68	Varnishes.....	5	42	6	4	7	4	21	De 28	Ja 12	28	23	5					143,808
69	Vinegar and cider.....	12	128	13	10	2	6	97	No 206	My 47	153	138	6	9				431,031
70	Wall plaster and composition flooring.....	13	268	2	26	21	9	210	De 266	Fe 170	266	265	1					722,933
71	Window and door screens.....	11	85	10	5	8	2	60	De 87	Ja 36	78	78						203,290
72	Window shades and fixtures.....	35	172	31	23	12	10	96	Se 115	Fe 76	116	91	24	1				613,522

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



[illegible]

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.										
308,223	380,163	1,379,694	210	45,929	261,702	7,206,289	100,199	11,940,150	4,533,662	2,148	708	16	1,654	1	2					
136,780	207,758	723,665	206	27,329	195,179	4,387,063	49,161	6,936,774	2,500,560	141	473		498	1	2					
171,443	178,405	656,329	4	18,600	66,623	2,819,236	51,038	4,903,376	2,033,102	1,447	275	16	1,156	3	4					
26,900	5,104	248,525		766	5,106	352,977	45,373	696,386	298,036	430			430	1	8					
49,159	27,723	338,996		924	26	3,928	131	10,709	6,650	1					5					
7,550	4,550	92,186		1,050	5,939	180,613	77,063	849,243	590,967	547	40		507	6	7					
41,609	23,173	246,810		1,050	2,455	25,787	27,443	213,114	159,884	118	40		78	7	8					
850,510	829,882	4,387,233	586,228	426,277	3,484	154,820	50,220	636,129	431,083	429	75		429	8	9					
					228,834	7,663,580	114,750	19,871,377	12,093,047	4,368		19	4,274	1	9					
747,449	655,445	4,084,050	328,395	400,441	211,818	7,419,914	103,245	18,223,774	10,700,615	4,050		19	4,040	1	10					
92,385	164,171	136,655	257,445	17,651	15,016	189,434	4,722	1,253,676	1,059,520	260	75		194	11	12					
10,676	10,266	166,518	388	8,185	2,500	54,232	6,783	393,927	332,912	40			40	12	13					
	180	7,200	19,234	1,790	158	11,036	180	60,246	49,030	7			7	13	14					
1,775,903	4,485,486	5,922,936	1,127,546	484,628	515,475	9,446,055	230,082	34,342,983	24,665,946	8,373	445	81	34	7,813	400	14				
691,941	2,719,118	2,374,867	42,080	194,057	338,200	5,450,621	94,991	17,155,312	11,609,700	4,422	445	6	3,971	400	15					
706,119	1,457,953	3,483,072	108,119	234,509	170,437	3,724,789	133,203	14,341,696	10,483,704	3,929		75	3,820		16					
287,843	308,415	64,457	977,337	56,000	6,538	271,545	1,868	2,845,955	2,572,542	22				22	17					
30,566	15,958	98,383	3,355	5,752	2,196	216,307	2,880	496,783	217,586	343				343	18					
185,165	175,098	590,990	3,798	11,683	126,473	1,497,104	15,673	3,419,281	1,906,504	1,247		35	1,212	19	20					
18,573	12,821	112,870	2,147	2,552	3,713	294,432	1,615	501,213	205,166	113				113	20					
139,941	100,680	499,743		110,485	357,460	17,094,9														

<sup>8</sup> Same number reported for one or more other months

\* Same number reported throughout the year.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

## THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																	Dollars.
1	Wirework, including wire rope and cable, not elsewhere specified.	26	452	34	25	57	16	320			336	325	8	3			3,149,752
2	Wire rope, cable, and woven-wire fencing.	4	263	2	18	41	10	192	Ja	267	Oc	125	207	207			2,803,825
3	All other.	22	189	32	7	16	6	128	Oc	140	My	119	129	118	8	3	345,926
4	Wood, turned and carved.	17	70	19	2	1	1	47	De	59	Fe	36	58	53	5		121,355
5	Wooden goods, not elsewhere specified.	10	95	19	3		2	71	De	88	Fe	58	97	82	8	7	107,537
6	Wool scouring.	3	96	1	6		3	86	Au	108	Mh	28	90	56	34		198,492
7	All other industries*.	152	9,639	113	370	551	252	8,353									80,962,974

* All other industries embrace—	Cardboard, not made in paper mills.	1	Dyeing and finishing textiles, exclusive of that done in textile mills.	2	Gold, leaf and foil.	2
Aeroplanes, seaplanes, and airships, and parts.	Carriage and wagon materials.	3	Dyestuffs and extracts—natural.	2	Hats, straw.	1
Aluminum manufactures.	Carriages and sleds, children's.	1	Emery and other abrasive wheels.	1	Hats, wool-felt.	2
Artists' materials.	Cars, steam-railroad, not including operations of railroad companies.	4	Envelopes.	4	Ink, printing.	3
Asbestos, textile mill products, not including steam packing.	Cash registers and calculating machines.	5	Felt goods.	1	Ink, writing.	4
Bags, paper, exclusive of those made in paper mills.	Charcoal, not including production in the lumber and wood distillation industries.	1	Ferrolloys.	2	Iron and steel, cast-iron pipe.	1
Belted, rubber.	Coal-tar products.	1	Fireworks.	1	Iron and steel, doors and shutters.	1
Billiard tables and accessories.	Cordage and twine.	1	Flax and hemp, dressed.	1	Japanning.	2
Boot and shoe findings.	Corsets.	1	Foundry supplies.	1	Jewelry and instrument cases.	2
Canning and preserving, oysters.	Cotton goods.	1	Furs, dressed.	1	Jute goods.	1
Card cutting and designing.		1	Gloves and mittens, cloth, not including gloves made in textile mills.	2	Labels and tags.	1
		1	Glue, not elsewhere specified.	2	Lead, bar, pipe, and sheet.	1
		1			Machine tools.	2

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	BERKELEY—All industries...	113	2,956	94	146	271	126	2,319	Au	2,835	Mh	1,905	2,823	2,279	476	46	22	16,564,469
2	Automobile repairing.....	3	7	3				4	(3)	4	(3)	4	4	4				9,050
3	Bread and other bakery products...	23	152	1	4	2	13	132	De	137	Ja	128	134	95	39			311,702
4	Chemicals.....	4	134	1	6	8	12	107	Se	112	Ja	101	108	98	10			1,236,928
5	Foundry and machine-shop products.	8	231	4	16	35	4	172	Au	245	De	76	236	234	2			888,389
6	Patent medicines and compounds..	3	10	1	2		1	6	Se	7	Ja	5	8	2	6			30,648
7	Pickles, preserves, and sauces.....	4	28	6		1	1	20	My	58	Fe	8	15	8	7			54,182
8	Printing and publishing, book and job.	13	77	12	5		3	57	Oc	63	De	50	52	37	13	2		181,577
9	Printing and publishing, newspapers and periodicals.	7	55	1	11	12	5	26					27	26	1			107,015
10	Printing, publishing, and job printing.	3	51	1	7	12	5	26	Ja	27	Jy	22	27	26	1			93,843
11	Publishing without printing.....	4	4		4													13,172
12	All other industries*.....	48	2,262	65	102	213	87	1,795					2,239	1,775	398	44	22	13,744,978

*All other industries embrace—	Canning and preserving, fruits.	1	Engines, steam, gas, and water.	1	Furniture, wood, other than rattan and willow.	2
Aeroplanes, seaplanes, and airships, and parts.	Carpets, rag.	1	Fancy articles, not elsewhere specified.	1	Glass, cutting, staining, and ornamenting.	1
Agricultural implements.	Confectionery.	2	Fertilizers.	1	Ink, printing.	1
Automobile bodies and parts.	Copper, tin, and sheet-iron work.	2	Food preparations, macaroni, vermicelli, and noodles.	1	Instruments, professional and scientific.	1
Bookbinding and blank-book making.	Druggists' preparations.	1	Fur goods.	1		
Brick and terra-cotta products.	Electrical machinery, apparatus, and supplies.	1				

1	LONG BEACH—All industries.	128	4,242	124	128	135	85	3,760	Mh	4,646	Oc	2,339	3,176	2,595	581			5,377,096
2	Automobile bodies and parts.	7	89	5	2		1	81	De	93	Ja	65	93	91	2			66,163
3	Automobile repairing.	30	167	35	5	5	2	120	Oc	131	Ja	112	123	123				191,263
4	Bread and other bakery products.	13	96	19	1		1	75	Au	78	Ap	72	78	51	27			153,103
5	Canning and preserving, fish.	6	260		28	5	6	227	Jy	406	No	68	281	72	209			1,163,933
6	Clothing, women's.	3	25	5			1	19	Oc	40	Ja	9	31	3	28			30,057
7	Confectionery and ice cream.	4	44	4	3	2		35	Jy	54	Ja	17	48	26	22			94,260
8	Copper, tin, and sheet-iron work.	5	26	7			1	19	No	28	Fe	10	26	26				22,182
9	Foundry and machine-shop products.	4	35	4	2	1	1	27	Ap	33	No	17	36	36				176,604
10	Lumber, planing-mill products, not including planing mills connected with sawmills.	8	93	4	5	3	3	78	De	95	Ja	60	93	87	6			240,850
11	Printing and publishing, book and job.	15	38	18	3	1	1	15	Oc	18	Ja	12	17	16	1			85,889
12	All other industries*.	33	3,363	23	79	119	69	3,073					2,350	2,064	286			3,152,792

*All other industries embrace—	Artificial stone products.	2	Brick, building.	1	Electrical machinery, apparatus, and supplies.	1	Furniture, wood, other than rattan and willow.	2
Awings, tents, and sails.	Chemicals.	1	Coffee, roasting and grinding.	1	Fancy articles, head work.	1	Hats, wool-felt.	1
Bookbinding and blank-book making.		1			Flour-mill and gristmill products.	1	Ice.	1

\* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

\* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal combustion engines.	Water power. <sup>1</sup>	

## THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

<i>Dollars.</i> 112,904	<i>Dollars.</i> 108,681	<i>Dollars.</i> 408,769	<i>Dollars.</i> 510	<i>Dollars.</i> 13,298	<i>Dollars.</i> 164,170	<i>Dollars.</i> 2,933,542	<i>Dollars.</i> 33,243	<i>Dollars.</i> 4,859,839	<i>Dollars.</i> 1,893,054	1,828					1,828	1	
84,204	85,714	273,494	-----	1,380	139,170	2,050,658	25,610	4,259,194	1,582,026	1,602					1,602	2	
28,700	22,967	135,275	510	11,918	25,000	282,884	7,633	600,645	310,128	226					226	3	
3,600	1,263	59,623	1,412	4,870	623	60,838	3,498	201,704	137,368	160					160	4	
2,332	830	58,266	-----	3,125	733	94,903	1,868	181,850	85,079	180		6			174	5	
12,985	3,575	86,659	4,603	9,270	1,460	94,171	17,428	268,359	156,760	391	275				116	6	
1,272,436	1,264,182	9,461,620	104,953	110,734	1,718,376	153,326,852	2,041,192	182,064,960	26,696,916	26,945	2,220	7,790	114	29	16,792	11,592	7

Malt.....	2	Phonographs and graphophones.....	2	Smelting and refining, antimony.....	1	Typewriter supplies, ribbon.....	2
Matches.....	2	Plated ware, knives, forks, spoons, and other flat ware.....	1	Smelting and refining, lead.....	1	Umbrellas and canes.....	1
Musical instruments, organs.....	3	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	2	Smelting and refining, not from the ore.....	3	Upholstering materials, not elsewhere specified.....	2
Musical instruments, piano materials.....	2	Printing materials.....	1	Soda-water apparatus.....	3	Vault lights and ventilators.....	2
Nets and seines.....	1	Regalia and society badges and emblems.....	2	Stationary goods, not elsewhere specified.....	2	Washing machines and clothes wringers.....	3
Oakum.....	2	Safes and vaults.....	2	Steel barrels, drums, and tanks.....	1	Waste.....	2
Oil and cake, cottonseed.....	4	Saws.....	2	Stencils and brands.....	1	Wood preserving.....	1
Oil, essential.....	1	Scales and balances.....	2	Sugar, refining, not including beet sugar.....	2	Wool pulling.....	2
Oleomargarine and other butter substitutes.....	3	Silk goods.....	1	Tin plate and terneplate.....	1	Woolen goods.....	2
Paper goods, not elsewhere specified.....	3	Silversmithing and silverware.....	3	Tobacco, smoking.....	1		
Peanuts, grading, roasting, cleaning, and shelling.....	1			Type founding.....	1		
Pens, fountain and stylographic.....	1						

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

598,273	560,485	2,693,653	70,453	59,818	757,750	19,161,265	330,428	28,331,212	8,839,519	7,506	560				6,946	1
		4,620		125	68	3,601	432	13,256	9,223	13					13	2
11,200	12,696	203,420	2,690	16,893	3,758	811,644	18,353	1,212,840	382,843	141					141	3
15,488	29,274	102,000			40,975	664,910	59,791	1,168,263	443,562	488	115				373	4
59,008	37,792	236,671		5,893	64,924	558,725	14,959	1,020,280	455,596	416					416	5
3,600	1,200	3,249		600	600	18,140	71	33,096	14,885	1					1	6
	809	10,257		596	183	66,355	1,400	98,658	30,903	14					14	7
9,775	3,475	80,087	13,050	2,948	1,453	82,791	2,347	257,036	171,897	54					54	8
26,100	20,572	51,591	41,377	3,278	2,454	35,800	1,568	214,987	177,619	29					29	9
18,850	20,572	51,591	877	3,278	2,454	35,800	1,568	162,347	124,979	29					29	10
7,250			40,500					52,640	52,640							11
476,102	454,667	2,001,758	13,336	29,485	643,335	16,919,299	231,506	24,303,796	7,152,991	6,350	445				5,905	12

Knit goods.....	2	Mattresses and spring beds, not elsewhere specified.....	1	Oil, vegetable and composite.....	2	Structural ironwork, not made in steel works or rolling mills.....	1
Leather, tanned, curried, and finished.....	1	Mineral and soda waters, fruit beverages.....	1	Perfumery and cosmetics.....	1	Tobacco, cigars.....	2
Lumber, planing-mill products, not including planing mills connected with sawmills.....	4	Musical instruments and materials, not specified.....	1	Pottery.....	1	Window shades and fixtures.....	1
		Musical instruments, organs.....	2	Pumps, steam.....	1	Wooden goods, not elsewhere specified.....	1
				Soap.....	2		

483,806	254,518	4,682,950	4,420	94,384	149,765	5,841,417	232,912	14,382,769	8,303,440	5,140	355		2		4,783	1
3,680	1,040	96,551		7,904	3,681	107,340	1,055	259,009	150,014	55					55	2
10,785	8,369	172,477		24,022	1,652	109,179	6,383	479,069	303,507	161					161	3
2,400	624	90,435		9,768	777	354,904	6,429	555,065	193,732	44					44	4
96,983	19,719	147,255		4,820	17,297	850,856	30,265	1,183,597	302,456	946	260				686	5
	495	15,679		425	9	39,283	240	60,370	20,847	9					9	6
4,950	2,600	31,299		1,735	0,173	81,222	7,461	143,686	55,003	60	45				15	7
		23,188		2,964	74	43,721	218	95,318	51,379	3					3	8
4,990	2,728	40,773		750	840	37,220	6,737	94,420	50,463	99					99	9
7,925	9,430	96,548		2,550	3,701	282,193	9,312	487,521	196,016	572					572	10
1,975	4,272	21,316	2,930	6,215	374	43,748	717	130,945	86,480	36					36	11
350,118	205,341	3,942,431	1,490	33,531	115,187	3,831,751	163,475	10,893,769	6,898,543	3,155	50		2		3,103	12

Jewelry.....	2	Printing and publishing, newspapers and periodicals.....	2	Shipbuilding, wooden, small boats..	1	Washing machines and clothes wringers.....	1
Looking-glass and picture frames.....	1	Salt.....	1	Tobacco, cigars.....	1	Woolen goods.....	1
Optical goods.....	1	Shipbuilding, steel, new vessels.....	1	Tools, not elsewhere specified.....	1		
Paints.....	1			Trunks and valises.....	1		
Pickles and sauces.....	3						

<sup>2</sup> Same number reported throughout the year.<sup>4</sup> Same number reported for one or more other months.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	LOS ANGELES—All industries	2,540	59,157	2,514	2,346	4,902	2,277	47,118	De	49,222	Je	44,152	52,154	41,094	10,897	113	50	Dollars.
2	Artificial limbs.....	4	20	4	.....	.....	2	14	(s)	14	(s)	14	15	12	3	.....	.....	24,301
3	Artificial stone products.....	15	116	15	7	.....	4	88	No	124	Ja	65	102	99	3	.....	.....	351,450
4	Automobile bodies and parts.....	104	1,274	109	73	48	42	1,002	De	1,148	Ja	829	1,196	1,151	43	2	.....	1,926,788
5	Automobiles.....	4	427	2	27	44	15	339	No	386	Fe	270	380	379	1	.....	.....	1,842,892
6	Automobile repairing.....	280	1,820	337	49	43	45	1,346	De	1,479	Ja	1,217	1,467	1,457	.....	10	.....	1,972,513
7	Awnings, tents, and sails.....	13	140	11	6	5	5	113	Je	146	Ja	67	129	62	66	1	.....	446,768
8	Bookbinding and blank-book making.....	11	297	13	16	38	24	206	De	247	Ja	169	247	126	121	.....	.....	492,708
9	Boots and shoes.....	3	132	2	8	13	3	106	De	130	Fe	68	130	63	67	.....	.....	191,261
10	Boxes, set-up paper boxes and shipping containers.....	7	497	2	25	17	10	443	No	655	Ap	328	603	249	352	2	.....	1,256,760
11	Boxes, wooden packing, except cigar boxes.....	8	264	10	12	8	6	228	De	273	Ja	205	259	243	16	.....	.....	855,610
12	Brass, bronze, and copper products.....	17	240	12	14	.....	4	202	Fe	223	No	177	203	202	1	.....	.....	548,054
13	Bread and other bakery products.....	170	1,812	133	71	283	96	1,179	De	1,268	Ja	1,135	1,273	970	299	4	.....	3,631,191
14	Brick and tile, terra-cotta, and fire-clay products.....	11	638	4	33	23	17	561	.....	.....	.....	.....	770	731	39	.....	.....	2,760,725
15	Building brick.....	3	172	.....	12	3	3	154	De	300	Ja	68	300	300	.....	.....	.....	609,296
16	Terra-cotta products.....	4	322	1	13	14	9	285	De	335	Fe	245	315	276	39	.....	.....	946,777
17	All other.....	4	144	3	8	6	5	122	Au	150	Oc	81	155	155	.....	.....	.....	1,204,632
18	Brooms, from broom corn.....	3	35	2	.....	4	.....	29	Oc	31	Ja	27	31	31	.....	.....	.....	71,960
19	Canning and preserving, fish.....	17	1,069	.....	61	37	16	955	Ja	1,441	Ap	290	860	292	568	.....	.....	3,743,041
20	Canning and preserving, fruits and vegetables.....	24	1,305	20	38	37	35	1,175	.....	.....	.....	.....	2,662	702	1,870	.....	.....	3,657,595
21	Canned fruits.....	16	750	17	23	19	14	677	Au	1,892	Ap	122	1,557	463	1,094	.....	.....	1,642,982
22	Canned vegetables.....	5	492	.....	10	14	20	448	Jy	904	Mh	72	992	296	606	.....	.....	1,940,503
23	Dried fruits and vegetables.....	3	63	3	5	4	1	50	Au	97	My	18	113	33	80	.....	.....	74,110
24	Carpets, rag.....	5	22	6	.....	.....	.....	15	(s)	15	(s)	15	15	15	.....	.....	.....	71,215
25	Carriages and wagons, repair work only.....	4	8	5	.....	.....	.....	3	(s)	3	(s)	3	4	4	.....	.....	.....	7,736
26	Cars and general shop construction and repairs by steam-railroad companies.....	4	4,415	.....	98	161	11	4,145	Ap	4,245	Ja	4,045	4,179	4,177	2	.....	.....	2,496,100
27	Chemicals.....	9	172	.....	14	26	19	113	Oc	164	Ap	83	123	121	2	.....	.....	1,257,073
28	Cleansing and polishing preparations.....	17	61	19	7	10	4	21	.....	.....	.....	.....	22	12	10	.....	.....	144,109
29	Cleansing preparations.....	8	40	11	4	6	4	15	Au	17	Je	13	15	9	6	.....	.....	108,530
30	Polishing preparations.....	9	21	8	3	4	.....	6	(s)	6	(s)	6	7	3	4	.....	.....	35,579
31	Clothing, men's.....	25	904	34	14	22	12	822	.....	.....	.....	.....	911	143	762	2	4	1,360,286
32	Regular factory products.....	14	826	17	13	22	12	756	.....	.....	.....	.....	825	115	704	2	4	1,374,882
33	Men's, youths', and boys'.....	7	105	9	6	16	2	72	Oc	108	Fe	34	113	61	62	.....	.....	233,731
34	All other.....	7	715	8	7	6	10	684	Oc	792	Ja	628	712	64	642	2	4	1,141,151
35	Contract work.....	11	84	17	1	.....	.....	66	De	87	Oc	5	86	28	58	.....	.....	5,404
36	Clothing, women's.....	30	2,270	108	70	94	60	1,938	.....	.....	.....	.....	2,217	334	1,877	1	5	3,826,059
37	Suits, skirts, and cloaks.....	30	829	45	11	17	15	441	Oc	592	Au	217	534	219	315	.....	.....	1,285,243
38	Shirt waists and dresses, except house dresses.....	28	1,308	33	27	52	30	1,166	Se	1,467	Ja	747	1,235	84	1,145	1	5	1,739,333
39	All other.....	22	433	30	32	25	15	331	De	457	Fe	232	448	31	417	.....	.....	801,483
40	Coffee, roasting and grinding.....	26	268	27	26	67	20	128	De	141	Je	119	139	65	74	.....	.....	1,043,721
41	Collars, burial cases, and undertakers' goods.....	5	103	3	6	6	4	84	No	95	My	76	90	80	10	.....	.....	490,293
42	Confectionery and ice cream.....	58	2,098	60	76	251	76	1,635	.....	.....	.....	.....	1,842	844	985	.....	13	4,848,200
43	Confectionery.....	48	1,550	53	56	153	62	1,326	No	1,705	Jy	1,111	1,518	801	904	.....	13	3,332,957
44	Ice cream.....	10	448	7	20	98	14	309	Au	372	Je	241	324	243	81	.....	.....	1,515,213
45	Copper, tin, and sheet-iron work.....	64	357	72	16	7	12	250	De	306	Mh	213	286	275	10	1	.....	641,479
46	Dairymen's, poultrymen's, and apiarists' supplies.....	7	60	5	5	5	4	50	No	63	Au	39	72	65	7	.....	.....	188,918
47	Dental goods.....	8	33	9	.....	1	1	22	Ja	24	Se	20	24	20	3	1	.....	17,390
48	Druggists' preparations.....	7	64	5	7	2	.....	50	My	53	Fe	46	51	22	29	.....	.....	71,156
49	Electrical machinery, apparatus, and supplies.....	29	369	27	30	18	26	268	No	321	Ap	225	312	294	17	1	.....	915,963
50	Electroplating.....	10	104	14	3	3	4	80	De	87	Ja	76	85	84	1	.....	.....	65,531
51	Enameling.....	3	7	3	.....	.....	.....	4	Je	8	Ja	1	7	7	.....	.....	.....	8,354
52	Engraving and die sinking.....	8	33	11	1	.....	.....	21	De	25	Ja	10	25	25	.....	.....	.....	20,459
53	Engraving, steel and copper plate, including plate printing.....	11	82	11	3	3	6	69	De	78	Ja	33	76	37	38	1	.....	123,340
54	Fancy articles, not elsewhere specified.....	14	142	18	1	3	4	116	.....	.....	.....	.....	122	46	76	.....	.....	103,533
55	Paper and wood novelties.....	4	48	6	1	.....	1	40	Fe	41	My	39	42	32	10	.....	.....	44,927
56	All other.....	10	94	12	.....	3	3	76	Jy	91	Fe	51	80	14	66	.....	.....	58,606
57	Feathers and plumes.....	3	37	2	2	2	1	30	De	44	Ja	18	29	5	19	2	3	31,259
58	Fertilizers.....	4	51	2	5	7	.....	37	Ja	44	Oc	31	42	42	.....	.....	.....	521,831
59	Flavoring extracts.....	5	18	3	2	2	3	8	De	10	Je	6	12	8	4	.....	.....	34,135
60	Flour-mill and gristmill products.....	9	624	.....	33	182	57	352	Se	399	Ap	299	386	366	19	1	.....	6,332,149
61	Food preparations, not elsewhere specified.....	35	407	40	21	33	13	300	.....	.....	.....	.....	489	129	359	.....	1	971,725
62	Breadstuff preparations, cereals, and breakfast foods.....	3	9	3	.....	.....	1	5	Ja	3	Jy	1	8	.....	8	.....	.....	5,786
63	Macaroni, vermicelli, and noodles.....	7	69	17	3	7	.....	42	No	48	Jy	37	45	32	12	.....	1	140,193
64	Peanut butter and sweetening sirups.....	3	7	2	1	1	1	2	(s)	2	(s)	2	3	1	2	.....	.....	9,503
65	All other food preparations—For human consumption.....	17	259	16	10	17	5	211	No	477	Je	79	394	57	337	.....	.....	331,188
66	For animals and fowls.....	5	63	2	7	8	6	40	Je	44	Ja	33	30	39	.....	.....	.....	485,055

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly water motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water-power. <sup>1</sup>	

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 7,635,225	Dollars. 8,913,977	Dollars. 55,110,578	Dollars. 2,938,299	Dollars. 2,083,245	Dollars. 4,695,372	Dollars. 155,182,571	Dollars. 4,636,860	Dollars. 278,184,143	Dollars. 118,364,712	97,282	15,017	420	1,017	.....	80,828	3,922	1
16,478	1,716	21,783	.....	3,702	111	10,228	337	49,062	38,497	15	.....	.....	.....	.....	15	.....	2
210,484	6,168	126,412	.....	5,569	2,991	129,332	2,656	356,683	224,695	178	.....	.....	38	.....	140	.....	3
73,746	78,177	1,335,202	75,089	124,807	50,818	1,970,157	25,316	4,654,877	2,659,404	1,052	.....	.....	20	.....	1,032	.....	4
97,975	90,457	1,761,981	105,008	244,466	34,094	2,392,167	50,722	5,783,026	3,340,137	1,569	.....	.....	48	.....	1,67	.....	5
18,271	16,991	108,189	175	8,605	36,606	568,478	1,148	831,157	261,531	65	.....	.....	12	.....	1,557	.....	6
49,909	78,160	186,019	780	13,563	13,137	319,540	4,050	820,581	502,985	156	.....	.....	.....	.....	156	.....	7
25,069	24,342	81,719	.....	5,220	2,863	201,981	1,715	392,949	189,253	58	.....	.....	.....	.....	58	.....	8
88,847	61,124	360,666	.....	13,133	24,808	1,017,486	6,918	1,762,666	738,262	402	.....	.....	.....	.....	402	.....	9
26,445	19,251	235,061	.....	9,209	12,344	727,080	4,552	1,200,051	468,419	1,003	250	.....	.....	.....	753	380	10
61,114	15,105	282,218	6,776	9,600	16,302	862,922	22,667	1,451,580	565,991	239	.....	.....	.....	.....	239	.....	11
195,607	508,715	1,324,745	1,655	98,957	97,569	6,785,091	151,545	10,492,324	3,555,778	1,162	105	.....	.....	.....	1,057	.....	12
77,245	50,240	541,853	10,045	1,290	30,505	394,731	247,530	1,618,924	976,603	2,761	1,225	.....	.....	.....	1,526	.....	13
21,450	6,369	141,600	.....	420	5,883	88,852	80,631	366,919	197,436	950	250	.....	.....	.....	700	.....	14
40,649	28,488	250,430	30	420	15,173	161,324	108,517	830,984	561,143	1,006	600	.....	.....	.....	406	.....	15
15,146	15,383	149,823	10,015	450	9,449	144,555	58,382	421,021	218,084	765	375	.....	.....	.....	420	.....	16
.....	2,080	40,703	.....	600	1,100	92,479	438	161,786	68,869	26	.....	.....	.....	.....	26	.....	17
243,980	82,054	676,520	.....	34,480	76,985	3,577,865	72,518	5,613,331	1,962,048	1,648	75	.....	.....	.....	1,673	.....	18
139,776	81,830	869,239	9,866	23,107	82,822	3,763,518	55,790	5,710,296	1,890,088	1,972	440	.....	170	.....	1,362	.....	19
84,630	31,116	476,104	9,866	17,286	17,053	2,348,034	27,745	3,361,913	986,134	1,266	195	.....	165	.....	936	.....	20
50,508	46,022	363,802	.....	2,191	65,105	1,387,534	24,018	2,274,667	863,115	620	245	.....	.....	.....	375	.....	21
4,638	4,692	29,333	.....	3,630	604	27,950	4,027	73,716	41,730	56	.....	.....	5	.....	51	.....	22
.....	773	14,555	445	600	847	6,791	184	52,913	45,938	35	.....	.....	.....	.....	35	.....	23
.....	4,614	.....	.....	2,040	36	6,604	717	28,954	21,633	10	.....	.....	.....	.....	10	.....	24
284,910	244,246	6,112,400	.....	35,165	3,612,915	236,041	10,513,840	6,664,884	2,869	473	.....	12	.....	.....	2,384	.....	25
31,898	53,817	144,842	.....	3,330	24,544	724,304	45,010	1,487,991	717,777	928	15	.....	15	.....	898	.....	26
15,833	18,100	19,350	120	0,038	11,067	288,017	556	449,965	161,392	47	.....	.....	.....	.....	47	.....	27
8,633	12,879	13,183	.....	3,815	11,237	234,511	228	338,511	103,742	21	.....	.....	.....	.....	21	.....	28
7,200	5,721	6,167	120	2,223	730	53,470	328	111,454	57,650	26	.....	.....	.....	.....	26	.....	29
36,268	35,118	618,066	436	22,561	15,473	1,807,543	5,023	2,750,339	937,773	165	.....	.....	.....	.....	165	.....	30
34,268	35,118	540,805	436	19,397	15,307	1,801,183	4,297	2,626,844	821,364	154	.....	.....	.....	.....	154	.....	31
5,755	17,215	76,253	.....	4,314	1,628	198,703	1,510	334,470	134,257	16	.....	.....	.....	.....	16	.....	32
28,513	17,903	404,552	436	15,083	13,079	1,602,480	2,787	2,292,371	687,107	138	.....	.....	.....	.....	138	.....	33
2,000	.....	77,861	.....	3,164	166	6,360	726	123,495	116,409	11	.....	.....	.....	.....	11	.....	34
138,913	234,411	1,633,359	24,437	87,994	56,596	5,089,432	15,575	8,386,445	3,281,438	384	.....	.....	.....	.....	384	.....	35
18,039	46,630	540,492	7,807	27,691	12,772	1,726,597	6,305	2,821,594	1,088,692	82	.....	.....	.....	.....	82	.....	36
63,772	133,653	840,111	13,211	43,193	26,024	2,674,263	6,142	4,232,882	1,552,477	200	.....	.....	.....	.....	200	.....	37
57,102	53,828	252,756	1,419	17,110	17,800	688,572	3,128	1,331,969	640,269	102	.....	.....	.....	.....	102	.....	38
95,520	114,109	109,428	50	22,966	50,300	2,720,911	11,335	3,578,120	845,874	442	.....	.....	.....	.....	442	.....	39
12,674	12,798	96,964	.....	6,396	25,115	166,827	1,830	388,323	219,666	217	.....	.....	.....	.....	217	.....	40
232,164	362,188	1,260,254	2,699	113,638	340,164	5,637,883	87,886	9,799,350	4,073,581	1,739	180	.....	.....	.....	1,559	.....	41
162,497	309,835	929,511	2,699	103,178	282,639	4,124,868	51,791	2,992,169	2,992,169	857	.....	.....	.....	.....	857	.....	42
69,667	52,353	330,743	.....	10,400	57,525	1,513,015	36,095	2,630,522	1,081,412	882	.....	.....	.....	.....	702	.....	43
35,008	21,506	308,866	752	22,151	10,541	593,331	4,797	1,252,129	654,001	197	.....	.....	.....	.....	197	.....	44
10,350	10,683	40,851	.....	1,840	2,218	201,343	2,512	304,988	101,133	239	.....	.....	.....	.....	239	.....	45
.....	2,120	24,439	.....	3,175	442	41,118	294	95,071	53,659	8	.....	.....	.....	.....	8	.....	46
11,900	2,900	26,578	600	3,295	10,854	137,669	1,001	237,437	98,767	17	.....	.....	.....	.....	17	.....	47
94,789	48,419	281,616	210	24,333	55,020	1,098,389	10,337	1,981,276	872,550	892	.....	.....	.....	.....	892	.....	48
10,220	6,139	100,222	.....	7,092	6,578	20,701	4,975	203,899	178,223	147	.....	.....	.....	.....	147	.....	49
.....	.....	5,381	.....	1,245	5	3,705	706	15,174	10,763	17	.....	.....	.....	.....	17	.....	50
2,600	.....	29,103	.....	3,528	220	7,850	840	65,847	57,157	14	.....	.....	.....	.....	14	.....	51
6,450	8,045	57,067	4,000	5,980	1,287	60,676	607	210,681	149,398	23	.....	.....	.....	.....	23	.....	52
2,205	6,890	99,784	390	8,292	2,861	113,940	1,202	326,512	211,361	55	.....	.....	.....	.....	55	.....	53
2,205	700	33,682	200	3,715	2,660	52,384	606	121,840	68,850	30	.....	.....	.....	.....	30	.....	54
.....	6,190	60,102	100	4,577	201	61,565	596	204,672	142,511	25	.....	.....	.....	.....	25	.....	55
4,540	2,808	19,365	.....	1,940	274	30,645	180	75,500	44,675	2	.....	.....	.....	.....	2	.....	56
22,948	17,567	41,785	.....	10,474	12,058	314,862	5,925	478,120	157,333	621	.....	.....	.....	.....	621	.....	57
1,500	2,547	6,610	.....	1,800	1,032	17,296	514	44,603	20,793	18	.....	.....	.....	.....	18	.....	58
104,771	298,903	444,015	398	2,430	131,064	11,882,157	66,950	13,791,854	1,842,747	2,910	390	.....	68	.....	2,512	.....	59
37,613	46,658	226,682	650	24,225	10,860	1,566,135	25,687	2,254,716	642,894	1,005	5	.....	.....	.....	1,000	.....	60
.....	120	2,912	.....	1,000	49	8,047	263	13,697	5,387	12	.....	.....	.....	.....	12	.....	61
6,240	7,009	35,993	600	9,685	744	264,732	6,591	375,876	104,553	158	.....	.....	.....	.....	158	.....	62
400	2,400	2,688	.....	450	140	39,487	492	62,321	22,342	.....	.....	.....	.....	.....	.....	.....	63
13,543	20,490	135,235	50	9,866	3,227	463,958	9,014	821,420	348,448	189	5	.....	.....	.....	184	.....	64
17,430	16,039	49,874	.....	3,344	6,700	809,911	9,527	981,402	162,164	646	.....	.....	.....	.....	646	.....	65

<sup>1</sup> Same number reported throughout the year.<sup>2</sup> Same number reported for one or more other months.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

LOS ANGELES—Con.															Dollars.			
1	Foundry and machine-shop products	137	3,059	120	164	221	101	2,453			3,247	3,224	15	7	1	7,536,041		
2	Boiler shops	4	78	3	3	6		66	Oc	115	Fe	12	87			127,430		
3	Foundries	7	176	7	6	8	2	153	De	200	Ap	132	200			313,225		
4	Machine shops	113	1,604	105	109	106	62	1,222	De	1,362	Ja	1,062	1,365	5	5	1	4,390,535	
5	Machine shop and foundry combined.	13	1,201	5	46	101	37	1,012	De	1,101	Ja	948	1,595	1,583	10	2	2,704,851	
6	Fur goods	8	117	7	2	1		107	No s	122	Ja s	92	122	41	81		291,313	
7	Furnishing goods, men's	4	151	5	10	15	5	116	De	140	Ja	81	139	18	117	4	567,708	
8	Furniture	73	1,749	90	62	90	54	1,453					1,808	1,611	182	15	3,393,078	
9	Wood, other than rattan and willow.	48	1,184	63	40	46	32	1,003	De	1,402	Ja	670	1,298	1,128	164	6	2,260,593	
10	Rattan and willow	7	111	6	3	1	1	100	No s	106	Je	90	106	105		1	106,888	
11	Metal	4	33	4	3	1	1	24	Fe s	26	Ja	22	25	21		4	45,752	
12	Store and office fixtures	14	421	17	16	42	20	326	Oc	378	Ja	243	379	357	18	4	979,844	
13	Gas and electric fixtures	15	149	13	16	17	9	94	De	113	Ja	81	111	110	1		376,173	
14	Glass, cutting, staining, and ornamenting.	14	93	17	4	13	5	54	De	72	Ja	43	68	68			358,023	
15	Gloves and mittens, leather	3	74	3	7	2	1	61	Se	68	Je	46	65	31	34		133,870	
16	Hand stamps	6	72	5	5	20	5	37	De	44	Ja s	35	44	36	8		136,029	
17	Hardware	10	72	12	2	1	1	56					75	66	9		100,626	
18	Locks and builders' hardware	6	50	6	1	1		42	Se s	55	Ja	28	55	53	2		80,653	
19	All other	4	22	6	1		1	14	Jy	19	Se s	11	20	13	7		28,973	
20	House-furnishing goods, feather pillows and beds.	4	17	3	3	1		10	Jy s	11	Ap s	9	10	8	2		55,146	
21	Ice, manufactured	12	507		28	38	24	477	Jy	505	Fe	385	472	470	2		5,018,396	
22	Iron and steel, tempering and welding.	18	77	27		2	3	45	Oc	62	Fe s	40	48	48			78,004	
23	Iron and steel, wrought pipe	4	357	1	16	23	8	309	Jy	359	Ja	239	289	289			1,325,287	
24	Jewelry	33	290	31	12	18	23	206	De	230	Ja	180	230	208	21	1	373,209	
25	Knit goods	9	210	6	17	10	2	175	De	206	Ja	146	189	38	150	1	408,342	
26	Lapidary work	6	37	5	1	2		29	Oc	44	Ja s	21	39	22	16	1	24,970	
27	Leather goods, not elsewhere specified.	6	50	5	3	1	2	39	De	75	Ja	14	67	15	48	1	87,054	
28	Liquors, malt	3	295		20	26	4	245	Se	295	De	209	209	209			3,017,466	
29	Looking-glass and picture frames	13	74	12	4	2	1	55	No	59	Fe s	53	58	51	7		65,398	
30	Lubricating greases	3	13	4	2	3	1	3	(*)	3	(*)	3	3	3			32,100	
31	Lumber, planing-mill products, not including planing mills connected with sawmills.	45	1,458	32	70	123	38	1,195	De	1,417	Ja	926	1,380	1,376	4		4,432,848	
32	Marble and stone work	18	130	17	5	9	5	94					118	118			359,897	
33	Monuments and tombstones	11	39	12	1	4	1	21	Ap s	25	Au s	18	22	22			93,500	
34	Other marble and stone work, except slate.	7	91	5	4	5	4	73	Oc	115	Ja s	49	96	96			266,397	
35	Mattresses and spring beds, not elsewhere specified.	14	298	16	17	25	9	231	De	303	Ja	143	303	246	54	1	932,110	
36	Millinery and lace goods, not elsewhere specified.	31	509	34	16	18	12	429					452	52	399	1	488,323	
37	Embroideries	3	11	4				7	Jy s	10	Ap s	5	10	4	6		4,144	
38	All other	28	498	30	16	18	12	422	Oc	448	Ja	346	442	48	393	1	484,179	
39	Mineral and carbonated water	18	96	22	5	7	5	57	Au	69	Fe s	50	57	53	3		374,652	
40	Mirrors, framed and unframed, not elsewhere specified.	3	20	3	2		2	13	Mh s	14	My	10	13	13			17,360	
41	Models and patterns, not including paper patterns.	18	99	22	6	2		69	De	76	Ja s	63	74	71	2	1	66,521	
42	Musical instruments and materials, not elsewhere specified.	6	23	8			1	14	De	19	Ja	9	27	19	8		44,955	
43	Optical goods	8	111	5	12	18	4	72	De	76	Ja s	71	76	70	6		171,974	
44	Paints	15	199	9	19	29	17	125	Jy s	149	Ja	73	146	134	12		823,909	
45	Patent medicines and compounds	34	104	30	15	21	7	31					39	24	15		175,772	
46	Patent and proprietary medicines.	17	32	18	4	1	2	7	De	9	Ja s	6	10	3	7		36,420	
47	Patent and proprietary compounds, not elsewhere specified.	17	72	12	11	20	5	24	Jy s	27	Ja	19	29	21	8		139,352	
48	Perfumery and cosmetics	16	64	16	4	9		31	Fe s	41	Au	22	47	12	35		86,328	
49	Petroleum, refining	8	223		16	38	14	155	De	175	Ja	134	175	171	4		4,539,988	
50	Photo-engraving	8	88	6	7	9	6	60	De	66	Ja	51	67	65	1	1	125,423	
51	Photographic materials	16	690	9	36	169	86	390					409	375	33	1	1,895,713	
52	Motion-picture films not exposed, and motion-picture projection films.	8	621	3	33	162	64	359	Je	385	Mh	330	375	352	23		1,839,598	
53	All other	8	69	6	3	7	22	31	No s	34	Ja s	29	34	23	10	1	56,115	
54	Pickles, preserves, and sauces	22	299	24	14	20	6	235					377	140	237		776,831	
55	Preserves	9	185	11	9	10	4	151	Jy	265	Ja	89	153	77	76		477,019	
56	Pickles and sauces	13	114	13	5	10	2	84	Se s	220	De	28	224	63	161		299,812	
57	Printing and publishing, book and job.	207	1,927	201	99	161	101	1,865					1,485	1,078	373	30	4	3,587,952
58	Job printing	194	1,793	194	88	139	74	1,298	De	1,414	Ja	1,229	1,414	1,021	361	28	4	3,317,997
59	Book publishing and printing	8	62	4	5	21	23	9	Se s	11	Ja	6	11	6	5		134,698	
60	Linotype work and typesetting	5	72	3	6	1	4	58	No	72	Se	52	60	51	7	2	135,257	
61	Printing and publishing, newspapers and periodicals.	110	3,019	79	159	863	612	1,306					1,414	1,374	28	12	6,777,665	
62	Printing and publishing	12	1,599	4	39	603	193	760	De	857	Ap	680	856	844	12		3,940,451	
63	Printing, publishing, and job printing.	35	1,093	26	48	205	275	539	Oc s	551	Fe	517	551	525	15	11	2,600,809	
64	Publishing without printing	63	327	49	72	55	144	7	(*)	7	(*)	7	7	5	1	1	236,345	

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
										Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	Rent- ed. <sup>2</sup>	

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
518,835	358,768	2,966,252	922,401	95,631	246,676	5,277,725	214,407	11,612,877	6,120,745	5,870	235	401	5,231	78	1			
6,900	5,100	70,923	1,190	2,940	3,440	60,173	2,703	234,056	171,180	65	235	25	40	4	2			
40,547	11,116	205,750	22,401	1,237	39,426	284,182	30,280	734,261	419,799	314	235	291	314	78	3			
318,238	186,725	1,540,346	900,000	81,771	123,008	3,292,066	97,049	6,659,417	3,270,302	2,086		88	2,460	4	4			
153,150	155,827	1,140,233		9,683	79,902	1,641,304	84,375	3,985,143	2,259,464	2,505			2,417	5	5			
7,025	1,600	119,465	1,026	10,510	2,234	345,107	615	592,781	247,059	29			29	6				
26,214	52,616	94,072	1,090	8,399	3,357	610,600	869	993,136	381,667	12			12	7				
163,787	187,901	1,554,287	13,603	68,252	60,530	2,657,159	21,019	5,896,548	3,218,370	2,431			2,431	8				
99,662	120,295	1,017,374	5,217	53,587	45,858	1,976,021	15,605	4,140,188	2,157,562	1,909			1,909	9				
11,395	4,408	99,609	600	7,645	841	73,773	508	255,633	181,352	21			21	10				
5,351	1,770	23,072	733	2,152	629	31,589	843	82,462	50,030	24			24	11				
47,379	61,428	414,232	7,053	4,808	13,202	575,776	4,063	1,409,265	829,426	477			477	12				
36,402	34,006	107,795	380	21,989	3,519	257,064	2,923	549,632	289,645	83			83	13				
12,825	17,515	78,584	9,000	15,296	6,234	353,400	1,483	628,511	273,628	60			60	14				
22,000	4,235	53,130	500	2,380	1,037	93,363	303	217,599	123,933	9			9	15				
12,230	33,746	50,967		6,040	9,118	78,336	736	248,996	169,324	40			40	16				
4,015	600	71,129	110	4,534	830	59,925	4,444	182,458	118,089	116			116	17				
1,615	500	56,480		2,664	363	39,062	3,334	114,420	71,894	64			64	18				
2,400	100	11,619	110	1,920	467	20,833	1,110	68,038	46,095	52			52	19				
5,040	1,200	7,680	000	1,215	704	63,941	1,275	94,431	20,215	51	5		46	20				
87,667	88,928	546,160		1,290	45,313	333,555	242,019	1,772,871	1,190,797	7,202	1,517	260	5,425	343	21			
	3,900	65,174	940	9,068	626	48,136	4,064	202,637	150,487	114		8	106	22				
73,485	48,097	408,785		567	123,246	810,671	9,590	2,381,028	1,560,767	657			657	23				
28,834	37,928	277,288	10,067	23,862	9,106	268,374	2,661	877,223	606,193	97			97	24				
40,383	17,507	134,729		8,110	7,029	439,103	2,422	734,297	292,772	58			58	25				
400	1,921	27,998	340	3,712	287	15,351	420	66,327	50,556	17			17	26				
3,982	1,067	20,471	50	3,430	285	48,279	143	110,294	61,872	23			23	27				
74,972	47,714	373,106		48,000	251,075	348,235	51,796	1,957,960	1,557,929	1,570	910		660	137	28			
10,220	3,560	57,282	3,250	9,773	808	80,397	1,101	237,599	150,101	24			24	29				
2,762	3,817	3,283		1,596	653	14,112	180	37,296	22,998	20			20	30				
209,490	198,412	1,407,117	9,268	23,031	80,240	6,115,900	41,554	9,251,981	3,091,527	7,638	3,050	50	4,513	1,450	31			
17,584	13,706	139,996	200	2,626	4,006	105,926	4,014	455,037	254,197	513			513	32				
1,550	4,811	35,810	200	960	1,009	39,827	2,210	127,941	83,104	146			146	33				
16,024	8,985	104,186		1,066	3,087	156,299	2,701	327,096	168,093	307			307	34				
59,833	28,712	247,313	45	6,764	19,602	931,606	3,070	1,462,519	526,943	398			398	35				
48,860	50,427	317,205	1,594	31,759	5,475	655,002	4,008	1,338,929	679,919	60			60	36				
		7,376		1,300	17	5,300	96	18,084	12,623	4			4	37				
48,860	50,427	309,829	1,594	30,450	5,458	649,642	3,912	1,320,845	667,291	56			56	38				
7,250	19,209	64,516		3,814	18,415	147,418	4,053	308,626	157,155	133	12		121	39				
3,498	1,124	12,930		1,438	118	38,807	738	70,380	30,835	16			16	40				
12,360	1,380	106,706	230	7,719	418	57,771	2,954	238,669	177,944	135			135	41				
	700	10,770	467	1,293	159	13,372	722	46,518	32,424	29			29	42				
36,319	33,008	73,670	15	7,875	4,993	83,693	1,495	297,652	212,464	42			42	43				
49,312	72,820	139,028	500,000	19,379	106,210	1,100,553	7,511	1,721,376	613,312	440			440	44				
25,265	21,059	28,385	866	10,293	3,249	118,134	844	320,377	201,399	48	4		44	45				
4,280	2,680	5,580	806	3,308	1,170	32,549	125	84,161	51,487	2			2	46				
21,005	18,379	22,805		6,925	2,079	85,585	719	236,216	149,912	46	4		42	47				
7,200	10,271	26,123	500	7,401	1,137	66,189	1,165	167,245	99,891	15			15	48				
78,603	60,611	210,552	600,000	2,109	171,286	3,815,698	143,442	5,613,897	1,654,757	246	56		190	1,403	49			
20,200	15,214	98,097	2,401	6,620	4,718	48,268	2,450	291,599	240,875	56			56	50				
278,009	291,858	510,788	500	21,835	32,839	983,670	27,131	3,816,292	2,805,491	595			595	51				
262,709	239,279	484,225		16,364	31,057	914,229	26,761	3,591,445	2,650,452	582			582	52				
16,200	52,579	35,563	500	5,471	1,782	69,441	367	224,847	155,039	13			13	53				
37,039	41,373	175,316		9,375	21,937	1,094,398	15,832	1,740,872	630,642	190		2	188	54				
27,938	28,118	117,738		5,613	19,198	899,842	11,615	1,375,200	463,743	87			87	55				
9,101	13,255	57,578		3,762	2,739	194,550	4,217	365,672	166,899	103			101	56				
276,152	330,070	1,567,644	151,770	139,177	44,069	2,927,279	32,939	6,566,963	3,606,745	1,393		15	1,393	57				
257,636	247,390	1,473,390	100,755	131,279	41,813	2,006,674	30,318	6,227,516	3,290,524	1,350		15	1,335	58				
12,940	77,206	6,952	51,015	5,108	718	16,905	153	171,484	154,426	22			22	59				
5,676	5,474	87,302		2,790	1,538	3,700	2,488	167,963	161,795	11			11	60				
494,097	1,464,246	1,398,761	353,435	76,873	111,204	3,543,641	32,664	9,728,450	6,152,145	2,713			2,713	61				
224,481	1,126,352	723,459	25,305	26,498	91,512	2,405,173	24,506	5,994,001	3,564,322	2,070			2,070	62				
170,087	239,215	667,450	23,592	36,217	16,242	1,040,039	8,062	2,865,706	1,817,605	641			641	63				
99,579	98,679	7,852	304,538	14,158	3,450	98,429	90	868,743	770,218	2			2	64				

\* Same number reported for one or more other months.  
 \* Same number reported throughout the year.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.		Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.			
						Male.	Female.	Average number.	Number, 15th day of—		Male.		Female.	Male.	Female.			
									Maximum month.	Minimum month.								
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																		
LOS ANGELES—Continued.																		
1	Rubber tires, tubes, and rubber goods, not elsewhere specified.	9	110	3	15	13	5	74	Se	92	Ja	60	77	62	15			Dollars. 310,978
2	Sausage, not made in slaughtering and meat-packing establishments.	4	27	2		3	1	21	Mh	23	Ja	20	21	20	1			38,432
3	Shipbuilding, wooden, new vessels.	5	256	3	13	6	1	233	Ja	424	Oc	110	149	149				692,028
4	Shirts.	4	232	1	12	18	6	195	De	224	Se	174	222	18	202	2		530,094
5	Show cases.	4	83	3	5	4	3	08	De	77	Ja	55	77	77				116,086
6	Signs and advertising novelties.	15	182	13	16	8	5	140	My	153	Mh	122	139	122	17			149,631
7	Slaughtering and meat packing.	4	1,809		14	389	53	1,333	Mh	1,485	My	1,223	1,452	1,289	163			9,925,065
8	Statuary and art goods.	15	79	27	7	1	1	43	De	61	Ja	34	58	47	9	1	1	64,489
9	Steam fittings and steam and hot-water heating apparatus.	3	22	1	2	3	1	15	No	28	Jy	10	25	24		1		75,119
10	Stoves, gas and oil.	18	91	24	6	9	2	50	No	78	Mh	35	68	68				134,708
11	Structural ironwork, not made in steel works or rolling mills.	15	127	16	12	8	3	88	De	122	Ja	71	121	121				318,787
12	Surgical appliances.	6	16	8		1	1	6	Ja	7	Fe	5	9	5	4			27,248
13	Theatrical scenery.	3	38	1	6		0	25	Ap	29	Jy	21	28	27	1			101,740
14	Tobacco, cigars.	36	377	51	7	17	1	301	De	407	Ja	241	410	222	183			384,441
15	Tools, not elsewhere specified.	10	85	12	8	2	1	62					78	77		1		161,346
16	Machinists'.	4	26	3	3	1		19	No	27	Fe	13	27	26				50,243
17	All other.	6	59	9	5	1	1	43	My	53	Ja	31	51	51				111,103
18	Toys and games.	7	48	12		1	1	34	An	42	Ja	17	40	14	26			52,827
19	Trunks and valises.	10	176	19	11	7	4	135	De	172	Ja	91	172	136	36			297,770
20	Wall plaster and composition flooring.	7	217	1	19	16	6	175	De	215	Fe	146	215	215				505,465
21	Window and door screens.	5	53	3	4	7	2	37	De	55	Fe	25	46	46				140,077
22	Window shades and fixtures.	9	79	7	13	7	5	47	Se	64	Mh	28	61	52	8	1		383,953
23	Wirework, including wire rope and cable, not elsewhere specified.	9	66	13	3	5		45	De	51	Je	39	40	46		3		446,561
24	Wood, turned and carved.	5	26	6			1	10	De	26	Fe	12	27	24	3			40,238
25	Wooden goods, not elsewhere specified.	7	66	9			2	55	Ap	112	Je	19	68	60	8			72,728
26	All other industries*.	202	15,208	170	413	838	323	13,464					12,703	12,137	556	0	4	45,381,903
*All other industries embrace—																		
1	Aeroplanes, seaplanes, and airships, and parts.	1							2	Dyeing and finishing textiles, exclusive of that done in textile mills.	1	Hats and caps, other than felt, straw, and wool.	14					14
2	Agricultural implements.	2							1	Engines, steam, gas, and water.	4	Hats, fur-felt.	4					4
3	Artists' materials.	2							1	Envelopes.	1	Hats, straw.	1					1
4	Asbestos, textile-mill products, not including steam packing.	1							2	Fireworks.	1	Instruments, professional and scientific.	1					1
5	Babbitt metal and solder.	2							1	Flags and banners.	1	Iron and steel, steel works and rolling mills.	2					2
6	Baking powders.	1							2	Galvanizing.	2	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1					1
7	Baskets, and rattan and willow ware.	1							2	Gas, illuminating and heating.	4	Iron and steel, doors and shutters.	1					1
8	Belting, leather.	2							1	Gas and water meters.	1	Iron and steel, forgings, not made in steel works or rolling mills.	2					2
9	Blacking, stains, and dressings.	5							1	Gloves and mittens, cloth, not including gloves made in textile mills.	1	Ivory, shell, and bone work, not including combs and hairpins.	1					1
10	Bluing.	2							3	ing gloves made in textile mills.	1							
11	Boot and shoe findings.	1							3	Gold and silver, reducing and refining, not from the ore.	6							
12	Boxes, cigar.	1							1	Grease, soap stock.	7							
13	Brushes.	4							1	Hair work.								
OAKLAND—All industries.																		
1	Artificial stone products.	3	7	4				3	Oc	4	Jy	2	27,278	23,411	3,700	94	73	118,882,298
2	Automobile bodies and parts.	11	92	15	5	6	1	65	Se	73	Ja	56	73	69	4			3,700
3	Automobile repairing.	69	470	92	16	10	14	338	No	387	Ja	276	382	371	11			123,515
4	Boxes, shipping containers and set-up paper boxes.	3	173		9	6	8	150	De	175	Je	127	175	57	111	2	5	720,066
5	Brass, bronze, and copper products.	6	103	6	9	6	2	80	Ja	110	Oc	70	72	72				389,121
6	Bread and other bakery products.	68	475	75	19	23	21	337	De	387	Ap	275	391	273	117	1		351,237
7	Butter.	3	19	2	1		2	14	(4)	14	(4)	14	14	12	2			1,009,334
8	Canning and preserving, fruits.	6	1,176		34	58	40	1,044	Jy	2,851	Mh	211	2,428	796	1,530	45	57	218,625
9	Chemicals.	4	41	2	5	4	4	26	(4)	26	(4)	26	26	26				3,783,536
10	Clothing, women's, shirt waists, dresses, and wrappers.	4	73	55	2			16	(4)	16	(4)	16	16	12	4			228,323
11	Confectionery and ice cream.	18	304	17	15	16	32	224					243	108	135			15,400
12	Confectionery.	12	182	12	5	12	11	142	No	168	Jy	125	165	42	123			758,184
13	Ice cream.	6	122	5	10	4	21	82	Je	97	Ja	65	78	66	12			396,430
14	Copper, tin, and sheet-iron work.	15	97	14	1	2	1	79	Se	94	Jy	69	101	98	2	1		371,754
15	Electrical machinery, apparatus, and supplies.	5	682	3	20	105	71	453	Ja	559	Se	400	458	111	347			345,287
16	Electroplating.	3	10	4				6	Se	7	Ja	4	6	6				1,711,526
17	Engines, steam, gas, and water.	6	680	2	58	52	19	549	Ja	934	No	34	771	766	3	2		6,500
18	Food preparations, not elsewhere specified.	9	118	15	9	4	6	84	Au	89	Ja	76	87	55				3,742,743
19	Foundry and machine-shop products.	30	720	26	56	47	34	557					730	711	18	1		896,987
20	Boiler shops and foundries.	6	326	2	31	9	4	280	De	382	Oc	93	460	457	3			2,406,983
21	Machine shops.	24	394	24	25	38	30	277	Se	342	Oc	190	270	254	15	1		1,058,533
22	Fur goods.	5	16	5			2	9	Se	12	Mh	6	12	3	9			1,408,400
23	Furniture.	12	158	12	7	16	4	119					129	108	18	3		36,316
24	Wood, other than rattan and willow.	7	50	8	3	7	2	30	De	34	Mh	27	36	19	16	1		280,135
25	All other.	5	108	4	4	9	2	89	Au	115	Ja	68	93	89	2	2		181,375
26	Gloves and mittens, leather.	6	85	0	3	5	1	70	Ap	75	Jy	63	74	27	43	4		184,402
27	Iron and steel, welding.	5	12	5				7	Au	8	My	5	8	8				18,350



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.			Rent- <sup>2</sup>	
										Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water-power. <sup>1</sup>		

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 32,110	Dollars. 25,631	Dollars. 70,341	Dollars. 2,121	Dollars. 10,230	Dollars. 3,201	Dollars. 293,218	Dollars. 9,624	Dollars. 509,926	Dollars. 207,084	254	30				224	1	
	5,640	30,704		3,300	393	248,815	3,750	326,055	73,490	77					77	2	
70,087	14,797	357,307		10,021	5,397	224,992	4,210	717,688	488,478	592					592	3	
32,875	36,411	159,053		4,454	5,401	496,569	1,344	859,361	361,448	35					35	4	
6,550	8,080	83,316		3,850	1,261	140,085	1,708	209,979	128,186	94					94	5	
39,210	14,039	164,004	650	11,392	1,503	186,784	9,847	538,245	341,614	65					65	6	
100,919	685,972	1,368,966		5,069	90,297	21,276,931	164,884	24,799,330	3,357,515	2,441	425				2,016	7	
2,963	258	62,126	532	3,999	978	38,746	404	147,182	108,032	3					3	8	
2,150	4,086	19,106		900	252	43,713	626	68,904	24,565	24					24	9	
10,418	12,214	61,182	4,017	7,390	1,468	147,440	880	329,261	180,911	41					41	10	
19,494	11,158	95,766	3,221	4,834	2,124	227,311	5,002	431,144	198,831	244					244	11	
	1,588	7,557		1,702	277	14,039	81	42,018	27,898	1					1	12	
14,283	6,096	44,919	1,320	1,315	679	65,066	359	175,902	110,477	27					27	13	
9,462	45,852	263,243	300	13,112	120,457	571,351	1,413	1,142,339	569,575	25					25	14	
10,747	4,582	81,194	27	5,830	1,026	78,572	3,484	243,866	161,510	159					159	15	
5,700	1,200	27,067		2,509	221	24,138	1,624	82,126	66,304	48					48	16	
5,047	3,382	54,127	27	3,330	805	54,734	1,860	161,740	105,140	111					111	17	
	3,300	26,381	1,293	2,775	901	36,976	419	96,700	59,305	12					12	18	
14,094	11,690	144,869	126	9,270	3,024	406,897	1,174	699,057	290,986	39					39	19	
80,455	22,839	199,753		4,875	4,201	467,990	17,954	1,016,088	530,144	466					466	20	
6,775	12,346	40,733		1,890	776	72,747	1,803	100,410	85,860	256					256	21	
30,109	16,098	51,228	109	3,133	11,156	304,368	1,895	531,546	225,283	127					127	22	
20,400	6,542	50,814	210	2,938	12,949	385,483	7,082	623,843	231,278	227					227	23	
	723	24,895	1,352	1,824	188	23,629	836	72,929	48,464	39					39	24	
	830	42,636		1,825	326	72,174	1,393	122,545	48,978	142					142	25	
1,812,062	1,615,382	18,010,388	69,602	210,952	1,736,098	34,880,816	2,317,904	69,131,540	31,032,820	33,211	5,675	110	178		27,248	119	26

Japanning.....	2	Phonographs and graphophones..	1	Roofing materials.....	4	Stationery goods, not elsewhere specified.....	2
Lamps and reflectors.....	5	Photographic apparatus.....	2	Saddlery and harness.....	3	Stereotyping and electrotyping.....	1
Liquors, vinous.....	1	Plumbers' supplies, not elsewhere specified.....	1	Safes and vaults.....	1	Stoves and hot-air furnaces.....	2
Lithographing.....	1	Pocketbooks.....	1	Saws.....	1	Tin plate and terneplate.....	1
Machine tools.....	1	Pottery, earthen and stone ware.....	2	Scales and balances.....	1	Tinware, not elsewhere specified.....	4
Mucilage, paste, and other adhesives, not elsewhere specified.....	1	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	1	Shipbuilding, steel.....	3	Umbrellas and canes.....	1
Musical instruments, piano materials. Oil, not elsewhere specified.....	6	Printing and publishing, music.....	1	Silversmithing and silverware.....	1	Upholstering materials, curled hair.....	1
Oleomargarine and other butter substitutes.....	1	Printing materials.....	1	Smelting and refining, antimony.....	1	Varnishes.....	4
Paper and wood pulp.....	1	Pumps, not including power pumps.....	3	Smelting and refining, not from the ore.....	2	Vinegar.....	1
Paving materials.....	1	Pumps, steam and other power.....	4	Soap.....	8	Wood preserving.....	1
Peanuts, grading, roasting, cleaning, and shelling.....	1	Refrigerators.....	3	Soda-water apparatus.....	2		
Pens, fountain and stylographic.....	1	Regalia, and society badges and emblems.....	1	Sporting and athletic goods.....	2		
				Springs, steel, automobile.....	3		
				Stamped and enameled ware, not elsewhere specified.....	2		

2,428,638	2,684,875	31,570,253	493,000	534,189	4,142,194	61,374,223	2,602,741	134,755,470	70,778,506	50,040	5,458	700	372		43,510	264	1
	5,250			240	42	10,680	96	25,490	14,714	8					8		2
12,910	2,020	93,241	2,918	9,060	682	123,326	1,819	290,201	165,146	39					39		3
26,614	24,115	438,595	8,090	75,499	12,818	559,968	15,860	1,431,187	855,359	348					348		4
36,483	23,420	106,968		1,000	15,526	280,905	2,378	593,087	309,784	90					90		5
29,573	8,591	125,877		1,740	4,751	345,000	9,240	629,721	275,481	167					167		6
49,000	91,971	454,662	896	43,750	41,719	1,816,052	51,980	2,775,396	907,364	420	25		10		385	2	7
2,000	2,000	18,299		1,200	2,736	333,125	5,490	414,091	75,476	120					120		8
214,380	168,906	1,218,757		3,522	597,717	6,959,666	48,393	11,285,387	4,277,328	1,000					1,000		9
14,609	9,080	33,015		900	19,071	60,071	28,401	284,952	196,480	794	80				714		10
2,620	9,250	606		1,898	278	39,631	302	62,894	22,961	3					3	2	11
29,224	44,386	201,240	9,920	25,490	16,116	1,135,341	25,138	1,754,856	594,377	545					545		12
9,578	22,427	113,861	9,920	14,280	9,856	530,555	9,419	878,428	338,454	190					190		13
19,046	21,959	87,379		11,210	6,280	604,780	15,719	876,428	255,923	355					355		14
5,500	4,895	132,625		4,500	4,036	254,491	2,478	441,625	184,656	115			38		77		15
55,501	153,519	350,154		1,200	214,581	1,302,720	71,926	2,999,849	1,625,203	344					344		16
	8,299			1,500	32	4,872	1,031	20,597	20,694	21					21		17
149,329	100,668	809,342	301,500	9,800	43,726	1,319,034	18,680	2,645,208	1,307,494	1,519					1,519		18
23,810	17,355	85,927		6,082	12,716	467,812	21,909	979,293	489,517	384					384		19
110,418	93,678	769,957	1,526	21,404	59,877	1,230,934	38,030	2,426,451	1,157,527	1,074	15		95		904		20
47,744	17,409	356,070		240	43,447	632,726	23,387	1,190,292	534,139	288	15		50		223		21
71,674	76,269	413,887	1,526	21,164	16,230	598,208	14,063	1,236,259	623,388	786			45		741		22
	2,040	3,960		3,020	734	43,170	615	88,422	44,737	5					5		23
14,650	23,439	149,915	500	8,090	3,604	243,301	1,932	534,372	289,139	84					84		24
3,700	5,547	24,445	500	3,830	1,038	64,570	436	121,460	56,454	30					30		25
10,950	17,892	125,470		4,260	2,656	178,731	1,466	419,912	232,685	54					54		26
8,450	18,084	73,720	2,428	2,860	7,438	134,951	628	291,401	155,822	12					12		27
	10,912			1,701	150	9,254	1,149	34,618	23,615	15					15		28

\* Same number reported for one or more other months.

† Same number reported throughout the year.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

OAKLAND—Con.															Dollars.
1	Jewelry.....	3	22	4	1	2	15	No <sup>s</sup>	18	Mh	13	18	17	1	14,831
2	Looking-glass and picture frames....	3	36	3	1	1	30	(*)	30	(*)	30	30	19	11	41,252
3	Lumber, planing-mill products, not including planing mills connected with sawmills.	21	1,585	12	39	60	29	1,445	De	1,671	Mh	1,196	1,697	3	6,140,038
4	Marble and stone work, monuments and tombstones.	9	22	11	1	2	8	Oc	13	Ja	2	13	13		43,575
5	Mattresses and spring beds, not elsewhere specified.	6	45	7	3	1	2	32	De	43	Fe	27	43	39	57,319
6	Millinery and lace goods, not elsewhere specified.	7	34	9				25					29	1	23,430
7	Embroideries.....	4	19	5				5	(*)	5	(*)	5	5	5	5,740
8	All other.....	3	24	4				20	(*)	20	(*)	20	20	19	17,090
9	Mineral and soda waters.....	5	46	10	2	7		27	Je <sup>s</sup>	29	Fe	24	24	24	85,421
10	Models and patterns, not including paper patterns.	5	25	4	1	1		19	Fe <sup>s</sup>	22	No	12	23	22	14,950
11	Patent medicines and compounds..	5	39	3	4	10	17	Fe	21	Ap <sup>s</sup>	16	18	9	9	93,723
12	Paving materials.....	3	55	4		1	1	49	Au	70	Fe	14	66	66	166,060
13	Photo-engraving.....	3	15	5	1	1	8	Ja <sup>s</sup>	10	Au <sup>s</sup>	6	6	6	6	9,975
14	Printing and publishing, book and job.	50	213	54	17	9	17	116					123	99	608,064
15	Job printing.....	47	204	49	17	9	17	112	De	120	Fe	104	119	95	582,684
16	All other.....	3	9	5				4	(*)	4	(*)	4	4	4	25,320
17	Printing and publishing, newspapers and periodicals.	16	512	9	27	191	74	211					217	203	820,215
18	Printing, publishing, and job printing.	8	495	3	25	187	73	207	Se	220	Mh	197	213	199	807,970
19	Publishing without printing....	8	17	6	2	1	4	(*)	4	(*)	4	4	4	4	12,245
20	Shipbuilding, steel.....	5	11,275	2	107	233	78	10,855	Je	16,460	Oc	496	12,222	12,222	57,236,567
21	Structural ironwork, not made in steel works or rolling mills.	6	51	7	3	2	1	38	Fe	44	My	26	41	40	187,215
22	Tobacco, cigars.....	14	31	20				11	Oc	16	Ja <sup>s</sup>	8	11	9	52,327
23	Window shades and fixtures.....	6	25	4	5			15	Au <sup>s</sup>	16	Ja	13	16	12	56,210
24	All other industries *.....	135	7,159	107	216	415	255	6,166					6,478	5,227	35,944,857

* All other industries embrace—	Brushes.....	1	China decorating, not including that done in potteries.....	3	Flavoring extracts.....	1
Agricultural implements.....	1	Carpets, rug.....	2	Flour-mill and gristmill products.....	2	
Aluminum ware.....	1	Carriage and wagon materials.....	1	Gas, illuminating and heating.....	2	
Artificial limbs.....	2	Carriages and wagons, repair work only.....	1	Gas machines.....	1	
Automobiles.....	2	Cars and general shop construction and repairs by electric-railroad companies.....	2	Glass, cutting, staining, and ornamenting.....	3	
Awnings, tents, and sails.....	2	Cars and general shop construction and repairs by steam-railroad companies.....	1	Gloves and mittens, cloth, not including gloves made in textile mills.....	1	
Babbitt metal.....	1	Cash registers and calculating machines.....	1	Gold, leaf and foil.....	1	
Baking powders and yeast.....	1	Chewing gum.....	1	Graphite, ground and refined.....	2	
Bookbinding and blank-book making.....	1			Graze and tallow, not including lubricating greases.....	1	
Boxes, cigar.....	1			Hair work.....	1	
Boxes, wooden packing, except cigar boxes.....	1					
Brick, sewer pipe and drain tile.....	2					

SACRAMENTO—All industries.															18,937,156
1	Automobile bodies and parts.....	3	22	4		1	17	Je <sup>s</sup>	18	Ja	13	18	18		25,791
2	Automobile repairing.....	61	329	82	10	8	18	Oc <sup>s</sup>	226	Ja	190	233	229	2	379,554
3	Bread and other bakery products.....	35	223	51	3	3	19	Se	160	Ap	146	157	128	25	392,026
4	Canning and preserving, fruits and vegetables.....	5	1,440		51	57	38	Au	2,709	Fe	273	1,736	758	840	3,101,608
5	Coffee, roasting and grinding.....	7	24	7		3	2	(*)	12	(*)	12	12	7	4	92,151
6	Confectionery and ice cream.....	13	182	9	9	15	11	133				157	73	114	647,047
7	Confectionery.....	8	129	5	4	13	5	102	Je	174	Au	45	161	49	231,585
8	Ice cream.....	5	53	4	5	2	6	36	Jy	51	Ja	19	26	24	415,402
9	Copper, tin, and sheet-iron work....	10	76	12	2	3	4	55	No	73	Fe	42	67	67	272,799
10	Flavoring extracts.....	3	22	2	3	1	1	15	(*)	15	(*)	15	14	10	65,690
11	Food preparations, not elsewhere specified.....	8	35	14				21	De	40	My	6	44	7	31,813
12	Foundry and machine-shop products.....	19	89	25		4	2	58				76	76		275,880
13	Machine shops.....	16	62	20		2	2	38	De	42	Ja	33	43	43	186,550
14	All other.....	3	27	5		2		20	De	34	Ap	13	33	33	89,830
15	Furniture.....	4	9	3				6	Oc <sup>s</sup>	8	Mh	4	9	8	23,340
16	Jewelry.....	4	7	5				2	(*)	2	(*)	2	2	2	4,557
17	Lumber, planing-mill products, not including planing mills connected with sawmills.	12	108	16	4	1	3	84	De	108	Mh	65	118	112	330,816
18	Marble and stone work.....	4	13	4				9	De	10	Ja	8	9	9	39,462
19	Mineral and soda waters.....	4	35	2	3		2	28	Oc	46	Ap <sup>s</sup>	20	25	24	348,820
20	Patent medicines and compounds..	4	36	23	1	1	2	9	Fe	11	Mh	8	10	3	35,124
21	Photo-engraving.....	3	17	2	2	1		12	My <sup>s</sup>	13	Ja <sup>s</sup>	11	12	12	23,990
22	Pickles and sauces.....	4	6	4		3	6	(*)	2	(*)	2	2	2	2	10,448
23	Printing and publishing, book and job.....	10	69	14	4	3	6	42	Je	52	Mh	37	43	39	125,707

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
			Steam engines (not turbines).					Steam turbines.	Internal-combustion engines.		Water power. <sup>1</sup>	Rent. <sup>2</sup>			

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
1,000	1,500	24,648	.....	1,320	128	4,341	247	61,410	56,822	5	.....	.....	.....	.....	.....	5	1
3,000	2,016	37,784	.....	2,280	400	42,793	480	90,084	47,421	12	.....	.....	.....	.....	.....	12	2
104,067	103,293	1,863,407	1,100	15,679	72,526	6,613,824	26,302	9,790,197	3,150,071	5,337	2,980	300	.....	.....	.....	2,057	3
2,626	540	14,534	220	1,512	437	30,013	1,243	79,478	48,222	90	.....	.....	.....	.....	.....	90	4
7,800	2,985	40,465	.....	2,410	735	118,091	948	211,300	92,261	86	.....	.....	.....	.....	.....	86	5
.....	17,781	1,600	4,792	234	6,812	381	44,799	37,606	5	5	.....	.....	.....	.....	.....	5	6
.....	4,520	1,600	1,560	79	3,080	72	16,737	13,585	1	1	.....	.....	.....	.....	.....	1	7
.....	13,261	.....	3,232	155	3,732	309	28,062	24,021	4	4	.....	.....	.....	.....	.....	4	8
3,100	9,010	31,429	900	4,080	1,079	121,401	4,152	240,390	114,837	41	.....	.....	.....	.....	.....	41	9
960	720	30,161	540	2,238	83	9,692	663	56,704	46,349	33	.....	.....	.....	.....	.....	33	10
10,298	19,405	15,318	.....	3,120	5,295	89,832	935	199,694	108,927	8	8	.....	.....	.....	.....	.....	11
.....	3,000	72,205	.....	633	6,741	14,010	4,387	107,382	88,985	488	.....	.....	.....	.....	.....	488	12
2,100	737	13,663	.....	1,438	67	6,409	1,048	40,283	32,826	13	.....	.....	.....	.....	.....	13	13
37,718	26,333	149,609	11,168	19,169	28,020	355,254	5,826	923,691	562,611	223	.....	.....	.....	.....	.....	223	14
37,718	26,383	145,492	10,380	18,329	27,888	354,904	5,370	905,028	544,754	220	.....	.....	.....	.....	.....	220	15
.....	4,117	788	.....	840	141	350	456	18,663	17,857	3	.....	.....	.....	.....	.....	3	16
84,604	326,770	294,379	23,982	25,416	38,457	339,931	13,303	2,161,111	1,808,777	379	.....	.....	.....	.....	.....	379	17
81,644	318,577	290,963	1,484	24,022	38,376	335,974	13,221	2,106,273	1,767,078	378	.....	.....	.....	.....	.....	378	18
2,960	8,193	3,416	22,498	1,394	81	3,057	82	54,838	51,699	1	.....	.....	.....	.....	.....	1	19
710,339	514,066	16,373,877	76,350	148,553	2,201,661	11,116,977	324,107	45,271,236	33,830,152	16,962	935	65	.....	.....	15,962	.....	20
13,680	2,400	61,545	.....	4,378	2,465	246,950	3,600	365,870	115,330	126	.....	.....	.....	.....	126	.....	21
.....	9,185	.....	.....	2,280	4,954	25,576	18	60,135	34,541	.....	.....	.....	.....	.....	.....	.....	22
7,805	900	16,912	.....	2,592	2,169	84,966	208	160,546	75,282	9	.....	.....	.....	.....	.....	9	23
645,470	881,183	7,407,286	47,918	67,753	718,494	25,473,947	1,807,438	44,875,997	17,534,612	10,116	1,415	400	164	.....	17,137	12	24

Hand stamps.....	2	Musical instruments and materials, not specified.....	2	Screws, machine.....	1	Stoves, gas and oil.....	2
Hardware, builders'.....	2	Optical goods.....	2	Shipbuilding, wooden, including boat building.....	4	Surgical appliances.....	2
Ice, manufactured.....	4	Paints.....	2	Shirts.....	1	Tinware, not elsewhere specified.....	1
Iron and steel, steel works and rolling mills.....	2	Perfumery and cosmetics.....	1	Signs, electric and other.....	2	Tools, not elsewhere specified.....	2
Iron and steel, forgings, not made in steel works or rolling mills.....	1	Pickles, preserves, and sauces.....	3	Silversmithing and silverware.....	1	Toys and games.....	2
Iron and steel, wrought pipe.....	2	Pumps, not including power pumps.....	2	Slaughtering and meat packing.....	2	Typewriter supplies, ribbon.....	1
Liquors, malt.....	2	Rice, cleaning and polishing.....	1	Soap.....	2	Wall plaster and composition flooring.....	1
Liquors, vinous.....	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1	Soda-water apparatus.....	1	Waste.....	1
Lithographing.....	2	Saddlery and harness.....	1	Springs, steel, automobile.....	1	Wirework, not elsewhere specified.....	5
Mirrors, framed and unframed, not elsewhere specified.....	2	Sausage, not made in slaughtering and meat-packing establishments.....	6	Steam packing.....	1	Wood, turned and carved.....	1
				Stereotyping and electrotyping.....	1	Wooden goods, not elsewhere specified.....	1

679,356	702,048	8,336,257	34,812	179,651	998,612	16,909,641	901,318	34,198,980	16,388,021	16,013	3,027	210	258	.....	12,518	.....	1
20,625	1,040	25,059	203	2,328	430	32,535	1,049	87,221	53,637	13	.....	.....	.....	.....	13	.....	2
8,724	27,990	312,035	5,517	46,513	3,441	185,921	10,024	767,415	571,470	304	.....	.....	.....	.....	304	.....	3
91,629	15,931	212,619	967	29,747	3,402	903,988	22,333	1,426,170	490,849	137	.....	.....	.....	.....	137	.....	4
.....	147,193	1,261,601	.....	9,799	452,586	3,098,193	59,478	8,061,266	4,903,595	909	.....	.....	.....	.....	909	.....	5
.....	5,234	9,950	300	6,192	617	283,930	2,056	346,596	60,610	30	.....	.....	.....	.....	30	.....	6
20,750	31,480	106,046	1,536	9,562	26,495	422,234	12,179	703,357	268,944	386	100	.....	.....	.....	286	.....	7
9,950	23,537	70,338	1,434	4,182	23,774	201,188	5,835	361,490	154,667	143	100	.....	.....	.....	43	.....	8
10,800	7,943	35,708	102	5,380	2,721	221,046	6,544	341,867	114,277	243	.....	.....	.....	.....	243	.....	9
6,600	8,882	89,958	1,953	3,819	1,636	136,523	1,090	322,902	185,280	26	.....	.....	.....	.....	26	.....	10
6,000	3,964	12,316	.....	2,670	1,066	49,874	191	97,221	47,156	1	.....	.....	.....	.....	1	.....	11
.....	.....	12,398	94	2,082	272	89,070	2,947	116,887	24,870	93	.....	.....	.....	.....	93	.....	12
.....	7,625	113,447	1,609	5,062	3,765	74,602	8,938	279,076	195,536	246	6	.....	10	.....	230	.....	13
.....	4,041	60,075	564	4,462	1,832	54,148	4,286	173,901	115,467	129	6	.....	10	.....	113	.....	14
.....	3,584	53,372	1,045	600	1,933	20,454	4,652	105,175	80,069	117	.....	.....	.....	.....	117	.....	15
.....	9,399	1,990	1,212	128	10	10,462	495	27,921	16,964	39	.....	.....	.....	.....	39	.....	16
.....	1,534	135	1,098	36	6,278	142	199	19,313	12,893	4	.....	.....	.....	.....	4	.....	17
5,558	4,939	113,427	627	3,907	3,310	163,533	7,069	359,321	188,719	641	200	.....	.....	.....	441	.....	18
.....	.....	12,467	665	384	638	15,899	488	39,266	22,879	35	.....	.....	.....	.....	35	.....	19
5,686	1,607	33,454	.....	2,094	5,817	84,676	3,487	184,659	96,496	86	.....	.....	.....	.....	86	.....	20
2,160	1,545	7,618	68	809	464	36,930	490	63,781	26,361	5	.....	.....	.....	.....	5	.....	21
3,900	1,754	13,066	200	1,700	343	11,356	615	42,431	30,490	11	.....	.....	.....	.....	11	.....	22
.....	.....	614	4	672	67	6,815	112	15,537	8,610	9	.....	.....	.....	.....	9	.....	23
10,188	8,577	52,237	312	6,579	1,620	82,774	1,748	232,772	148,250	63	.....	.....	.....	.....	63	.....	24

\* Same number reported for one or more other months.  
 \* Same number reported throughout the year.



## MANUFACTURES—CALIFORNIA.

TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

SACRAMENTO—Con.															Dollars.
1	Printing and publishing, newspapers and periodicals.	15	319	14	24	95	50	136	.....	.....	167	152	10	5	708,051
2	Printing and publishing.	5	263	4	20	89	46	104	De 129	Mh 88	129	117	10	2	554,455
3	Printing, publishing, and job printing.	6	50	6	4	5	3	32	Je 36	Se 28	36	34	.....	2	148,909
4	Publishing without printing.	4	6	4	.....	1	1	.....	.....	.....	2	1	.....	1	4,687
5	Tobacco, cigars.	11	62	12	1	1	.....	48	Ja 57	Je 43	57	45	12	.....	42,575
6	All other industries *	65	4,420	54	148	168	70	3,989	.....	.....	4,253	4,195	52	5	11,960,841

* All other industries embrace—	Boxes, wooden packing, except cigar	2	Cars and general shop construction	1	Copperage, hogsheds and barrels...	1
Artificial limbs.....	Boxes.....	1	and repairs by steam-railroad com-	2	Dental goods.....	2
Artificial stone products.....	Brass and bronze products.....	1	panies.....	3	Electroplating.....	1
Automobiles.....	Brick, sewer pipe and drain tile.....	1	Clothing, men's and youths'.....	1	Engraving and die sinking.....	1
Awnings, tents, and sails.....	Brooms, from broom corn.....	1	Clothing, women's, shirt waists	2	Engraving, steel and copper plate,	1
Bookbinding and blank-book mak-	Butter.....	2	and dresses, except house dresses.	2	including plate printing.....	1
ing.....	Carpets, rag.....	1	Coffins, burial cases, and undertak-	1	Fertilizers.....	1
Boxes, set-up paper boxes.....	Carriages and wagons, repair work only	1	ers' goods.....	1	Flour-mill and gristmill products...	2

1	SAN DIEGO—All Industries.	266	4,579	271	245	434	202	3,427	Se 4,333	My 2,750	3,768	2,804	949	12	3	23,174,914
2	Automobile bodies and parts.	6	49	7	3	.....	2	37	No 40	Ja 34	39	39	.....	.....	.....	66,002
3	Automobile repairing.	45	233	50	8	7	12	147	Se 170	Ja 131	169	168	1	.....	.....	257,711
4	Bookbinding and blank-book making.	3	12	3	.....	.....	.....	9	(*) 9	(*) 9	9	4	5	.....	.....	37,464
5	Bread and other bakery products.	24	296	25	11	30	19	211	Ja 236	Au 177	227	154	68	2	3	556,260
6	Canning and preserving, fish.	8	586	3	30	8	11	534	Jy 1,105	My 180	664	156	508	.....	.....	1,820,647
7	Cleaning and polishing preparations.	3	3	3	.....	.....	.....	.....	(*) 10	(*) 10	.....	.....	.....	.....	.....	2,066
8	Coffee, roasting and grinding.	4	30	2	7	7	4	10	(*) 10	(*) 10	10	7	3	.....	.....	133,168
9	Confectionery and ice cream.	8	128	12	5	8	6	97	.....	.....	116	36	80	.....	.....	196,248
10	Confectionery.	5	103	9	1	8	4	81	De 101	Je 63	101	23	78	.....	.....	155,776
11	Ice cream.	3	25	3	4	.....	2	16	Au 20	No 14	15	13	2	.....	.....	40,472
12	Copper, tin, and sheet-iron work.	11	79	12	2	2	.....	63	Jy 70	Mh 56	63	62	1	.....	.....	114,261
13	Electrical machinery, apparatus, and supplies.	3	18	2	3	2	1	10	My 12	Au 8	11	10	1	.....	.....	34,427
14	Electroplating.	3	6	4	.....	.....	.....	2	(*) 2	(*) 2	3	3	.....	.....	.....	5,655
15	Foundry and machine-shop products.	9	87	9	8	1	3	66	.....	.....	61	61	.....	.....	.....	196,084
16	Machine shops.	6	37	7	5	.....	1	24	Je 29	Fe 19	23	23	.....	.....	.....	82,503
17	All other.	3	50	2	3	1	2	42	Ja 51	De 38	38	38	.....	.....	.....	113,581
18	Furniture.	5	14	4	.....	.....	.....	10	Mh 11	Ja 9	11	11	.....	.....	.....	15,947
19	Iron and steel, welding.	3	9	3	.....	.....	.....	6	(*) 6	(*) 6	5	5	.....	.....	.....	11,042
20	Jewelry.	3	13	3	.....	1	2	7	Ja 8	Jy 6	6	6	.....	.....	.....	12,085
21	Looking-glass and picture frames.	3	7	1	.....	.....	.....	6	(*) 6	(*) 6	5	5	.....	.....	.....	15,425
22	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	106	6	8	5	1	86	De 101	Fe 72	101	101	.....	.....	.....	240,752
23	Marble and stone work.	6	32	7	2	.....	1	22	My 26	Ja 20	23	23	.....	.....	.....	52,019
24	Mattresses and spring beds, not elsewhere specified.	3	14	2	2	.....	2	8	De 17	Se 6	22	14	8	.....	.....	61,576
25	Mineral and carbonated waters.	4	27	7	2	1	.....	17	Jy 23	Ja 14	14	14	.....	.....	.....	49,839
26	Pickles, preserves, and sauces.	3	45	2	5	.....	1	37	De 127	Au 8	127	21	104	2	.....	232,912
27	Printing and publishing, book and job.	30	156	37	7	20	11	81	.....	.....	90	77	13	.....	.....	298,131
28	Job printing.	27	119	31	6	4	6	72	De 81	Se 65	81	68	13	.....	.....	275,374
29	All other.	3	37	6	1	16	5	9	(*) 9	(*) 9	9	9	.....	.....	.....	22,757
30	Printing and publishing, newspapers and periodicals.	9	333	10	4	157	34	128	De 138	Mh 120	143	131	4	8	.....	686,639
31	All other industries *	64	2,296	48	138	185	92	1,833	.....	.....	1,840	1,696	153	.....	.....	18,077,645

* All other industries embrace—	Brooms, from broom corn.	1	Cars and general shop construction	1	Feathers and plumes.	1
Artificial stone products.	Butter.	1	and repairs by steam-railroad companies.	2	Fertilizers.	1
Awnings, tents, and sails.	Canning and preserving, fruits and vegetables.	2		2	Flags and banners.	1
Boxes, set-up paper boxes.	Carpets, rag.	1	Clothing, women's.	1	Flour-mill and gristmill products.	1
Boxes, wooden packing, except cigar boxes.	Cars and general shop construction	1	Dental goods.	1	Food preparations, not elsewhere specified.	3
Brass and bronze products.	and repairs by electric-railroad companies.	1	Druggists' preparations.	1		
Brick, building, and terra-cotta products.		2	Engines, steam, gas, and water.	2		
			Engraving, steel and copper plate, including plate printing.	2		

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants)



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent- ed. <sup>2</sup>
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.						
115,412	179,836	227,784	12,979	8,260	6,833	198,329	9,168	1,143,913	936,416	319					319	1
105,655	161,353	175,627	3,277	4,714	4,511	145,672	6,700	939,811	787,439	267					267	2
9,757	16,123	52,157	54	2,886	2,322	52,657	2,468	187,792	132,667	52					52	3
	2,360		9,648	660				16,310	16,310							4
2,000	1,500	52,688		2,790	18,686	72,729	50	174,971	102,192	1					1	5
380,124	252,841	5,655,740	5,653	32,372	467,260	10,942,900	757,160	19,686,984	7,986,834	12,658	2,721	210	248		9,479	6

Fur goods.....	1	Iron and steel, welding.....	2	Optical goods.....	1	Structural ironwork, not made in steel works or rolling mills.....	1
Gas and electric fixtures.....	1	Iron and steel, wrought pipe.....	1	Photographic apparatus, motion picture machines.....	1	Tools, not elsewhere specified.....	1
Gas, illuminating and heating.....	2	Liquors, malt.....	2	Rice, cleaning and polishing.....	1	Vinegar and cider.....	1
Hand stamps.....	2	Liquors, vinous.....	2	Saddlery and harness.....	1	Window shades and fixtures.....	1
Ice, manufactured.....	3	Mattresses and spring beds, not elsewhere specified.....	2	Shipbuilding, wooden, new vessels.....	1	Wirework, not elsewhere specified.....	1
Iron and steel, steel works and rolling mills.....	1	Mirrors, framed and unframed, not elsewhere specified.....	1	Slaughtering and meat packing.....	1		
Iron and steel, forgings, not made in steel works or rolling mills.....	1						

607,266	705,156	3,608,680	28,157	183,700	284,390	10,355,900	657,521	20,225,723	9,212,302	9,458	2,301	41	5	7,051	1	
4,550	3,250	55,273		11,095	414	98,990	1,130	208,772	108,652	59				59	2	
6,001	10,492	189,485	2,893	33,583	1,829	241,942	9,975	627,431	375,514	225				225	3	
		9,061		960	541	5,570	226	22,062	16,266	14				14	4	
31,867	41,184	227,659	5,265	20,460	7,253	908,837	25,365	1,522,135	587,933	234	6			228	5	
84,193	24,607	309,234	171	13,472	18,526	1,249,469	24,350	1,995,752	721,933	936	85			851	6	
				180	19	9,421	62	13,534	4,061	7		7			7	
12,540	10,037	9,087		3,420	2,790	225,328	1,581	283,865	56,956	36				36	8	
18,125	15,433	80,418		11,449	8,000	272,655	4,451	539,703	262,597	63				63	9	
4,800	13,723	57,894		6,973	5,920	221,716	3,477	356,980	131,787	39				39	10	
13,325	1,710	22,524		4,476	2,080	50,939	974	182,723	130,810	24				24	11	
4,400	2,770	68,990		5,258	1,317	112,458	1,463	250,816	136,865	27				27	12	
6,480	1,870	11,778		1,971	887	23,378	1,485	43,093	18,230	24				24	13	
		2,020		543	40	915	656	8,157	6,586	15				15	14	
22,360	6,585	71,601		3,940	5,447	79,973	6,259	256,546	170,314	170		2		168	15	
10,780	720	22,438		3,140	3,564	25,609	1,727	96,896	69,560	65				65	16	
11,580	5,865	49,163		800	1,883	54,364	4,532	159,650	100,754	105		2		103	17	
		10,270		1,129	90	7,027	264	23,758	16,467	13				13	18	
		5,957		2,370	71	12,372	76	25,097	12,649	3				3	19	
	1,036	6,210	198	1,035	140	4,337	204	22,873	18,332	6				6	20	
		8,906		2,040	175	7,600	137	21,650	13,913	2				2	21	
14,780	5,916	99,554	3,403	1,940	4,402	237,441	4,163	386,791	146,187	919	620			299	22	
4,000	600	21,532		666	538	18,546	2,372	79,511	58,593	123				123	23	
2,800	1,211	5,939	223	380	50	8,425	436	21,521	12,660	51				51	24	
2,600	1,096	15,959		2,052	547	45,246	1,744	100,486	53,496	29				29	25	
10,266	1,621	31,763		807	996	75,913	1,846	145,906	67,247	69				69	26	
10,837	11,516	75,320	5,944	11,185	2,874	116,831	3,069	335,727	215,827	99		4		95	27	
8,837	9,184	68,645	3,784	10,655	2,677	116,020	2,420	306,219	187,770	96			4	92	28	
2,000	2,332	6,675	2,160	530	107	811	640	29,598	28,057	3				3	29	
18,135	172,049	159,276	4,770	13,859	5,288	129,706	7,295	844,911	707,910	313				313	30	
353,332	393,223	2,133,388	5,290	40,006	222,156	6,463,520	558,922	12,446,526	5,424,084	6,021	1,650		28	5	4,338	31

Gas, illuminating and heating.....	1	Lumber and timber products.....	1	Saddlery and harness.....	1	Slaughtering and meat packing.....	1
Glass, cutting, staining, and ornamenting.....	1	Mirrors, framed and unframed, not elsewhere specified.....	2	Salt.....	1	Soap.....	2
Hand stamps.....	2	Musical instruments and materials, not specified.....	1	Shipbuilding, concrete.....	1	Structural ironwork, not made in steel works or rolling mills.....	2
Hats and caps, other than felt, straw, and wool.....	1	Photo-engraving.....	1	Shipbuilding, wooden, including boat building.....	1	Tobacco, cigars.....	5
Ice, manufactured.....	2	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1	Show cases.....	1	Trunks and valises.....	1
Lapidary work.....	1			Signs, other than electric.....	2	Window and door screens.....	1
Liquors, malt.....	1						

\* Same number reported for one or more other months.

\* Same number reported throughout the year.



MANUFACTURES—CALIFORNIA.

TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

[illegible]

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

	SAN FRANCISCO—All in-	2,360	61,258	2,451	2,420	5,322	2,515	48,550	Jy	52,622	No	39,346	53,614	40,611	12,753	159	91	Dollars.
1	dustries.																	228,397,893
2	Artificial flowers.....	4	9	4	1	4	De	5	My <sup>s</sup>	3	6	4	2	29,650				
3	Artificial stone products.....	7	49	9	3	34	Au <sup>s</sup>	45	Ja <sup>s</sup>	25	43	43	54,653					
4	Automobile bodies and parts.....	49	396	59	13	10	De	344	Fe	264	339	328	10	1	645,087			
5	Automobiles.....	5	585	4	28	51	My	542	Ja	219	479	479	3	3	3,701,867			
6	Automobile repairing.....	141	1,036	185	21	27	De	834	Fe	748	838	826	16	1	1,578,526			
7	Awnings, tents, and sails.....	9	145	11	5	12	Ap	132	Ja	95	106	88	16	1	402,610			
8	Babbit metal and solder.....	4	154	21	19	10	No	110	Ap	93	99	99	2	2	1,392,040			
9	Bags, other than paper, not including bags made in textile mills.....	6	589	1	19	53	Je	574	Ja	394	451	186	265	5,284,001				
10	Baskets, and rattan and willow ware.....	6	105	6	3	1	Ap	125	No	57	120	45	73	2	126,628			
11	Bookbinding and blank-bookmaking.....	15	201	21	5	5	De	175	Fe <sup>s</sup>	151	175	84	90	1	335,200			
12	Boots and shoes.....	7	448	4	13	11	Oc	434	Ja	386	434	272	159	3	1,253,867			
13	Boxes, paper and other, not elsewhere specified.....	15	669	11	37	41	De	434	Ja	386	434	272	159	3	1,318,497			
14	Set-up paper boxes.....	8	427	7	24	11	No	432	Ja	331	429	124	301	2	633,375			
15	All other.....	7	242	4	13	30	No	231	Mh	147	157	62	94	1	685,122			
16	Boxes, wooden packing, except cigar boxes.....	8	454	7	23	16	Mh	418	Je <sup>s</sup>	389	414	353	61	1	930,306			
17	Brass, bronze, and copper products.....	18	257	25	18	10	Ja	226	Mh	151	212	209	1	2	514,186			
18	Bread and other bakery products.....	192	2,393	261	84	240	De	1,693	Fe	1,282	1,232	593	1	2	6,654,411			
19	Biscuit and crackers.....	3	511	13	55	12	De	495	Fe	399	495	161	334	1	2,122,011			
20	All other.....	189	1,852	261	71	185	De	1,827	Fe	1,210	1,333	1,071	259	1	4,532,400			
21	Brooms.....	7	112	10	4	15	Mh <sup>s</sup>	76	Ja <sup>s</sup>	72	76	68	8	114,087				
22	Brushes.....	3	21	2	3	1	(*)	15	(*)	15	15	15	15	41,449				
23	Butter.....	8	103	6	18	16	Ap <sup>s</sup>	58	Ja	50	54	50	4	933,566				
24	Canning and preserving, fruits and vegetables.....	10	1,096	5	31	70	Ap <sup>s</sup>	58	Ja	50	54	50	4	3,930,131				
25	Canned fruits.....	6	881	5	18	57	Au	1,777	Mh	130	1,765	585	1,180	2,593,799				
26	Canned vegetables and dried fruits.....	4	215	13	13	8	Oc	369	Mh	82	298	187	109	1,336,332				
27	Carpets, rag.....	3	16	4	12	Ap <sup>s</sup>	53	Ja <sup>s</sup>	10	12	8	4	2,575					
28	Carriages and wagons, including repairs.....	6	60	6	2	6	Oc <sup>s</sup>	16	Ja	38	55	55	156,044					
29	Cars and general shop construction and repairs by steam-railroad companies.....	3	585	6	5	574	Fe	786	Je	507	539	519	20	174,017				
30	Chemicals.....	7	112	4	5	3	Mh	111	Jy	89	93	93	1,057,501					
31	Chocolate and cocoa products.....	4	295	18	10	9	Ap	282	Jy	221	245	185	60	2,711,270				
32	Cleaning and polishing preparations.....	12	53	13	8	4	Ap <sup>s</sup>	21	Ja <sup>s</sup>	18	22	18	4	169,887				
33	Clothing, men's.....	32	1,669	32	27	60	1,511	De	1,827	Fe	1,210	1,333	1,071	259	1	4,532,400		
34	Regular factory products.....	25	1,614	24	26	60	1,466	De	778	Ja	606	817	151	658	8	2,954,048		
35	Men's and youths'.....	14	742	18	16	20	1,609	De	778	Ja	606	817	151	658	8	2,954,048		
36	All other.....	11	872	6	10	40	1,466	De	778	Ja	606	817	151	658	8	2,954,048		
37	Contract work.....	7	55	8	1	45	No	933	Ap	696	929	133	796	1,672,430				
38	Clothing, women's.....	68	1,274	77	39	44	40	1,074	Ja	168	230	111	128	409,799				
39	Regular factory products.....	65	1,236	71	39	44	40	1,042	Ja	168	230	111	128	409,799				
40	Suits, skirts, and cloaks.....	24	283	20	9	11	205	Se	232	Ja	168	230	111	128	409,799			
41	Shirt waists and dresses, except house dresses.....	26	633	26	15	24	16	552	Se	607	Ja	443	583	59	1,218,586			
42	Undergarments and petti-coats.....	5	68	6	2	3	57	No <sup>s</sup>	58	Ja <sup>s</sup>	56	58	10	48	90,446			
43	All other.....	10	272	10	15	9	10	228	De	294	Fe	183	294	44	249	1	467,696	
44	Contract work.....	3	38	6	32	32	Jy	39	Fe	24	27	1	15	11	6,000			
45	Coffee and spice, roasting and grinding.....	19	1,354	9	86	457	175	627	Oc	685	Mh	573	692	409	282	1	13,537,504	
46	Coffins, burial cases, and undertakers' goods.....	6	129	5	8	11	4	101	Ap	114	Se	88	90	61	29	1,114,285		
47	Confectonary and ice cream.....	71	1,744	77	62	102	82	1,421	De	1,704	My	1,138	1,683	475	1,204	1	2,656,724	
48	Confectonary.....	62	1,645	70	55	78	78	1,343	De	1,704	My	1,138	1,683	475	1,204	1	2,656,724	
49	Ice cream.....	9	99	7	7	3	4	78	Se	83	Fe	72	77	53	24	3	30,306	
50	Cooperage, hogshounds and barrels.....	5	318	3	15	7	17	278	Ja	351	My	242	257	250	7	1,280,003		
51	Copper, tin, and sheet-iron work.....	55	613	51	43	18	16	503	Ja	599	No	364	551	8	25	1,212,630		
52	Cordials and flavoring sirups.....	5	18	2	4	2	6	Mh	13	Jy <sup>s</sup>	3	9	1	9	67,680			
53	Dental goods.....	8	50	0	3	38	(O)	38	(*)	38	30	30	3	6	22,891			
54	Electrical machinery, apparatus, and supplies.....	30	1,010	20	54	157	53	726	Oc	964	Fe	540	903	627	273	3	4,277,037	
55	Electroplating.....	7	63	12	3	1	47	No	51	Ja <sup>s</sup>	43	50	49	1	62,892			
56	Enameling.....	3	10	4	6	0	Ja <sup>s</sup>	7	Je <sup>s</sup>	4	7	6	1	4,335				
57	Engines, steam, gas, and water.....	4	163	1	15	35	11	101	Jy	145	No	38	143	143	32	726,515		
58	Engraving and diecasting.....	9	46	9	1	3	33	Mh <sup>s</sup>	34	Fe <sup>s</sup>	32	33	25	6	2	15,334		
59	Engraving, steel and copper plate, including plate printing.....	10	96	9	7	6	3	71	De	90	Ja	60	78	56	22	89,222		
60	Fancy articles, not elsewhere specified.....	8	110	3	7	12	3	80	De	80	Fe	25	80	53	32	4	55,266	
61	Metal and wood novelties.....	4	59	3	3	2	2	49	De	80	Fe	25	80	53	32	4	55,266	
62	All other.....	4	51	5	4	10	1	31	No	49	Ja <sup>s</sup>	21	45	13	32	78,701		
63	Fertilizers.....	3	178	11	92	15	60	Se	72	Ja	51	53	46	7	971,428			
64	Flavoring extracts.....	8	96	5	5	11	10	65	Au	95	Ja <sup>s</sup>	43	48	22	26	375,857		
65	Flour-mill and gristmill products.....	4	194	1	12	53	21	107	Fe	123	Je	89	114	114	114	3,001,027		

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>1</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 8,317,772	Dollars. 10,599,309	Dollars. 59,704,342	Dollars. 1,734,488	Dollars. 3,223,138	Dollars. 12,816,449	Dollars. 255,970,690	Dollars. 5,447,553	Dollars. 417,321,277	Dollars. 155,903,034	99,748	13,252	2,720	607	29	83,140	4,746	1
.....	500	4,912	.....	.....	376	4,895	144	18,340	13,301	1	.....	.....	.....	.....	1	.....	2
7,550	900	49,708	.....	2,748	578	53,204	495	143,929	90,230	60	.....	.....	.....	.....	60	.....	3
36,212	24,676	424,036	5,998	55,271	5,987	483,364	16,573	1,282,621	782,684	509	.....	.....	.....	.....	509	.....	4
80,625	78,078	720,487	14,400	6,115	1,332,772	16,716,624	31,530	20,261,186	3,513,032	439	.....	.....	.....	.....	439	.....	5
56,507	56,945	1,104,269	220,251	143,059	12,981	917,127	26,260	2,874,701	1,931,314	763	.....	.....	.....	.....	763	.....	6
18,186	13,802	173,811	.....	8,392	17,652	831,496	1,143	1,435,768	603,129	49	.....	.....	.....	.....	49	.....	7
94,487	52,736	139,424	.....	10,500	29,229	2,655,505	33,371	3,208,185	519,309	242	.....	.....	.....	.....	242	.....	8
108,854	97,287	388,081	.....	27,809	542,091	11,092,168	8,395	13,414,851	2,314,288	592	.....	.....	.....	.....	592	.....	9
6,572	889	71,364	.....	15,580	3,755	178,730	1,898	318,144	137,516	240	110	.....	.....	.....	130	.....	10
10,433	19,021	199,914	25,222	15,055	1,653	200,400	2,536	605,370	402,434	125	.....	.....	.....	.....	126	.....	11
72,927	41,040	362,056	490	9,611	124,555	1,325,444	6,759	2,249,743	917,540	191	115	.....	.....	.....	76	.....	12
94,259	80,292	446,494	.....	49,781	39,331	1,150,392	13,171	2,267,252	1,108,689	549	.....	.....	.....	.....	549	.....	13
52,885	30,263	263,223	.....	28,091	27,647	434,422	5,129	1,100,758	661,207	294	.....	.....	.....	.....	294	.....	14
41,374	50,029	183,271	.....	21,690	11,084	715,970	8,042	1,166,494	442,482	255	.....	.....	.....	.....	255	.....	15
82,235	29,314	282,511	.....	30,553	30,498	702,832	8,176	1,287,638	576,630	742	450	.....	.....	.....	292	.....	16
51,850	18,666	334,638	200	22,400	6,256	534,620	16,838	1,178,210	626,752	407	.....	.....	.....	.....	407	.....	17
268,548	522,091	2,305,636	1,842	203,207	157,830	8,999,579	217,819	14,748,495	5,531,097	1,803	102	.....	2	.....	1,759	.....	18
56,375	135,513	367,772	.....	15,180	69,084	1,323,359	17,623	2,477,275	1,136,313	403	.....	.....	.....	.....	403	.....	19
212,178	388,578	1,937,824	1,842	188,027	88,776	7,676,240	200,196	12,271,220	4,394,784	1,400	102	.....	2	.....	1,296	.....	20
2,700	13,381	69,729	.....	5,135	357	194,552	1,184	822,834	127,098	28	.....	.....	.....	.....	28	.....	21
7,200	2,290	13,651	200	605	228	32,741	1,512	66,341	32,088	25	.....	.....	.....	.....	25	.....	22
26,066	41,889	76,859	.....	9,384	25,945	4,316,593	11,796	4,689,093	360,704	288	25	.....	.....	.....	288	.....	23
170,652	167,036	967,553	310	13,508	291,147	8,564,925	32,141	11,899,240	3,282,174	753	130	.....	.....	.....	623	.....	24
128,208	128,308	777,346	.....	8,556	230,109	3,325,711	40,751	5,968,547	2,602,085	505	50	.....	.....	.....	455	.....	25
42,444	38,728	100,207	310	4,952	61,038	5,239,214	11,380	5,930,693	680,089	248	80	.....	.....	.....	168	.....	26
.....	.....	9,596	.....	1,365	27	2,271	249	22,059	19,539	12	.....	.....	.....	.....	12	.....	27
5,364	5,888	53,301	.....	2,490	207	76,195	2,536	155,408	76,677	65	.....	.....	.....	.....	65	.....	28
16,858	6,704	882,632	.....	.....	686	326,852	46,354	1,280,342	907,126	150	60	.....	.....	.....	90	.....	29
9,023	12,921	106,508	.....	1,341	18,945	1,052,916	46,222	1,343,829	244,691	310	.....	.....	.....	.....	310	.....	30
82,577	55,584	251,171	.....	8,575	285,453	3,754,700	50,615	5,062,682	1,857,967	1,353	40	.....	.....	.....	1,313	.....	31
13,615	6,783	22,112	100	4,148	589	126,391	534	231,442	104,517	15	.....	.....	.....	.....	15	.....	32
97,972	190,181	1,155,093	111,311	45,129	156,731	5,293,552	18,801	8,287,615	2,975,262	479	120	.....	.....	.....	359	.....	33
94,592	189,141	1,068,656	110,501	41,923	156,706	5,291,332	17,392	8,206,944	2,897,690	470	120	.....	.....	.....	350	.....	34
42,626	43,164	515,050	98,438	25,911	40,251	2,557,425	7,036	3,980,588	1,416,127	146	.....	.....	.....	.....	146	.....	35
51,966	145,077	583,606	12,153	16,012	116,455	2,733,937	10,856	4,226,356	1,481,563	324	120	.....	.....	.....	204	.....	36
3,380	1,040	57,337	729	3,206	25	2,190	909	80,671	77,572	9	.....	.....	.....	.....	9	.....	37
93,721	112,803	936,066	128,424	70,718	39,221	3,249,852	13,092	5,589,618	2,326,674	213	.....	.....	.....	.....	213	.....	38
93,721	112,803	912,481	127,487	75,668	39,186	3,249,802	12,452	5,555,340	2,293,086	210	.....	.....	.....	.....	210	.....	39
25,373	22,871	249,946	2,877	22,076	1,738	710,411	2,850	1,260,088	546,827	56	.....	.....	.....	.....	56	.....	40
28,718	58,489	431,173	41,441	36,376	28,844	1,451,854	5,705	2,584,234	1,126,675	98	.....	.....	.....	.....	98	.....	41
.....	9,780	32,080	51,401	4,080	1,397	354,280	704	508,003	153,019	14	.....	.....	.....	.....	14	.....	42
39,630	22,163	199,282	31,768	12,237	7,207	733,257	3,193	1,203,015	466,565	42	.....	.....	.....	.....	42	.....	43
.....	23,585	.....	937	1,050	35	50	640	34,278	33,588	8	.....	.....	.....	.....	8	.....	44
350,044	846,372	552,546	102,676	102,676	320,110	16,344,001	53,485	21,784,677	5,387,191	1,851	150	.....	.....	.....	1,701	.....	45
30,691	16,727	123,202	764	690	17,193	364,988	5,646	650,539	279,905	111	.....	.....	.....	.....	111	.....	46
179,437	235,752	1,090,143	1,152	152,847	149,346	4,104,790	91,525	7,229,611	3,033,296	1,614	80	.....	.....	.....	1,534	.....	47
152,192	230,392	988,007	1,152	134,403	139,429	3,523,004	69,235	6,305,653	2,713,414	1,390	80	.....	.....	.....	1,316	.....	48
27,245	5,360	102,136	.....	18,444	9,917	581,780	22,290	923,958	319,882	218	.....	.....	.....	.....	218	.....	49
67,607	32,748	397,739	.....	3,113	189,478	1,681,690	6,416	2,890,431	1,172,325	379	250	.....	.....	.....	129	.....	50
122,528	24,325	607,281	5,550	46,799	12,576	928,803	13,873	2,122,227	1,179,551	520	.....	.....	3	.....	517	.....	51
5,204	7,654	5,426	.....	4,240	6,454	137,866	173	264,819	126,780	13	.....	.....	.....	.....	13	.....	52
1,400	37,668	10,961	.....	4,338	55	68,452	1,004	140,664	80,208	8	.....	.....	.....	.....	8	.....	53
151,229	275,849	725,190	15,580	37,680	39,120	1,633,011	37,731	4,281,631	2,610,889	2,104	.....	.....	.....	.....	2,104	.....	54
4,692	780	83,433	.....	7,090	478	32,329	4,981	175,390	138,080	132	.....	.....	.....	.....	132	.....	55
.....	.....	10,377	.....	1,549	28	7,130	1,423	20,393	17,840	8	.....	.....	.....	.....	8	.....	56
60,761	86,996	157,375	125	3,780	6,216	291,856	4,879	713,792	417,057	386	.....	.....	4	.....	382	.....	57
.....	3,355	34,956	700	4,508	97	19,125	637	90,000	70,238	13	.....	.....	.....	.....	13	.....	58
15,929	14,215	93,020	2,824	6,145	810	52,724	1,733	268,513	214,056	48	.....	.....	.....	.....	48	.....	59
23,500	7,868	54,502	.....	7,140	592	151,145	1,659	312,835	160,031	70	.....	.....	.....	.....	70	.....	60
5,000	4,308	28,745	.....	1,594	142	19,681	1,029	96,688	75,978	62	.....	.....	.....	.....	62	.....	61
18,500	3,560	25,757	.....	5,546	450	131,464	630	216,147	84,053	8	.....	.....	.....	.....	8	.....	62
30,037	74,962	64,759	10,988	3,008	5,828	701,727	5,345	1,059,157	352,085	293	.....	.....	.....	.....	293	.....	63
35,741	57,207	40,357	2,750	14,266	11,949	607,289	2,492	956,470	286,689	49	.....	.....	.....	.....	49	.....	64
53,713	112,587	151,580	.....	5,700	58,087	5,109,663	31,342	5,735,767	594,762	1,173	100	.....	.....	.....	1,073	.....	65

\* Same number reported for one or more other months.

\* Same number reported throughout the year.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

SAN FRANCISCO—Con.															Dollars.
1	Food preparations, not elsewhere specified.	54	570	83	49	60	35	343			446	333	112	1	2,929,973
2	Macaroni, vermicelli, and noodles.	24	220	29	13	10	14	154	De 199 Ap 126	210	182	28			1,518,536
3	Sweetening sirups, other than cane.	3	18	3	2	3	2	8	Ja <sup>a</sup> 9 Oc <sup>a</sup> 5	9	7	2			32,032
4	All other food preparations—For human consumption.	21	255	48	20	32	15	140	Oc 201 Mh 119	170	87	82	1		552,287
5	For animals and fowls.	6	77	3	14	15	4	41	Fe 61 Oc 34	57	57				827,318
6	Foundry and machine-shop products.	149	2,970	127	208	192	86	2,357		2,715	2,700	13	1	1	9,408,012
7	Boiler shops.	5	275	4	20	18	3	230	Je 415 No 27	81	81				1,018,171
8	Foundries.	16	685	18	31	20	17	599	Ja 804 Oc 248	763	754	9			1,605,890
9	Machine shops.	128	2,010	105	157	154	66	1,528	Au 1,955 Oc 920	1,871	1,865	4	1	1	6,784,851
10	Fur goods.	17	251	17	7	6	21	200	Oc 231 Ja 174	227	79	143	3	2	789,020
11	Furnishing goods, men's neckwear.	4	189	5	7	19	11	147	No 197 Ja 115	169	21	148			761,145
12	Furniture.	49	1,294	66	40	57	42	1,089		1,311	1,225	80	6		4,676,756
13	Wood furniture, other than rattan and willow.	21	484	35	12	13	12	412	De 487 Ja 320	487	419	64	4		1,338,147
14	Rattan and willow and metal furniture.	4	444	1	14	32	22	375	Oc 435 Mh 329	437	424	12	1		2,773,151
15	Store and office fixtures.	24	366	30	14	12	8	302	Se 393 Ja 213	387	382	4	1		565,458
16	Gas and electric fixtures.	8	247	7	9	47	19	165	Oc <sup>a</sup> 205 My <sup>a</sup> 145	204	187	17			680,222
17	Glass, cutting, staining, and ornamenting.	14	93	15	4	8	7	59	Se <sup>a</sup> 04 Ja <sup>a</sup> 55	61	58	3			216,078
18	Gloves and mittens, leather.	11	152	12	10	8	6	116	Au 128 Ap 108	128	62	65	1		274,632
19	Grease and tallow, not including lubricating greases.	7	73	9	9	6		49	De 52 No 47	84	61	23			418,790
20	Hand stamps.	6	96	5	8	18	9	56	Jy 60 Ja <sup>a</sup> 52	56	44	12			147,417
21	Hardware.	4	56	5	3	4	2	42	De 55 Mh 29	55	55				72,646
22	Hats and caps, other than felt, straw, and wool.	15	148	13	7	3	6	119	De 145 Ap 93	146	53	89	3	1	197,923
23	House-furnishing goods, not elsewhere specified.	4	33	4	2	3	2	22	No <sup>a</sup> 29 Ja <sup>a</sup> 17	29	15	14			51,354
24	Ice, manufactured.	4	221		17	6	6	192	Se 223 Jy 179	186	186				5,172,597
25	Instruments, professional and scientific.	4	72	7	4	2	1	58	Ja 61 Ap 56	58	55	3			192,030
26	Iron and steel, welding.	10	45	11	3	1		30	My 40 Oc 24	33	32	1			49,530
27	Jewelry.	34	478	69	8	23	10	368	De 432 Au 308	430	377	51	2		735,689
28	Knit goods.	6	451	8	20	74	46	303	No 354 Ja 270	352	38	312		2	1,204,623
29	Lapidary work.	3	13	5			1	7	Au <sup>a</sup> 8 Ja <sup>a</sup> 5	8	8				4,825
30	Leather goods, not elsewhere specified.	8	146	7	10	15	8	106	De 121 My 93	121	64	57			334,007
31	Leather, tanned, curried, and finished.	7	498	6	21	15	9	447	Se <sup>a</sup> 484 Mh 394	483	442	41			3,249,875
32	Liquors, malt.	6	498		36	83	17	362	Oc 514 Mh 321	349	347	2			4,187,627
33	Lithographing.	8	683	4	26	79	39	535	No 504 Fe 482	581	476	103	1	1	2,157,573
34	Looking-glass and picture frames.	9	128	6	11	18	6	87	No 116 Fe 62	104	88	14	2		169,236
35	Lumber, planing-mill products, not including planing mills connected with sawmills.	37	547	38	32	56	8	413	No 518 Fe 307	484	483	1			1,268,435
36	Marble and stone work.	9	166	7	14	12	5	128		133	133				780,910
37	Monuments and tombstones.	3	13	3				10	Se 13 Fe 6	12	12				20,300
38	Other marble and stone work, except slate.	6	153	4	14	12	5	118	No 131 Au 102	121	121				769,919
39	Mattresses and spring beds, not elsewhere specified.	17	352	15	28	23	15	271	Oc 342 Ja 227	337	278	56	3		1,370,590
40	Millinery and lace goods, not elsewhere specified.	26	712	28	22	52	30	580		692	67	573	1	51	948,228
41	Trimmed hats and hat frames.	15	534	15	19	48	17	435	Au 486 Ja 363	457	52	353	1	51	728,280
42	All other.	11	178	13	3	4	13	145	De 231 Fe 103	235	15	220			219,048
43	Mineral and soda waters.	19	146	17	16	17	11	85	Oc 93 Mh 81	92	86	6			462,340
44	Models and patterns, not including paper patterns.	18	92	23	2	1	1	55	Au 64 Jo 50	55	45	9	1		75,804
45	Musical instruments and materials, not specified.	5	41	9	2	1		29	Oc 33 Je <sup>a</sup> 27	31	25	3	3		8,561
46	Optical goods.	4	63	3	6	18	3	33	(*) 33 (*) 33	34	30	4			103,968
47	Paints.	15	310	8	30	76	28	168	Oc 183 Ja 141	182	167	15			2,824,019
48	Patent medicines and compounds.	30	283	22	31	20	39	171		180	82	98			1,040,731
49	Patent and proprietary medicines.	19	224	11	25	19	34	135	No 141 Je <sup>a</sup> 130	147	64	83			907,582
50	Patent and proprietary compounds, not elsewhere specified.	11	59	11	6	1	5	36	Ja 81 Se 28	33	18	15			133,149
51	Perfumery and cosmetics.	12	86	12	13	4	15	42	No <sup>a</sup> 53 Ja <sup>a</sup> 36	53	26	27			278,301
52	Photo-engraving.	9	106	11	5	10	7	73	De 84 Ja 59	83	82		1		148,668
53	Photographic apparatus.	3	12	4		1	1	6	De 8 Ja <sup>a</sup> 5	8	6	2			59,048
54	Photographic materials.	12	49	9	6	6	6	22		32	24	8			103,832
55	Motion-picture films.	4	16	6		1	2	7	No <sup>a</sup> 8 Ja <sup>a</sup> 6	9	8	1			14,620
56	All other.	8	33	3	6	5	4	15	De 20 Je <sup>a</sup> 13	23	16	7			89,212
57	Pickles, preserves, and sauces.	13	557	16	26	71	29	415		556	256	299	1		2,617,055
58	Preserves.	7	486	12	21	54	25	374	Au 540 Mh 214	513	237	275	1		2,301,868
59	Pickles and sauces.	6	71	4	5	17	4	41	Jy <sup>a</sup> 48 Ap 81	43	19	24			315,187

<sup>a</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>a</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 99,547	Dollars. 104,320	Dollars. 444,633	Dollars. 10,880	Dollars. 53,678	Dollars. 27,117	Dollars. 3,218,400	Dollars. 58,598	Dollars. 4,543,271	Dollars. 1,266,273	2,003	25	75		1,903	1
34,875	28,197	237,115	8,950	17,128	7,895	966,780	32,933	1,466,664	466,951	700				700	2
6,600	4,414	7,594		2,760	2,606	132,466	1,103	189,880	56,311	145		75		70	3
34,827	48,848	138,302	1,930	12,116	6,148	938,545	16,804	1,430,496	475,147	226	25			201	4
23,245	22,861	61,522		21,674	10,468	1,180,609	7,758	1,456,231	267,864	932				932	5
752,060	351,229	3,621,824	85,678	183,946	256,234	5,438,243	220,680	13,190,292	7,531,369	5,778	16		22	5,740	6
88,373	26,023	390,202	3,000	19,150	55,122	416,537	10,436	1,246,526	819,553	1,240				1,240	7
119,142	50,644	790,076	18,095	32,786	20,009	940,739	102,807	2,408,940	1,305,394	757				757	8
544,545	274,562	2,441,546	64,583	132,010	181,103	4,080,967	107,437	9,534,826	5,346,422	3,781	16		22	3,743	9
38,125	33,055	275,912	1,064	36,040	26,003	955,439	2,663	1,790,014	831,922	34				34	10
12,934	53,601	110,774		13,212	2,197	685,897	892	1,211,902	525,113	12				12	11
177,331	134,699	1,674,556	9,227	91,533	148,281	3,002,461	62,483	6,467,810	3,402,866	3,030	325			2,705	12
58,821	29,250	564,994	2,427	24,684	7,000	1,190,119	15,379	2,356,870	1,151,372	740	75			665	13
80,252	77,712	515,308		35,366	128,757	1,066,467	36,169	2,478,488	1,375,852	1,364				1,364	14
38,258	27,737	594,254	6,800	31,483	12,464	745,875	10,935	1,632,452	875,642	926	250			676	15
39,290	81,970	185,156		6,447	6,705	599,262	6,983	1,054,803	448,558	189				189	16
8,190	17,609	94,877		12,363	1,176	283,644	6,090	529,038	230,304	46				46	17
18,731	25,165	105,815	3,922	8,047	1,656	270,882	1,468	530,135	257,785	46				46	18
10,050	3,280	65,569		4,009	2,859	699,693	19,920	949,741	230,128	213	50	55	50	58	19
20,042	19,697	61,742	950	11,480	4,295	62,848	1,816	233,268	168,604	40				40	20
9,000	8,400	62,710		3,300	752	102,948	5,709	204,124	95,467	133				133	21
14,419	14,531	130,261	6,927	8,747	1,113	325,930	4,985	600,091	269,176	29				29	22
8,731	10,962	19,416		6,061	360	138,064	5,254	229,148	85,830	113				113	23
57,235	13,518	269,995		30,596	32,663	171,889	1,005,377	800,825	2,880	1,555		400		925	24
12,120	1,617	65,195	650	3,848	6,503	138,969	1,052	253,253	113,232	46				46	25
9,600	900	57,788	42	6,760	305	34,414	6,592	167,758	129,752	105				105	26
58,140	51,846	582,114	15,049	26,752	12,275	517,105	13,214	1,439,900	909,581	492				492	27
99,480	98,709	225,538	2,581	6,770	41,682	707,357	4,445	1,402,932	691,160	134				134	28
	881	14,039	53	1,375	920	1,171	104	31,714	30,439	6				6	29
23,014	19,771	105,012		10,566	1,659	270,685	1,649	537,091	264,757	31				31	30
90,404	43,129	569,166		133,253	4,863,501	44,819	6,431,676	1,533,256	1,559	631				928	31
169,148	145,047	674,163		356,812	1,062,287	1,145,756	130,056	5,577,145	4,301,333	2,676	1,430	60		1,186	32
125,868	201,267	759,304		23,855	238,825	1,438,899	14,192	3,513,134	2,060,073	1,267	10			1,257	33
19,256	25,416	93,641	3,300	13,240	2,793	103,135	1,870	326,121	221,116	82				82	34
74,725	35,796	625,310	500	41,788	8,393	1,285,859	31,908	2,497,650	1,179,883	3,515	1,505		20	1,990	35
33,486	22,592	159,087	3,200	9,900	12,211	251,523	8,233	712,186	452,430	575	150			425	36
33,486	22,592	138,300	3,260	8,520	12,129	241,873	7,373	673,186	423,940	537	150			387	37
96,842	61,488	307,691	691	20,531	23,079	1,278,790	10,516	2,136,042	846,736	581				581	39
68,436	108,126	420,397	206	57,588	28,789	1,430,886	9,201	2,488,922	1,048,835	115				115	40
51,486	83,290	311,013		42,367	5,562	1,034,182	6,555	1,826,931	786,194	54				54	41
16,950	24,830	109,384	206	15,221	23,227	396,704	2,646	661,991	262,641	61				61	42
29,315	19,715	113,365		9,063	22,702	265,632	4,398	658,837	388,807	196	30			160	43
4,200	2,720	77,930		8,516	557	37,940	2,787	207,393	166,666	135				135	44
4,000	1,200	37,274	7,925	1,665	48	29,262	287	93,618	64,069	9				9	45
9,100	4,389	35,398		2,685	662	39,875	280	121,402	81,247	12				12	46
130,371	146,537	187,161		14,615	61,443	2,150,788	14,449	3,201,422	1,036,185	602				602	47
73,670	62,621	155,836	1,345	24,325	91,395	489,119	4,645	1,218,152	724,888	99				99	48
60,420	56,925	116,657	227	17,982	90,820	347,822	2,625	955,524	605,077	91				91	49
13,250	5,596	39,179	1,118	6,343	575	141,297	2,020	262,628	119,311	8				8	50
20,970	16,200	47,591		9,185	2,712	166,117	1,153	386,556	219,286	15				15	51
21,800	36,448	112,004	1,002	9,420	2,239	102,183	4,007	381,842	275,592	59				59	52
	1,852	7,738		2,185	173	6,423	173	22,091	15,495	6				6	53
4,925	4,102	28,780	5,164	9,790	1,454	84,738	2,211	227,398	140,449	130				130	54
	1,758	11,796	2,500	4,058	91	25,092	340	56,956	31,524	4				4	55
4,925	2,344	16,984	2,664	5,734	1,363	59,646	1,871	170,442	108,925	128				128	56
89,879	144,161	370,581	206	22,408	172,533	2,698,885	26,584	4,280,771	1,555,302	522	220			362	57
67,315	124,067	333,599	206	17,181	169,658	2,446,133	25,435	3,879,558	1,407,990	428	160			268	58
22,564	20,094	36,982		5,227	2,875	252,752	1,149	401,213	147,312	94	60			34	59

<sup>1</sup> Same number reported for one or more other months.<sup>2</sup> Same number reported throughout the year.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS, DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.					

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

SAN FRANCISCO—Con.														Dollars.		
1	Printing and publishing, book and job.	193	2,387	196	144	145	145	1,757			1,915	1,402	501	12	6,688,440	
2	Job printing.	176	2,222	180	129	113	119	1,681	De 1,855	Ja 1,550	1,838	1,345	181	12	5,177,990	
3	Book publishing and printing.	11	112	7	13	30	23	39	My 41	Ja 37	38	28	10		1,360,720	
4	Lithotype work and typesetting.	6	53	9	2	2	3	37	My 44	Ja 29	39	29	10		147,730	
5	Printing and publishing, newspapers and periodicals.	124	2,399	91	150	897	272	989			991	899	53	39	7,449,040	
6	Printing and publishing.	14	1,727	11	55	761	165	735	No 853	Je 678	739	687	23	29	6,063,706	
7	Printing, publishing, and job printing.	29	332	28	14	54	21	215	Je 219	No 212	215	183	26	6	986,213	
8	Publishing without printing.	81	340	52	81	82	86	39	Je 42	Fe 37	37	29	4	4	399,121	
9	Refrigerators.	3	25	5			1	19	Mh 21	Oc 17	20	20			37,696	
10	Rice, cleaning and polishing.	5	182	13	10	21	13	125	De 199	Se 64	199	191	7	1	1,945,865	
11	Rubber tires, tubes, and rubber goods, not elsewhere specified.	6	178	5	16	6	45	106	Ap 122	Se 95	119	95	24		523,396	
12	Saddlery and harness.	5	78	3	6	15	3	51	Ja 67	Jy 42	53	53			285,370	
13	Sausage, not made in slaughtering and meat-packing establishments.	27	202	44	4	15	5	134			173	146	27		390,046	
14	Sausage.	24	157	41	2	15	2	97	De 111	Mh 86	111	102	9		242,962	
15	Sausage casings.	3	45	3	2		3	37	De 43	Mh 32	62	44	18		147,084	
16	Shipbuilding, including boat building.	21	12,660	26	69	401	173	11,991			11,994	11,991	3		17,015,114	
17	New vessels.	6	12,414	6	58	301	169	11,790	Ja 15,904	No 1,524	11,725	11,723	2		16,620,691	
18	Repair work only.	9	225	10	10	9	4	192	Ja 342	No 16	258	257	1		364,392	
19	Small boats, and masts, spars, oars, and rigging.	6	21	10	1	1		9	Ap 14	Jy 3	11	11			30,031	
20	Shirts.	8	228	7	9	9	1	202	No 241	Ap 180	234	23	211		410,657	
21	Signs and advertising novelties.	8	126	7	10	27	4	78			87	58	29		209,955	
22	Electric signs and advertising novelties.	4	95	2	9	26	3	55	Se 67	Ja 41	64	35	29		177,890	
23	Signs, other than electric.	4	31	5	1	1	1	23	(*) 23	(*) 23	23	23			32,065	
24	Slaughtering and meat packing.	16	580	16	27	55	10	472	My 484	No 462	475	467	5	3	5,170,026	
25	Soap.	8	86	6	9	10	2	50	Mh 60	Au 42	45	35	10		781,414	
26	Sporting and athletic goods.	3	15	2	1		2	10	Mh 11	De 9	9	3	6		16,283	
27	Springs, steel, car and carriage, not made in steel works or rolling mills.	4	93		8	12	6	67	No 78	Ja 44	69	69			255,648	
28	Stamped ware, not elsewhere specified.	4	49	3	6	2	2	36	Se 65	De 21	21	12	9		154,657	
29	Steam fittings and steam and hot-water heating apparatus.	4	73	2	11	25	7	28	No 49	Fe 17	34	34			289,968	
30	Steam packing.	4	66		13	17	9	27	Jy 29	Oc 20	30	25	5		261,318	
31	Stoves and ranges.	6	152	6	13	13	3	117	Se 131	Oc 104	119	119			390,194	
32	Stoves, gas and oil.	4	83	1	8	4	3	67	De 73	Oc 60	61	61			228,920	
33	Structural ironwork, not made in steel works or rolling mills.	27	477	22	44	34	10	367	Ja 420	My 314	423	423			2,477,942	
34	Surgical appliances.	9	46	9	3	3	3	28	Jy 33	Fe 25	26	15	10	1	43,178	
35	Tinware, not elsewhere specified.	8	1,517	9	34	94	59	1,321	De 1,522	Je 1,105	1,522	1,098	424		11,190,685	
36	Tobacco, cigars and cigarettes.	73	1,394	84	33	186	36	1,055	Oc 1,202	Ja 929	1,181	516	648	17	5,746,123	
37	Tools, not elsewhere specified.	5	24	5		1	2	16	Fe 18	My 14	19	18		1	39,693	
38	Trunks and valises.	19	247	25	11	13	4	194	De 231	My 119	230	185	45		588,757	
39	Window shades and fixtures.	15	53	15	4	3	3	28	De 32	Ja 25	31	20	11		121,988	
40	Wood, turned and carved.	9	25	11	1			13	Se 16	Ap 10	13	13			41,046	
41	All other industries*.	168	5,803	128	250	478	268	4,679			5,005	4,127	857	18	3	47,221,499

\*All other industries embrace—

Aluminum manufactures.	1	Cardboard, not made in paper mills.	1	Druggists' preparations.	3	Hats, wool-felt.	1
Ammunition.	1	Carriage and wagon materials.	1	Dyeing and finishing textiles, exclusive of that done in textile mills.	1	Ink, printing.	2
Artificial limbs.	2	Carriages and sleds, children's.	1	Envelopes.	3	Ink, writing.	1
Bags, paper, exclusive of those made in paper mills.	1	Cars and general shop construction and repairs by electric-railroad companies.	2	Flags and banners.	4	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	4
Baking powders and yeast.	2	Cash registers and calculating machines.	2	Furs, dressed.	1	Iron and steel, forgings, not made in steel works or rolling mills.	2
Belting, leather.	5	Cheese.	1	Galvanizing.	1	Iron and steel, wrought pipe.	1
Billiard tables and accessories.	2	Chewing gum.	3	Gas, illuminating and heating.	1	Jewelry and instrument cases.	2
Blacking, stains, and dressings.	1	Coal-tar products.	1	Gas machines.	1	Lamps.	1
Boxes, cigar.	2	Cordage and twine.	1	Glass.	2	Lead, bar, pipe, and sheet.	1
Buttons.	5	Cutlery and edge tools.	1	Glue, not elsewhere specified.	1	Liquors, vinous.	2
Canning and preserving, fish.	2	Dairymen's and poultrymen's supplies.	2	Gold and silver, reducing and refining, not from the ore.	1	Lumber and timber products.	2
Canning and preserving, oysters.	1			Hats, fur-felt.	1		

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.						
421,785	392,482	2,058,142	359,934	188,948	139,815	3,364,019	52,889	9,500,458	6,083,550	1,808					1,898	1
366,600	325,579	1,954,403	192,704	174,030	126,895	3,306,018	50,469	8,793,209	5,436,722	1,880					1,880	2
50,085	62,471	44,259	167,170	12,138	12,516	39,691	97	578,511	538,723	5					5	3
5,100	4,432	89,480	2,780	404	404	18,310	2,323	128,738	108,105	13					13	4
554,863	1,606,249	1,547,966	554,714	215,291	245,229	3,178,071	65,910	12,201,123	8,957,142	2,065	445				1,620	5
294,032	1,310,494	1,221,690	11,190	155,733	220,085	2,720,725	52,515	9,314,542	6,541,302	1,822	445				1,377	6
98,880	107,731	276,647	46,971	23,958	13,225	296,252	11,723	1,248,658	940,683	229					229	7
161,951	188,024	49,629	496,553	35,600	2,929	161,694	1,672	1,637,923	1,475,157	14					14	8
40,428	64,723	26,043	2,147	1,732	63	85,225	492	133,625	47,907	45					45	9
38,694	39,481	99,506		74,151	149,921	6,899,395	26,607	8,355,082	1,429,180	1,582					1,582	10
				9,600	1,360	301,494	10,667	708,965	396,604	455					455	11
5,904	9,588	68,305		3,150	4,425	210,545	2,040	325,946	113,361	29					29	12
3,550	21,312	174,397	7,917	17,162	1,596	906,665	14,003	1,317,917	397,249	345	100				245	13
2,550	18,612	142,526	7,917	14,232	1,252	846,980	13,023	1,207,894	347,911	247	20				227	14
1,000	2,700	31,871		2,030	344	59,705	980	110,023	49,338	98	80				18	15
380,455	1,048,012	10,574,678	4,088	17,069	1,612,385	10,201,644	430,290	46,075,119	20,434,185	20,812	440		66		20,300	16
343,507	1,032,343	10,045,823	2,330	4,950	1,591,336	18,884,479	430,838	44,954,295	25,638,978	20,531	410		56		20,065	17
36,228	14,460	516,553	1,758	9,589	20,984	299,957	8,040	1,070,014	762,017	252	30				222	18
720	1,209	12,302		2,530	65	17,208	412	50,810	33,190	20			10		19	19
26,418	16,204	145,727	17,036	9,290	8,026	540,987	2,440	870,741	327,314	74					74	20
45,113	63,164	105,816	3,322	5,460	324	133,606	1,095	438,593	303,892	19					19	21
38,713	60,924	80,372	2,732	4,600	200	118,674	980	377,644	257,990	13					13	22
6,400	2,240	25,444	590	860	61	14,932	115	60,949	45,902	6					6	23
83,867	104,353	705,964		46,620	59,779	10,811,010	85,715	22,088,940	2,192,215	837	500				337	24
53,007	28,880	57,632		2,575	12,295	780,193	11,296	1,132,287	340,798	179	153				26	25
2,400	649	7,196		960	182	16,989	96	36,291	20,206	6					6	26
19,800	19,968	114,976		8,820	5,045	193,757	9,649	441,102	237,696	100					100	27
17,003	6,019	20,662		4,055	10,137	208,468	1,775	322,785	112,542	63					63	28
19,960	11,025	37,754		3,360	7,980	113,897	2,014	228,074	112,163	69					69	29
33,730	9,046	26,920	1,200	2,803	6,249	131,040	2,286	235,960	102,634	140	40				100	30
34,500	17,310	189,511		10,030	9,869	335,622	11,681	793,946	446,643	154					154	31
23,668	7,909	108,078	2,434	3,770	2,655	161,050	2,362	348,402	184,990	76					76	32
140,927	59,179	518,201	19,716	35,756	75,203	1,622,664	32,236	2,978,284	1,323,384	1,846	50				1,796	33
4,500	7,557	32,535	2,756	9,435	642	64,834	812	151,981	86,335	18					18	34
109,874	196,622	1,309,968		16,679	426,008	7,714,501	46,625	10,558,932	2,797,806	944					944	35
95,749	313,038	906,397		27,639	2,338,381	3,482,241	11,633	8,157,365	4,663,491	363	20				343	36
	1,838	20,663	99	2,309	205	18,458	1,474	60,811	40,879	28					28	37
20,492	23,081	205,384	286	17,812	3,186	412,493	2,796	817,450	402,161	150	80				76	38
4,022	4,205	34,875		7,771	1,431	182,990	159	285,846	102,697	9					9	39
1,800		18,259	60	2,536	250	14,405	1,367	66,762	50,930	76					76	40
954,133	980,373	5,653,067	38,045	171,904	1,310,215	45,405,501	2,805,251	61,307,688	10,096,936	20,607	3,745	2,530	40	29	14,203	41

Malt.....	2	Plated ware, knives, forks, spoons, and other flat ware.....	1	Screws, machine.....	1	Upholstering materials, not elsewhere specified.....	2
Minerals and earths, ground or otherwise treated.....	1	Plumbers' supplies, not elsewhere specified.....	1	Show cases.....	6	Vault lights and ventilators.....	2
Mirrors, framed and unframed, not elsewhere specified.....	4	Pocketbooks.....	1	Silversmithing and silverware.....	1	Vinegar and cider.....	1
Mucilage, paste, and other adhesives, not elsewhere specified.....	4	Printing and publishing, music.....	2	Smelting and refining, not from the ore.....	1	Wall plaster and composition flooring.....	4
Musical instruments, piano materials	1	Pumps, not including power pumps.....	1	Statuary and art goods.....	8	Washing machines and clothes wringers.....	2
Nets and seines.....	1	Pumps, steam.....	2	Stencils and brands.....	1	Waste, cotton.....	1
Oakum.....	2	Regalia, and society badges and emblems.....	1	Stereotyping and electrotyping.....	2	Wirework, including wire rope and cable, not elsewhere specified.....	5
Oil, not elsewhere specified.....	5	Roofing materials.....	2	Sugar, refining, not including beet sugar.....	1	Wooden goods, not elsewhere specified.....	2
Oleomargarine, and other butter substitutes.....	2	Safes and vaults.....	1	Tobacco, smoking.....	1	Wool scouring.....	2
Paper goods, not elsewhere specified.....	2	Salt.....	1	Toys and games.....	4		
		Saws.....	1	Type founding.....	1		
				Typewriter supplies, ribbon.....	1		

\* Same number reported for one or more other months.

† Same number reported throughout the year.



TABLE 36.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.		Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.					
						Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.				
									Maximum month.	Minimum month.									
1	ALAMEDA.....	52	7,143	56	55	165	80	6,787	Je	8,942	No	2,204	6,147	6,107	40	.....	.....	Dollars. 11,811,789	
2	BAKERSFIELD.....	73	1,384	72	62	39	33	1,178	Se	1,291	Fe	1,080	1,318	1,292	26	.....	.....	3,071,755	
3	EUREKA.....	52	1,159	51	40	53	38	977	Oc	1,202	Ja	766	1,084	1,005	39	40	.....	5,514,288	
4	FRESNO.....	223	5,030	238	292	418	189	3,903	Oc	6,923	Mh	2,510	6,117	4,462	1,579	58	18	12,866,594	
5	GLENDALE.....	41	299	60	15	2	6	216	Ap	232	Se	199	227	186	41	.....	.....	779,852	
6	PASADENA.....	191	1,428	207	68	43	66	1,044	Au	1,296	Fe	817	1,439	991	418	15	15	3,023,134	
7	POMONA.....	64	707	81	25	37	29	535	Jy	1,042	Fe	324	1,018	507	480	.....	31	1,784,289	
8	RICHMOND.....	40	4,854	28	230	227	64	4,305	De	4,597	Jy	4,125	4,528	4,376	139	13	.....	31,648,835	
9	RIVERSIDE.....	60	544	54	30	25	14	421	De	463	Ap	340	577	453	119	5	.....	1,689,363	
10	SAN BERNARDINO.....	54	2,417	55	117	104	34	2,107	Jy	2,340	Ja	1,733	2,308	2,090	196	22	.....	3,946,823	
11	SAN JOSE.....	201	3,908	209	175	225	209	3,090	Au	5,913	Fe	1,512	5,413	2,926	2,342	41	104	16,398,035	
12	SANTA ANA.....	74	795	75	37	28	27	628	Se	970	Ap	375	783	493	288	2	.....	2,071,709	
13	SANTA BARBARA.....	76	660	75	43	35	26	481	No	588	Mh	419	569	472	49	48	.....	1,833,463	
14	SANTA CRUZ.....	41	692	48	25	19	28	572	Au	712	Mh	441	708	518	166	20	4	2,297,652	
15	SANTA MONICA.....	29	188	38	2	5	7	136	Ap <sup>a</sup>	161	Je	77	105	63	42	.....	.....	337,112	
16	STOCKTON.....	208	4,733	242	149	544	264	3,534	Ja	3,896	Je	3,189	4,140	3,547	548	9	36	21,657,537	
17	VALLEJO.....	32	599	39	10	50	22	478	Jy	555	Fe	450	491	474	15	2	.....	4,265,127	
18	VENICE.....	9	64	7	5	2	2	48	Jy	54	Ja	44	49	20	29	.....	.....	105,031	

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reported in.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		Rent. <sup>2</sup>
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
302,991	385,469	8,787,934	1,025	11,953	908,257	10,389,177	282,815	25,440,598	14,768,606	9,306	440	.....	200	.....	8,066	435
168,290	109,248	1,605,383	702	26,760	83,348	2,909,481	260,351	5,699,051	2,529,219	3,331	775	.....	15	100	2,441	.....
115,672	102,159	1,189,417	7,216	30,033	140,005	1,740,377	50,094	3,960,268	2,169,197	3,939	3,289	.....	12	.....	638	.....
510,902	618,259	4,086,912	31,618	128,624	582,859	36,468,934	649,284	48,943,823	11,825,605	12,947	1,635	111	229	.....	10,972	476
24,880	9,409	214,111	9,009	22,576	12,621	632,533	17,361	1,173,720	523,826	640	50	.....	.....	.....	590	.....
181,471	149,543	1,141,045	36,165	112,847	52,163	3,023,224	92,818	5,767,527	2,651,485	2,008	375	115	82	1	1,435	120
84,479	69,783	651,798	1,460	30,329	133,128	1,950,379	35,549	3,754,153	1,768,225	1,324	560	100	.....	.....	664	132
673,565	334,092	7,005,894	300	19,782	3,772,389	45,382,525	2,356,597	75,315,608	27,576,486	27,914	11,475	1,115	3,550	130	11,644	109
50,864	38,424	555,869	1,340	22,714	12,186	1,258,872	33,290	2,354,476	1,062,314	827	.....	.....	.....	.....	827	.....
209,096	156,329	2,856,473	7,385	16,093	34,055	3,729,825	308,389	7,473,789	3,435,575	3,188	868	.....	.....	.....	2,320	.....
518,307	500,019	3,703,347	19,138	89,643	576,879	14,171,473	373,829	25,135,500	10,590,198	6,928	915	100	115	.....	5,798	448
69,091	76,348	568,980	580	35,374	60,287	2,079,413	52,214	3,627,249	1,495,622	1,168	15	.....	124	.....	1,029	.....
105,234	51,460	549,262	6,035	32,977	26,214	751,906	141,314	1,943,533	1,050,313	1,208	329	.....	2	.....	877	.....
62,180	54,653	643,637	17,196	14,767	90,909	1,430,548	81,913	3,944,114	2,431,353	1,930	1,390	.....	.....	.....	540	370
4,968	9,838	122,276	322	10,414	7,497	190,772	40,901	519,241	287,568	606	525	.....	.....	.....	81	.....
614,047	1,023,645	4,499,996	35,558	126,670	1,643,574	18,746,418	664,619	30,675,898	11,264,861	13,530	2,494	.....	699	.....	10,337	525
25,140	104,937	791,757	.....	16,044	77,777	15,206,871	157,474	18,056,382	2,692,037	3,993	1,205	40	11	.....	2,737	3
7,910	1,722	46,455	3,307	5,105	1,378	94,029	1,893	193,413	97,491	34	.....	.....	.....	.....	34	.....

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
302,991	385,469	8,787,934	1,025	11,953	908,257	10,389,177	282,815	25,440,598	14,768,606	9,306	440	.....	200	.....	8,066	435
168,290	109,248	1,605,383	702	26,760	83,348	2,909,481	260,351	5,699,051	2,529,219	3,331	775	.....	15	100	2,441	.....
115,672	102,159	1,189,417	7,216	30,033	140,005	1,740,377	50,094	3,960,268	2,169,197	3,939	3,289	.....	12	.....	638	.....
510,902	618,259	4,086,912	31,618	128,624	582,859	36,468,934	649,284	48,943,823	11,825,605	12,947	1,635	111	229	.....	10,972	476
24,880	9,409	214,111	9,009	22,576	12,621	632,533	17,361	1,173,720	523,826	640	50	.....	.....	.....	590	.....
181,471	149,543	1,141,045	36,165	112,847	52,163	3,023,224	92,818	5,767,527	2,651,485	2,008	375	115	82	1	1,435	120
84,479	69,783	651,798	1,460	30,329	133,128	1,950,379	35,549	3,754,153	1,768,225	1,324	560	100	.....	.....	664	132
673,565	334,092	7,005,894	300	19,782	3,772,389	45,382,525	2,356,597	75,315,608	27,576,486	27,914	11,475	1,115	3,550	130	11,644	109
50,864	38,424	555,869	1,340	22,714	12,186	1,258,872	33,290	2,354,476	1,062,314	827	.....	.....	.....	.....	827	.....
209,096	156,329	2,856,473	7,385	16,093	34,055	3,729,825	308,389	7,473,789	3,435,575	3,188	868	.....	.....	.....	2,320	.....
518,307	500,019	3,703,347	19,138	89,643	576,879	14,171,473	373,829	25,135,500	10,590,198	6,928	915	100	115	.....	5,798	448
69,091	76,348	568,980	580	35,374	60,287	2,079,413	52,214	3,627,249	1,495,622	1,168	15	.....	124	.....	1,029	.....
105,234	51,460	549,262	6,035	32,977	26,214	751,906	141,314	1,943,533	1,050,313	1,208	329	.....	2	.....	877	.....
62,180	54,653	643,637	17,196	14,767	90,909	1,430,548	81,913	3,944,114	2,431,353	1,930	1,390	.....	.....	.....	540	370
4,968	9,838	122,276	322	10,414	7,497	190,772	40,901	519,241	287,568	606	525	.....	.....	.....	81	.....
614,047	1,023,645	4,499,996	35,558	126,670	1,643,574	18,746,418	664,619	30,675,898	11,264,861	13,530	2,494	.....	699	.....	10,337	525
25,140	104,937	791,757	.....	16,044	77,777	15,206,871	157,474	18,056,382	2,692,037	3,993	1,205	40	11	.....	2,737	3
7,910	1,722	46,455	3,307	5,105	1,378	94,029	1,893	193,413	97,491	34	.....	.....	.....	.....	34	.....

<sup>2</sup> Same number reported for one or more other months.



# MINES AND QUARRIES—CALIFORNIA.

## EXPLANATION OF TERMS.

**Scope of census and period covered.**—The census of mines, quarries, and petroleum or natural-gas wells does not cover enterprises which were idle; that is, in which neither productive nor development work was done during the entire year, or the products of which were valued at less than \$500; or in the case of bituminous coal mining, producing less than 1,000 tons, or, if not productive, in which development work amounting to less than \$5,000 was done. The returns relate to the calendar year 1919. When use is made of the statistics relating to character of ownership, size of enterprises, and similar subjects, it is imperative that due attention be given their limitations, particularly in connection with any attempt to show average wages, cost of production, or profits.

**The enterprise.**—The term "enterprise" represents one or more mines and quarries, wells or groups of wells, or natural-gas gasoline plants, all within the same state, operated under a common ownership or unified control, or for which only one set of books of account was kept, and for which a single report was secured. It may cover plants at several localities within the same state. If plants under unified control were not all located within the same state, separate reports were secured in order that statistics for the several enterprises thus defined might be included in statistics for the states in which they were located. The enterprise is further defined as being limited to a single industry.

**Number of mines, quarries, wells, and plants.**—Under these designations is given the number of mines, quarries, wells, and gasoline plants shown by the returns. As a rule each group of workings at a given locality in which operations were conducted as a unit or were unified by common management or joint handling of some part of the mining process, has been considered as a single mine or quarry. Many individual openings, therefore, are not counted as individual mines. The total number reported comprises those in operation or in the course of development during the year 1919. For petroleum and natural-gas wells the individual wells were counted and the total number productive December 31, 1919, is reported. The number of natural-gas gasoline plants is the total number reported in operation during the year.

**Classification by industries.**—The enterprises reported have been grouped by industries according to the kind of products.

**Selected industries.**—The detailed table gives the principal facts separately for the leading industries of the state.

**Influence of increased prices.**—In comparing figures for cost of supplies and materials and value of products with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years.

**Persons engaged in the industry.**—The number of persons engaged in each industry, by occupation, sex, and, in the case of wage earners, also by age, was reported for a single representative day. In addition to the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12.

**Salaries and wages.**—Under these heads are given the total payments during the year for salaries and wages, respectively.

**Prevailing hours of labor.**—This inquiry called merely for the prevailing practice followed in each enterprise. Occasional variations in hours from one part of the year to another were disregarded, and also where a few wage earners might have hours differing from the majority. All the wage earners of each enterprise are therefore counted in the class within which the enterprise falls.

**Capital.**—The instructions on the schedule relating to capital were as follows: "The answer should show the total amount of capital, owned and borrowed, invested by the operator in the enterprise on the last day of the business year reported. *Do not* include securities and loans representing investments in other enterprises." The reports received in respect to capital, however, have in so many cases been defective that the data compiled only indicate very general conditions.

**Expenses.**—The expenses reported in the census of 1919 include salaries and wages; the cost of supplies, materials, and fuels, including the freight on these; cost of power purchased; the cost of contract work; royalties and rents paid; and taxes paid or assessed. The census of 1909 reported in addition to the items of expenses covered by the present census all other items of expense incident to that year's business, except interest on indebtedness, dividends, and allowances for depreciation.

**Supplies and materials, fuel, and power.**—Statistics as to supplies and materials, fuel, and power, relate to the cost of these used during the year which may be more or less than the amount purchased during the year. The term "supplies and materials" covers mine, mill, quarry, and well supplies, and mineral purchased for treatment, resale, or distribution.

**Royalties and rents.**—The amounts given under this head represent the payment to fee holders or the value of share of product credited to fee holders for mineral output from leased land, and also rents paid for plants, equipment, and privileges or easements.

**Taxes.**—The taxes include Federal capital stock; corporation income, and excess profits tax; and also state, county, and local taxes. The data compiled in respect to Federal taxes are very defective as many mining corporations are engaged in other business and have sources of income other than from mining and do not pay taxes on mining separately.

**Expenditures for development work.**—In the statistics for producing enterprises that part of the expenses for salaries, wages, contract work, supplies and materials, fuel, and power credited to development work is shown as expenditures for development work. For nonproducing enterprises the total of these expenses is given as expenditure for development work.

**Quantity of products.**—In so far as the statistics on quantities of mineral products in 1919 are available for the states, they will be found in the reports of the United States Geological Survey.

**Value of products.**—The amounts given under this heading represent the selling value at point of production or f. o. b. at point of shipment, or such other value as may represent the net value or amount received for the 1919 product under the terms by which it was disposed of, and also includes the value at point of production of products used by the operating company.

**Cost of mining and profits.**—The data do not show entire cost of mining and well operations, and can not be used for the calculation of profits. No account was taken of depreciation or interest; rent of offices and buildings other than those for mines, quarries, and wells; insurance, selling, and other sundry expenses.

**Lands controlled.**—The inquiry on land tenure was confined to land pertaining to the operations covered by the report. In many of these, however, land held in reserve for future development and for other purposes not pertaining to mining was included and also a large number of more or less unsatisfactory estimates.

**Power used.**—The figures on power represent the rated capacity of the engines, motors, etc., and not the amount in actual daily use.

**Fuel.**—Statistics of fuel are shown only for anthracite and bituminous coal, coke, wood, oil, and gas. As only the principal varieties of fuel are shown, no comparison can be made with the total cost.



## STATISTICS FOR THE STATE.

California, which ranks second among the states in size (land area 155,652 square miles) and eighth in population (3,426,861 in 1920), ranked fifth in value of mineral products for 1919. The state ranked eleventh in the total number of persons engaged in the mining industries and tenth in the average number of wage earners employed. California reported 29 productive mineral industries, a greater number than was reported by any other state.

The gross amount received for products by the operators of all mines, quarries, and wells in California in 1919 was \$163,770,243, and in 1909 was \$63,382,454. After eliminating duplication of \$875,751, the value of gold and silver ores, magnesite, and natural gas sold in 1919 by some producers to others and again reported after further treatment and resale, and, for 1909, a similar duplication of \$2,762,660 in the value of gold and silver ores, copper ores, and natural gas, the net value of products for 1919 is \$162,894,492, and for 1909 is \$60,619,794, an increase of 168.7 per cent. The figures for 1919 include receipts for mineral and other unspecified by-products, custom milling, power sold, and work or miscellaneous services for other enterprises which amounted to \$1,082,885. As the significance of amounts reported in dollars is impaired for purposes of comparison by general price increases during the decade, the increase in amount received for products does not, nor do the increases in wages, cost of supplies and materials, fuel and power, and capital invested, as shown in Table 1, correctly indicate the growth or progress of mining in California during the census period 1909 to 1919. The number of wage earners probably serves better for comparison of the mining industries as a whole for the years 1909 and 1919, and on this basis there was slight decrease for the mining industries of the state. This, however, is due to heavy decreases in the metal mining and quarrying activities partly offset by a notable increase in the petroleum and natural-gas industry. The addition of Federal income and excess-profits taxes since 1909 will account for the increase in taxes.

The industries reported for 1919, classified by principal products and listed in the order of value of products, were petroleum and natural gas, gold and silver from lode mines, gold from placer mines, copper, quicksilver, pyrite, magnesite, basalt or traprock, granite, limestone, lead and zinc, manganese ore, ores of rare metals (tungsten), clay, talc and soapstone, sandstone, abrasive materials, chromite, marble, gypsum, graphite, barytes, asphalt, iron ore, mineral pigments, asbestos, coal, silica, and feldspar.

The mining industries for which the statistics can be shown without disclosure of individual operations are ranked by value of products in Table 2.

The leading mineral industry in California in 1919, petroleum and natural gas production, reported a majority of the enterprises in the state, 63.8 per cent of the total number of wage earners, and products valued at \$139,018,663, representing 84.9 per cent of the total value of products of all mining industries in the state. California ranked third among the states in value of products of the petroleum and natural-gas industry. Production was reported principally from Fresno, Kern, Los Angeles, Orange, Santa Barbara, and Ventura Counties, but also from Sacramento, San Luis Obispo, San Joaquin, and Solano Counties.

The mining and milling of gold and silver bearing ores was second in importance in the state, and California ranked third among the states in this industry in 1919, reporting products valued by the producers at \$8,773,757. The statistics for this industry include figures for custom and merchant reduction mills and the operations on old dumps and tailings. Production was reported from 21 counties chiefly in the east-central and northern parts of the state.

Placer mining was third in rank in 1919 among the mining industries of California which was the premier state in the industry with an output valued at \$7,937,654. The productive counties were Amador, Butte, Calaveras, Eldorado, Nevada, Placer, Plumas, San Joaquin, Sacramento, Shasta, Sierra, Siskiyou, Stanislaus, Trinity, and Yuba.

The mining industries in the state, fourth and fifth, respectively, in importance, were copper mining with value of products \$2,397,610, California ranking seventh in the United States, and quicksilver production, with value of products of \$1,217,077 and California holding first place. In several of the minor mineral industries also, California stands high, ranking, on the basis of value of products in 1919, first in chromite mining, second in production of rare metals and of magnesite, and fourth in manganese, abrasive materials, and talc and soapstone.

In addition to the operation of the producing mines and quarries considerable work was done in California on properties which were not productive during the year. Sixty such enterprises were reported, 47 in metal-mining industries and 13 in the petroleum and natural-gas industry. These enterprises, with a combined capital of \$13,494,898, employed 403 wage earners and expended \$1,512,352 for development during the year, these figures representing 2 per cent of the aggregate number of wage earners and 1.5 per cent of the aggregate expenditures reported for all mining operations in the state.



The form or character of organizations conducting mining enterprises in California in 1919 is shown in Table 3 which brings out the preponderance of incorporated enterprises. Corporations operated 67.9 per cent of all the mining enterprises, employed 94.9 per cent of the average number of wage earners, and reported 96.3 per cent of the total value of products. Table 3 also shows that corporate organizations virtually controlled the petroleum and natural-gas industry and that, although they were less important as to number of enterprises in the metal-mining and quarrying industries, nevertheless they conducted the enterprises which were, on the basis of number of wage earners and value of products, the more important.

The relatively large number of small enterprises, as measured by the average number of wage earners employed, is shown in Table 4. Of the total number of mining enterprises in California, 95 per cent were in classes having no wage earners or fewer than 101, and such enterprises employed 47.8 per cent of the total number of wage earners. On the other hand, only 5 per cent of the total number of enterprises

had more than 100 wage earners each and these enterprises employed 52.2 per cent of the total number of wage earners. In Table 4, the 6 largest enterprises are shown in the petroleum and natural-gas industry, but the table is based on reports for that industry which consolidated data on operations in several localities in which the individual operations were of smaller size.

Table 5 shows that for nearly three-fourths of the enterprises employing wage earners and of the number of wage earners in all the mining industries in California in 1919, the hours of labor were 54 to 62 per week. The 8-hour day and 7-day week prevailed. Hours of labor ranging from 44 to 53 per week, indicating the 8-hour day and 6-day week, were reported for practically all other enterprises.

The statistics for wage earners presented in Table 6, showing the changes in the number employed month by month, reflect conditions prevailing in the mining industries during the census year.

Table 7 presents for 1919 statistics in detail for the state as a whole and for each industry that can be shown without the disclosure of individual operations.

TABLE 1.—COMPARATIVE SUMMARY, PRODUCING ENTERPRISES: 1919 AND 1909.

	MINING INDUSTRIES.		Per cent of increase. <sup>1</sup>		MINING INDUSTRIES.		Per cent of increase. <sup>1</sup>
	1919	1909			1919	1909	
Number of enterprises.....	725	1,329	-45.4	Capital.....	\$446,782,385	\$253,677,552	76.2
Number of mines and quarries.....	357	1,270	-72.1	Principal expenses:			
Number of petroleum and natural-gas wells.....	9,197	4,316	113.1	Salaries.....	5,141,550	2,968,779	73.2
Number of natural-gas gasoline plants.....	58	( <sup>2</sup> )		Wages.....	31,748,170	19,049,442	66.7
Persons engaged.....	22,201	24,378	-8.9	Contract work.....	1,377,278	595,130	131.4
Proprietors and firm members, total.....	442	1,790	-75.4	Supplies and materials <sup>3</sup> .....	32,692,276	21,552,312	51.7
Number performing manual labor in or about the mines, quarries, and wells.....	172	856	-79.9	Fuel and power.....	7,047,225	2,775,643	153.9
Salaried employees.....	2,415	2,062	17.1	Royalties and rents.....	10,910,833	2,814,259	287.7
Wage earners (average number).....	19,344	20,617	-5.7	Taxes.....	10,026,745	576,946	1,637.9
Power used (horsepower).....	313,213	162,238	93.1	Value of products.....	163,770,243	63,382,451	158.4

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Figures not available.<sup>3</sup> Includes for 1919 cost of ore, magnesite, and natural gas, and for 1909 cost of ore and natural gas, purchased as material or for resale.



TABLE 2.—PRINCIPAL INDUSTRIES, PRODUCING ENTERPRISES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.		INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.	
		Average number.	Per cent distribution.	Amount.	Per cent distribution.			Average number.	Per cent distribution.	Amount.	Per cent distribution.
All industries.....	725	19,344	100.0	\$163,770,243	100.0	Granite.....	17	162	0.8	\$563,485	0.3
Petroleum and natural gas.....	403	12,344	63.8	139,018,663	84.9	Limestone.....	13	245	1.3	540,987	0.3
Gold and silver, lode mines.....	99	2,881	14.9	8,773,757	5.4	Lead and zinc.....	17	115	0.6	261,454	0.2
Gold, placer mines.....	60	1,102	5.7	7,937,654	4.9	Clay.....	13	88	0.5	177,246	0.1
Copper.....	15	1,055	5.5	2,397,610	1.5	Sandstone.....	6	27	0.1	65,074	(2)
Quicksilver.....	17	485	2.5	1,217,077	0.7	Abrasive materials.....	4	17	0.1	61,313	(2)
Magnesite.....	8	230	1.2	677,661	0.4	Chromite.....	12	21	0.1	58,366	(2)
Basalt.....	16	262	1.4	635,588	0.4	All other industries <sup>1</sup> .....	25	310	1.6	1,384,308	0.8

<sup>1</sup> Includes enterprises in industries as follows: Asbestos, 1; asphalt, 2; barytes, 1; coal, bituminous, 1; feldspar, 1; graphite, 1; gypsum, 1; iron ore, 1; manganese, 3; marble, 3; mineral pigments, 2; pyrite, 3; rare metals (tungsten), 1; silica, 1; talc and soapstone, 3.  
<sup>2</sup> Less than one-tenth of 1 per cent.

TABLE 3.—CHARACTER OF ORGANIZATION, FOR SELECTED INDUSTRIES, PRODUCING ENTERPRISES: 1919.

INDUSTRY AND CHARACTER OF ORGANIZATION.	Number of enterprises.	Number of wage earners.	VALUE OF PRODUCTS.		PER CENT DISTRIBUTION.		
			Total.	Per enterprise.	Enterprises.	Wage earners.	Value of products.
ALL INDUSTRIES.....	725	19,344	\$163,770,243	\$225,890	100.0	100.0	100.0
Corporation.....	492	18,367	157,688,252	320,505	67.9	94.9	96.3
Individual.....	121	468	2,995,040	24,752	16.7	2.4	1.8
Firm.....	104	396	2,755,121	26,492	14.3	2.0	1.7
Other.....	8	113	331,830	41,479	1.1	0.6	0.2
PETROLEUM AND NATURAL GAS.....	403	12,344	139,018,663	344,959	100.0	100.0	100.0
Corporation.....	337	12,008	135,009,248	400,621	83.6	97.3	97.1
Individual.....	40	106	2,239,725	55,993	9.9	1.6	1.6
Firm.....	21	108	1,615,931	76,949	5.2	0.9	1.2
Other.....	5	32	153,759	30,752	1.2	0.3	0.1
GOLD AND SILVER, LODE MINES.....	99	2,881	8,773,757	88,624	100.0	100.0	100.0
Corporation.....	46	2,658	7,918,133	172,133	46.5	92.3	90.2
Individual.....	19	74	92,807	4,885	19.2	2.6	1.1
Firm <sup>1</sup> .....	34	149	762,817	22,436	34.3	5.2	8.7
GOLD, PLACER MINES.....	60	1,102	7,937,654	132,294	100.0	100.0	100.0
Corporation.....	28	1,005	7,697,977	271,713	46.7	91.2	95.8
Individual.....	18	65	306,590	17,033	30.0	5.9	3.9
Firm <sup>2</sup> .....	14	32	23,687	1,649	23.3	2.9	0.3
COPPER.....	15	1,055	2,397,610	159,841	100.0	100.0	100.0
Corporation.....	11	1,049	2,387,945	217,086	73.3	99.4	99.6
Firm <sup>3</sup> .....	4	6	9,665	2,416	26.7	0.6	0.4
BASALT, GRANITE, LIMESTONE, AND SANDSTONE.....	52	696	1,805,134	34,714	100.0	100.0	100.0
Corporation.....	30	642	1,668,733	55,624	57.7	92.2	92.4
Individual.....	14	30	57,667	4,119	26.9	4.3	3.2
Firm.....	8	24	78,734	9,842	15.4	3.4	4.4
QUICKSILVER.....	17	485	1,217,077	71,593	100.0	100.0	100.0
Corporation.....	7	374	957,021	136,717	41.2	77.1	78.6
Firm <sup>3</sup> .....	10	111	260,056	26,006	58.8	22.9	21.4
LEAD AND ZINC.....	17	115	261,454	15,380	100.0	100.0	100.0
Corporation.....	8	103	228,411	28,551	47.1	89.6	87.4
Individual <sup>4</sup> .....	9	12	33,043	3,671	52.9	10.4	12.6
CLAY.....	13	88	177,246	13,634	100.0	100.0	100.0
Corporation.....	7	70	140,821	20,117	53.8	79.5	79.4
Individual.....	6	18	36,425	6,071	46.2	20.5	20.5
CHROMITE.....	12	21	58,366	4,864	100.0	100.0	100.0
Individual.....	4	13	40,719	10,180	33.3	61.9	69.8
Firm.....	8	8	17,647	2,206	66.7	38.1	30.2

<sup>1</sup> Includes 2 other forms of organization.  
<sup>2</sup> Includes 1 other form of organization.

<sup>3</sup> Includes 2 individuals.  
<sup>4</sup> Includes 2 firms.



TABLE 4.—SIZE OF PRODUCING ENTERPRISES, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.		INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.	
	Number.	Per cent distrib- ution.	Number.	Per cent distrib- ution.		Number.	Per cent distrib- ution.	Number.	Per cent distrib- ution.
ALL INDUSTRIES.....	725	100.0	19,344	100.0	COPPER.....	15	100.0	1,055	100.0
No wage earners.....	90	13.2	.....	.....	No wage earners.....	1	6.7	.....	.....
1 to 5.....	276	38.1	930	4.8	1 to 5.....	4	26.7	12	1.1
6 to 20.....	195	26.9	2,578	13.3	6 to 20.....	2	13.3	15	1.4
21 to 50.....	88	12.1	3,395	17.6	21 to 50.....	1	6.7	27	2.6
51 to 100.....	34	4.7	2,333	12.1	51 to 100.....	4	26.7	304	28.8
101 to 500.....	30	4.1	6,216	32.1	101 to 500.....	3	20.0	697	66.1
501 to 1,000.....	6	0.8	3,892	20.1					
PETROLEUM AND NATURAL GAS.....	403	100.0	12,344	100.0	BASALT, GRANITE, LIMESTONE, AND SANDSTONE.....	52	100.0	896	100.0
No wage earners.....	39	9.7	.....	.....	No wage earners.....	5	9.6	.....	.....
1 to 5.....	154	38.2	636	5.2	1 to 5.....	16	30.8	34	4.9
6 to 20.....	123	30.5	1,804	14.6	6 to 20.....	20	38.5	221	31.8
21 to 50.....	48	11.9	2,120	17.2	21 to 50.....	10	19.2	308	44.3
51 to 100.....	21	5.2	1,439	11.7	101 to 500.....	1	1.9	133	19.1
101 to 500.....	12	3.0	2,453	19.9					
501 to 1,000.....	6	1.5	3,802	31.5	QUICKSILVER.....	17	100.0	485	100.0
GOLD AND SILVER, LODE MINES.....	90	100.0	2,881	100.0	1 to 5.....	8	47.1	24	4.9
No wage earners.....	22	22.2	.....	.....	6 to 20.....	3	17.6	31	6.4
1 to 5.....	33	33.3	89	3.1	21 to 50.....	4	23.5	135	27.8
6 to 20.....	20	20.2	206	7.2	101 to 500.....	2	11.8	295	60.8
21 to 50.....	11	11.1	388	13.5					
51 to 100.....	5	5.1	343	11.9	MAGNESITE.....	8	100.0	230	100.0
101 to 500.....	8	8.1	1,855	64.4	No wage earners.....	1	12.5	.....	.....
GOLD, PLACER MINES.....	60	100.0	1,102	100.0	1 to 5.....	1	12.5	1	0.4
No wage earners.....	11	18.3	.....	.....	6 to 20.....	2	25.0	19	8.3
1 to 5.....	28	46.7	73	6.6	21 to 50.....	2	25.0	49	21.3
6 to 20.....	10	16.7	113	10.3	51 to 100.....	1	12.5	52	22.6
21 to 50.....	7	11.7	228	20.7	101 to 500.....	1	12.5	109	47.4
51 to 100.....	2	3.3	137	12.4					
101 to 500.....	2	3.3	531	50.0					

TABLE 5.—NUMBER OF PRODUCING ENTERPRISES AND AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY.	TOTAL.		NUMBER WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—											
	Enter- prises.	Wage earners.	35 and under.		36 to 43.		44 to 53.		54 to 62.		63 to 71.		72 to 84.	
			Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.
All industries.....	1,629	19,344	8	104	2	2	143	4,500	458	14,411	10	324	2	3
Petroleum and natural gas.....	364	12,344	7	89	1	1	58	2,796	290	9,427	6	18	2	3
Gold and silver, lode mines.....	77	2,881	.....	.....	.....	.....	20	978	55	1,075	2	230	.....	.....
Gold, placer mines.....	49	1,102	.....	.....	.....	.....	11	47	31	984	7	71	.....	.....
Copper.....	14	1,055	.....	.....	.....	.....	2	89	12	966	.....	.....	.....	.....
Basalt, granite, limestone, and sand- stone.....	47	606	.....	.....	.....	.....	26	303	20	388	1	5	.....	.....
Quicksilver.....	17	485	.....	.....	.....	.....	2	4	15	481	.....	.....	.....	.....
Magnesite.....	7	230	.....	.....	.....	.....	2	120	5	110	.....	.....	.....	.....
All other industries.....	54	551	1	5	1	1	22	165	30	380	.....	.....	.....	.....

<sup>1</sup> Exclusive of 96 enterprises employing no wage earners in industries as follows: Asphalt, 2; chromite, 4; clay, 3; copper, 1; feldspar, 1; gold and silver, lode mines, 22; gold, placer mines, 11; granite, 3; lead and zinc, 4; limestone, 1; magnesite, 1; marble, 1; mineral pigments, 1; petroleum and natural gas, 39; sandstone, 1; talc and soap-stone, 1.



## MINES AND QUARRIES—CALIFORNIA.

TABLE 6.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY.	Aver- age num- ber em- ployed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent mini- mum is of maxi- mum.
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	Aug- ust.	Sep- tember.	Octo- ber.	Novem- ber.	Decem- ber.	
All industries.....	19,747	19,836	19,604	19,530	<b>19,025</b>	19,641	19,401	19,627	19,609	19,672	20,083	<b>20,499</b>	20,437	92.8
Producing enterprises.....	19,344	19,552	19,319	19,238	<b>18,746</b>	19,298	19,079	19,266	19,176	19,182	19,555	<b>19,916</b>	19,831	94.0
Petroleum and natural gas.....	12,344	12,060	12,313	12,224	<b>12,139</b>	12,420	12,231	12,187	12,140	12,378	12,550	<b>12,685</b>	12,801	94.8
Gold and silver, lode mines.....	2,881	2,864	2,911	2,894	<b>2,778</b>	2,914	2,846	2,904	2,903	2,768	2,821	<b>2,927</b>	2,982	92.8
Gold, placer mines.....	1,102	1,011	1,047	1,009	<b>1,010</b>	1,105	1,110	1,210	1,143	1,136	1,155	<b>1,183</b>	1,099	83.4
Copper.....	1,055	1,255	1,161	1,109	<b>1,050</b>	1,012	982	996	1,076	986	1,025	<b>1,050</b>	955	70.1
Quicksilver.....	485	686	456	431	<b>373</b>	380	482	500	507	511	510	<b>534</b>	510	45.6
Basalt.....	262	189	155	229	<b>268</b>	270	243	271	294	283	308	<b>327</b>	301	47.4
Limestone.....	215	283	240	236	<b>250</b>	253	242	228	237	225	228	<b>251</b>	257	79.5
Magnesite.....	230	183	57	150	<b>181</b>	208	240	271	270	273	307	<b>313</b>	293	17.9
Granite.....	162	143	140	136	<b>141</b>	140	134	142	136	171	201	<b>210</b>	247	54.3
Lead and zinc.....	115	137	130	132	<b>135</b>	120	112	92	93	95	105	<b>108</b>	112	67.2
Clay.....	88	71	60	66	<b>87</b>	92	90	65	86	96	144	<b>108</b>	82	45.8
Sandstone.....	27	14	16	28	<b>20</b>	24	22	39	53	27	28	<b>26</b>	27	35.9
Chromite.....	21	10	11	15	<b>19</b>	28	29	21	17	28	26	<b>31</b>	17	32.3
Abrasive materials.....	17	30	22	21	<b>24</b>	18	20	15	19	15	6	<b>6</b>	0	16.7
All other industries.....	310	<b>613</b>	588	549	301	304	290	265	197	180	142	142	<i>139</i>	22.7
Nonproducing enterprises.....	403	284	285	292	309	313	322	361	433	490	528	583	<b>606</b>	46.9
Gold and silver, lode and placer mines, copper, lead, and quicksilver.....	312	<i>199</i>	211	203	220	266	263	293	350	407	413	459	<b>460</b>	43.3
Petroleum and natural gas.....	91	85	74	89	<b>89</b>	77	59	68	83	83	115	124	<b>146</b>	40.4



TABLE 7.—DETAILED STATISTICS FOR MINING INDUSTRIES: 1919.

	Aggregate.	PRODUCING ENTERPRISES.								
		Total.	Petroleum and natural gas.	Gold and silver, lode mines. <sup>1</sup>	Gold, placer mines.	Copper.	Quick-silver.	Magnetite.	Basalt.	Granite.
Number of enterprises.....	785	725	403	99	60	15	17	8	16	17
Number of mines and quarries.....	411	357		109	78	16	17	8	17	18
Number of petroleum and natural-gas wells.....	9,212	9,197	9,197							
Number of natural-gas gasoline plants.....	58	58	58							
Capital.....	\$160,277,283	\$446,782,385	\$359,851,160	\$34,494,493	\$19,087,232	\$17,906,644	\$2,458,703	\$367,044	\$1,367,933	\$1,027,730
Principal expenses:										
Salaries and wages—										
Officers.....	\$1,260,715	\$1,230,392	\$804,252	\$81,441	\$133,771	\$44,875	\$43,020	\$13,050	\$18,421	\$32,950
Superintendents and managers.....	\$2,259,538	\$2,165,970	\$1,594,693	\$174,723	\$148,785	\$69,319	\$39,844	\$18,187	\$28,316	\$8,100
Technical employees.....	\$261,675	\$240,982	\$92,746	\$93,140	\$19,986	\$39,682	\$3,358	\$1,800		
Clerks, etc.....	\$1,513,740	\$1,405,206	\$1,281,957	\$46,913	\$45,689	\$36,730	\$10,826	\$6,820	\$9,206	\$11,977
Wage earners.....	\$32,347,888	\$31,748,170	\$22,367,544	\$3,870,121	\$1,475,406	\$1,550,430	\$620,784	\$300,328	\$334,460	\$167,992
Supplies and materials.....	\$32,618,342	\$31,816,525	\$25,385,586	\$2,172,264	\$1,041,920	\$1,078,351	\$270,746	\$180,837	\$128,746	\$148,179
Cost of ore, magnetite, and natural gas purchased for use as material or for resale.....	\$875,751	\$875,751	\$510,073	\$234,213				\$31,465		
Fuel.....	\$4,467,154	\$4,424,508	\$3,931,081	\$150,402	\$5,571	\$119,255	\$80,442	\$60,432	\$10,520	\$14,898
Power.....	\$2,060,830	\$2,622,717	\$663,249	\$572,413	\$946,036	\$271,208	\$29,133	\$11,054	\$39,206	\$18,743
Royalties and rents.....	\$10,923,104	\$10,910,833	\$10,696,356	\$43,464	\$35,157	\$8,605	\$12,566	\$46,000	\$16,038	\$785
Taxes.....	\$10,040,688	\$10,026,745	\$9,195,204	\$275,316	\$317,604	\$117,339	\$19,788	\$2,711	\$16,051	\$7,651
Contract work.....	\$1,432,915	\$1,377,278	\$998,766	\$20,507	\$126,970	\$38,738	\$7,173	\$34,753		\$250
Expenditures for development (included in the above items).....	\$29,168,509	\$27,656,157	\$25,633,823	\$1,027,359	\$140,076	\$540,730	\$106,984	\$2,368	\$125	\$8,250
Value of products.....	\$163,770,243	\$163,770,243	\$139,018,663	\$8,773,757	\$7,937,654	\$2,397,610	\$1,217,077	\$677,661	\$635,588	\$563,485
Persons engaged in industry.....	22,725	22,201	14,317	3,167	1,270	1,140	543	260	204	199
Proprietors and firm members (total).....	470	442	131	111	55	7	23	10	7	15
Number performing manual labor.....	176	172	22	32	3	3	9	2	2	8
Salaried officers.....	409	393	274	33	29	7	9	5	5	8
Superintendents and managers.....	757	709	499	67	45	21	15	8	13	4
Technical employees.....	135	127	49	39	8	20	2	1		
Clerks, etc.....	1,207	1,186	1,020	36	31	30	9	6	7	10
Wage earners (average number).....	19,747	19,344	12,344	2,881	1,102	1,055	485	230	202	162
Wage earners by occupation (Dec. 15):										
Above ground (total).....	217,514	217,147	12,810	862	1,125	2,509	326	178	337	236
Below ground (total).....	3,866	3,567		2,334	72	579	248	121		
Foremen, shift bosses, etc.—										
Above ground.....	229	215		36	84	12	9	16	14	9
Below ground.....	185	163		88	4	31	11	10		
Engineers, hoistmen, electricians, mechanics, etc.—										
Above ground.....	11,761	11,554	10,427	292	405	144	86	35	38	33
Below ground.....	124	115		84		20	0	2		
Miners, quarrymen, and drillmen, including their helpers—										
Above ground.....	442	417		14	54	11	28	10	75	63
Below ground.....	1,739	1,586		1,075	57	218	79	40		
Timbermen, trackmen, and men engaged in hauling, tramming, etc.—										
Above ground.....	221	208		38	9	31	27	18	33	2
Below ground.....	681	575		375	4	92	80	6		
Muckers, loaders, laborers, and others not classified—										
Above ground.....	4,041	3,933	2,383	176	571	147	58	32	174	57
Below ground.....	1,187	1,128		712	7	218	72	63		
Wage earners employed in mills and beneficiating plants—										
Above ground.....	820	820		306	2	164	118	66		72
Number of females included in wage earners reported above—										
Above ground.....	32	31	14	12	3		1			
Mineral and oil land operated..... acres.....	620,603	588,517	482,320	19,198	30,356	7,804	17,336	1,086	1,407	2,944
Land controlled, total..... acres.....	658,986	626,540	482,320	27,622	44,185	12,876	20,699	2,136	1,407	3,104
Mineral and oil land owned.....	402,799	376,108	300,429	17,399	21,946	7,464	8,124	490	1,171	2,830
Mineral and oil land leased.....	217,837	212,429	181,891	1,819	8,410	340	9,212	1,196	236	114
Timber and other lands owned and leased.....	38,350	38,003		8,404	13,829	5,072	3,363	450		160
Power used: Aggregate horsepower.....	319,717	313,213	220,089	33,412	29,458	12,648	1,907	610	4,792	2,479
Prime movers (horsepower, total).....	209,889	206,805	186,294	11,949	2,180	2,670	741	297	460	257
Steam engines—										
Number.....	3,170	3,144	3,084	10	2	3	4		17	12
Horsepower.....	88,674	88,032	84,471	1,871	40	400	106		425	201
Steam turbines—										
Number.....	5	5		2		3				
Horsepower.....	1,750	1,750		250		1,500				
Internal-combustion engines—										
Number.....	3,085	3,056	2,866	67	3	16	28			3
Horsepower.....	106,162	105,615	101,823	1,365	50	235	635	297	35	31
Water wheels and turbines—										
Number.....	126	107		82	18	2				1
Horsepower.....	13,303	11,388		8,463	2,090	535				25
Purchased power (horsepower, total).....	109,828	109,408	33,795	21,463	27,308	9,978	1,166	313	4,332	2,222
Electric motors operated by purchased current—										
Number.....	2,946	2,882	1,318	527	502	179	30	10	88	60
Horsepower.....	109,783	106,363	33,750	21,463	27,308	9,978	1,166	313	4,332	2,222
Other equipment operated by purchased power—										
Horsepower.....	45	45	45							
Electric motors run by current generated by enterprise using:										
Number.....	426	413	350	52	5		3			
Horsepower.....	10,663	10,382	7,462	2,770	95		20			
Fuel used:										
Coal, anthracite..... tons, 2,240 pounds..	127	125		37	2	80	1			5
Coal, bituminous..... tons, 2,000 pounds..	1,988	1,927		85	10	1,073				1
Coke..... tons, 2,000 pounds.....	1,207	1,205		3	1	556		645		
Wood..... cords.....	11,706	8,241		1,227	502	5,080	1,352			
Fuel oils..... barrels.....	2,267,667	2,264,670	2,124,490	48,985	80	23,724	19,335	23,255	5,300	6,890
Gasoline and other volatile oils..... barrels.....	11,003	10,301	442	4,194	186	458	1,693	1,024	14	92
Natural gas..... 1,000 cubic feet.....	52,202,703	52,091,849	52,061,454							

<sup>1</sup> Includes 2 reduction mills operated independently of mines and 4 operations on dumps and old tailings.<sup>2</sup> Includes 1 wage earner under 16 years of age.



TABLE 7.—DETAILED STATISTICS FOR MINING INDUSTRIES: 1919—Continued.

	PRODUCING ENTERPRISES—continued.							NONPRODUCING ENTERPRISES.		
	Limestone.	Lead and zinc.	Clay.	Sandstone.	Abrasive materials.	Chromite.	All other. <sup>1</sup>	Total.	Metal mines. <sup>2</sup>	Petroleum and natural gas.
Number of enterprises.....	13	17	13	6	4	12	25	60	47	13
Number of mines and quarries.....	13	18	13	7	4	13	26	54	54	
Number of petroleum and natural-gas wells.....										
Number of natural-gas gasoline plants.....										
Capital.....	\$1,323,063	\$5,919,640	\$532,672	\$113,602	\$36,544	\$200,908	\$2,005,017	\$13,494,898	\$11,450,451	\$2,044,447
Principal expenses:										
Salaries and wages—										
Officers.....	\$14,677	\$20,000	\$10,610			\$375	\$21,950	\$21,323	\$16,192	\$5,131
Superintendents and managers.....	\$9,342	\$16,445	\$9,112	\$37	\$3,650	\$3,000	\$42,417	\$93,568	\$69,859	\$23,709
Technical employees.....	\$3,000	\$1,800	\$2,400		\$2,465		\$10,605	\$20,693	\$14,047	\$6,646
Clerks, etc.....	\$16,520	\$4,455	\$2,520				\$21,593	\$18,534	\$7,940	\$10,595
Wage earners.....	\$289,693	\$160,334	\$89,867	\$39,041	\$25,492	\$23,120	\$410,558	\$699,715	\$409,646	\$190,072
Supplies and materials.....	\$122,176	\$57,755	\$22,066	\$20,202	\$4,342	\$8,649	\$274,066	\$801,817	\$357,781	\$444,036
Cost of ore, magnesite, and natural gas purchased for use as material or for resale.....										
Fuel.....	\$16,861	\$9,230	\$1,757	\$969	\$899	\$375	\$12,536	\$42,046	\$20,241	\$22,405
Power.....	\$18,746	\$3,032	\$3,684	\$1,631			\$42,891	\$47,133	\$39,969	\$7,164
Royalties and rents.....	\$1,000	\$3,993	\$2,639	\$2,300	\$2,205	\$4,777	\$33,067	\$12,271	\$1,444	\$10,827
Taxes.....	\$9,108	\$10,106	\$7,379	\$1,653	\$317	\$347	\$49,410	\$13,943	\$10,738	\$3,205
Contract work.....	\$1,500	\$35,589	\$12,781		\$1,463	\$3,455	\$95,751	\$55,637	\$35,334	\$20,303
Expenditures for development (included in the above items).....	\$13,488	\$142,854	\$13,756		\$1,200	\$2,500	\$22,636	\$1,512,352	\$507,668	\$704,684
Value of products.....	\$540,987	\$261,454	\$177,246	\$85,074	\$61,313	\$58,366	\$1,394,308			
Persons engaged in industry.....	275	141	109	34	33	46	373	524	410	114
Proprietors and firm members (total).....	8	11	6	6	13	23	16	28	28	
Number performing manual labor.....	2	7	1		3	12	9	4	4	
Salaried officers.....	6	4	4			1	8	16	11	5
Superintendents and managers.....	4	0	6	1	2	1	17	48	30	9
Technical employees.....	1	1	2		1		3	8	7	1
Clerks, etc.....	11	4	3				19	21	13	8
Wage earners (average number).....	245	115	88	27	17	21	310	403	312	91
Wage earners by occupation (Dec. 15):										
Above ground (total).....	333	61	104	61	31	20	154	367	212	155
Below ground (total).....		81				15	117	299	219	
Foremen, shift bosses, etc.—										
Above ground.....	11	5	5	5	1	1	7	14	14	
Below ground.....		8					10	22	22	
Enginemen, hoistmen, electricians, mechanics, etc.—										
Above ground.....	47	15	5	3	3	3	17	207	83	124
Below ground.....		2					1	9	9	
Miners, quarrymen, and drillmen, including their helpers—										
Above ground.....	112		3	15		5	27	25	25	
Below ground.....		48				9	60	153	163	
Timbermen, trackmen, and men engaged in hauling, tramping, etc.—										
Above ground.....	14	15	6		6	1	5	13	13	
Below ground.....		10				2	6	56	56	
Muckers, loaders, laborers, and others not classified—										
Above ground.....	149	4	80	38	12	8	44	108	77	31
Below ground.....		13				3	40	59	59	
Wage earners employed in mills and beneficiating plants—										
Above ground.....		22	5		9	2	54			
Number of females included in wage earners reported above—										
Above ground.....					1			1	1	
Mineral and oil land operated.....acres.	3,515	3,693	3,721	176	3,307	2,309	8,775	32,086	27,217	4,869
Land controlled, total.....acres.	4,515	3,693	3,801	197	3,307	2,370	12,333	32,446	27,577	4,869
Mineral and oil land owned.....acres.	887	3,173	2,201	73	3,297	823	6,296	26,601	24,258	2,433
Mineral and oil land leased.....acres.	2,628	490	1,520	103	10	1,981	2,479	5,408	2,972	2,436
Timber and other land owned and leased.....acres.	1,000	5	2,080	21		61	3,558	347		
Power used: Aggregate horsepower.....	1,778	826	314	585	54	101	4,130	6,504	5,481	1,023
Prime movers (horsepower, total).....	156	536	87	20	54	101	1,003	3,084	2,536	548
Steam engines—										
Number.....	2	6			1		3	26	13	13
Horsepower.....	80	155			3		300	622	239	383
Steam turbines—										
Number.....										
Horsepower.....										
Internal-combustion engines—										
Number.....	4	15	6	1	3	0	13	20	22	7
Horsepower.....	76	381	87	20	51	101	428	547	362	165
Water wheels and turbines—										
Number.....										
Horsepower.....							4	19	19	
Purchased power (horsepower, total).....							275	1,915	1,915	
Electric motors operated by purchased current—	1,622	290	227	565			3,127	3,420	2,945	475
Number.....	40	9	16	15			79	64	58	6
Horsepower.....	1,622	290	227	565			3,127	3,420	2,945	475
Other equipment operated by purchased power—										
Horsepower.....										
Electric motors run by current generated by enterprise using:										
Number.....							3	13	13	
Horsepower.....							35	281	281	
Fuel used:										
Coal, anthracite.....tons, 2,240 pounds.								2	2	
Coal, bituminous.....tons, 2,000 pounds.								61	57	4
Coke.....tons, 2,000 pounds.		94	20				44	2	2	
Wood.....cords.										
Fuel oils.....barrels.	6,781	1,639	449	48	30		50	3,465	3,465	
Gasoline and other volatile oils.....barrels.	363	185	59				3,685	3,297	288	3,000
Natural gas.....1,000 cubic feet.					90	100	1,396	1,602	349	1,253
							395	110,854		110,854

<sup>1</sup> Includes enterprises as follows: Asbestos, 1; asphalt, 2; barytes, 1; coal, bituminous, 1; feldspar, 1; graphite, 1; gypsum, 1; iron ore, 1; manganese, 3; marble, 3; mineral pigments, 2; pyrite, 3; rare metals (tungsten), 1; silica, 1; tale and soapstone, 3.

<sup>2</sup> Includes enterprises as follows: Copper, 4; gold and silver, lode mines, 32; gold, placer mines, 9; lead, 1; quicksilver, 1.