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DEPARTMENT OF COMMERCE

U. S. BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

RESIGNED APRIL 18, 1921

W. M. STEUART, DIRECTOR

APPOINTED APRIL 14, 1921

FOURTEENTH CENSUS OF THE UNITED STATES

STATE COMPENDIUM

VERMONT

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



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1925



# 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 semi-monthly 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.

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

## 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.

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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	82,730,315	4,931,905	6.0
2 GEOGRAPHIC DIVS.:														
3 New England.....	7,400,000	3,072,591	3,728,318	2,803,140	2,042,276	1,870,654	25.3	79,051	1.1	1,708,200	1,223,023	5,945,980	280,700	4.0
4 Middle Atlantic..	22,261,144	11,203,445	11,054,099	9,031,012	7,008,253	4,012,575	22.1	600,183	2.7	5,527,757	3,746,500	17,006,364	805,382	4.9
5 E. North Central.	21,475,543	11,035,041	10,440,502	11,790,370	5,925,213	3,223,270	15.0	514,554	2.4	5,350,937	3,728,706	17,130,786	405,470	2.0
6 W. North Central.	12,544,240	6,450,067	6,085,182	7,475,548	3,377,878	1,371,901	10.9	278,621	2.2	3,393,143	2,420,020	9,880,740	193,221	2.0
7 South Atlantic..	13,000,272	7,035,843	6,954,429	8,779,416	553,604	315,920	2.3	4,325,120	30.0	4,323,020	2,818,400	10,513,447	1,212,042	11.5
8 E. South Central.	8,803,307	4,471,000	4,421,017	6,002,782	202,826	71,039	0.8	2,523,532	28.4	2,818,595	1,858,050	6,077,220	845,450	12.7
9 W. South Central.	10,242,224	5,255,820	4,976,305	6,059,785	996,000	459,333	4.5	2,003,579	20.1	3,250,000	2,007,500	7,730,536	773,037	10.0
10 Mountain.....	3,336,101	1,780,209	1,546,802	2,002,508	757,106	453,225	13.6	30,801	0.9	806,406	650,638	2,564,463	132,050	5.2
11 Pacific.....	5,500,871	2,904,020	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	102,500	107,340	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	125,486	91,233	20.6	921	0.1	104,581	73,003	361,930	15,788	4.4
15 Vermont.....	352,428	178,854	173,574	228,325	78,906	44,520	12.6	572	0.2	87,303	62,544	284,472	8,488	3.0
16 Massachusetts..	3,852,350	1,800,014	1,062,342	1,230,773	1,495,217	1,077,534	28.0	45,466	1.2	907,212	633,124	3,100,700	140,007	4.7
17 Rhode Island....	604,397	297,524	306,873	473,553	240,028	173,400	28.7	10,036	1.7	149,774	95,400	483,788	31,312	6.5
18 Connecticut....	1,380,031	695,335	685,295	440,206	533,013	370,513	27.3	21,046	1.5	330,500	225,004	1,087,707	67,205	6.2
19 MIDDLE ATLANTIC:														
20 New York.....	10,385,227	5,187,350	5,197,877	3,068,206	3,717,640	2,786,112	26.8	108,483	1.0	2,401,306	1,056,005	8,402,780	425,022	5.1
21 New Jersey.....	3,165,900	1,590,075	1,565,825	1,212,075	1,085,709	738,013	23.4	117,132	3.7	780,040	525,070	2,494,246	127,661	5.1
22 Pennsylvania....	8,720,017	4,420,020	4,299,997	4,760,071	2,204,805	1,387,850	15.9	284,508	3.3	2,380,411	1,503,676	6,700,322	312,000	4.6
23 E. NORTH CENTRAL:														
24 Ohio.....	5,759,394	2,955,980	2,803,414	3,060,122	1,224,074	678,097	11.8	180,187	3.2	1,380,709	980,417	4,624,456	131,000	2.8
25 Indiana.....	2,680,300	1,480,074	1,441,310	2,320,544	308,656	150,808	5.1	80,810	2.8	745,281	515,237	2,350,214	62,034	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	173,087	3.4
27 Michigan.....	3,068,412	1,628,436	1,739,970	1,070,447	1,204,545	726,035	19.8	60,082	1.6	803,744	620,165	2,805,008	88,046	3.0
28 Wisconsin.....	2,032,007	1,366,718	1,275,340	1,054,694	1,102,116	400,128	17.5	5,201	0.2	704,000	489,671	2,060,807	50,397	2.4
29 W. NORTH CENTRAL:														
30 Minnesota.....	2,387,125	1,245,537	1,141,588	827,027	1,055,145	486,164	20.4	8,800	0.4	643,287	451,090	1,877,132	34,487	1.8
31 Iowa.....	2,404,021	1,230,302	1,174,020	1,528,553	629,081	226,647	9.4	10,005	0.8	627,248	454,078	1,913,155	20,080	1.1
32 Missouri.....	3,404,055	1,723,310	1,680,730	2,530,936	502,082	180,026	5.5	178,241	5.2	901,004	624,896	2,737,771	83,403	3.0
33 North Dakota....	640,872	341,073	305,199	207,006	300,485	131,603	20.3	467	0.1	198,020	140,280	470,210	9,937	2.1
34 South Dakota....	630,547	337,120	299,427	308,508	228,158	82,391	12.9	832	0.1	181,271	131,043	482,195	8,109	1.7
35 Nebraska.....	1,200,372	672,805	623,567	757,064	372,603	140,052	11.5	13,242	1.0	358,143	250,901	1,012,552	13,784	1.4
36 Kansas.....	1,700,257	900,221	800,036	1,308,804	280,524	110,578	0.2	57,925	3.3	483,480	350,107	1,306,725	22,821	1.6
37 SOUTH ATLANTIC:														
38 Delaware.....	223,003	113,755	109,248	130,876	32,020	19,810	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	10.9	381,106	240,080	1,185,063	64,434	5.0
40 Dist. Columbia..	437,571	203,543	234,028	230,488	58,824	28,548	6.5	100,000	25.1	89,931	58,005	377,295	10,800	2.8
41 Virginia.....	2,309,187	1,168,492	1,140,695	1,534,494	52,630	30,785	1.3	000,017	29.9	709,980	400,037	1,748,868	105,160	11.2
42 West Virginia....	1,403,701	703,100	700,601	1,232,857	82,472	01,006	4.2	86,345	5.0	437,703	297,044	1,083,305	69,413	6.4
43 North Carolina..	2,559,123	1,270,002	1,289,061	1,765,203	11,477	7,090	0.3	763,407	29.8	830,574	570,230	1,844,073	241,003	13.1
44 South Carolina..	1,083,724	538,203	545,521	790,418	12,710	6,401	0.4	864,710	51.4	576,504	303,077	1,210,316	220,067	18.1
45 Georgia.....	2,805,832	1,444,823	1,451,009	1,642,697	30,231	16,180	0.6	1,206,305	41.7	953,804	670,380	2,150,230	328,838	15.3
46 Florida.....	908,470	465,320	473,150	532,205	92,850	43,008	4.4	320,487	34.0	280,719	179,803	751,787	71,811	9.0
47 E. SOUTH CENTRAL:														
48 Kentucky.....	2,416,630	1,227,404	1,189,136	2,039,134	110,646	30,780	1.3	235,938	0.8	717,007	480,520	1,837,434	155,014	8.4
49 Tennessee.....	2,337,885	1,173,007	1,164,818	1,832,757	37,758	15,478	0.7	451,758	19.3	724,688	485,543	1,770,702	182,020	10.3
50 Alabama.....	2,348,174	1,173,105	1,175,069	1,394,120	35,241	17,002	0.8	900,052	38.4	774,048	409,888	1,730,421	278,082	16.1
51 Mississippi.....	1,700,018	807,124	893,494	820,702	10,181	8,010	0.4	935,184	52.2	602,102	389,702	1,338,612	220,734	17.2
52 W. SOUTH CENTRAL:														
53 Arkansas.....	1,752,204	895,228	856,976	1,226,602	39,090	13,975	0.8	472,220	27.0	560,870	375,115	1,302,905	121,837	9.4
54 Louisiana.....	1,798,500	903,335	895,174	941,724	110,016	44,871	2.5	700,257	38.9	574,202	327,546	1,306,006	209,062	21.0
55 Oklahoma.....	2,028,283	1,058,044	970,239	1,070,107	102,119	30,068	2.0	149,408	7.4	647,039	444,247	1,513,951	56,864	3.8
56 Texas.....	4,063,228	2,400,222	2,254,006	3,112,262	445,884	360,519	7.7	741,094	15.9	1,460,980	950,088	3,550,614	205,844	5.8
57 MOUNTAIN:														
58 Montana.....	548,880	269,941	248,948	275,803	104,837	93,020	17.1	1,058	0.3	135,886	102,021	421,443	9,544	2.3
59 Idaho.....	331,806	163,019	167,047	204,252	92,453	38,063	9.0	920	0.2	122,278	95,027	323,051	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	3,149	2.1
61 Colorado.....	930,620	492,731	440,808	603,041	204,108	116,954	12.4	11,318	1.2	230,020	175,745	747,485	24,208	3.2
62 New Mexico.....	360,350	190,466	169,884	273,317	32,279	20,077	8.1	5,733	1.6	109,738	75,110	267,595	41,037	15.6
63 Arizona.....	334,162	183,002	150,560	151,145	62,205	78,000	23.4	8,005	2.4	80,444	54,387	255,461	39,131	15.3
64 Utah.....	440,396	232,051	217,345	245,781	130,665	56,455	12.6	1,446	0.3	136,030	107,008	331,530	6,264	1.9
65 Nevada.....	77,407	40,24												

<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 117,823,105, 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, 22,893; Philippine Islands, 10,314,310 (Dec. 31, 1918); Virgin Islands, 26,051 (Nov. 1, 1917); military and naval, etc., services abroad, 117,238.

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## FOR POPULATION, AGRICULTURE, MANUFACTURES, 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.	Illiterate.			Total.	Naturalized.	Per cent illiterate.	Total.	Per cent illiterate.				Total (acres).	Average per farm.	Improved (acres).	Per cent improved.	
	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	1
4,591,477	280,826	6.1	2,829,337	1,705,291	755,527	14.8	52,315	8.5	625,877	156,564	7.4	16,990,642	108.5	6,114,601	36.0	2
13,451,656	843,582	6.3	8,549,966	4,477,732	2,024,619	16.7	409,441	6.0	1,892,789	425,147	20.7	40,572,901	95.4	26,562,107	65.5	3
13,025,595	480,238	3.7	9,676,916	2,978,575	1,576,667	11.4	356,341	8.7	4,913,633	1,084,744	28.1	117,735,179	108.5	87,894,835	74.7	4
7,278,548	180,616	2.5	5,777,875	1,291,794	874,132	6.5	187,855	12.5	5,171,596	1,096,951	34.2	256,973,229	234.3	171,394,439	66.7	5
7,212,523	1,006,764	14.0	4,805,560	287,215	131,423	13.5	2,111,952	31.5	6,416,698	1,158,976	46.8	97,775,243	84.4	48,509,886	49.6	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	7
5,243,779	611,363	11.7	3,796,823	357,220	114,258	29.1	1,062,244	30.5	5,228,199	996,088	52.9	173,449,127	174.1	64,189,606	37.0	8
1,888,921	113,384	6.0	1,421,859	394,008	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	9
3,670,077	116,240	3.2	2,584,988	939,623	482,872	8.8	34,367	5.4	1,014,173	234,164	20.1	56,152,705	239.8	23,921,533	42.6	10
475,191	18,572	3.9	379,356	94,329	40,479	12.0	876	6.8	197,601	48,227	4.2	5,425,968	112.5	1,977,329	36.4	11
281,026	15,257	5.4	198,481	82,049	36,621	16.4	388	7.7	76,021	20,523	6.7	2,603,806	126.9	702,902	27.0	12
217,042	8,152	3.8	178,442	38,232	19,825	12.5	342	8.2	125,263	29,075	11.6	4,235,811	145.7	1,691,585	39.9	13
2,411,507	142,750	5.9	1,389,441	988,913	441,416	13.6	30,412	8.2	118,554	32,001	7.1	2,494,477	77.9	908,834	36.4	14
368,637	30,819	8.2	204,916	166,886	78,175	17.5	6,554	12.5	15,136	4,083	15.5	331,600	81.2	132,855	40.1	15
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	701,096	36.9	16
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	106.8	13,158,781	63.8	17
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	2,282,555	76.8	1,555,607	68.2	18
5,039,091	303,865	6.0	3,571,608	1,274,033	565,290	20.1	191,228	7.3	948,334	202,250	21.9	17,657,513	87.3	11,847,719	67.1	19
3,558,481	126,645	3.6	2,807,874	622,523	293,535	13.4	126,940	9.7	1,139,329	256,695	29.5	23,515,888	91.6	18,542,353	78.9	20
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	21,063,332	102.7	16,680,212	79.2	21
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	22
2,215,436	85,613	3.9	1,504,907	663,160	330,958	10.5	43,407	4.9	848,710	196,447	17.7	19,032,961	96.9	12,625,521	67.9	23
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	24
1,880,834	32,869	2.4	906,810	462,582	319,390	5.6	6,666	3.5	897,181	178,478	24.7	30,221,758	169.3	21,481,710	71.1	25
1,428,682	19,444	1.4	1,201,080	214,479	153,271	5.0	12,568	9.9	984,799	218,439	41.7	33,474,896	156.8	23,606,951	85.5	26
2,038,814	77,348	3.8	1,743,313	173,551	104,448	10.0	121,328	14.3	1,211,346	263,004	28.8	34,774,679	132.2	24,832,966	71.4	27
322,918	9,373	2.9	198,345	121,047	91,187	5.9	836	4.8	394,500	77,690	25.6	36,214,751	466.1	24,563,178	67.8	28
344,846	7,640	2.2	257,595	78,027	55,164	4.9	520	6.7	382,221	74,637	34.9	34,636,491	464.1	18,199,250	52.5	29
738,310	12,972	1.8	555,753	140,899	89,733	6.6	9,437	5.7	584,172	124,417	42.9	42,225,475	339.4	23,109,624	54.7	30
1,024,144	20,970	2.0	884,979	101,209	60,889	10.2	37,010	11.2	737,377	165,286	40.4	45,425,179	274.8	30,600,760	67.4	31
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	32
862,391	58,877	6.8	626,388	93,624	49,764	14.3	141,991	22.2	279,225	47,908	28.9	4,757,999	99.3	3,136,728	65.9	33
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	34
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	99.7	9,460,492	51.0	35
752,344	61,468	8.2	645,641	55,465	14,141	25.4	51,145	18.9	477,924	87,289	16.2	9,569,790	109.6	5,520,308	57.7	36
1,210,727	204,492	16.9	856,567	6,488	3,235	7.0	342,756	32.4	1,501,227	299,763	43.5	20,021,736	74.2	8,198,409	40.9	37
779,991	179,482	23.0	396,855	5,941	3,062	6.5	376,930	38.7	1,074,693	192,693	64.5	12,426,675	64.5	6,184,169	49.8	38
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	25,441,661	81.9	13,055,209	51.3	39
536,614	58,497	10.9	316,746	38,370	16,109	6.6	181,008	24.8	281,893	54,005	25.3	6,046,691	112.0	2,297,271	38.0	40
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	13,975,746	64.7	41
1,214,947	158,163	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	11,185,802	57.3	42
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	19,576,850	76.4	9,893,407	50.5	43
876,106	182,135	20.8	414,329	7,330	3,631	13.4	453,663	35.9	1,270,432	272,101	66.1	18,196,979	66.9	9,325,677	51.2	44
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	45
924,184	229,980	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	5,626,226	56.2	46
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	47
2,430,715	233,894	9.6	1,777,552	266,718	72,121	33.3	334,428	23.4	2,277,773	436,033	53.3	114,020,621	261.5	31,227,503	27.4	48
320,562	9,071	2.8	226,355	85,709	56,627	6.0	1,262	6.7	225,667	57,677	11.3	35,070,656	608.1	11,007,278	31.4	49
234,076	4,510	1.9	193,818	36,170	23,894	6.6	699	5.9	200,902	42,106	15.9	8,875,873	198.9	4,511,680	53.9	50
115,739	2,940	2.5	89,625	23,057	12,008	9.2	1,065	6.1	67,306	15,748	12.5	11,809,351	749.9	2,102,005	17.8	51
564,529	22,080	3.9	448,781	105,017	62,813	12.8	8,106	7.4	266,073	59,934	23.0	24,462,014	408.1	7,744,767	31.7	52
185,186	34,952	18.9	149,224	21,933	5,881	28.6	4,809	4.4	161,446	29,844	12.2	24,409,633	817.9	1,717,224	7.0	53
187,929	30,636	16.3	108,658	55,973	10,708	28.7	6,559	4.8	90,560	9,975	18.1	5,802,126	581.7	712,803	12.3	54
228,682	5,679	2.5	171,375	52,254	33,192	6.5	1,104	5.0	140,249	25,662	10.9	5,050,410	196.8	1,715,890	34.0	55
52,218	3,516	6.7	34,025	13,895	6,236	8.5	277	4								

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

Table continued from preceding page.]

DIVISION AND STATE.		AGRICULTURE—Continued.							
		VALUE OF FARM PROPERTY: 1920				VALUE OF FARM PRODUCTS: 1919			
		Total.	Land and buildings.	Implement and machinery.	Livestock.	Total (gross value). <sup>1</sup>	Livestock products. <sup>2</sup>	Domestic animals sold, etc. <sup>3</sup>	Crops. <sup>4</sup>
		Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
1	United States.....	77,024,100,338	36,316,002,003	3,594,772,928	8,013,324,808	21,426,923,614	3,667,072,273	3,511,050,000	14,755,304,804
2	GEOGRAPHIC DIVISIONS:								
3	New England.....	1,173,010,504	917,408,584	92,387,525	163,163,485	505,397,030	132,411,030	55,500,000	275,175,530
4	Middle Atlantic.....	3,949,084,183	3,002,137,754	359,152,336	588,394,003	1,501,158,784	412,000,705	170,200,000	914,409,027
5	East North Central.....	17,245,362,503	14,937,041,071	780,076,805	1,621,044,117	4,410,240,080	721,387,402	784,200,000	2,818,307,792
6	West North Central.....	27,991,434,545	24,409,495,169	1,102,038,204	2,350,001,112	5,581,207,432	550,742,014	1,312,000,000	3,070,002,149
7	South Atlantic.....	6,132,017,700	5,201,773,472	283,980,857	647,103,431	2,020,345,400	204,301,003	221,550,000	2,083,808,429
8	East South Central.....	4,419,400,237	3,663,003,303	170,004,886	579,707,088	1,795,544,716	150,043,780	252,500,000	1,300,170,080
9	West South Central.....	7,622,000,027	6,201,188,072	311,098,700	1,019,770,165	2,730,481,559	181,340,648	332,200,000	2,108,022,649
10	Mountain.....	4,083,137,039	3,103,187,783	100,715,073	720,234,483	921,882,033	121,132,000	230,700,000	502,054,300
11	Pacific.....	5,307,011,460	4,060,416,734	232,357,792	405,239,934	1,281,275,805	183,145,033	127,600,000	948,854,024
12	NEW ENGLAND:								
13	Maine.....	270,520,733	204,108,071	20,037,000	39,780,102	154,070,100	20,075,210	15,700,000	100,162,324
14	New Hampshire.....	118,050,115	89,008,870	9,490,322	19,100,023	51,771,331	14,681,368	7,700,000	23,500,000
15	New York.....	222,730,620	169,117,169	21,234,130	42,385,331	99,473,142	31,573,340	13,300,000	47,999,000
16	Vermont.....	300,471,743	247,687,831	19,350,755	33,624,157	100,223,104	33,850,802	10,000,000	53,700,025
17	Massachusetts.....	33,030,706	20,387,026	2,408,501	4,840,270	13,082,138	5,307,881	1,300,000	5,340,378
18	Rhode Island.....	220,991,617	190,270,827	13,248,007	28,472,003	77,171,038	20,802,330	6,000,000	44,472,044
19	Connecticut.....								
20	MIDDLE ATLANTIC:								
21	New York.....	1,908,483,201	1,425,061,740	100,806,700	313,554,005	743,823,392	225,405,730	71,000,000	417,040,864
22	New Jersey.....	311,847,938	250,329,088	25,450,205	36,064,757	135,000,544	31,482,045	8,700,000	87,484,186
23	Pennsylvania.....	1,720,353,034	1,320,752,026	163,820,305	238,774,641	682,334,848	150,012,081	90,500,000	400,008,877
24	EAST NORTH CENTRAL:								
25	Ohio.....	3,005,000,336	2,601,435,049	140,575,200	287,055,118	941,720,007	155,587,010	159,400,000	607,037,502
26	Indiana.....	3,042,311,247	2,053,043,978	127,403,080	201,204,188	782,101,107	99,850,028	171,100,000	497,220,710
27	Illinois.....	6,000,707,235	5,097,993,506	222,019,005	440,154,004	1,208,900,947	142,851,262	274,800,000	804,737,833
28	Michigan.....	1,703,334,778	1,430,680,210	122,880,930	204,258,032	600,880,581	111,070,235	73,000,000	404,014,810
29	Wisconsin.....	2,677,282,007	2,187,881,073	167,088,909	322,312,115	780,010,283	218,022,023	103,300,000	445,847,808
30	WEST NORTH CENTRAL:								
31	Minnesota.....	3,787,420,118	3,301,168,325	181,087,068	305,163,825	734,485,441	113,230,965	104,000,000	500,020,233
32	Iowa.....	8,524,870,950	7,001,772,260	309,172,390	613,020,208	1,447,038,473	130,250,447	420,300,000	800,301,209
33	Missouri.....	3,591,068,085	3,002,967,700	138,201,340	350,899,045	952,003,253	105,001,436	270,800,000	559,047,854
34	North Dakota.....	1,750,742,005	1,488,521,405	114,180,855	157,034,035	308,055,889	30,079,932	34,900,000	301,782,035
35	South Dakota.....	2,823,870,212	2,472,803,081	112,408,208	238,668,033	411,111,307	35,730,200	63,700,000	311,000,800
36	Nebraska.....	4,201,055,992	3,712,107,700	188,104,448	330,443,784	784,077,200	54,012,075	208,700,000	510,720,771
37	Kansas.....	3,302,806,187	2,830,003,018	154,710,977	318,025,202	882,366,803	80,322,550	210,200,000	598,023,248
38	SOUTH ATLANTIC:								
39	Delaware.....	30,137,614	24,765,031	6,781,318	8,600,005	32,182,520	5,778,747	2,400,000	23,058,000
40	Maryland.....	403,638,120	386,690,850	28,070,020	48,071,250	158,178,779	25,522,172	10,800,000	100,858,008
41	District of Columbia.....	5,927,987	6,577,869	104,252	246,366	1,010,770	119,203	50,000	307,614
42	Virginia.....	1,100,558,772	1,024,435,025	50,151,406	121,060,281	425,100,212	40,311,494	61,100,000	202,824,200
43	West Virginia.....	496,430,617	410,783,400	18,305,058	67,261,193	109,000,516	20,332,070	34,000,000	90,537,450
44	North Carolina.....	1,250,160,995	1,070,392,000	54,021,303	119,152,072	614,084,854	35,800,056	41,000,000	503,220,313
45	South Carolina.....	953,064,742	813,484,300	48,062,387	91,518,155	480,070,710	20,354,000	18,000,000	437,121,837
46	Georgia.....	1,856,685,192	1,138,298,027	63,343,220	155,043,349	638,480,058	30,401,310	30,000,000	540,013,020
47	Florida.....	830,301,717	281,440,404	13,551,773	85,800,540	101,204,046	7,621,885	8,000,000	80,250,800
48	EAST SOUTH CENTRAL:								
49	Tennessee.....	1,511,901,077	1,305,158,030	48,354,857	158,387,284	512,459,424	50,028,217	90,800,000	347,338,888
50	Alabama.....	1,251,004,585	1,024,079,894	63,402,550	173,522,135	492,407,214	50,000,004	101,000,000	318,285,307
51	Mississippi.....	980,848,720	843,057,755	34,366,217	112,824,748	383,178,270	30,420,003	20,100,000	304,348,038
52	West South Central:								
53	Arkansas.....	924,905,483	753,110,000	43,432,237	127,852,580	424,488,802	30,093,050	39,400,000	340,813,256
54	Louisiana.....	539,320,070	474,038,793	32,715,010	83,072,876	287,628,032	13,013,405	12,100,000	206,182,548
55	Oklahoma.....	1,600,420,544	1,308,805,994	80,080,547	215,027,703	707,805,000	40,887,518	103,800,000	550,084,742
56	Texas.....	4,447,420,321	3,700,173,319	154,320,006	592,020,006	1,369,471,705	87,701,716	100,900,000	1,071,542,103
57	MOUNTAIN:								
58	Montana.....	985,961,808	770,707,520	55,004,212	154,180,507	142,507,141	24,809,020	40,000,000	90,075,185
59	Idaho.....	710,137,610	531,511,004	39,417,253	90,208,098	181,700,550	22,225,355	30,500,000	120,405,111
60	Wyoming.....	334,410,590	234,748,125	11,777,049	87,894,516	68,153,818	14,004,100	23,700,000	30,270,030
61	Colorado.....	1,070,794,740	800,013,000	49,804,509	100,070,580	280,205,338	20,921,202	70,000,000	181,005,230
62	New Mexico.....	325,185,969	221,814,212	9,745,360	93,626,413	76,178,758	5,447,826	28,700,000	40,610,034
63	Arizona.....	233,592,989	172,325,321	8,820,007	62,447,001	99,771,094	0,204,880	10,000,000	42,481,230
64	Utah.....	311,274,728	243,751,758	13,514,787	54,008,183	87,704,314	13,735,823	18,000,000	58,007,007
65	Nevada.....	90,779,000	60,265,214	3,030,027	20,893,625	20,418,019	4,004,640	7,700,000	13,980,303
66	PACIFIC:								
67	Washington.....	1,057,420,848	920,302,341	54,721,377	82,310,130	301,271,159	44,000,340	23,800,000	227,212,008
68	Oregon.....	818,559,751	675,213,284	41,557,125	101,779,342	209,459,266	55,146,671	38,200,000	131,884,030
69	California.....	3,431,021,801	3,073,811,100	136,080,200	221,141,402	770,544,880	103,032,013	67,600,000	589,787,377

<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.

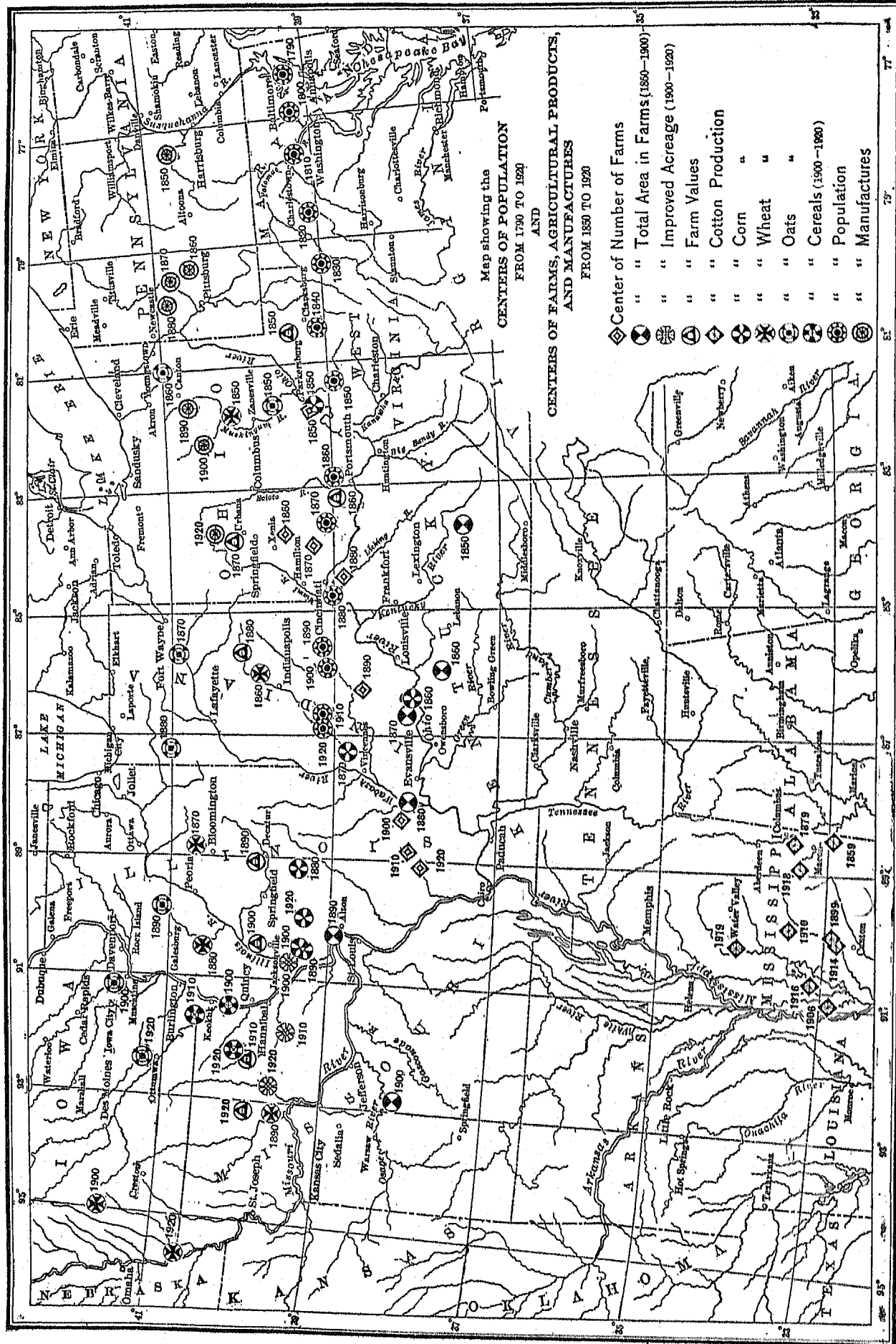
<sup>3</sup> Estimated value of domestic animals sold by farmers and animals slaughtered on the farms, whether for sale or for home consumption.

<sup>4</sup> These include forest products of farms valued (for the United States) at \$304,321,823, nursery products valued at \$20,434,380, 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.					VALUE OF PRODUCTS.			Number of establishments.	Number of mines and quarries.	Number of wells.	AVERAGE NUMBER OF WAGE EARNERS. <sup>5</sup>			Wages.			VALUE OF PRODUCTS.				
	Total.	Rank.	Per cent distribution.	Male.	Female.	Dollars.	Dollars.	Dollars.	Rank.	Per cent distribution.	Amount.	Rank.	Per cent distribution.				Total.	Per cent distribution.	Expressed in thousands.	Dollars.	Dollars.	Dollars.	Rank.	Per cent distribution.			
290,105	9,006,373	....	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	981,500	100.0	1,206,930	3,168,464	100.0	1								
25,528	1,351,380	3	14.0	955,507	395,702	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								
88,300	2,872,063	1	31.0	2,179,258	693,395	3,494,931	11,424,096	19,854,773	1	31.8	0,004	3,870	91,511	334,175	34.0	458,108	853,801	27.0	3								
61,332	2,398,018	2	26.8	2,030,024	368,094	2,932,931	10,021,087	17,737,480	2	28.4	3,772	2,324	54,413	190,011	10.4	237,038	450,483	15.2	4								
20,166	499,035	5	5.5	408,309	91,265	546,172	3,778,125	5,187,095	4	8.3	1,720	1,270	12,091	62,253	6.3	84,208	280,111	8.9	5								
20,976	817,212	4	9.0	658,092	159,120	778,027	2,500,205	4,455,152	5	7.1	2,284	1,076	27,363	120,707	13.2	149,276	352,074	11.1	6								
14,655	329,226	7	3.6	285,147	43,079	208,711	977,824	1,642,301	8	2.0	1,405	1,475	5,228	90,612	9.2	98,768	181,645	5.8	7								
13,000	285,244	8	3.1	201,907	23,277	203,022	1,547,904	2,277,801	7	3.0	2,821	495	50,087	60,030	6.3	88,445	460,727	15.5	8								
7,612	109,216	9	1.2	101,858	7,358	141,002	610,239	922,076	9	1.5	1,568	1,598	1,183	81,510	8.3	131,102	321,825	10.2	9								
10,507	435,170	6	4.8	388,718	46,461	581,260	1,808,242	3,157,010	6	5.1	858	502	0,197	26,134	2.6	40,207	178,984	5.7	10								
2,095	88,051	24	1.0	68,630	20,121	94,225	254,560	450,822	28	0.7	50	51	.....	970	0.1	1,052	1,824	0.1	11								
1,490	83,074	25	0.9	57,607	25,407	79,320	230,528	407,205	29	0.7	30	33	.....	682	0.1	825	1,598	(*)	12								
1,700	93,401	37	0.4	28,613	4,878	34,084	95,173	168,108	38	0.3	93	109	.....	2,036	0.2	3,041	8,555	0.3	13								
11,000	713,830	4	7.8	490,006	223,830	700,628	2,200,713	4,011,182	5	6.4	74	79	.....	1,704	0.2	2,069	4,170	0.1	14								
2,400	130,095	15	1.5	90,734	40,031	137,405	415,089	747,323	19	1.2	14	15	.....	369	(*)	400	952	(*)	15								
4,872	202,672	8	3.2	221,047	71,625	324,682	685,037	1,302,432	12	2.2	41	47	.....	543	0.1	647	1,040	0.1	16								
49,830	1,228,130	1	13.5	870,680	351,450	1,458,207	4,043,214	8,807,005	1	14.2	700	147	14,186	6,202	0.6	7,407	25,181	0.8	17								
11,057	508,686	6	5.6	388,410	120,267	600,658	2,270,473	3,672,065	6	5.0	97	102	.....	4,676	0.5	5,398	9,309	0.3	18								
27,073	1,135,887	2	12.5	914,150	221,678	1,406,066	4,210,400	7,315,703	2	11.7	5,807	3,621	77,325	323,397	32.9	445,218	819,451	25.0	19								
10,125	730,733	3	8.0	625,008	105,065	944,052	2,011,048	5,100,309	4	8.2	2,283	1,064	35,440	49,208	5.0	58,110	134,519	4.3	20								
7,910	277,580	9	3.1	235,808	41,775	317,043	1,174,050	1,898,763	9	3.0	508	898	2,456	20,751	2.7	30,198	52,840	1.7	21								
18,593	653,114	5	7.2	527,205	125,909	801,087	3,488,271	5,425,245	3	8.0	590	10,408	10,408	79,123	8.1	94,170	178,878	5.7	22								
8,305	471,242	7	5.2	417,708	53,534	630,708	1,019,243	3,460,188	7	5.0	122	165	10	81,292	3.2	90,400	103,870	3.3	23								
10,393	293,040	10	2.9	223,638	40,311	200,441	1,127,275	1,840,084	10	3.0	62	107	.....	8,547	0.4	4,750	10,581	0.3	24								
6,225	115,623	10	1.3	96,704	18,919	127,107	883,090	1,218,130	13	2.0	135	196	.....	17,205	1.8	29,388	180,899	4.1	25								
5,083	80,551	27	0.9	68,080	12,471	90,117	520,241	745,473	20	1.2	198	220	.....	11,274	1.1	12,467	18,474	0.6	26								
8,592	105,037	12	2.1	147,635	47,402	190,515	1,050,457	1,594,208	11	2.5	468	404	.....	14,857	1.5	16,777	83,360	1.1	27								
804	4,472	48	(*)	4,139	330	5,401	44,490	57,374	47	0.1	79	79	.....	774	0.1	1,020	1,027	0.1	28								
1,414	6,382	40	0.1	5,710	603	7,905	42,986	62,171	40	0.1	23	28	.....	1,785	0.2	2,497	5,314	0.2	29								
2,884	36,521	35	0.4	31,275	5,246	46,067	480,774	590,042	24	1.0	9	9	.....	162	(*)	160	208	(*)	30								
3,474	61,040	31	0.7	54,820	6,220	73,000	750,088	913,097	16	1.5	814	238	12,690	10,136	1.6	21,040	60,338	2.9	31								
608	20,035	30	0.3	24,744	4,201	27,205	85,433	165,073	40	0.3	7	8	.....	110	(*)	130	244	(*)	32								
4,937	140,342	14	1.5	104,977	35,305	147,897	549,347	873,945	17	1.4	126	161	.....	5,028	0.6	6,152	9,690	0.3	33								
505	10,482	43	0.1	9,103	1,280	13,180	89,940	138,520	45	0.1	8	8	.....	12	(*)	8	10	(*)	34								
5,003	119,352	18	1.3	99,353	19,009	120,007	371,841	643,512	23	1.0	202	210	.....	14,547	1.5	16,777	29,893	0.9	35								
2,785	83,036	26	0.7	74,084	8,352	101,840	270,941	471,971	27	0.8	1,714	1,325	27,363	100,812	10.3	110,678	205,607	9.3	36								
5,000	157,050	13	1.7	116,301	41,208	120,680	528,006	943,808	15	1.5	102	106	.....	1,800	0.2	1,489	2,730	0.1	37								
2,004	70,450	28	0.0	60,800	18,050	82,506	227,089	381,453	32	0.0	20	20	.....	938	0.1	680	1,351	(*)	38								
4,803	123,441	17	1.4	90,282	24,159	101,180	440,490	698,237	21	1.1	74	82	.....	2,307	0.2	2,017	4,082	0.1	39								
2,582	74,415	20	0.8	68,008	6,747	67,433	92,080	213,327	35	0.3	30	55	.....	8,372	0.8	3,108	8,076	0.3	40								
3,057	69,340	30	0.8	58,584	10,756	67,034	235,715	395,600	31	0.6	938	804	5,214	43,563	4.4	40,551	98,487	3.1	41								
4,580	95,167	23	1.0	70,187	18,980	81,355	344,707	556,253	25	0.9	203	203	.....	14,470	1.5	12,987	23,292	0.7	42								
3,054	107,159	21	1.2	90,783	10,376	99,066	300,604	492,731	26	0.8	204	348	.....	32,579	3.3	30,280	59,866	1.9	43								
2,465	87,560	33	0.6	54,593	2,967	51,263	90,678	107,747	37	0.3	(*)	.....	.....	.....	.....	.....	.....	.....	44								
3,123	49,954	34	0.5	47,838	2,116	47,180	102,813	200,313	36	0.3	120	120	.....	3,680	0.4	4,573	8,404	0.3	45								
2,017	95,265	22	1.1	88,280	10,000	94,400	431,404	676,100	22	1.1	137	4	2,470	5,228	0.5	7,505	40,017	1.3	46								
2,445	20,503	38	0.3	27,040	1,857	85,028	312,606	401,363	30	0.0	1,034	284	44,735	33,914	3.5	40,800	281,928	8.0	47								
5,724	107,522	20	1.2	98,224	9,208	110,404	701,171	999,060	14	1.0	624	81	8,740	18,164	1.9	29,568	100,378	5.1	48								
1,200	17,100	41	0.2	10,008	582	24,743	122,152	166,604	30	0.3	250	200	.....	10,120	1.0	25,724	40,024	1.0	49								
922	13,017	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	6,034	46	0.1	6,545	80	11,180	42,250	81,445	43	0.1	100	87	.....	0,699	1.0	14,576	41,920	1.3	51								
2,931	35,254	36	0.4	31,002	3,352	42,975	174,870	275,022	34	0.4	477	523	.....	10,750	1.7	25,405	51,217	1.0	52								
387	5,730	47	0.1	5,610	120	6,650	7,727	17,856	40	(*)	85	103	.....	7,100	0.7	10,404	18,872	0.6	53								
480	8,528	44	0.1	8,388	140	12,015	92,045	120,780	42	0.2	155	172	.....	15,298	1.6	26,193	58,478	2.8	54								
1,100	18,808	40	0.2	16,207	2,571	21,455	110,154	166,933	41	0.3	141	154	.....	9,847	1.0	17,107	41,511	1.3	55								
166	8,110	49	(*)	3,057	62	4,318	10,400	22,874	48	(*)	203	207	.....	4,231	0.4	7,401	18,094	0.6	56								
4,018	132,028																										



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.



# VERMONT.

## NUMBER AND DISTRIBUTION OF INHABITANTS.

**Population of the state.**—According to the Fourteenth Census, taken as of January 1, 1920, the population of Vermont is 352,428. This represents a decrease of 3,528, or 1 per cent, from the population in 1910. During the same period the rate of increase

for the United States was 14.9. The following summary shows the population of Vermont from 1790 to 1920, inclusive, together with the number and per cent of increase in each decade, in comparison with the per cent of increase for the United States as a whole:

POPULATION OF VERMONT: 1790 TO 1920.

[A minus sign (—) denotes decrease.]

CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		Per cent of increase for the United States.
		Number.	Per cent.	
1920.....	352,428	—3,528	—1.0	14.9
1910.....	355,956	12,315	3.6	21.0
1900.....	343,641	11,219	3.4	20.7
1890.....	332,422	136	( <sup>1</sup> )	25.5
1880.....	332,286	1,735	0.5	30.1
1870.....	330,551	15,453	4.9	22.6
1860.....	315,098	978	0.3	35.6
1850.....	314,120	22,172	7.6	35.9
1840.....	291,948	11,296	4.0	32.7
1830.....	280,652	44,671	18.9	33.5
1820.....	235,981	18,086	8.3	33.1
1810.....	217,895	63,430	41.1	36.4
1800.....	154,465	69,040	80.8	35.1
1790.....	85,425			

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

**Counties.**—Vermont has 14 counties, 8 of which show a decrease in population during the last decade. (See Table 1.) There have been no changes in county boundaries since 1910.

**Density of population.**—The total land area of the state is 9,124 square miles and the average number of persons to the square mile in 1920 is 38.6 (see Table 1); in 1910 and 1900 the averages were 39 and 37.7, respectively.

**Minor civil divisions.**—The political units into which counties are divided are collectively termed "minor civil divisions." In Vermont the counties are divided into 255 primary divisions, comprising 240 towns, 7 cities, 4 gores, 3 unorganized townships, and 1 grant. Averys gore, in Franklin County, for which no population has been reported at the last three censuses, is not shown in Table 2. The 69 villages constitute the secondary divisions, all of which form parts of the

**HISTORICAL NOTE.**—The name Vermont is of French origin and signifies "green mountain."

The first visit by white men to the territory now covered by this state was probably made in 1609, when the French explorer, Samuel de Champlain, discovered the lake which bears his name. The first permanent white settlement was founded in 1724, when the English built Fort Dummer near the present site of Brattleboro.

The territory now embraced within the limits of Vermont was included in the grants conveyed by the first charter of Virginia, 1606, the charter of New England, 1620, and the royal grants of 1664 and 1674 to the Duke of York. Until 1740 a considerable portion of what is now Vermont had been claimed by the Massachusetts colony, under the terms of the charter of 1620, which granted it all the lands lying "within the space of three English miles to the northward of the \* \* \* Merrimac, or to the northward of any and every part thereof," and extending westward to the Pacific; but in 1740 the present northern boundary of Massachusetts was established by royal decree.

For some years prior to 1764 New Hampshire contested the claim of New York to the territory west of the Connecticut River, on the grounds that the charters of

1664 and 1674 were obsolete, and that, Massachusetts and Connecticut having been allowed to extend their boundaries westward to within about 20 miles of the Hudson, New Hampshire should be given the same privilege. The original grant of New Hampshire had not included the territory in dispute, and in 1764 the claim of New York was sustained by royal decree. Nevertheless, the "New Hampshire Grants," as the country west of the Connecticut was then called, remained in dispute between New Hampshire and New York until the outbreak of the Revolution.

In January, 1777, a convention at Westminster declared the Grants an independent state with the name New Connecticut. In June, at an adjourned session, the present name was adopted, and in July, at a third session, the constitution was drafted.

Vermont continued an independent republic until March, 1791. At that date it became a member of the Union, being the first state admitted after the adoption of the Constitution by the original thirteen states.

In 1781 Vermont had laid claim to territory extending westward to the Hudson and a line drawn due north from the source of that river to the international line, but in 1790 its boundaries were established substantially as they now exist.

towns in which they are located. (See Table 2.)

Cities.—Vermont has 7 cities, only 3 of which exceed 10,000 in population—Burlington, Rutland, and Barre. (See Tables 3 and 4.) The following summary shows

for each of the cities having 5,000 inhabitants or more in 1920 the population at each census for which figures are available, together with the increase during each decade:

POPULATION OF PRINCIPAL CITIES FROM EARLIEST CENSUS TO 1920.

[A minus sign (—) denotes decrease.]

CITY AND CENSUS YEAR.	Popu- lation.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Popu- lation.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Popu- lation.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.			Number.	Per cent.
<b>Barre:</b>				<b>Montpelier:</b>				<b>Montpelier—Con.</b>			
1920.....	10,008	—720	—6.8	1920.....	7,125	—731	—9.3	1800.....	880	771	653.4
1910.....	10,734	2,280	27.1	1910.....	7,856	1,500	25.4	1700.....	118		
1900.....	8,448	4,302	103.8	1900.....	6,266	2,106	50.6	<b>Rutland:</b>			
1890.....	4,146			1890.....	4,160	941	29.2	1920.....	14,954	1,408	10.4
<b>Burlington:</b>				1880.....	3,219	190	6.5	1910.....	13,546	2,047	17.8
1920.....	22,770	2,311	11.3	1870.....	3,023	612	25.4	1900.....	11,400		
1910.....	20,468	1,828	9.8	1860.....	2,411	101	4.4	<b>St. Albans:</b>			
1900.....	18,640	4,050	27.8	1850.....	2,310	—1,415	—38.0	1920.....	7,588	1,207	18.9
1890.....	14,590	3,225	28.4	1840.....	3,725	740	24.8	1910.....	6,381	142	2.3
1880.....	11,865	—3,022	—21.0	1830.....	2,985			1900.....	6,239		
1870.....	14,387			1820.....	(1)						
				1810.....	1,877	988	111.1				

<sup>1</sup> Not returned separately.

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 of 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 popu-

lation 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 Vermont living in places of 2,500 or more increased from 22.1 in 1900 to 27.8 in 1910 and to 31.2 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.....		352,428		355,950		343,041	100.0	100.0	100.0
<b>Urban territory.....</b>	<b>14</b>	<b>109,976</b>	<b>14</b>	<b>98,917</b>	<b>10</b>	<b>75,831</b>	<b>31.2</b>	<b>27.8</b>	<b>22.1</b>
Cities and villages of—									
10,000 to 25,000 inhabitants.....	3	47,741	3	44,748	2	30,130	18.6	12.6	8.8
5,000 to 10,000 inhabitants.....	0	41,714	5	33,658	0	37,572	11.8	9.5	10.9
2,500 to 5,000 inhabitants.....	5	20,521	6	20,511	2	8,120	5.8	8.8	2.4
<b>Rural territory.....</b>		<b>242,452</b>		<b>257,039</b>		<b>267,210</b>	<b>68.8</b>	<b>72.2</b>	<b>77.9</b>
Villages of less than 2,500 inhabitants <sup>1</sup> .....	63	52,187	48	45,555	38	39,930	14.8	12.8	11.6
Other rural territory.....		190,265		211,484		227,280	54.0	59.4	66.3

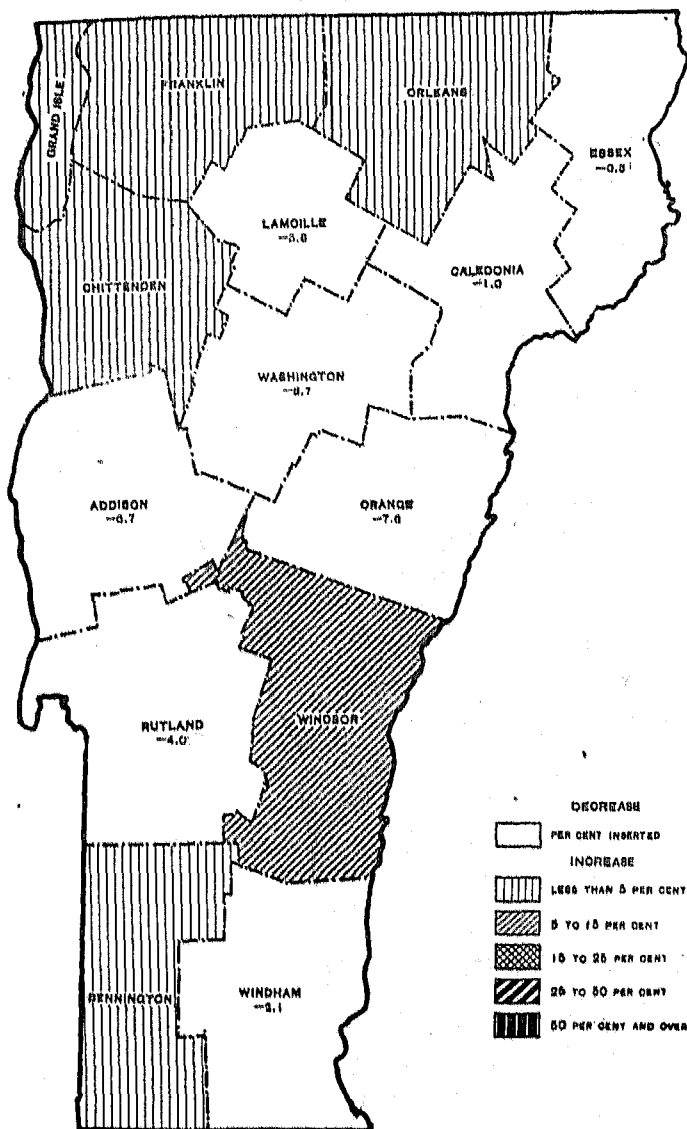
<sup>1</sup> Includes Vergennes city.



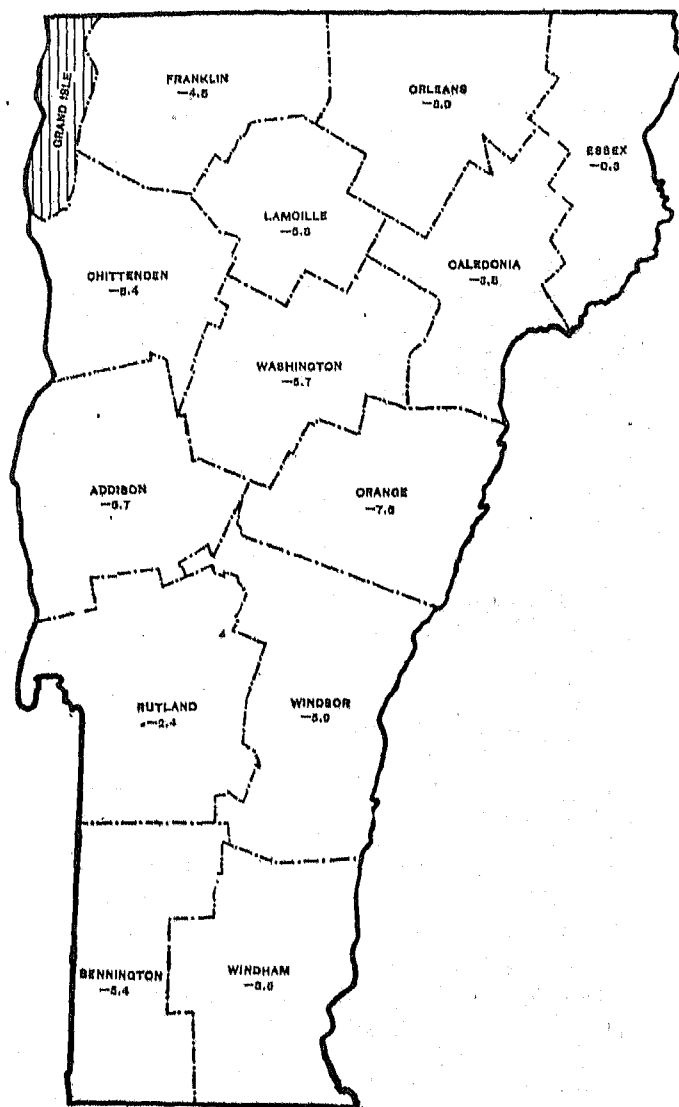
# PER CENT OF INCREASE OR DECREASE OF POPULATION OF VERMONT, BY COUNTIES: 1910-1920.

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

## TOTAL POPULATION.



## RURAL POPULATION.



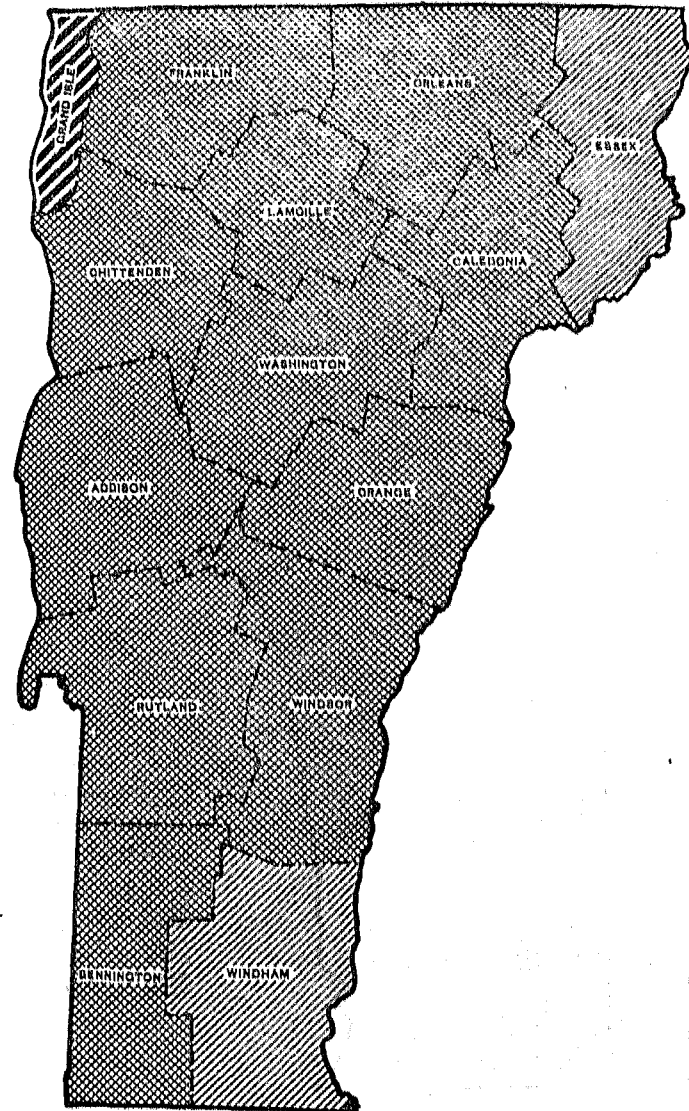
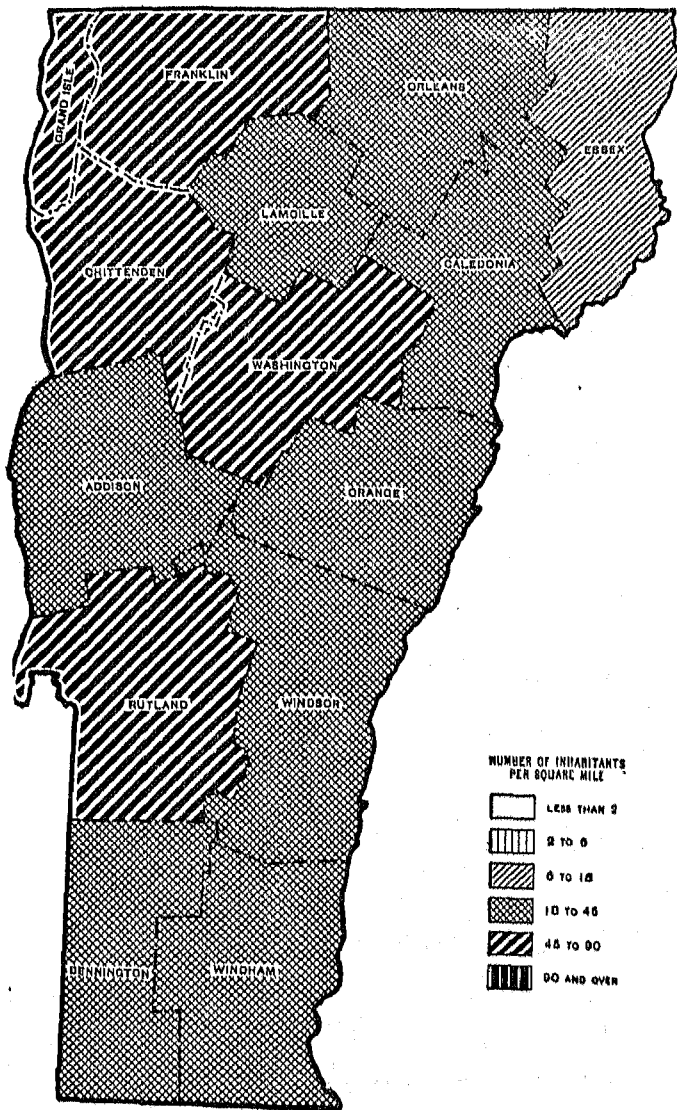
DECREASE  
PER CENT INCREASE  
INCREASE  
LESS THAN 5 PER CENT  
5 TO 15 PER CENT  
15 TO 25 PER CENT  
25 TO 50 PER CENT  
50 PER CENT AND OVER

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

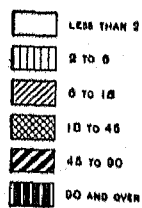
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION.

RURAL POPULATION.



NUMBER OF INHABITANTS  
PER SQUARE MILE



# NUMBER AND DISTRIBUTION.

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

[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.											
Vermont.....	9,124	352,428	38.6	355,956	343,641	332,422	332,286	330,551	315,098	314,120	—1.0	3.6	3.4	
Addison.....	756	18,666	24.7	20,010	21,012	22,277	24,173	23,484	24,010	20,549	—6.7	—8.7	—1.6	
Bennington.....	661	21,577	32.6	21,378	21,705	20,448	21,950	21,325	19,430	18,580	0.0	—1.5	6.1	
Caledonia.....	618	25,762	41.7	26,031	24,381	23,430	23,607	22,235	21,698	23,595	—1.0	0.8	4.0	
Chittenden.....	543	43,708	80.5	42,447	39,600	35,389	32,702	30,480	28,171	20,030	3.0	7.2	11.9	
Essex.....	638	7,364	11.6	7,384	8,056	9,511	7,931	6,811	5,786	4,650	—0.3	—8.3	—15.3	
Franklin.....	652	30,020	46.1	29,800	30,108	29,755	30,225	30,201	27,231	28,586	0.5	—1.1	1.5	
Grand Isle.....	83	3,784	45.6	3,761	4,402	3,843	4,124	4,082	4,270	4,145	0.6	—15.7	16.1	
Lamoille.....	436	11,858	27.2	12,585	12,289	12,631	12,684	12,448	12,311	10,872	—5.8	2.4	—4.2	
Orange.....	676	17,279	25.6	18,703	19,313	19,675	23,625	23,090	25,465	27,206	—7.6	—3.2	—1.3	
Orleans.....	688	23,913	34.8	23,337	22,024	22,101	22,083	21,035	18,081	16,707	2.5	0.0	—0.3	
Rutland.....	911	46,213	50.7	48,139	44,209	45,307	41,829	40,651	35,040	33,050	—4.0	8.9	—2.6	
Washington.....	719	38,621	53.6	41,702	39,007	29,006	25,404	26,620	27,622	24,654	—6.7	13.9	23.6	
Windham.....	705	26,373	37.4	26,032	26,000	26,547	26,763	26,036	26,932	26,062	—2.1	1.0	0.4	
Windsor.....	948	36,984	39.0	33,681	32,225	31,703	35,190	36,003	37,193	38,320	9.8	4.5	1.6	

<sup>1</sup> Part of Washington County annexed to Caledonia County between 1890 and 1900.

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

[For changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. III, Table 1, p. 806. For population of incorporated villages, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
<b>Addison County.....</b>	<b>18,666</b>	<b>20,010</b>	<b>21,012</b>	<b>Caledonia County—Continued.</b>			
Addison town.....	743	700	851	Shoffield town.....	594	691	724
Bridport town.....	745	848	950	Stannard town.....	173	206	222
Bristol town, including Bristol village.....	1,062	2,005	2,061	Sutton town.....	650	711	604
Cornwall town.....	782	780	860	Walden town.....	674	730	764
Ferrisburg town.....	1,338	1,433	1,619	Waterford town.....	674	620	705
Goshen town.....	131	212	280	Wheelock town.....	526	500	567
Granville town.....	303	404	544				
Hancock town.....	300	287	253	<b>Chittenden County.....</b>	<b>43,708</b>	<b>42,447</b>	<b>39,600</b>
Leicester town.....	430	479	509	Bolton town.....	300	400	456
Lincoln town.....	841	980	1,162	Buels gore.....	14	16	20
Middlebury town, including Middlebury village.....	2,014	2,848	3,045	Burlington city.....	22,770	20,468	18,040
Monkton town.....	671	724	912	Charlotte town.....	1,160	1,163	1,254
New Haven town.....	1,001	1,161	1,107	Colchester town, including Winslow village.....	6,627	6,450	5,352
Orwell town.....	942	1,005	1,150	Essex town, including Essex Junction village.....	2,440	2,714	2,203
Panton town.....	321	345	409	Hinesburg town, including Hinesburg village.....	964	1,042	1,210
Ripton town.....	237	421	525	Huntington town.....	651	760	728
Salisbury town.....	635	603	662	Jericho town, including Jericho village.....	1,138	1,307	1,373
Shoreham town.....	925	1,008	1,193	Milton town, including Milton village.....	1,523	1,048	1,804
Starksboro town.....	806	835	902	Richmond town, including Richmond village.....	1,447	1,410	1,087
Vergennes city.....	1,600	1,483	1,753	St. George town.....	100	100	100
Walham town.....	204	202	264	Shelburne town.....	907	1,007	1,202
Weybridge town.....	438	404	518	South Burlington town.....	688	627	671
Whiting town.....	302	348	361	Underhill town.....	800	1,004	1,140
				Ward town.....	700	864	888
<b>Bennington County.....</b>	<b>21,577</b>	<b>21,378</b>	<b>21,705</b>	Williston town.....	620	1,000	1,170
Arlington town.....	1,370	1,307	1,193				
Bennington town, including Bennington, Bennington Center, and North Bennington villages.....	9,082	8,008	8,093	<b>Essex County.....</b>	<b>7,364</b>	<b>7,384</b>	<b>8,056</b>
Dorset town.....	1,226	1,472	1,477	Averill township.....	4	15	18
Glastenbury town.....	40	29	48	Avery's gore.....			16
Landgrove town.....	143	160	225	Bloomfield town.....	382	406	504
Manchester town, including Manchester village.....	2,057	2,044	1,955	Brighton town, including Island Pond village.....	2,280	2,013	2,023
Peru town.....	210	242	373	Brunswick town.....	80	82	106
Pownal town.....	1,390	1,590	1,976	Canaan town.....	982	860	934
Roadsboro town, including Roadsboro village.....	1,173	1,252	1,130	Concord town, including Concord village.....	1,102	1,080	1,129
Rupert town.....	674	825	893	East Haven town.....	148	194	171
Sandgate town.....	283	401	482	Ferdinand township.....	106	213	41
Searsburg town.....	133	142	161	Granby town.....	70	95	182
Shaftsbury town.....	1,534	1,050	1,857	Guildhall town.....	376	445	455
Stamford town.....	374	510	677	Lemington town.....	145	138	204
Sunderland town.....	400	404	518	Lewis township.....			8
Winhall town.....	336	366	440	Lunenburg town.....	1,048	880	908
Woodford town.....	231	187	279	Maldstone town.....	171	175	206
				Norton town.....	336	479	692
<b>Caledonia County.....</b>	<b>25,762</b>	<b>26,031</b>	<b>24,381</b>	Victory town.....	125	206	321
Barnet town.....	1,685	1,707	1,763	Warren's grant.....		4	
Burke town.....	1,041	1,183	1,184	Warren's gore.....			18
Danville town.....	1,404	1,504	1,628				
Groton town.....	902	915	1,089	<b>Franklin County.....</b>	<b>30,026</b>	<b>29,866</b>	<b>30,198</b>
Hardwick town, including Hardwick village.....	2,041	3,201	2,460	Bakersfield town.....	980	1,070	1,153
Kirby town.....	324	207	350	Berkshire town.....	1,200	1,286	1,320
Lyndon town, including Lyndon Center and Lyndonville villages.....	3,558	3,204	2,056	Enosburg town, including Enosburg Falls village.....	2,231	2,212	2,054
Newark town.....	364	415	500	Fairfax town.....	1,244	1,318	1,338
Peacham town.....	657	777	794	Fairfield town.....	1,532	1,778	1,830
Ryegate town, including South Ryegate village.....	1,188	1,104	995	Fletcher town.....	656	787	750
St. Johnsbury town, including St. Johnsbury village.....	8,708	8,008	7,010	Franklin town.....	904	1,108	1,145

<sup>1</sup> ADDISON.—Part of Ripton town annexed to Bristol town since 1910.

<sup>2</sup> ESSEX.—The absence of population figures for any year indicates that no population was reported at that census.

<sup>3</sup> FRANKLIN.—Avery's gore, for which no population has been returned at any of the three censuses, is not included in the table.





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 VILLAGE.	County.	1920	1910	1900	CITY OR VILLAGE.	County.	1920	1910	1900
Albany village.....	Orleans.....	152	.....	.....	Newbury village.....	Orange.....	392	412	.....
Alburg village.....	Grand Isle.....	364	.....	.....	Newfane village.....	Windham.....	122	136	.....
Barre city.....	Washington.....	10,008	10,734	8,448	Newport city <sup>2</sup> .....	Orleans.....	4,076	2,548	1,874
Barton village.....	Orleans.....	1,187	1,330	1,050	Newport Center village.....	Orleans.....	274	( <sup>1</sup> )	.....
Bellows Falls village.....	Windham.....	4,800	4,883	4,337	North Bennington village.....	Bennington.....	818	603	670
Bennington village.....	Bennington.....	7,230	6,211	5,656	North Troy village.....	Orleans.....	1,072	771	502
Bennington Center village.....	Bennington.....	152	42	215	Northfield village.....	Washington.....	1,616	1,018	1,508
Bradford village.....	Orange.....	739	631	614	Orleans village.....	Orleans.....	1,358	1,131	677
Brandon village.....	Rutland.....	1,631	1,698	( <sup>1</sup> )	Pittsford village.....	Rutland.....	562	.....	.....
Brattleboro village.....	Windham.....	7,324	6,517	5,207	Plainfield village.....	Washington.....	406	388	341
Bristol village.....	Addison.....	1,251	1,180	.....	Poultney village.....	Rutland.....	1,471	1,474	.....
Burlington city.....	Chittenden.....	22,770	20,468	18,640	Proctor village.....	Rutland.....	2,602	2,756	2,013
Caledonia village.....	Washington.....	200	237	226	Proctorsville village.....	Windsor.....	664	( <sup>1</sup> )	.....
Cambridge village.....	Lamoille.....	203	505	.....	Randolph village.....	Orange.....	1,819	1,787	1,540
Chester village.....	Windsor.....	657	666	950	Readsboro village.....	Bennington.....	735	835	658
Cecond village.....	Essex.....	360	339	.....	Richford village.....	Franklin.....	1,095	1,048	1,513
Derby Center village (Derby P. O.).....	Orleans.....	202	316	207	Richmond village.....	Chittenden.....	873	828	.....
Derby Line village.....	Orleans.....	640	390	309	Rutland city.....	Rutland.....	14,654	13,540	11,499
East Barre village.....	Washington.....	427	.....	.....	St. Albans city.....	Franklin.....	7,588	6,381	6,239
Enosburg Falls village.....	Franklin.....	1,236	1,153	954	St. Johnsbury village.....	Caledonia.....	7,164	6,093	5,666
Essex Junction village.....	Chittenden.....	1,410	1,245	1,141	South Barre village.....	Washington.....	278	.....	.....
Fair Haven village.....	Rutland.....	2,182	2,554	2,470	South Newbury village.....	Orange.....	114	.....	.....
Glover village.....	Orleans.....	209	( <sup>1</sup> )	.....	South Ryegate village.....	Caledonia.....	332	373	.....
Graniteville village.....	Washington.....	1,007	.....	.....	Springfield village.....	Windsor.....	5,283	3,250	2,040
Hardwick village.....	Caledonia.....	1,550	2,094	1,334	Stowe village.....	Lamoille.....	526	560	500
Hinesburg village.....	Chittenden.....	188	242	.....	Swanton village.....	Franklin.....	1,371	1,236	1,168
Hyde Park village.....	Lamoille.....	368	423	422	Vergennes city.....	Addison.....	1,009	1,483	1,753
Island Pond village.....	Essex.....	1,837	1,573	.....	Waterbury village.....	Washington.....	1,615	1,377	1,597
Jacksonville village.....	Windham.....	221	212	.....	Webster village.....	Washington.....	989	.....	.....
Joricho village.....	Chittenden.....	100	.....	.....	Wells River village.....	Orange.....	606	608	565
Johnson village.....	Lamoille.....	681	661	587	West Glover village.....	Orleans.....	99	.....	.....
Ludlow village.....	Windsor.....	1,732	1,621	1,454	Westminster village.....	Windham.....	313	.....	.....
Lyndon Center village.....	Caledonia.....	255	250	232	Wilmington village.....	Windham.....	617	430	410
Lyndonville village.....	Caledonia.....	1,878	1,573	1,274	Windsor village.....	Windsor.....	3,061	1,906	1,656
Manchester village.....	Bennington.....	423	478	.....	Winoski village.....	Chittenden.....	4,032	4,520	3,783
Marshfield village.....	Washington.....	244	.....	.....	Woodstock village.....	Windsor.....	1,252	1,383	1,284
Middlebury village.....	Addison.....	1,093	1,800	1,807					
Milton village.....	Chittenden.....	638	634	.....					
Montpelier city.....	Washington.....	7,125	7,856	6,266					
Morrisville village.....	Lamoille.....	1,707	1,445	1,262					

<sup>1</sup> Not returned separately.<sup>2</sup> See county footnote, Table 2.

TABLE 4.—POPULATION OF WARDS OF CITIES AND VILLAGES HAVING 5,000 INHABITANTS OR MORE: 1920.

WARD.	1920	WARD.	1920	WARD.	1920	WARD.	1920
Barre city.....	10,008	Brattleboro village... (Not reported by wards.)	7,324	Montpelier city—Con.		St. Albans city.....	7,588
Ward 1.....	1,009			Ward 4.....	1,013	Ward 1.....	945
Ward 2.....	1,511			Ward 5.....	995	Ward 2.....	995
Ward 3.....	2,293			Ward 6.....	1,240	Ward 3.....	1,852
Ward 4.....	1,843					Ward 4.....	938
Ward 5.....	1,571					Ward 5.....	1,255
Ward 6.....	1,181					Ward 6.....	1,603
Bennington village....	7,230	Burlington city.....	22,770	Rutland city.....	14,654		
Ward 1.....	1,091	Ward 1.....	2,055	Ward 1.....	1,404	St. Johnsbury village. (Not reported by wards.)	7,104
Ward 2.....	1,359	Ward 2.....	4,102	Ward 2.....	1,471		
Ward 3.....	1,200	Ward 3.....	3,688	Ward 3.....	1,116	Springfield village.... (Not reported by wards.)	5,293
Ward 4.....	1,167	Ward 4.....	5,030	Ward 4.....	821		
Ward 5.....	573	Ward 5.....	3,421	Ward 5.....	1,809		
Ward 6.....	614	Ward 6.....	3,823	Ward 6.....	1,908		
Ward 7.....	1,320	Montpelier city.....	7,125	Ward 7.....	1,070		
		Ward 1.....	1,170	Ward 8.....	1,101		
		Ward 2.....	1,617	Ward 9.....	1,374		
		Ward 3.....	1,072	Ward 10.....	1,202		
				Ward 11.....	1,192		

## POPULATION—VERMONT.

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 popu- lation 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.	
Vermont.....	109,976	242,452	98,917	257,039	75,831	267,810	31.2	27.8	22.1	11.2	30.4	--5.7	--4.0	26.6
Bennington.....	7,230	14,347	6,211	15,167	5,650	10,049	33.5	29.1	20.1	10.4	9.8	--5.4	--5.5	21.7
Caledonia.....	7,164	18,598	6,603	19,338	5,606	18,715	27.8	25.7	23.2	7.0	18.1	--3.8	3.3	30.1
Chittenden.....	27,711	15,997	24,988	17,459	22,423	17,177	63.4	58.9	56.6	10.9	11.4	--8.4	1.0	29.5
Franklin.....	7,588	22,438	6,381	23,485	6,230	23,959	25.3	21.4	20.7	18.9	2.3	--4.5	--2.0	34.4
Orleans.....	4,976	18,937	2,548	20,789	.....	22,024	20.8	10.9	.....	95.3	.....	--8.0	--5.6	27.5
Rutland.....	17,646	28,567	18,850	29,283	11,499	32,710	38.2	39.2	26.0	--0.4	64.0	--2.4	--10.5	31.4
Washington.....	17,133	21,788	18,590	23,112	14,714	21,893	44.0	44.6	40.2	--7.8	26.3	--5.7	5.0	30.3
Windham.....	12,184	14,189	11,400	15,532	9,634	17,020	46.2	42.3	36.1	6.0	18.3	--8.6	--8.8	17.8
Windsor.....	8,344	28,640	3,250	30,431	.....	32,225	22.6	9.6	.....	156.7	.....	--5.9	--5.0	30.2
All other counties <sup>1</sup> .....	.....	58,951	.....	62,443	.....	66,032	.....	.....	.....	.....	.....	--5.6	--5.4	22.8

<sup>1</sup> Comprises all counties in which there were no incorporated places having 2,500 or more inhabitants in 1920. These counties are Addison, Essex, Grand Isle, Lamoille, and Orange.



## 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, also, tables 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—VERMONT.

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>															
Total population	352,428	355,956	343,641	100.0	100.0	100.0	178,854	173,574	182,568	173,388	175,138	168,503	103.0	105.3	103.9
White	351,817	354,298	342,771	99.8	99.5	99.7	178,504	173,313	181,372	172,920	174,041	168,130	103.0	104.9	103.9
Negro	572	1,621	826	0.2	0.5	0.2	320	252	1,173	448	454	372	127.0	201.8	122.0
Indian	24	20	5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	15	0	13	13	4	1	.....	.....	.....
Chinese	11	8	30	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	11	.....	.....	.....	.....	.....	.....	.....	.....
Japanese	4	3	.....	( <sup>2</sup> )	( <sup>2</sup> )	.....	4	.....	2	1	.....	.....	.....	.....	.....
Native white, total	307,291	304,437	298,077	87.2	85.5	86.7	154,793	152,498	153,450	150,987	150,138	147,944	101.5	101.0	101.5
Native parentage	228,325	229,482	225,381	64.8	64.4	65.0	115,392	112,033	113,155	113,745	111,630	102,2	102.2	102.7	101.0
Foreign parentage	42,100	39,607	38,239	11.9	11.1	11.1	21,184	20,916	19,700	19,738	19,228	19,011	101.3	100.2	101.1
Mixed parentage	36,896	35,548	34,457	10.5	10.0	10.0	18,217	18,640	17,454	18,004	17,180	17,207	97.7	96.5	99.2
Foreign-born white	44,520	49,801	44,004	12.6	14.0	13.0	23,711	20,815	27,022	21,939	24,508	20,180	113.0	127.3	121.4
<b>URBAN POPULATION.</b>															
Total	109,976	98,917	75,831	100.0	100.0	100.0	53,493	56,553	48,668	50,249	36,045	39,186	94.5	96.9	93.5
White	109,743	98,576	75,510	99.8	99.7	99.6	53,296	56,447	48,494	50,082	36,470	39,034	94.4	96.8	93.4
Negro	220	320	300	0.2	0.3	0.4	115	105	103	163	148	182	100.5	100.0	97.4
Indian, Chinese, and Japanese	13	15	21	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	12	1	11	4	21	.....	.....	.....	.....
Native white, total	91,597	77,337	60,273	83.3	78.2	79.5	43,897	47,700	37,034	40,903	28,786	31,517	92.0	91.0	91.2
Native parentage	59,302	49,623	37,580	53.9	50.2	49.0	28,537	30,705	24,035	25,588	18,163	19,427	92.8	93.9	93.4
Foreign parentage	19,094	17,061	22,003	17.4	17.2	20.9	9,066	10,028	8,090	8,002	10,603	12,000	90.4	90.4	87.7
Mixed parentage	13,201	10,653	10,653	12.0	10.8	10.0	6,204	6,007	4,000	5,768	7,720	7,517	91.1	85.2	.....
Foreign-born white	18,146	21,230	15,237	10.5	21.5	20.1	9,300	8,747	11,400	9,779	7,720	7,517	107.5	117.2	102.7
<b>RURAL POPULATION.</b>															
Total	242,452	257,039	267,810	100.0	100.0	100.0	125,431	117,021	133,900	123,139	138,493	129,317	107.2	108.7	107.1
White	242,074	256,722	267,261	99.8	99.5	99.8	125,208	116,866	132,878	122,844	138,185	129,006	107.1	108.2	107.0
Negro	352	1,295	520	0.1	0.5	0.2	205	147	1,010	285	300	220	130.5	354.4	130.1
Indian, Chinese, and Japanese	20	22	23	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	18	8	12	10	22	1	.....	.....	.....
Native white, total	215,094	227,100	237,504	89.0	88.4	88.8	110,890	104,708	110,416	110,084	121,377	116,427	105.8	105.2	104.3
Native parentage	109,023	170,750	187,801	69.7	69.0	70.1	56,855	52,168	62,102	57,507	65,502	62,209	105.7	105.3	103.7
Foreign parentage	23,000	22,446	50,003	9.5	8.7	18.7	12,118	10,888	11,670	10,770	25,785	24,218	111.3	108.3	100.5
Mixed parentage	28,065	24,805	20,457	9.8	9.7	10.0	11,023	11,742	12,554	12,341	24,188	24,000	101.8	101.7	100.5
Foreign-born white	26,380	28,022	20,457	10.9	11.1	11.0	14,312	12,068	16,462	12,160	18,788	12,000	118.6	135.4	132.5

<sup>1</sup> Ratio not shown where number of females is less than 100.<sup>2</sup> Less than one-tenth of 1 per cent.

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

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

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
	Total number.			Native parentage.			Foreign or mixed parentage.			Total number.			Total number.		
	Number.	Per cent.	Attending school.	Number.	Per cent.	Attending school.	Number.	Per cent.	Attending school.	Number.	Per cent.	Attending school.	Number.	Per cent.	Attending school.
<b>THE STATE: 1920</b>															
5 to 20 years, inclusive	100,842	67,746	67.2	68,940	47,083	68.3	25,968	17,436	67.2	5,754	3,113	54.1	178	112	63.9
Male	50,974	33,800	66.4	34,774	23,397	67.8	13,085	8,701	67.2	3,007	1,007	33.4	102	62	60.8
Female	49,868	33,946	68.0	34,166	23,686	69.3	12,877	8,045	67.1	2,747	1,505	54.8	76	50	.....
5 and 6 years	13,540	5,202	38.4	9,202	3,634	39.2	3,808	1,434	37.7	430	123	28.0	30	11	.....
7 to 13 years	46,175	48,330	93.0	31,668	29,680	94.0	12,231	11,548	94.4	2,293	2,020	88.4	70	74	.....
14 and 15 years	12,276	10,877	88.2	8,448	7,360	87.1	3,032	2,594	85.0	771	607	78.7	23	10	.....
16 and 17 years	12,107	5,611	46.0	8,311	4,085	49.2	3,006	1,276	42.4	861	245	28.5	10	5	.....
18 to 20 years	16,064	3,020	18.1	11,851	2,322	20.5	3,885	584	15.0	1,390	111	8.0	27	3	.....
<b>URBAN POPULATION.</b>															
5 and 6 years	3,090	1,042	48.7	2,284	1,171	51.3	1,010	733	45.2	80	35	.....	7	4	.....
7 to 13 years	13,480	12,833	95.5	7,750	7,411	95.5	5,068	4,851	95.9	589	542	92.0	30	29	.....
14 to 20 years	12,092	5,900	48.5	7,550	3,655	48.4	4,335	1,921	44.3	1,077	323	29.9	21	3	.....
<b>RURAL POPULATION.</b>															
5 and 6 years	9,550	3,200	34.1	6,978	2,403	35.3	2,180	702	32.1	350	88	24.5	23	7	.....
7 to 13 years	32,789	30,608	93.2	23,800	22,275	93.6	7,173	6,097	85.0	1,704	1,484	87.1	40	45	.....
14 to 20 years	28,135	13,302	47.3	20,551	10,108	49.2	5,588	2,533	45.3	1,945	641	33.0	48	10	.....
<b>THE STATE: 1910</b>															
5 to 20 years, inclusive	101,898	69,348	68.4	68,393	48,200	70.5	25,708	17,708	68.7	6,061	3,305	47.5	267	136	50.9
Male	51,054	34,700	67.2	34,516	24,245	69.0	12,878	8,720	67.8	3,800	1,058	43.5	148	65	43.0
Female	40,742	34,648	80.7	33,877	23,955	71.3	12,830	8,073	69.0	3,162	1,647	52.3	119	71	59.7
5 and 6 years	13,219	7,284	55.1	9,082	4,930	54.4	3,585	2,050	57.4	510	272	53.4	32	16	.....
7 to 13 years	44,022	42,700	96.7	30,511	29,230	95.9	11,064	11,104	96.0	2,344	2,101	90.2	98	91	.....
14 and 15 years	12,464	10,613	85.1	8,072	7,502	92.9	3,080	2,500	81.4	682	494	72.4	30	18	.....
16 and 17 years	12,568	5,615	44.3	8,375	4,202	50.0	3,171	1,208	40.9	902	245	27.1	30	8	.....
18 to 20 years	18,523	2,688	14.5	11,753	2,247	19.1	4,293	555	13.0	2,424	133	5.5	77	8	.....
<b>URBAN POPULATION.</b>															
5 and 6 years	3,443	2,214	64.3	1,851	1,101	64.3	1,347	884	65.0	235	133	56.0	9	5	.....
7 to 13 years	11,000	11,640	99.0	6,308	6,136	97.3	4,528	4,355	97.1	1,041	983	94.4	30	24	.....
14 to 20 years	12,704	5,202	41.7	6,522	3,180	48.8	4,100	1,720	41.0	1,905	375	19.8	27	8	.....
<b>RURAL POPULATION.</b>															
5 and 6 years	9,770	5,070	51.9	7,231	3,748	51.8	2,238	1,172	52.4	284	130	48.0	23	11	.....
7 to 13 years	32,713	31,100	95.3	24,203	23,114	95.5	7,130	6,790	95.5	1,303	1,178	90.4	68	67	.....
14 to 20 years	30,851	14,072	45.6	22,278	10,881	48.0	6,350	2,723	42.8	2,103	407	23.6	110	21	19.1

## COMPOSITION AND CHARACTERISTICS.

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

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
	Total.	Male.	Female.	Native parentage.			Foreign or mixed parentage.			Total.	Male.	Female.	Total.	Male.	Female.			
				Total.	Male.	Female.	Total.	Male.	Female.									
THE STATE.																		
All ages: 1920.....	352,428	178,854	173,574	228,325	115,392	112,933	78,966	39,401	39,565	44,526	23,711	20,815	572	320	252			
Under 5 years.....	34,544	17,602	17,042	24,250	12,307	11,883	9,097	4,870	4,827	540	242	208	52	20	32			
Under 1 year.....	6,674	3,341	3,233	4,075	2,300	2,285	1,835	921	914	54	26	28	10	4	6			
5 to 9 years.....	33,412	16,827	16,585	22,803	11,470	11,384	9,195	4,650	4,545	1,285	603	622	60	33	33			
10 to 14 years.....	32,585	16,020	15,905	22,205	11,318	10,977	8,395	4,300	4,095	1,838	906	872	55	34	21			
15 to 19 years.....	29,508	14,840	14,628	20,110	10,148	9,968	7,182	3,556	3,620	2,157	1,142	1,015	51	33	18			
20 to 44 years.....	121,389	61,099	60,290	75,517	37,734	37,783	25,243	12,370	12,897	20,400	10,803	9,537	211	111	100			
45 years and over.....	100,014	51,004	48,920	62,091	32,103	30,828	19,210	9,632	9,587	18,293	9,805	8,458	133	87	46			
Age unknown.....	376	232	144	293	183	110	35	17	18	43	30	13	4	2	2			
18 to 44 years.....	132,700	66,736	65,970	83,202	41,507	41,695	27,938	13,712	14,226	21,810	11,374	9,942	232	128	104			
21 years and over.....	217,042	110,378	106,664	135,135	68,251	66,884	43,807	21,440	21,801	38,232	20,402	17,770	342	198	144			
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.....	9.8	9.8	9.8	10.6	10.7	10.5	12.3	12.4	12.2	1.2	1.0	1.4	9.1	6.3	12.7			
Under 1 year.....	1.9	1.9	1.9	2.0	2.1	2.0	2.3	2.3	2.3	0.1	0.1	0.1	1.7	1.3	2.4			
5 to 9 years.....	9.5	9.4	9.6	10.0	9.9	10.1	11.6	11.8	11.5	2.9	2.8	3.0	11.5	10.3	13.1			
10 to 14 years.....	9.2	9.3	9.2	9.8	9.8	9.7	10.6	10.9	10.4	4.1	4.1	4.2	9.6	10.6	8.3			
15 to 19 years.....	8.4	8.3	8.4	8.8	8.8	8.8	9.1	9.0	9.2	4.8	4.8	4.9	8.9	10.3	7.1			
20 to 44 years.....	34.4	34.2	34.7	33.1	32.7	33.5	32.0	31.4	32.5	45.8	45.8	45.8	36.0	34.7	39.7			
45 years and over.....	28.6	28.9	28.2	27.6	27.9	27.3	24.3	24.4	24.2	41.0	41.4	40.6	23.3	27.2	18.3			
18 to 44 years.....	37.7	37.3	38.0	30.4	30.0	30.9	35.4	34.8	36.0	47.0	48.0	47.8	40.6	40.0	41.3			
21 years and over.....	61.6	61.7	61.5	59.2	59.1	59.2	54.8	54.4	55.3	85.9	86.3	85.4	59.8	61.9	57.1			
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.....	9.6	9.5	9.7	10.3	10.3	10.3	12.0	13.4	12.4	1.4	1.3	1.7	9.3	4.3	11.6			
Under 1 year.....	2.0	2.0	2.1	2.2	2.1	2.2	2.9	3.0	2.8	0.1	0.1	0.1	1.5	0.8	3.3			
5 to 9 years.....	9.2	9.0	9.3	9.8	9.8	9.8	11.5	11.6	11.5	3.0	2.7	3.4	4.5	2.9	8.7			
10 to 14 years.....	8.8	8.7	9.0	9.4	9.4	9.4	10.9	11.0	10.8	3.4	3.1	3.8	4.4	3.0	8.3			
15 to 19 years.....	8.8	8.8	8.7	9.0	9.2	8.9	10.1	10.2	10.0	5.6	5.8	5.4	6.0	5.3	7.8			
20 to 44 years.....	36.5	36.8	36.3	33.0	33.0	34.2	35.0	34.3	35.7	50.1	52.2	47.0	60.4	73.2	48.4			
45 years and over.....	27.0	27.0	27.0	27.6	27.7	27.5	19.5	19.5	19.5	30.3	34.0	38.1	12.3	11.3	15.2			
18 to 44 years.....	40.0	40.4	39.7	37.4	37.1	37.0	38.9	38.2	39.7	53.0	55.4	50.0	69.6	70.3	52.0			
21 years and over.....	61.0	62.2	61.0	59.9	59.7	60.0	52.8	52.0	53.5	84.0	85.1	84.0	77.2	83.1	61.8			
URBAN POPULATION.																		
All ages: 1920.....	109,976	53,423	56,553	59,308	28,537	30,765	32,395	15,860	16,935	18,146	9,399	8,747	220	115	105			
Under 5 years.....	10,352	5,220	5,132	6,234	3,191	3,043	4,018	1,987	2,020	39	37	52	16	5	11			
Under 1 year.....	1,940	992	954	1,188	622	596	743	368	380	10	4	6	5	3	2			
5 to 9 years.....	9,770	4,911	4,858	5,027	2,812	2,815	3,854	1,940	1,908	270	145	131	22	8	14			
10 to 14 years.....	9,483	4,668	4,815	5,499	2,893	3,440	1,743	1,743	1,700	516	247	209	10	12	7			
15 to 19 years.....	9,308	4,445	4,863	5,388	2,521	2,907	3,153	1,640	1,613	752	374	378	15	10	5			
20 to 44 years.....	42,380	20,482	21,904	22,158	10,551	11,007	10,040	5,039	5,001	9,180	4,841	4,345	93	42	51			
45 years and over.....	28,622	13,617	14,005	14,290	6,740	7,550	6,808	3,096	3,772	7,308	3,741	3,567	53	37	16			
Age unknown.....	140	80	60	106	56	50	18	9	9	10	14	5	2	1	1			
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.....	9.4	9.8	9.1	10.5	11.2	9.9	12.4	12.9	12.0	0.5	0.4	0.6	7.3	4.3	10.5			
Under 1 year.....	1.8	1.9	1.7	2.0	2.1	2.0	2.3	2.4	2.0	0.1	0.1	0.1	1.5	0.8	1.3			
5 to 9 years.....	8.9	9.2	8.6	9.5	9.9	9.1	11.9	12.7	11.3	1.5	1.5	1.5	10.0	7.0	13.8			
10 to 14 years.....	8.6	8.7	8.5	9.3	9.3	9.2	10.7	11.3	10.1	2.8	2.0	3.1	8.6	10.4	0.7			
15 to 19 years.....	8.5	8.3	8.0	9.1	8.8	9.3	10.0	9.5	9.5	4.1	4.0	4.3	6.8	8.7	4.8			
20 to 44 years.....	38.5	38.3	38.7	37.4	37.0	37.7	33.0	32.8	34.8	50.6	51.5	49.7	42.3	39.5	48.0			
45 years and over.....	25.9	25.5	26.4	24.1	23.6	24.5	21.3	20.2	22.3	40.3	39.8	40.8	24.1	32.2	15.2			
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.....	9.4	9.5	9.2	10.2	10.5	10.0	13.0	13.0	12.8	1.4	1.2	1.0	11.7	13.5	9.8			
Under 1 year.....	1.8	1.8	1.8	2.0	2.0	1.9	2.3	2.3	2.1	0.1	0.1	0.1	1.5	0.8	1.3			
5 to 9 years.....	8.7	9.0	8.4	9.8	9.8	9.7	11.6	12.0	11.2	3.6	3.1	4.1	6.7	6.1	7.4			
10 to 14 years.....	8.4	8.4	8.5	9.4	9.4	9.4	10.7	10.7	10.7	6.0	6.5	6.7	6.1	5.5	6.7			
15 to 19 years.....	9.2	9.0	9.3	9.8	9.8	9.8	10.7	10.7	10.7	6.0	6.5	6.7	6.1	5.5	6.7			
20 to 44 years.....	41.3	41.0	41.1	38.5	38.0	39.0	34.5	34.8	38.0	54.0	50.8	50.8	46.0	46.0	55.2			
45 years and over.....	22.0	22.3	22.5	23.6	23.1	24.0	16.4	14.6	10.1	31.2	29.4	33.3	18.7	22.7	14.7			
RURAL POPULATION.																		
All ages: 1920.....	242,452	125,431	117,021	169,023	86,855	82,168	46,671	24,041	23,630	26,380	14,312	13,068	352	205	147			
Under 5 years.....	24,102	12,282	11,820	13,016	6,176	6,840	5,094	2,883	2,801	451	205	246	36	15	21			
Under 1 year.....	4,025	2,349	2,276	3,437	1,708	1,710	1,092	558	534	44	22	22	5	4	4			
5 to 9 years.....	23,683	11,910	11,773	17,290	8,667	8,590	5,341	2,704	2,637	1,009	518	491	44	25	19			
10 to 14 years.....	23,102	11,922	11,180	16,706	8,652	8,144	4,946	2,557	2,389	1,322	719	603	36	22	14			
15 to 19 years.....	20,200	10,435	9,765	14,728	7,627	7,101	4,020	2,016	2,013	1,405	708	637	36	23	13			
20 to 44 years.....	70,003	35,017	34,986	58,359	27,183	26,176	14,303	7,337	6,906	11,214	6,022	5,192	118	69	49			
45 years and over.....	72,092	35,077	34,015	45,701	25,423	23,278	12,351	6,036	5,815	10,955	6,004	4,801	80	50	30			
Age unknown.....	280	152	78	187	127	100	17	8	9	24	16	8	2	1	1			
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.....	10.0	9.8	10.2	10.7	10.0	10.8	12.2	12.0	12.4	1.7	1.4	2.0	10.2	7.3	14.3			
Under 1 year.....	1.7	1.9	1.9	2.0	1.9	2.0	2.3	2.4	2.0	0.2	0.2	0.2	1.5	1.2	1.9			
5 to 9 years.....	9.5	9.5	9.5	10.0	9.9	10.0	11.6											



## POPULATION—VERMONT.

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

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

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
	Total number.	Illiterate.		Native parentage.			Foreign or mixed parentage.			Total number.	Illiterate.		Total number.	Illiterate.	
		Num-ber.	Per cent.	Total number.	Illiterate.		Total number.	Illiterate.			Num-ber.	Per cent.		Num-ber.	Per cent.
					Num-ber.	Per cent.		Num-ber.	Per cent.						
THE STATE: 1920															
10 years and over.....	284,472	8,488	3.0	181,212	1,804	1.1	60,074	1,709	2.8	42,701	4,837	11.3	454	28	6.2
Male.....	144,525	5,156	3.6	91,546	1,270	1.4	29,881	1,035	3.5	22,800	2,827	12.4	267	16	6.0
Female.....	139,947	3,332	2.4	89,666	634	0.7	30,193	674	2.2	19,895	2,010	10.1	187	12	6.4
10 to 15 years.....	38,579	109	0.3	26,415	67	0.3	9,876	30	0.3	2,218	12	0.5	66	.....	.....
Male.....	19,638	62	0.3	13,422	40	0.3	5,020	15	0.3	1,154	7	0.6	39	.....	.....
Female.....	18,941	47	0.2	12,993	27	0.2	4,856	15	0.3	1,064	5	0.5	27	.....	.....
16 to 20 years.....	28,851	227	0.8	19,602	122	0.6	6,891	52	0.8	2,251	53	2.4	46	.....	.....
Male.....	14,509	137	0.9	9,873	74	0.7	3,415	31	0.9	1,190	32	2.7	30	.....	.....
Female.....	14,342	90	0.6	9,729	48	0.5	3,476	21	0.6	1,061	21	2.0	16	.....	.....
21 years and over.....	217,042	8,152	3.8	135,135	1,715	1.3	43,307	1,627	3.8	33,232	4,772	12.5	342	28	8.2
Male.....	110,378	4,957	4.5	68,251	1,156	1.7	21,446	989	4.6	20,402	2,788	13.6	108	10	8.1
Female.....	106,664	3,195	3.0	66,884	559	0.8	21,861	638	2.9	17,770	1,984	11.2	144	12	8.3
URBAN POPULATION.															
10 years and over.....	89,845	3,515	3.9	47,441	426	0.9	24,428	662	2.7	17,781	2,415	13.6	182	9	4.9
Male.....	43,292	1,957	4.5	22,534	254	1.1	11,427	351	3.1	9,217	1,345	14.6	102	5	4.9
Female.....	46,553	1,558	3.3	24,907	172	0.7	13,001	311	2.4	8,564	1,070	12.5	80	4	.....
10 to 15 years.....	11,219	29	0.3	6,477	18	0.3	4,092	9	0.2	630	2	0.3	20	.....	.....
16 to 20 years.....	9,420	69	0.7	5,498	33	0.6	2,066	18	0.6	840	18	2.1	16	.....	.....
21 years and over.....	69,206	3,417	4.9	35,466	375	1.1	17,270	635	3.7	16,311	2,305	14.7	146	9	6.2
RURAL POPULATION.															
10 years and over.....	194,627	4,973	2.6	133,771	1,478	1.1	35,646	1,047	2.9	24,920	2,422	9.7	272	19	7.0
Male.....	101,233	3,199	3.2	69,012	1,016	1.5	18,454	684	3.7	13,589	1,482	10.9	165	11	6.7
Female.....	93,394	1,774	1.9	64,759	462	0.7	17,192	363	2.1	11,331	940	8.3	107	8	7.5
10 to 15 years.....	27,360	80	0.3	19,938	49	0.2	5,784	21	0.4	1,588	10	0.6	46	.....	.....
16 to 20 years.....	19,431	158	0.8	14,164	89	0.6	3,825	34	0.9	1,411	35	2.5	30	.....	.....
21 years and over.....	147,836	4,735	3.2	99,669	1,340	1.3	26,037	992	3.8	21,921	2,377	10.8	196	10	9.7
THE STATE: 1910															
10 years and over.....	289,128	10,806	3.7	183,292	2,234	1.2	56,707	2,261	4.0	47,654	6,239	13.1	1,446	69	4.8
Male.....	148,686	6,486	4.4	92,800	1,402	1.6	27,941	1,349	4.8	26,826	3,033	13.5	1,080	41	3.8
Female.....	140,442	4,320	3.1	90,493	772	0.9	28,766	912	3.2	20,828	2,606	12.5	367	28	7.8
10 to 15 years.....	37,648	156	0.4	25,832	75	0.3	9,607	36	0.4	2,060	40	1.9	87	5	.....
Male.....	19,107	93	0.5	13,172	45	0.3	4,852	22	0.5	1,040	24	2.3	41	2	.....
Female.....	18,541	63	0.3	12,660	30	0.2	4,815	14	0.3	1,020	16	1.6	46	3	.....
16 to 20 years.....	31,091	521	1.7	20,128	137	0.7	7,439	130	1.7	3,416	253	7.4	107	1	0.9
Male.....	16,073	354	2.2	10,260	86	0.8	3,722	97	2.6	2,027	170	8.4	73	1	.....
Female.....	15,018	167	1.1	9,878	51	0.5	3,717	33	0.9	1,389	83	6.0	34	.....	.....
21 years and over.....	220,389	10,129	4.6	137,332	2,022	1.5	39,601	2,095	5.3	42,178	5,940	14.1	1,252	63	5.0
Male.....	113,506	6,039	5.3	69,387	1,381	1.9	19,367	1,280	6.4	23,759	3,480	14.5	975	38	3.9
Female.....	106,883	4,090	3.8	67,945	691	1.0	20,234	865	4.3	18,419	2,507	13.6	277	25	9.0
URBAN POPULATION.															
10 years and over.....	81,027	3,191	3.9	39,897	374	0.9	20,569	557	2.7	20,282	2,238	11.0	268	21	7.8
Male.....	39,633	1,721	4.3	19,113	221	1.2	9,385	300	3.2	10,904	1,101	10.8	131	8	6.1
Female.....	41,394	1,470	3.6	20,784	153	0.7	11,184	257	2.3	9,288	1,047	11.3	137	13	9.5
10 to 15 years.....	10,008	50	0.5	5,310	19	0.4	3,745	12	0.3	925	18	1.9	28	1	.....
16 to 20 years.....	9,409	188	2.0	4,712	32	0.7	2,990	38	1.3	1,689	118	7.0	18	.....	.....
21 years and over.....	61,610	2,953	4.8	29,875	323	1.1	13,834	507	3.7	17,068	2,102	11.9	222	20	9.0
RURAL POPULATION.															
10 years and over.....	208,101	7,615	3.7	143,395	1,860	1.3	36,138	1,704	4.7	27,372	4,001	14.6	1,178	48	4.1
Male.....	109,053	4,765	4.4	73,696	1,241	1.7	18,556	1,049	5.7	15,832	2,442	15.4	958	33	3.4
Female.....	99,048	2,850	2.9	69,699	619	0.9	17,582	655	3.7	11,540	1,559	13.5	220	15	6.8
10 to 15 years.....	27,640	106	0.4	20,522	56	0.3	5,922	24	0.4	1,135	22	1.9	59	4	.....
16 to 20 years.....	21,682	333	1.5	15,416	105	0.7	4,449	92	2.1	1,727	135	7.8	89	1	.....
21 years and over.....	158,779	7,176	4.5	107,457	1,699	1.6	25,767	1,588	6.2	24,510	3,844	15.7	1,030	43	4.2

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		1920	1910	
<b>Total.....</b>	<b>110,378</b>	<b>113,506</b>	<b>106,664</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Native white.....</b>	<b>80,697</b>	<b>88,754</b>	<b>88,745</b>	<b>81.3</b>	<b>78.2</b>	<b>83.2</b>
<b>White.....</b>	<b>110,160</b>	<b>112,513</b>	<b>106,515</b>	<b>99.8</b>	<b>99.1</b>	<b>99.0</b>	<b>Native parentage.....</b>	<b>68,251</b>	<b>69,387</b>	<b>66,884</b>	<b>61.8</b>	<b>61.1</b>	<b>62.7</b>
<b>Negro.....</b>	<b>108</b>	<b>976</b>	<b>144</b>	<b>0.2</b>	<b>0.9</b>	<b>0.1</b>	<b>Foreign parentage.....</b>	<b>12,003</b>	<b>11,497</b>	<b>11,814</b>	<b>10.9</b>	<b>10.1</b>	<b>11.1</b>
<b>Indian.....</b>	<b>7</b>	<b>9</b>	<b>5</b>	<b>(1)</b>	<b>(1)</b>	<b>(1)</b>	<b>Mixed parentage.....</b>	<b>9,443</b>	<b>7,870</b>	<b>10,047</b>	<b>8.6</b>	<b>6.0</b>	<b>9.4</b>
<b>Chinese.....</b>	<b>11</b>	<b>8</b>	.....	<b>(1)</b>	<b>(1)</b>	.....	<b>Foreign-born white.....</b>	<b>20,402</b>	<b>23,750</b>	<b>17,770</b>	<b>18.5</b>	<b>20.9</b>	<b>16.7</b>
<b>Japanese.....</b>	<b>3</b>	<b>1</b>	.....	<b>(1)</b>	<b>(1)</b>	.....	<b>Naturalized.....</b>	<b>9,540</b>	<b>10,811</b>	<b>10,285</b>	<b>8.6</b>	<b>9.5</b>	<b>9.6</b>
							<b>Having first papers.....</b>	<b>2,106</b>	<b>1,164</b>	<b>117</b>	<b>1.9</b>	<b>1.0</b>	<b>0.1</b>
							<b>Alien.....</b>	<b>7,886</b>	<b>9,662</b>	<b>6,877</b>	<b>7.1</b>	<b>8.5</b>	<b>6.0</b>
							<b>Unknown.....</b>	<b>930</b>	<b>2,132</b>	<b>991</b>	<b>0.8</b>	<b>1.9</b>	<b>0.0</b>

<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 BURLINGTON: 1920.

COUNTRY OF BIRTH.	THE STATE.		BURLINGTON.		COUNTRY OF BIRTH.	THE STATE.		BURLINGTON.	
	Number.	Per cent distribution.	Number.	Per cent distribution.		Number.	Per cent distribution.	Number.	Per cent distribution.
All countries.....	44,528	100.0	3,116	100.0	Ireland.....	2,884	6.5	200	6.4
Austria.....	283	0.6	27	0.9	Italy.....	4,037	9.1	145	4.7
Canada—French.....	14,181	31.8	1,456	46.7	Norway.....	106	0.2	4	0.1
Canada—Other.....	10,687	24.0	426	13.7	Poland.....	1,720	3.9	81	1.0
Czechoslovakia.....	108	0.2	1	(1)	Russia.....	1,333	3.0	358	11.5
Denmark.....	155	0.3	5	0.2	Scotland.....	1,854	4.2	54	1.7
England.....	2,197	4.9	145	4.7	Spain.....	661	1.5	2	0.1
Finland.....	476	1.1	8	0.3	Sweden.....	1,123	2.5	10	0.3
France.....	197	0.4	17	0.5	Switzerland.....	187	0.4	2	0.1
Germany.....	630	1.4	85	2.7	Syria.....	228	0.5	58	1.9
Greece.....	167	0.4	40	1.3	Wales.....	540	1.2	3	0.1
Hungary.....	264	0.6	4	0.1	All other countries.....	468	1.0	35	1.1

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

TABLE 7.—INDIANS, CHINESE, AND JAPANESE, FOR COUNTIES: 1920, 1910, AND 1900.

COUNTY.	INDIAN.			CHINESE.			JAPANESE.			COUNTY.	INDIAN.			CHINESE.			JAPANESE.		
	1920	1910	1900	1920	1910	1900	1920	1910	1900		1920	1910	1900	1920	1910	1900	1920	1910	1900
The state.....	24	26	5	11	8	39	4	3	.....	Franklin.....	.....	5	.....	1	.....	4	.....	.....	
Addison.....	.....	3	.....	2	.....	3	.....	.....	.....	Orleans.....	1	.....	.....	8	.....	.....	.....	.....	
Bennington.....	.....	4	.....	1	.....	4	.....	.....	.....	Rutland.....	.....	1	1	2	3	7	.....	1	
Caledonia.....	2	.....	.....	1	1	1	1	.....	.....	Windham.....	5	.....	.....	2	1	3	8	.....	
Chittenden.....	4	9	.....	1	2	4	.....	2	.....	Windsor.....	4	1	.....	1	2	5	.....	.....	
										All other counties..	.....	3	4	.....	2	8	.....	.....	

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

AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Burre.....	5,089	4,086	3,189	3,516	1,831	1,469	2	1
Under 5 years.....	472	487	470	484	2	3	.....	.....
Under 1 year.....	82	72	82	72	.....	.....	.....	.....
5 to 9 years.....	500	497	473	473	27	24	.....	.....
10 to 14 years.....	468	500	403	488	55	68	.....	.....
15 to 19 years.....	444	467	346	397	98	70	.....	.....
20 to 44 years.....	2,015	1,658	1,117	1,077	841	1	.....	.....
45 years and over.....	1,122	1,006	650	604	461	1	1	.....
Age unknown.....	11	6	10	3	1	2	.....	.....
18 to 44 years.....	2,108	2,132	1,071	1,264	1,126	868	1	.....
21 years and over....	3,061	2,958	1,482	1,667	1,027	1,280	2	1
Burlington.....	10,704	12,075	9,152	10,413	1,503	1,613	47	49
Under 5 years.....	1,180	1,086	1,112	1,070	10	11	2	5
Under 1 year.....	211	210	207	208	2	1	2	1
5 to 9 years.....	1,077	1,032	1,047	994	27	33	3	5
10 to 14 years.....	1,042	1,075	995	1,031	44	41	3	3
15 to 19 years.....	956	1,070	890	961	64	78	2	1
20 to 44 years.....	3,801	4,684	3,138	3,826	638	685	24	23
Burlington—Con. 45 years and over....	2,678	3,245	1,951	2,472	709	762	12	11
Age unknown.....	26	33	19	29	5	3	1	1
18 to 44 years.....	4,188	5,000	3,488	4,259	674	718	25	23
21 years and over....	6,349	7,578	4,976	6,121	1,384	1,422	37	36
Rutland.....	7,130	7,824	6,857	7,046	765	772	6	6
Under 5 years.....	606	665	605	663	1	1	.....	.....
Under 1 year.....	116	117	116	117	.....	.....	.....	.....
5 to 9 years.....	646	621	637	615	8	6	.....	.....
10 to 14 years.....	632	670	613	650	18	20	1	.....
15 to 19 years.....	559	649	545	609	23	39	1	.....
20 to 44 years.....	2,650	2,978	2,276	2,636	870	839	2	3
45 years and over....	1,929	2,234	1,582	1,806	345	367	2	1
Age unknown.....	9	7	9	7	.....	.....	.....	.....
18 to 44 years.....	2,867	3,262	2,478	2,903	884	856	3	3
21 years and over....	4,487	5,109	3,775	4,406	706	690	4	4

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

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

SUBJECT.	THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>							
Total population.....	352,428	18,866	21,577	25,762	43,708	7,364	30,026
Male.....	178,854	9,575	10,978	12,977	21,594	3,896	15,107
Female.....	173,574	9,091	10,599	12,785	22,114	3,468	14,919
Native white.....	307,291	17,519	19,581	22,178	37,981	5,936	25,516
Male.....	154,793	8,965	9,858	11,113	18,713	3,080	12,790
Female.....	152,498	8,554	9,723	11,065	19,268	2,856	12,726
Native white—Native parentage.....	228,325	14,405	15,709	16,141	25,502	3,733	17,778
Native white—Foreign parentage.....	42,100	1,504	2,392	2,499	6,539	1,023	3,361
Native white—Mixed parentage.....	36,866	1,610	1,480	3,538	5,940	1,180	4,377
Foreign-born white.....	44,526	1,109	1,940	3,577	5,547	1,426	4,471
Male.....	23,711	588	1,087	1,859	2,783	814	2,297
Female.....	20,815	521	853	1,718	2,764	612	2,174
Negro.....	572	36	55	3	175	2	38
Male.....	320	20	32	2	94	2	19
Female.....	252	16	23	1	81	—	19
Indian, Chinese, and Japanese (see Tables 1 and 7).....	39	2	1	4	5	—	1
Per cent native white.....	87.2	93.9	90.7	86.1	86.9	80.6	85.0
Per cent foreign-born white.....	12.6	5.9	9.0	13.9	12.7	19.4	14.9
Per cent Negro.....	0.2	0.2	0.3	( <sup>1</sup> )	0.4	( <sup>1</sup> )	0.1
1910: Total population.....	355,958	20,010	21,378	26,031	42,447	7,384	29,866
Native white.....	304,437	18,781	19,002	21,838	34,351	5,782	25,193
Foreign-born white.....	49,861	1,181	2,280	4,182	6,999	1,595	4,609
Negro.....	1,621	45	92	10	1,114	6	59
Per cent native white.....	85.5	93.9	88.9	83.9	80.9	78.3	84.4
Per cent foreign-born white.....	14.0	5.9	10.7	16.1	18.4	21.6	15.4
Per cent Negro.....	0.5	0.2	0.4	( <sup>1</sup> )	2.6	0.1	0.2
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>							
Total under 7 years of age.....	48,084	2,506	2,509	3,494	6,048	1,111	4,496
Total 7 to 13 years, inclusive.....	46,176	2,464	2,609	3,470	5,850	1,000	4,049
Number attending school.....	43,336	2,316	2,425	3,257	5,592	938	3,799
Per cent attending school.....	93.9	94.0	93.9	93.9	95.6	93.8	93.8
Total 14 and 15 years.....	12,276	690	708	945	1,587	268	1,087
Number attending school.....	10,577	601	592	819	1,362	227	917
Per cent attending school.....	86.2	87.1	83.6	86.7	85.8	84.7	84.4
Total 16 and 17 years.....	12,197	659	748	878	1,529	271	1,163
Number attending school.....	5,611	320	273	443	649	133	489
Per cent attending school.....	46.0	48.6	36.5	50.5	42.4	49.1	42.0
Total 18 to 20 years, inclusive.....	16,654	823	1,158	1,170	2,363	343	1,487
Number attending school.....	3,020	163	116	238	443	60	218
Per cent attending school.....	18.1	19.8	10.0	19.9	18.7	14.6	14.7
Males 21 years of age and over.....	110,378	5,919	7,084	7,952	12,911	2,425	8,994
Native white—Native parentage.....	68,251	4,132	4,894	4,866	6,799	1,177	4,872
Native white—Foreign or mixed parentage.....	21,448	1,243	1,157	1,504	3,604	520	2,278
Foreign-born white.....	20,462	453	1,031	1,577	2,442	718	1,830
Naturalized.....	9,540	239	468	710	1,377	269	711
First papers.....	2,108	28	74	232	300	94	207
Alien.....	7,886	188	376	573	646	338	842
Unknown.....	930	28	115	62	119	17	70
Negro.....	198	9	21	2	62	1	13
Indian, Chinese, and Japanese.....	21	2	1	3	4	—	1
Females 21 years of age and over.....	109,664	5,605	6,761	7,853	13,420	1,946	8,750
Native white—Native parentage.....	66,834	3,996	4,733	4,891	6,920	972	4,784
Native white—Foreign or mixed parentage.....	21,861	1,159	1,230	1,481	4,051	459	2,250
Foreign-born white.....	17,770	443	788	1,479	2,368	515	1,710
Naturalized.....	10,285	237	408	905	1,470	282	899
First papers.....	117	2	13	7	13	2	6
Alien.....	6,377	121	278	493	745	221	729
Unknown.....	991	23	89	74	170	10	76
Negro.....	144	7	10	1	50	—	6
Indian.....	5	—	—	—	1	—	—
Males 18 to 44 years, inclusive.....	66,736	3,343	4,381	4,668	8,494	1,519	5,661
Females 18 to 44 years, inclusive.....	65,970	3,202	4,347	4,823	8,876	1,273	5,627
<b>ILLITERACY.</b>							
Total 10 years of age and over.....	284,472	15,086	17,955	20,764	35,185	5,805	23,784
Number illiterate.....	8,488	352	401	417	1,761	185	1,067
Per cent illiterate.....	3.0	2.3	2.2	2.0	5.0	3.2	4.5
Per cent illiterate in 1910.....	3.7	4.4	3.2	2.6	5.3	4.2	6.9
Native white.....	241,286	14,040	15,991	17,343	29,671	4,438	19,568
Number illiterate.....	3,613	202	159	192	857	45	619
Per cent illiterate.....	1.5	1.4	1.0	1.1	2.9	1.0	3.2
Foreign-born white.....	42,701	1,024	1,916	3,414	5,373	1,365	4,187
Number illiterate.....	4,837	146	237	223	894	139	447
Per cent illiterate.....	11.3	14.3	12.4	6.5	16.6	10.2	10.7
Negro.....	454	80	47	3	136	2	28
Number illiterate.....	28	4	5	—	8	1	1
Per cent illiterate.....	6.2	—	—	—	5.9	—	—
Total 16 to 20 years, inclusive.....	28,851	1,482	1,906	2,048	3,892	614	2,650
Number illiterate.....	227	9	11	12	44	3	33
Per cent illiterate.....	0.8	0.6	0.6	0.6	1.1	0.5	1.2
Illiterate males 21 years of age and over.....	4,957	209	249	258	943	118	620
Per cent of all males 21 years of age and over.....	4.5	3.5	3.5	3.2	7.3	4.9	6.9
Native white.....	2,145	134	101	130	460	26	356
Foreign-born white.....	2,788	73	146	127	476	91	263
Negro.....	16	2	2	—	5	1	1
Illiterate females 21 years of age and over.....	3,195	129	134	142	748	59	405
Per cent of all females 21 years of age and over.....	3.0	2.3	2.0	1.8	5.3	3.0	4.6
Native white.....	1,197	54	44	45	333	11	230
Foreign-born white.....	1,984	73	87	96	412	48	175
Negro.....	12	2	3	—	3	—	—
<b>DWELLINGS AND FAMILIES.</b>							
Dwellings, number.....	77,158	4,418	4,947	5,432	8,750	1,612	6,459
Families, number.....	85,804	4,606	5,317	6,568	9,964	1,721	7,108

<sup>1</sup> 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.]

SUBJECT.	Grand Isle.	Lamoille.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>								
Total population.....	3,784	11,858	17,379	23,813	46,213	38,931	20,373	38,984
Male.....	1,985	6,098	8,200	12,181	23,100	16,798	13,354	19,305
Female.....	1,819	5,760	8,361	11,732	23,113	10,125	13,019	17,079
Native white.....	3,435	10,901	15,802	18,418	40,510	31,835	23,899	33,090
Male.....	1,791	5,568	8,200	9,407	19,991	15,825	12,041	17,451
Female.....	1,644	5,333	7,602	9,011	20,519	16,010	11,858	15,639
Native white—Native parentage.....	2,571	9,281	13,024	11,980	28,172	22,052	19,385	27,092
Native white—Foreign parentage.....	322	642	672	2,733	8,353	6,094	2,607	2,999
Native white—Mixed parentage.....	542	978	1,200	3,705	3,985	3,089	1,847	2,099
Foreign-born white.....	340	952	1,368	5,488	5,624	7,055	2,430	3,102
Male.....	174	520	713	2,770	3,062	3,955	1,285	1,798
Female.....	175	432	655	2,718	2,562	3,100	1,145	1,304
Negro.....	21	6	21	6	69	31	34	97
Male.....	4	1	15	3	40	10	18	65
Female.....	3	1	6	3	29	15	16	42
Indian, Chinese, and Japanese (see Tables 1 and 7).....				1	10		10	5
Per cent native white.....	90.8	91.0	92.0	77.0	87.7	81.8	90.6	91.1
Per cent foreign-born white.....	9.2	8.0	7.9	22.0	12.2	18.1	9.2	8.6
Per cent Negro.....		( <sup>1</sup> )	0.1	( <sup>1</sup> )	0.1	0.1	0.1	0.3
1910: Total population.....	3,761	12,585	18,703	33,337	48,139	41,703	26,932	33,681
Native white.....	3,402	11,824	17,360	18,974	39,937	32,949	24,231	30,813
Foreign-born white.....	350	758	1,331	4,343	8,090	8,711	2,655	2,798
Negro.....	12	8	20	108	41	45	67	67
Per cent native white.....	90.5	94.0	92.8	81.3	83.0	79.0	90.0	91.5
Per cent foreign-born white.....	9.5	6.0	7.1	18.6	16.8	20.9	9.0	8.3
Per cent Negro.....		( <sup>1</sup> )	0.1	0.1	0.2	0.1	0.2	0.2
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>								
Total under 7 years of age.....	619	1,655	2,301	3,560	6,031	5,057	3,128	4,000
Total 7 to 13 years, inclusive.....	685	1,650	2,140	3,444	6,170	5,153	3,169	4,457
Number attending school.....	605	1,552	1,947	3,088	5,870	4,784	2,993	4,264
Per cent attending school.....	94.4	93.7	90.6	89.7	95.3	92.8	94.4	95.7
Total 14 and 15 years.....	145	445	577	903	1,800	1,307	815	1,130
Number attending school.....	109	394	500	794	1,392	1,174	682	1,014
Per cent attending school.....	75.2	88.5	86.7	87.0	87.0	89.0	83.7	89.0
Total 16 and 17 years.....	138	410	500	887	1,597	1,412	801	1,165
Number attending school.....	30	214	251	305	771	710	346	587
Per cent attending school.....	21.7	51.1	50.2	41.1	49.2	50.3	43.2	50.4
Total 18 to 20 years, inclusive.....	190	552	717	1,144	2,053	1,820	1,130	1,605
Number attending school.....	17	127	186	178	416	376	204	320
Per cent attending school.....	8.5	23.0	21.8	15.3	20.3	20.7	18.1	19.2
Males 21 years of age and over.....	1,124	3,681	5,040	7,108	14,000	12,396	8,078	12,457
Native white—Native parentage.....	973	2,772	4,431	5,529	7,859	6,708	4,283	6,200
Native white—Foreign or mixed parentage.....	303	519	581	1,037	3,300	2,079	1,170	1,550
Foreign-born white.....	148	388	618	1,908	2,821	3,639	1,204	1,685
Naturalized.....	71	100	200	630	1,405	2,157	541	663
First papers.....	5	35	67	187	237	277	151	222
Alien.....	54	220	232	1,140	1,092	920	461	795
Unknown.....	18	24	30	41	87	176	51	85
Negro.....		2	10	3	25	10	11	29
Indian, Chinese, and Japanese.....				1	4		4	1
Females 21 years of age and over.....	1,024	3,450	5,335	6,807	14,183	11,770	8,052	11,102
Native white—Native parentage.....	900	2,669	4,221	5,310	8,151	6,918	4,294	6,416
Native white—Foreign or mixed parentage.....	277	451	557	1,521	3,055	2,105	1,203	1,302
Foreign-born white.....	147	320	551	1,005	2,353	2,743	1,082	1,267
Naturalized.....	60	189	300	935	1,321	1,867	630	880
First papers.....		3	2	7	7	28	8	15
Alien.....	87	125	157	670	630	665	397	500
Unknown.....	14	12	32	40	95	243	47	66
Negro.....		1	6	2	13	10	13	25
Indian.....					1			2
Males 18 to 44 years, inclusive.....	719	2,130	2,900	4,324	8,871	7,658	4,707	7,611
Females 18 to 44 years, inclusive.....	688	2,084	2,911	4,330	8,804	7,945	4,883	6,708
<b>ILLITERACY.</b>								
Total 10 years of age and over.....	2,944	9,488	14,051	18,874	36,897	31,639	21,908	30,088
Number illiterate.....	115	140	196	333	903	606	443	810
Per cent illiterate.....	3.9	1.4	1.4	1.8	2.4	1.9	2.0	2.7
Per cent illiterate in 1910.....	10.5	2.1	1.6	8.8	4.4	2.7	2.4	2.3
Native white.....	2,617	8,618	12,720	13,034	31,298	24,698	10,402	26,888
Number illiterate.....	75	94	100	230	825	320	160	203
Per cent illiterate.....	2.9	1.1	0.8	1.9	2.6	1.3	0.8	0.8
Foreign-born white.....	327	807	1,812	4,034	5,540	6,017	2,402	3,123
Number illiterate.....	40	55	90	372	627	670	202	305
Per cent illiterate.....	12.2	6.3	5.0	7.5	11.3	9.7	12.2	19.4
Negro.....		3	10	8	53	24	30	74
Number illiterate.....					8			1
Per cent illiterate.....								
Total 16 to 20 years, inclusive.....	337	971	1,277	2,031	3,620	3,232	1,931	2,860
Number illiterate.....	2	4	0	17	21	33	9	23
Per cent illiterate.....	0.6	0.4	0.5	0.8	0.6	1.0	0.5	0.8
Illiterate males 21 years of age and over.....	62	116	128	413	512	600	263	501
Per cent of all males 21 years of age and over.....	5.5	3.1	2.3	5.8	3.7	4.0	3.0	4.0
Native white.....	45	74	60	174	191	192	86	106
Foreign-born white.....	16	41	60	238	314	374	176	394
Negro.....					5			
Illiterate females 21 years of age and over.....	50	28	60	105	421	381	100	276
Per cent of all females 21 years of age and over.....	4.9	0.8	1.1	2.9	3.0	3.2	1.9	2.3
Native white.....	20	10	20	74	114	97	51	73
Foreign-born white.....	24	12	31	123	303	284	115	202
Negro.....					3			1
<b>DWELLINGS AND FAMILIES.</b>								
Dwellings, number.....	890	2,715	4,320	5,109	10,108	8,108	5,770	8,454
Families, number.....	908	2,916	4,628	5,739	11,093	9,320	6,787	9,160

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

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.	Barre.	Burlington.	Rutland.	SUBJECT.	Barre.	Burlington.	Rutland.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>				<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP—Continued.</b>			
Total population.....	10,008	22,779	14,954	Females 21 years of age and over.....	2,058	7,578	5,109
Male.....	5,022	10,704	7,130	Native white—Native parentage.....	1,126	3,630	2,808
Female.....	4,986	12,075	7,824	Native white—Foreign or mixed parentage.....	1,541	2,491	1,598
Native white.....	6,705	19,565	13,403	Foreign-born white.....	1,290	1,422	699
Male.....	3,189	9,152	6,357	Naturalized.....	893	887	419
Female.....	3,516	10,413	7,046	First papers.....	20	9	1
Native white—Native parentage.....	3,218	12,429	9,077	Alien.....	308	396	219
Native white—Foreign parentage.....	2,634	3,717	2,783	Unknown.....	69	130	60
Native white—Mixed parentage.....	823	3,419	1,543	Negro.....	1	35	4
Foreign-born white.....	3,300	3,116	1,537	Males 18 to 44 years, inclusive.....	2,198	4,188	2,897
Male.....	1,831	1,503	765	Females 18 to 44 years, inclusive.....	2,132	5,000	3,262
Female.....	1,469	1,613	772	<b>ILLITERACY.</b>			
Negro.....	3	96	12	Total 10 years of age and over.....	8,052	18,454	12,327
Male.....	2	47	6	Number illiterate.....	360	975	266
Female.....	1	49	6	Per cent illiterate.....	4.5	5.3	2.2
Indian and Chinese.....		2	2	Per cent illiterate in 1910.....	1.0	6.9	3.4
Per cent native white.....	67.0	85.9	89.6	Native white.....	4,805	15,342	10,793
Per cent foreign-born white.....	33.0	13.7	10.3	Number illiterate.....	34	503	62
Per cent Negro.....	( <sup>1</sup> )	0.4	0.1	Per cent illiterate.....	0.7	3.3	0.6
1910: Total population.....	10,734	20,468	13,546	Foreign-born white.....	3,244	3,029	1,521
Native white.....	6,628	16,410	11,768	Number illiterate.....	326	468	201
Foreign-born white.....	4,108	3,938	1,767	Per cent illiterate.....	10.0	15.4	13.2
Negro.....	2	115	18	Negro.....	3	81	11
Per cent native white.....	61.7	80.2	86.8	Number illiterate.....		6	3
Per cent foreign-born white.....	38.3	19.2	13.0	Per cent illiterate.....			
Per cent Negro.....	( <sup>1</sup> )	0.6	0.1	Total 16 to 20 years, inclusive.....	890	2,010	1,194
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>				Number illiterate.....	5	17	7
Total under 7 years of age.....	1,350	3,060	1,860	Per cent illiterate.....	0.6	0.8	0.6
Total 7 to 13 years, inclusive.....	1,384	2,994	1,802	Illiterate males 21 years of age and over.....	189	492	110
Number attending school.....	1,350	2,865	1,648	Per cent of all males 21 years of age and over.....	6.2	7.7	2.5
Per cent attending school.....	97.5	95.7	91.5	Native white.....	19	254	34
Total 14 and 15 years.....	365	788	502	Foreign-born white.....	170	234	75
Number attending school.....	335	669	443	Negro.....		4	1
Per cent attending school.....	91.8	84.9	88.2	Illiterate females 21 years of age and over.....	166	454	148
Total 16 and 17 years.....	375	773	482	Per cent of all females 21 years of age and over.....	5.6	6.0	2.9
Number attending school.....	209	321	251	Native white.....	11	223	25
Per cent attending school.....	55.7	41.5	52.1	Foreign-born white.....	155	229	121
Total 18 to 20 years, inclusive.....	515	1,237	712	Negro.....		2	2
Number attending school.....	115	261	148	<b>DWELLINGS AND FAMILIES.</b>			
Per cent attending school.....	22.3	21.1	20.8	Dwellings, number.....	1,826	4,201	2,843
Males 21 years of age and over.....	3,061	6,349	4,487	Families, number.....	2,419	5,241	3,630
Native white—Native parentage.....	917	3,040	2,508				
Native white—Foreign or mixed parentage.....	515	1,936	1,267				
Foreign-born white.....	1,627	1,334	706				
Naturalized.....	1,071	806	442				
First papers.....	143	163	69				
Alien.....	372	295	155				
Unknown.....	41	70	40				
Negro.....	2	37	4				

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

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

SUBJECT.	Bellows Falls.	Bennington.	Brattleboro.	Montpelier.	Newport.	Proctor.	St. Albans.	St. Johnsbury.	Springfield.	Windsor.	Winooski.
<b>COLOR OR RACE, NATIVITY, AND SEX.</b>											
Total population.....	4,880	7,220	7,324	7,125	4,976	2,693	7,588	7,164	5,283	3,061	4,932
Male.....	2,472	3,399	3,381	3,388	2,488	1,404	3,646	3,408	2,018	1,631	2,467
Female.....	2,388	3,861	3,943	3,742	2,488	1,288	3,942	3,756	2,305	1,430	2,465
Native white—Native parentage.....	2,422	4,817	5,085	4,106	2,167	712	4,038	3,730	3,808	2,015	1,648
Native white—Foreign or mixed parentage.....	1,575	1,639	1,479	1,019	1,042	1,080	2,418	2,140	754	662	2,050
Foreign-born white.....	857	760	780	1,092	1,166	900	1,102	1,270	718	378	1,191
Negro.....	5	13	8	8	1	2	29	2	8	0	34
Indian, Chinese, and Japanese.....	1	1	2	1	1	1	1	4	1	1	1
<b>AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.</b>											
Total under 7 years of age.....	603	734	759	784	607	400	1,027	938	708	430	824
Total 7 to 13 years, inclusive.....	604	747	882	846	601	388	925	854	514	294	741
Number attending school.....	591	690	852	786	647	383	894	820	404	287	726
Total 14 and 15 years.....	136	204	190	220	181	95	205	224	122	70	201
Number attending school.....	125	179	153	213	164	88	222	198	113	60	170
Total 16 to 20 years, inclusive.....	308	697	595	598	395	209	682	592	410	252	628
Number attending school.....	140	128	159	256	102	75	190	159	120	73	50
Males 21 years of age and over.....	1,508	2,230	2,327	2,109	1,512	796	2,272	2,182	2,045	1,089	1,330
Native white—Native parentage.....	782	1,439	1,577	1,180	673	172	1,088	1,082	1,302	681	338
Native white—Foreign or mixed parentage.....	334	426	404	459	303	145	704	516	199	190	439
Foreign-born white.....	416	366	342	520	475	479	470	550	452	215	547
Naturalized.....	207	146	170	325	193	217	233	248	94	68	262
Negro.....	1	4	2	1	1	1	9	1	2	3	12
Females 21 years of age and over.....	1,550	2,612	2,801	2,409	1,530	705	2,417	2,404	1,484	917	1,302
Native white—Native parentage.....	770	1,688	1,914	1,454	651	183	1,145	1,252	1,088	557	331
Native white—Foreign or mixed parentage.....	300	374	505	578	349	166	787	561	168	180	485
Foreign-born white.....	303	347	377	406	330	350	481	589	227	148	479
Naturalized.....	235	164	200	312	288	192	293	341	71	65	280
Negro.....	3	3	5	1	1	1	4	1	1	2	7
<b>ILLITERACY.</b>											
Total 10 years of age and over.....	3,015	6,179	6,881	5,974	3,093	2,082	6,157	5,857	4,352	2,492	3,790
Number illiterate.....	131	147	105	111	202	94	192	152	832	105	343
Native whites 10 years of age and over.....	3,008	6,415	5,525	4,888	2,873	1,180	5,070	4,017	3,042	2,111	2,597
Number illiterate.....	23	37	41	30	72	8	55	50	30	11	102
Foreign-born whites 10 years of age and over.....	846	754	740	1,081	1,110	892	1,005	1,234	707	375	1,168
Number illiterate.....	108	110	68	72	130	91	107	100	296	104	241
Illiterate males 21 years of age and over.....	70	93	54	64	117	51	98	85	221	80	182
Illiterate females 21 years of age and over.....	60	52	47	47	79	30	80	60	104	23	143
<b>DWELLINGS AND FAMILIES.</b>											
Dwellings, number.....	798	1,540	1,427	1,490	979	543	1,443	1,109	907	680	861
Families, number.....	1,199	1,711	1,821	1,760	1,233	561	1,790	1,817	1,181	796	999

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.																						
			Austria.	Canada—French.	Canada—Other.	Czechoslovakia.	Denmark.	England.	Finland.	France.	Germany.	Greece.	Hungary.	Ireland.	Italy.	Norway.	Poland.	Russia.	Scotland.	Spain.	Sweden.	Switzerland.	Syria.	Wales.	All other countries.
COUNTIES.																									
The state .....		44,586	883	14,181	10,687	108	155	2,197	476	197	630	107	384	3,884	4,067	106	1,726	1,333	1,854	601	1,183	187	828	549	403
Addison.....		1,100	0	595	204	2	3	35	4	2	38	8	14	111	33	2	7	20	13	2	20	1	2	2	15
Bennington.....		1,040	19	477	195	13	10	129	45	11	100	12	2	323	285	5	40	97	42	45	8	17	11	42	42
Caledonia.....		3,877	5	1,077	1,695	8	210	16	13	16	10	10	107	128	6	13	32	141	27	23	1	.....	5	35	36
Chittenden.....		5,547	50	2,040	641	8	10	251	30	36	160	51	0	844	232	5	103	382	85	4	21	6	90	3	78
Essex.....		1,420	1	668	580	.....	2	53	2	2	5	2	.....	35	20	4	.....	14	0	1	0	.....	12	.....	7
Franklin.....		4,471	5	2,510	1,367	.....	2	231	1	30	23	3	.....	133	47	2	8	34	35	.....	7	3	5	1	10
Grand Isle.....		340	.....	214	107	.....	.....	0	.....	.....	3	.....	.....	5	.....	1	.....	2	.....	.....	.....	.....	.....	.....	1
Lamoille.....		932	2	482	315	.....	4	54	2	1	8	.....	.....	40	10	.....	11	9	22	0	5	18	1	1	4
Orange.....		1,366	21	330	523	.....	14	123	7	6	22	4	.....	43	51	11	10	11	90	32	17	7	.....	1	21
Orleans.....		5,488	1	2,801	2,170	.....	2	186	.....	15	6	.....	.....	98	23	4	4	63	58	.....	9	9	25	4	15
Rutland.....		5,624	107	604	381	58	16	168	114	17	61	15	215	598	1,010	13	964	120	54	9	503	5	16	484	62
Washington.....		7,055	35	832	1,272	1	53	800	65	28	91	8	7	301	1,815	21	24	73	1,102	573	180	95	48	12	79
Windham.....		2,430	16	248	501	3	5	167	27	15	71	36	7	482	156	13	200	66	50	.....	221	14	.....	3	40
Windsor.....		3,192	15	403	727	10	20	263	104	21	55	13	0	208	248	10	246	410	130	4	54	17	3	22	45
CITIES.																									
Barrre.....		3,300	22	179	300	.....	19	93	20	10	16	3	4	90	1,283	4	1	18	818	173	112	04	35	1	20
Burlington.....		3,116	27	1,456	426	1	5	145	8	17	85	40	4	200	145	4	31	358	64	2	10	2	58	3	35
Rutland.....		1,597	7	289	184	.....	10	78	2	0	18	15	3	250	518	2	74	31	23	1	80	.....	16	8	16

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

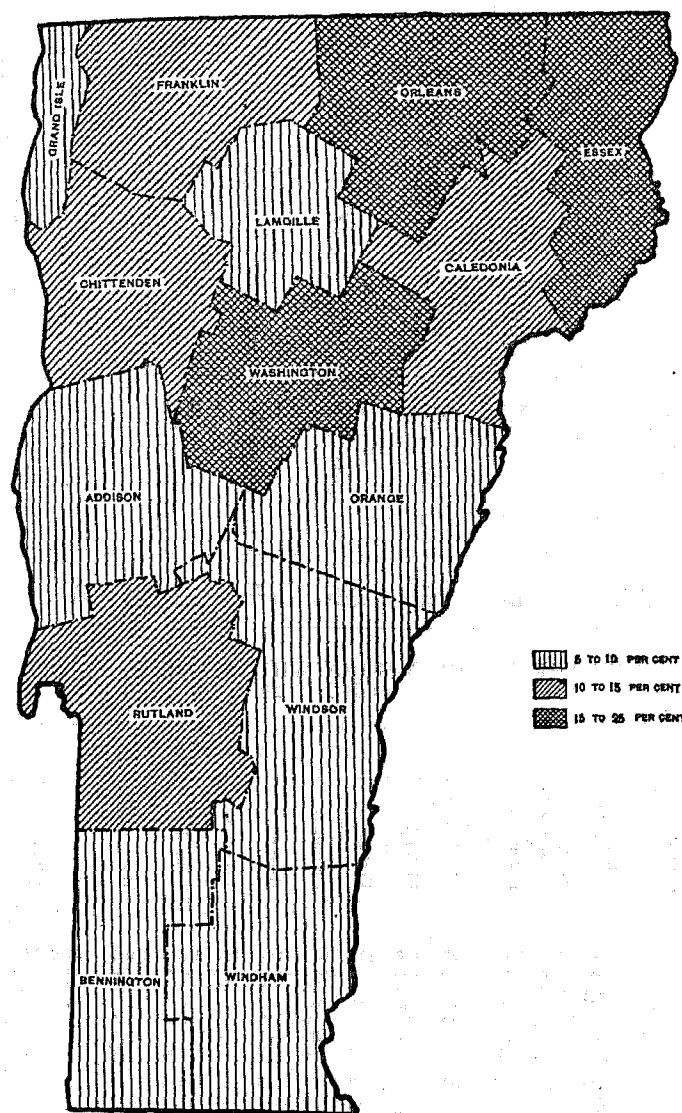




TABLE 18.—AGE, BY QUINQUENNIAL PERIODS, WITH SINGLE YEARS FOR PERSONS UNDER 25, FOR THE STATE: 1920.

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

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.....	178,854	173,574	115,392	112,933	21,184	20,816	18,217	18,649	23,711	20,815	320	252	30	9
Under 5 years.....	17,502	17,042	12,367	11,883	2,676	2,663	2,194	2,164	242	298	20	32	3	2
Under 1 year.....	3,341	3,233	2,300	2,285	494	523	427	391	26	28	4	6		
5 to 9 years.....	10,827	10,585	11,470	11,384	2,459	2,418	2,191	2,127	663	622	33	33	2	1
10 to 14 years.....	16,620	15,965	11,318	10,977	2,136	2,098	2,164	1,997	966	872	34	21	2	
15 to 19 years.....	14,880	14,628	10,148	9,968	1,639	1,638	1,917	1,988	1,142	1,015	33	18	1	1
20 to 24 years.....	13,277	13,270	8,908	8,866	1,401	1,368	1,510	1,667	1,439	1,368	17	18	2	
25 to 29 years.....	12,594	12,708	7,988	8,172	1,280	1,258	1,347	1,420	1,977	1,844	10	14	3	
30 to 34 years.....	11,710	11,690	7,004	7,260	1,091	1,068	1,104	1,304	2,431	2,047	17	18	3	2
35 to 39 years.....	12,149	11,600	7,137	6,947	1,171	1,181	1,155	1,244	2,650	2,202	30	25	6	1
40 to 44 years.....	11,369	11,007	6,697	6,539	1,240	1,172	1,037	1,185	2,366	2,086	28	25	1	
45 to 49 years.....	11,448	10,319	6,718	6,083	1,339	1,358	1,027	1,036	2,340	1,834	23	7	1	1
50 to 54 years.....	10,217	9,271	6,037	5,537	1,334	1,299	784	792	2,042	1,633	19	10	1	
55 to 59 years.....	8,217	7,556	4,920	4,592	1,132	1,096	568	579	1,569	1,280	18	9	1	
60 to 64 years.....	7,107	6,785	4,493	4,225	956	975	446	406	1,202	1,110	10	9		
65 to 69 years.....	5,778	5,421	3,802	3,509	686	624	322	279	961	945	7	4		
70 to 74 years.....	4,165	4,226	2,821	2,941	356	352	218	211	766	718	2	4	2	
75 to 79 years.....	2,791	2,881	1,943	2,081	209	207	113	107	521	486	4		1	
80 to 84 years.....	1,331	1,555	900	1,133	61	93	43	56	262	272	4	1	1	
85 to 89 years.....	511	684	308	509	21	28	11	18	111	127		2		
90 to 94 years.....	109	185	79	134	3	7		2	27	42				
95 to 99 years.....	15	35	12	23	2	1		1	1	10				
100 years and over.....	5	2	1	1	1				3	1				
Age unknown.....	232	144	183	110	11	12	6	6	30	13	2	2		1
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		
Under 5 years.....	0.8	0.8	10.7	10.5	12.6	12.7	12.0	11.6	1.0	1.4	0.3	12.7		
Under 1 year.....	1.9	1.9	2.1	2.0	2.3	2.5	2.3	2.1	0.1	0.1	1.3	2.4		
5 to 9 years.....	0.4	0.6	0.9	10.1	11.6	11.6	12.0	11.4	2.8	3.0	10.3	13.1		
10 to 14 years.....	0.3	0.2	0.8	9.7	10.1	10.0	11.9	10.7	4.1	4.2	10.6	8.3		
15 to 19 years.....	8.3	8.4	8.8	8.8	7.7	7.8	10.5	10.7	4.8	4.9	10.3	7.1		
20 to 24 years.....	7.4	7.6	7.7	7.8	6.6	6.5	8.3	8.9	6.1	6.5	5.3	7.1		
25 to 29 years.....	7.0	7.3	6.9	7.2	5.9	6.0	7.4	7.6	8.3	8.9	5.9	5.6		
30 to 34 years.....	6.5	6.7	6.1	6.4	5.2	5.1	6.4	7.0	10.3	9.8	5.3	7.1		
35 to 39 years.....	6.8	6.7	6.2	6.2	5.5	5.6	6.3	6.7	11.2	10.6	9.4	9.9		
40 to 44 years.....	0.4	0.3	5.8	5.8	5.9	5.6	5.7	6.4	10.0	10.0	8.8	9.9		
45 to 49 years.....	0.4	5.0	5.8	5.4	6.3	6.5	5.6	5.6	9.9	8.8	7.2	2.8		
50 to 54 years.....	5.7	5.3	5.2	4.9	6.3	6.2	4.3	4.2	8.6	7.8	5.9	4.0		
55 to 59 years.....	4.6	4.4	4.3	4.1	5.3	5.2	3.1	3.1	6.6	6.1	5.6	3.6		
60 to 64 years.....	4.0	3.9	3.9	3.7	4.5	4.7	2.4	2.5	5.1	5.3	3.1	3.6		
65 to 74 years.....	5.6	5.6	5.7	5.8	4.9	4.7	3.0	2.6	7.3	8.0	2.8	3.2		
75 to 84 years.....	2.3	2.6	2.5	2.8	1.3	1.4	0.9	0.9	3.3	3.6	2.5	0.4		
85 to 94 years.....	0.3	0.5	0.4	0.6	0.1	0.2	0.1	0.1	0.6	0.8		0.8		
95 years and over.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0.1	0.1	0.6	0.8	
Age unknown.....	0.1	0.1	0.2	0.1	0.1	0.1								
Year of age (1-24).														
1 year.....	3,570	3,425	2,547	2,437	532	509	430	421	46	52	5	6	1	2
2 years.....	3,676	3,502	2,514	2,401	568	547	442	435	51	48	1	9		
3 years.....	3,509	3,452	2,444	2,344	552	540	459	400	54	72	6	6		
4 years.....	3,506	3,430	2,472	2,356	530	544	438	427	65	98	4	5	2	
5 years.....	3,434	3,323	2,331	2,231	543	527	452	447	99	112	9	5		1
6 years.....	3,390	3,393	2,335	2,302	480	512	439	405	124	104	6	10		
7 years.....	3,380	3,330	2,273	2,274	511	482	465	439	120	133	6	2	2	
8 years.....	3,252	3,280	2,230	2,224	461	486	400	431	149	133	6	6		
9 years.....	3,365	3,259	2,301	2,203	455	411	441	405	162	140	6	10		
10 years.....	3,342	3,334	2,258	2,248	487	437	421	417	169	180	7	2		
11 years.....	3,301	3,202	2,235	2,192	480	452	443	400	184	153	8	5	1	
12 years.....	3,480	3,225	2,353	2,226	452	406	400	402	221	188	3	3		
13 years.....	3,244	3,160	2,241	2,214	396	391	421	389	185	167	10	5	1	
14 years.....	3,244	3,038	2,231	2,097	381	392	419	389	207	184	0	6		
15 years.....	3,018	2,970	2,104	2,016	329	342	361	419	188	192	5	6	1	1
16 years.....	3,173	3,029	2,144	2,024	371	382	430	423	220	217	8	3		
17 years.....	3,052	2,943	2,127	2,016	324	320	375	392	223	201	3	5		
18 years.....	2,813	2,610	1,890	2,036	310	305	361	378	245	189	7	2		
19 years.....	2,824	2,770	1,883	1,876	305	300	360	376	266	216	10	2		
20 years.....	2,047	2,690	1,820	1,837	271	285	308	326	236	238	2	4	1	
21 years.....	2,081	2,515	1,842	1,700	285	272	300	296	248	237	5	4	1	
22 years.....	2,716	2,724	1,794	1,820	286	267	323	354	309	277	4	6		
23 years.....	2,619	2,718	1,739	1,774	293	289	301	358	283	294	3	3		
24 years.....	2,614	2,629	1,704	1,728	260	255	278	333	303	312	3	1		

1 Less than one-tenth of 1 per cent.

TABLE 14.—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.	127,905	41,894	32.8	76,310	59.7	8,372	6.5	1,171	123,982	32,397	26.1	74,505	60.1	15,989	12.9	1,014
15 to 19 years.	14,880	14,648	98.4	225	1.5	3	(2)	2	14,628	13,194	90.2	1,412	9.7	13	0.1	3
20 to 24 years.	13,277	9,796	73.8	3,393	25.6	63	0.5	19	13,276	6,704	50.5	6,374	48.0	125	0.9	58
25 to 34 years.	24,304	7,903	32.5	15,883	65.4	361	1.5	137	24,407	4,966	20.3	18,026	76.3	575	2.4	229
35 to 44 years.	23,518	3,915	16.6	18,615	79.2	692	2.9	285	22,607	2,709	12.0	18,456	81.6	1,174	5.2	261
45 to 54 years.	21,605	2,802	12.9	17,250	79.6	1,260	5.8	333	19,590	2,091	10.7	16,012	76.8	2,222	11.3	226
55 to 64 years.	15,324	1,683	11.0	11,747	76.7	1,656	10.8	226	14,341	1,414	9.9	9,287	64.8	3,485	24.3	150
65 years and over.	14,705	1,076	7.3	9,122	62.0	4,318	29.4	167	14,989	1,273	8.5	5,245	35.0	8,373	55.0	87
Age unknown.	232	71	30.6	75	32.3	19	8.2	2	144	46	31.9	63	43.8	22	15.3	-----
Native white—Native parentage:																
15 years and over.	80,228	26,593	33.2	47,252	58.9	5,441	6.8	816	78,689	21,274	27.0	40,303	58.8	10,328	13.1	740
15 to 19 years.	10,148	9,983	98.4	162	1.6	-----	-----	2	9,968	8,959	89.9	996	10.0	7	0.1	3
20 to 24 years.	8,908	6,453	72.4	2,389	26.8	50	0.6	11	8,805	4,495	50.7	4,237	47.8	84	0.9	42
25 to 34 years.	14,992	4,639	30.9	10,036	66.9	215	1.4	87	15,432	3,162	20.4	11,771	76.3	346	2.2	161
35 to 44 years.	13,834	2,187	15.8	11,035	79.8	405	2.9	201	13,486	1,609	11.9	11,010	81.7	673	5.0	182
45 to 54 years.	12,755	1,536	12.0	10,232	80.2	739	5.8	235	11,620	1,205	10.4	8,949	77.0	1,298	11.2	106
55 to 64 years.	9,422	1,020	10.8	7,190	76.3	1,057	11.2	150	8,817	846	9.6	5,716	64.8	2,137	24.2	114
65 years and over.	9,986	727	7.3	6,153	61.6	2,961	29.7	128	10,391	969	9.3	3,570	34.4	5,770	55.5	72
Native white—For. or mixed par- entage:																
15 years and over.	25,581	9,936	38.8	14,093	55.1	1,316	5.1	224	26,098	8,381	32.1	14,768	56.5	2,763	10.6	186
15 to 19 years.	3,556	3,505	98.6	48	1.3	2	0.1	-----	3,526	3,325	91.7	200	5.7	4	0.1	-----
20 to 24 years.	2,911	2,282	78.4	614	21.1	7	0.2	7	3,035	1,081	35.6	1,311	43.2	28	0.9	13
25 to 34 years.	4,862	1,828	37.6	2,922	60.1	77	1.6	33	5,050	1,313	26.0	3,559	70.5	120	2.4	55
35 to 44 years.	4,608	950	20.6	3,453	75.0	151	3.3	49	4,782	805	16.8	3,651	76.3	277	5.8	47
45 to 54 years.	4,484	757	16.9	3,415	76.2	251	5.6	58	4,485	663	14.8	3,280	73.1	500	11.1	40
55 to 64 years.	3,102	421	13.6	2,303	74.2	324	10.4	51	3,116	409	13.1	1,918	61.6	765	24.0	24
65 years and over.	2,046	185	9.0	1,332	65.1	503	24.6	26	1,986	180	9.1	736	37.1	1,063	53.5	7
Native white—Foreign parentage:																
15 years and over.	13,013	5,139	39.5	7,810	59.3	835	6.0	122	13,737	4,325	31.5	7,584	55.2	1,750	12.7	72
15 to 19 years.	1,639	1,615	98.5	23	1.4	1	0.1	-----	1,638	1,622	99.0	16	1.0	1	0.1	-----
20 to 24 years.	1,401	1,133	80.9	258	18.4	4	0.3	5	1,368	800	58.5	553	40.4	11	0.8	3
25 to 34 years.	2,351	900	38.3	1,395	59.3	43	1.8	11	2,326	634	27.3	1,610	69.5	57	2.5	18
35 to 44 years.	2,411	539	22.4	1,769	73.4	77	3.2	26	2,353	443	18.8	1,745	74.2	147	6.2	16
45 to 54 years.	2,673	501	18.7	1,984	74.2	158	5.9	29	2,657	404	15.2	1,855	69.8	315	11.9	22
55 to 64 years.	2,088	318	15.2	1,520	72.8	215	10.3	33	2,071	321	15.5	1,217	58.8	524	25.3	9
65 years and over.	1,339	127	9.5	858	64.1	336	25.1	18	1,312	138	10.5	481	36.7	680	52.5	4
Native white—Mixed parentage:																
15 years and over.	11,668	4,797	41.1	6,283	53.8	481	4.1	102	12,361	4,056	32.8	7,174	58.0	1,013	8.2	114
15 to 19 years.	1,917	1,890	98.6	25	1.3	1	0.1	-----	1,988	1,803	90.7	182	9.2	3	0.2	-----
20 to 24 years.	1,510	1,149	76.1	356	23.6	3	0.2	2	1,667	881	52.8	758	45.5	17	1.0	10
25 to 34 years.	2,511	928	37.0	1,527	60.8	34	1.4	22	2,724	679	24.9	1,943	71.3	63	2.3	37
35 to 44 years.	2,192	411	18.8	1,684	76.8	74	3.4	23	2,429	362	14.9	1,906	78.5	130	5.4	31
45 to 54 years.	1,811	256	14.1	1,431	79.0	93	5.1	29	1,828	189	10.9	1,425	78.0	185	10.1	18
55 to 64 years.	1,014	103	10.2	783	77.2	109	10.7	18	1,045	88	8.4	701	67.1	241	23.1	15
65 years and over.	707	58	8.2	474	67.0	167	23.6	8	674	42	6.2	255	37.3	374	55.5	3
Foreign-born white:																
15 years and over.	21,840	5,237	24.0	14,850	68.0	1,602	7.3	126	19,023	2,691	14.1	13,353	70.2	2,871	15.1	85
15 to 19 years.	1,142	1,126	98.6	15	1.3	1	0.1	-----	1,015	893	88.0	118	11.6	2	0.2	-----
20 to 24 years.	1,439	1,045	72.6	387	26.9	6	0.4	1	1,358	520	38.3	817	60.2	13	1.0	2
25 to 34 years.	4,408	1,410	32.0	2,999	66.0	69	1.6	17	3,891	488	12.5	3,270	84.2	109	2.8	12
35 to 44 years.	5,016	751	15.0	4,094	81.6	134	2.7	32	4,288	285	6.6	3,752	87.5	218	5.1	31
45 to 54 years.	4,382	499	11.4	3,572	81.5	268	6.1	39	3,407	222	6.4	2,798	80.7	422	12.2	20
55 to 64 years.	2,771	237	8.6	2,234	80.6	272	9.8	24	2,390	157	6.6	1,640	68.9	574	24.0	12
65 years and over.	2,652	160	6.0	1,626	61.3	848	32.0	13	2,601	124	4.8	936	36.0	1,532	58.9	8
Negro:																
15 years and over.	233	108	46.4	110	47.2	11	4.7	4	166	40	24.0	88	53.0	20	15.7	3
15 to 19 years.	33	33	100.0	-----	-----	-----	-----	-----	18	16	-----	2	-----	-----	-----	-----
20 to 24 years.	17	14	82.4	3	17.6	-----	-----	-----	18	8	-----	0	-----	-----	-----	-----
25 to 34 years.	36	21	58.3	15	41.7	-----	-----	-----	32	12	-----	10	-----	-----	-----	-----
35 to 44 years.	58	22	37.9	31	53.4	2	3.4	3	50	10	-----	33	-----	-----	-----	-----
45 to 54 years.	42	10	23.8	30	71.4	2	4.8	1	17	1	-----	14	-----	-----	-----	-----
55 to 64 years.	28	5	17.9	20	71.4	2	7.1	1	18	2	-----	7	-----	-----	-----	-----
65 years and over.	17	2	11.8	10	58.8	5	29.4	-----	11	-----	-----	3	-----	-----	-----	-----
Indian—15 years and over.	8	6	75.0	1	12.5	1	12.5	-----	6	2	-----	3	-----	1	-----	-----
Chinese—15 years and over.	11	6	54.5	3	27.3	1	9.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Japanese—15 years and over.	4	3	75.0	1	25.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
All other—15 years and over.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1910																
All classes—15 years and over.	132,793	45,567	34.3	77,671	58.5	8,281	6.2	1,141	124,884	32,963	26.4	75,681	60.6	15,215	12.2	990
Native white:																
Native parentage.	81,917	27,295	33.3													

## COMPOSITION AND CHARACTERISTICS.

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TABLE 15.—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		
Total population.....	352,428	351,817	611	100.0	100.0	100.0	100.0	100.0	100.0	-----	-----
Native.....	307,870	307,291	579	87.4	86.0	87.3	85.9	94.8	96.4	100.0	100.0
Born in—											
Vermont.....	250,538	250,196	342	71.1	70.4	71.1	70.6	58.0	27.0	81.4	82.1
New York.....	20,655	20,604	51	5.9	5.8	5.9	5.8	8.3	3.9	6.7	6.7
Massachusetts.....	11,328	11,301	27	3.2	2.9	3.2	2.9	4.4	3.0	3.7	3.4
New Hampshire.....	10,417	10,413	4	3.0	2.8	3.0	2.8	0.7	0.5	3.4	3.2
Maine.....	2,530	2,530	—	0.7	0.7	0.7	0.7	-----	0.2	0.8	0.8
Connecticut.....	1,750	1,747	3	0.5	0.4	0.5	0.4	0.5	0.3	0.6	0.5
Pennsylvania.....	1,082	1,075	7	0.3	0.3	0.3	0.3	1.1	2.4	0.3	0.3
Rhode Island.....	738	738	—	0.2	0.2	0.2	0.2	-----	0.2	0.2	0.2
Illinois.....	691	694	—	0.2	0.2	0.2	0.2	-----	0.8	0.2	0.2
New Jersey.....	645	641	4	0.2	0.1	0.2	0.1	0.7	0.7	0.2	0.1
Ohio.....	595	594	1	0.2	0.1	0.2	0.1	0.2	1.8	0.2	0.2
Michigan.....	543	539	4	0.2	0.1	0.2	0.1	0.7	0.2	0.2	0.1
Wisconsin.....	517	516	1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2
Iowa.....	337	337	—	0.1	0.1	0.1	0.1	-----	0.3	0.1	0.1
Other states.....	2,917	2,790	127	0.8	0.9	0.8	0.6	20.8	52.9	0.9	0.7
Other native <sup>2</sup> .....	2,584	2,576	8	0.7	1.0	0.7	0.9	1.3	2.1	0.8	1.1
Foreign born.....	44,558	44,526	32	12.6	14.0	12.7	14.1	5.2	3.6	-----	-----

<sup>1</sup> Comprises persons of Negro descent, Indians, Chinese, and Japanese; see Table 1.<sup>2</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 16.—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.]

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.	Per cent.
Total.....	44,558	100.0	23,733	20,825	44,558	21,077	47.3	2,292	19,047	2,110	38,232	19,825	51.9
Canada.....	24,885	55.8	12,023	12,862	24,885	11,099	44.6	1,200	11,397	1,172	20,266	10,438	51.5
French.....	14,181	31.6	7,506	6,675	14,181	5,581	39.4	709	7,346	545	10,988	5,212	47.4
Italy.....	4,067	9.1	2,480	1,587	4,067	1,961	48.2	302	1,690	105	3,580	1,789	50.0
Ireland.....	2,884	6.5	1,231	1,653	2,884	2,007	71.7	68	444	305	2,852	2,059	72.2
England.....	2,197	4.9	1,102	1,095	2,197	1,184	53.9	153	715	145	2,008	1,140	56.8
Scotland.....	1,854	4.2	978	876	1,854	1,326	71.5	92	347	89	1,609	1,165	72.4
Poland.....	1,720	3.9	1,030	689	1,720	223	12.9	84	1,403	16	1,591	264	12.8
Russia.....	1,333	3.0	861	472	1,333	461	34.6	67	754	51	1,205	400	33.2
Sweden.....	1,123	2.5	590	534	1,123	849	75.6	44	191	39	1,086	834	76.8
Spain.....	661	1.5	403	258	661	67	10.1	22	567	5	529	59	11.2
Germany.....	630	1.4	346	284	630	453	71.9	35	103	30	614	446	72.6
Wales.....	549	1.2	301	248	549	411	74.9	27	85	20	517	395	76.4
Finland.....	476	1.1	268	208	476	124	26.1	45	203	14	416	109	26.2
All other countries.....	2,173	4.9	1,352	821	2,158	852	39.5	153	1,049	104	1,959	787	40.2

TABLE 17.—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.
Both sexes.....	44,558	2,651	1,829	6,165	5,723	4,605	19,122	4,403	5.9	4.1	13.8	12.8	10.5	42.9	9.9
Male.....	23,733	1,350	957	3,418	3,175	2,670	10,349	1,805	5.7	4.0	14.4	13.4	11.3	43.6	7.6
Female.....	20,825	1,292	872	2,747	2,548	1,935	8,773	2,598	6.2	4.2	13.2	12.2	9.6	42.1	12.5

TABLE 18.—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.
Both sexes.....	42,701	3,065	7.2	38,232	2,761	7.2
Male.....	22,806	1,348	5.9	20,462	1,181	5.8
Female.....	19,895	1,717	8.6	17,770	1,580	8.9

## POPULATION—VERMONT.

TABLE 19.—SCHOOL ATTENDANCE, BY AGE PERIODS, FOR THE STATE: 1920.

[See also Table 2. Per cent not shown where base is less than 100.]

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.....	68,745	46,175	43,336	93.9	12,276	10,577	86.2	12,197	5,611	46.0	16,654	3,020	18.1	5,254	947
Male.....	34,445	23,370	21,939	93.8	6,262	5,372	85.6	6,225	2,550	41.0	8,284	1,405	17.0	2,015	504
Female.....	34,300	22,796	21,397	93.9	6,014	5,205	86.5	5,972	3,061	51.3	8,370	1,615	19.3	2,039	383
Native white:															
Native parentage.....	47,838	31,568	29,380	94.0	8,448	7,350	87.1	8,311	4,085	49.2	11,351	2,322	20.5	3,000	723
Male.....	23,824	15,807	14,930	94.9	4,335	3,747	86.4	4,271	1,850	43.3	5,602	1,078	19.2	1,804	415
Female.....	24,014	15,761	14,450	94.2	4,113	3,603	87.7	4,040	2,235	55.3	5,749	1,244	21.6	1,832	308
Foreign parentage.....	8,858	0,207	5,061	94.7	1,414	1,204	85.1	1,380	573	41.3	1,770	245	13.8	83	61
Male.....	4,453	3,182	3,005	94.4	710	599	84.4	695	273	39.3	880	117	13.2	398	61
Female.....	4,405	3,115	2,056	94.0	704	605	85.9	691	300	43.4	890	128	14.4	394	22
Mixed parentage.....	8,765	5,934	5,587	94.2	1,618	1,390	85.9	1,620	703	43.4	2,109	339	16.1	659	87
Male.....	4,460	3,081	2,884	94.5	810	707	87.3	805	317	39.4	1,029	152	14.8	347	53
Female.....	4,305	2,853	2,703	93.8	808	683	84.5	815	386	47.4	1,080	187	17.3	312	34
Foreign-born white.....	3,168	2,293	2,020	88.4	771	607	78.7	801	245	30.5	1,390	111	8.0	120	53
Male.....	1,642	1,109	1,075	89.7	395	309	78.2	443	107	24.2	747	55	7.4	62	34
Female.....	1,526	1,094	951	86.9	376	298	79.3	418	138	33.0	643	56	8.7	58	19
Negro.....	113	79	74	-----	23	19	-----	10	5	-----	27	3	-----	11	1
Male.....	63	40	43	-----	11	9	-----	11	3	-----	19	3	-----	4	1
Female.....	50	33	31	-----	12	10	-----	8	2	-----	8	-----	-----	7	-----

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

[See also Table 2. Per cent not shown where base is less than 100.]

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.		Number.	Per cent.
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		
5 years.....	803	11.0	404	11.8	399	12.0	543	11.0	128	12.0	106	11.8	24	11.4
6 years.....	4,399	64.9	2,180	64.0	2,209	65.1	3,061	65.8	657	65.0	543	64.8	90	43.4
7 years.....	5,772	85.0	2,907	85.0	2,865	86.0	3,910	86.0	887	86.3	783	86.0	185	70.6
8 years.....	6,017	92.1	2,991	92.0	3,026	92.3	4,102	92.0	887	93.7	778	93.0	238	84.4
9 years.....	6,180	93.3	3,144	93.4	3,036	93.2	4,301	93.6	800	93.4	788	93.1	267	88.4
10 years.....	6,447	96.0	3,222	96.4	3,225	96.7	4,358	96.7	946	97.1	808	96.4	320	93.4
11 years.....	6,279	96.0	3,184	96.5	3,095	96.7	4,280	96.7	857	97.2	817	96.9	312	92.6
12 years.....	6,491	96.7	3,370	96.8	3,121	96.8	4,442	97.0	831	96.0	830	97.0	376	91.0
13 years.....	6,180	95.9	3,121	96.2	3,059	95.7	4,203	96.4	744	95.8	777	95.0	322	91.5
14 years.....	5,795	92.2	2,989	92.1	2,806	92.4	4,012	92.7	692	93.1	747	92.5	333	85.2
15 years.....	4,782	79.8	2,383	70.0	2,399	80.6	3,344	81.2	612	70.3	643	70.4	274	72.1
16 years.....	3,321	53.5	1,532	48.3	1,789	59.1	2,304	59.7	352	48.0	443	51.9	150	30.4
17 years.....	2,290	38.2	1,018	33.4	1,272	43.2	1,721	41.5	221	33.8	200	33.0	86	20.3
18 years.....	1,527	20.7	637	22.6	890	30.6	1,188	29.5	138	22.4	170	23.0	59	13.0
19 years.....	931	16.6	407	16.5	404	16.8	708	18.7	72	11.0	112	15.2	43	8.0
20 years.....	592	10.5	301	11.4	291	9.7	461	12.0	35	6.3	57	9.0	0	1.0

TABLE 21.—ILLITERACY OF THE POPULATION 10 YEARS OF AGE AND OVER, BY AGE PERIODS, FOR THE STATE: 1920.

[See also Table 4. Per cent not shown where base is less than 100.]

SEX AND AGE PERIOD.	ALL CLASSES: 1920			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
	Total number.	Illiterate.		Native parentage.			Foreign parentage.			Mixed parentage.			Total number.	Illiterate.	
		Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.		Number.	Per cent.
10 years and over.....	284,472	8,488	3.0	181,212	1,904	1.1	31,884	1,154	3.6	28,190	555	2.0	42,701	4,837	11.3
Male.....	144,525	5,150	3.6	91,540	1,270	1.4	16,049	603	4.3	13,832	342	2.5	22,806	2,827	12.4
Female.....	139,947	3,338	2.4	89,672	634	0.7	15,835	401	2.9	14,358	213	1.5	19,895	2,010	10.1
21 years and over.....	217,042	8,152	3.8	135,135	1,715	1.3	23,817	1,117	4.7	19,490	510	2.6	38,832	4,772	12.5
Male.....	110,378	4,957	4.5	68,251	1,150	1.7	12,003	672	5.6	10,443	317	3.4	20,462	2,788	13.6
Female.....	106,664	3,195	3.0	66,884	565	0.8	11,814	445	3.8	9,047	193	1.9	17,770	1,984	11.2
Both sexes:															
10 to 14 years.....	32,585	89	0.3	22,295	54	0.2	4,234	10	0.2	4,161	16	0.4	1,838	9	0.5
15 to 24 years.....	50,001	557	1.0	37,889	221	0.6	6,046	40	0.8	7,082	51	0.7	4,054	236	4.8
25 to 34 years.....	48,711	1,314	2.7	30,424	204	0.9	4,077	73	1.0	5,235	65	1.2	8,290	900	11.0
35 to 44 years.....	46,125	1,532	3.3	27,320	332	1.2	4,764	157	3.3	4,621	109	2.4	9,304	928	10.0
45 to 54 years.....	41,255	1,648	4.0	24,375	378	1.0	5,330	256	4.8	3,630	130	3.7	7,840	860	11.1
55 to 64 years.....	29,605	1,300	4.7	18,230	290	1.6	4,150	200	6.4	2,050	90	4.7	5,161	730	14.1
65 years and over.....	20,694	1,932	9.5	20,377	354	1.7	2,651	345	13.0	1,381	82	5.9	5,253	1,143	21.8
Male:															
10 to 14 years.....	16,020	54	0.3	11,318	35	0.3	2,136	4	0.2	2,104	0	0.4	900	0	0.0
15 to 24 years.....	28,157	320	1.2	19,050	137	0.7	3,040	27	0.9	3,427	32	0.9	2,881	127	4.0
25 to 34 years.....	24,304	708	3.3	14,092	171	1.1	2,351	40	2.0	2,611	42	1.7	4,408	538	12.2
35 to 44 years.....	23,618	970	4.1	13,834	224	1.6	2,411	109	4.5	2,192	67	3.1	5,010	800	11.3
45 to 54 years.....	21,065	1,087	5.0	12,755	272	2.1	2,073	102	6.1	1,811	86	4.7	4,382	502	12.8
55 to 64 years.....	15,324	826	5.4	9,422	190	2.1	2,088	150	7.2	1,014	57	5.6	2,771	417	15.0
65 years and over.....	14,705	1,078	7.3	9,980	226	2.3	1,339	195	14.0	707	40	6.0	2,652	603	22.7
Female:															
10 to 14 years.....	15,995	35	0.2	10,977	19	0.2	2,098	6	0.3	1,997	7	0.4	872	3	0.3
15 to 24 years.....	27,904	231	0.8	18,839	84	0.4	3,000	19	0.6	3,055	19	0.5	2,373	109	4.6
25 to 34 years.....	24,407	516	2.1	15,432	93	0.6	2,326	27	1.2	2,724	23	0.8	3,801	371	9.6
35 to 44 years.....	22,007	602	2.5	13,486	108	0.8	2,353	48	2.0	2,420	42	1.7	4,288	302	8.4
45 to 54 years.....	19,590	561	2.9	11,620	106	0.9	2,657	94	3.5	1,828	50	2.7	3,467	307	8.0
55 to 64 years.....	14,341	504	3.9	8,817	94	1.1	2,071	116	5.6	1,045	39	3.7	2,390	313	13.1
65 years and over.....	14,080	854	5.7	10,301	128	1.2	1,312	150	11.4	674	33	4.0	2,601	510	20.8





TABLE 24.—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, 284,472; males, 144,525; females, 139,947. Persons gainfully occupied—Total, 138,484; males, 111,585; females, 26,900. Per cent of persons 10 years of age and over gainfully occupied—Total, 48.7; males, 77.2; females, 19.2.]

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chil., 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>111,585</b>	<b>68,492</b>	<b>22,754</b>	<b>20,080</b>	<b>239</b>	<b>20</b>	<b>4,260</b>	<b>4,317</b>	<b>11,957</b>	<b>146,749</b>	<b>35,086</b>	<b>9,216</b>
<b>Agriculture, forestry, and animal husbandry..</b>	<b>43,052</b>	<b>30,201</b>	<b>7,269</b>	<b>5,511</b>	<b>67</b>	<b>4</b>	<b>1,947</b>	<b>, 657</b>	<b>4,234</b>	<b>15,942</b>	<b>14,416</b>	<b>4,856</b>
Dairy farm laborers.....	2,582	1,878	35	205	4	.....	370	277	614	848	357	116
Dairy farmers.....	5,827	3,980	1,017	815	6	.....	.....	10	179	2,412	2,556	670
Farm foremen, general farms.....	324	237	57	30	.....	.....	.....	2	20	159	128	15
Farm laborers (home farm).....	2,191	1,537	428	224	2	.....	624	338	563	562	114	50
Farm laborers (working out).....	10,407	7,605	1,770	1,054	37	1	836	858	1,914	3,813	2,231	815
Farmers, general farms.....	18,303	12,900	2,950	2,405	15	3	.....	31	533	6,709	8,002	2,008
Garden laborers.....	234	110	55	69	.....	.....	6	2	10	60	103	53
Gardeners.....	145	98	33	14	.....	.....	.....	.....	1	35	50	53
Lumbermen, raftsmen, and woodchoppers:												
Teamsters and haulers.....	447	285	100	60	1	.....	15	24	86	222	91	9
Other lumbermen, raftsmen, and woodchoppers.....	1,800	1,100	350	445	1	.....	86	105	202	808	507	68
All other occupations.....	540	401	74	70	1	.....	10	10	52	254	181	39
<b>Extraction of minerals.....</b>	<b>1,898</b>	<b>504</b>	<b>460</b>	<b>930</b>	<b>4</b>	<b>.....</b>	<b>101</b>	<b>79</b>	<b>192</b>	<b>865</b>	<b>597</b>	<b>64</b>
Quarry operatives.....	1,021	376	400	841	4	.....	92	72	174	738	491	54
All other occupations.....	277	128	60	89	.....	.....	9	7	18	127	106	10
<b>Manufacturing and mechanical industries.....</b>	<b>38,257</b>	<b>19,858</b>	<b>8,692</b>	<b>9,602</b>	<b>101</b>	<b>4</b>	<b>1,390</b>	<b>1,076</b>	<b>4,287</b>	<b>17,156</b>	<b>11,379</b>	<b>2,369</b>
Apprentices.....	373	210	123	39	1	.....	236	60	53	10	4	1
Bakers.....	180	70	56	67	.....	.....	7	12	38	91	33	8
Blacksmiths.....	1,086	488	272	325	1	.....	.....	3	42	442	504	95
Brick and stone masons.....	391	104	147	77	3	.....	.....	1	15	111	200	64
Carpenters.....	2,781	1,702	582	405	2	.....	0	10	123	956	1,265	400
Compositors, linotypers, and typesetters.....	282	170	70	30	.....	.....	0	8	48	139	65	13
Cranemen, derrickmen, holstmen, etc.....	107	75	63	39	.....	.....	1	14	32	113	33	4
Electricians.....	507	388	138	39	2	.....	.....	23	102	337	92	13
Engineers (stationary).....	417	210	121	85	1	.....	.....	0	38	101	144	31
Filters, grinders, buffers, and polishers (metal).....	213	120	43	50	.....	.....	14	10	22	103	43	12
Firemen (except locomotive and fire department).....	428	229	60	105	4	.....	4	11	30	212	139	26
Foremen and overseers (manufacturing).....	1,011	559	252	199	1	.....	.....	4	35	547	383	40
Iron molders, foundries, and casters.....	507	196	166	146	.....	.....	.....	14	60	287	133	18
Laborers (not otherwise specified)												
Building, general, and not specified laborers.....	2,145	1,312	454	358	19	2	95	107	281	781	682	249
Food industries—												
Butter, cheese, and condensed milk factories.....	304	194	68	42	.....	.....	18	31	47	136	62	10
Other food industries.....	365	195	100	65	5	.....	23	20	55	150	84	23
Iron and steel industries.....	1,173	497	250	419	6	1	50	75	148	515	316	69
Lumber and furniture industries—												
Furniture factories.....	334	173	73	88	.....	.....	40	20	42	137	72	23
Saw and planing mills <sup>1</sup> .....	1,125	728	236	158	3	.....	88	81	171	453	287	45
Other lumber and furniture industries.....	673	367	156	150	.....	.....	51	59	103	245	180	35
Marble and stone yards.....	1,270	406	206	598	.....	.....	53	62	124	603	387	41
Paper and pulp mills.....	629	274	138	215	2	.....	36	55	90	280	136	26
Textile industries—												
Woolen and worsted mills.....	637	258	124	240	6	.....	32	20	69	269	163	45
Other textile industries.....	104	65	47	52	.....	.....	33	20	32	44	47	18
Other industries.....	1,643	1,010	350	209	14	.....	114	126	261	684	381	87
Machinists.....	2,909	1,754	702	446	7	.....	.....	131	478	1,625	684	91
Managers and superintendents (manufacturing).....	638	414	148	76	.....	.....	.....	1	21	352	242	22
Manufacturers.....	840	487	120	236	.....	.....	.....	2	10	340	391	91
Mechanics (not otherwise specified).....	721	487	157	77	.....	.....	.....	33	132	345	171	40
Millwrights.....	158	94	31	33	.....	.....	.....	.....	3	54	81	20
Painters, glaziers, and varnishers (building).....	892	566	220	106	.....	.....	2	0	33	340	408	97
Painters, glaziers, and varnishers (factory).....	280	152	75	52	1	.....	7	7	27	118	99	22
Plumbers and gas and steam fitters.....	531	291	161	70	.....	.....	.....	0	40	307	144	25
Sawyers.....	603	295	108	90	1	.....	.....	18	34	220	190	32
Semiskilled operatives (not otherwise specified):												
Butter, cheese, and condensed milk factories.....	256	171	38	46	1	.....	4	10	28	150	59	5
Cotton mills.....	309	108	121	130	1	.....	49	30	67	135	73	6
Iron and steel industries.....	1,256	744	283	228	1	.....	40	67	188	617	297	47
Knitting mills.....	271	204	50	11	.....	.....	21	27	54	113	50	6
Lumber and furniture industries—												
Furniture factories.....	206	180	60	47	.....	.....	18	14	24	115	60	20
Saw and planing mills <sup>2</sup> .....	379	254	82	43	.....	.....	31	17	47	164	95	25
Other lumber and furniture industries.....	552	314	104	131	2	1	38	35	68	203	167	41
Marble and stone yards.....	887	295	248	373	1	.....	48	45	82	417	277	18
Paper and pulp mills.....	465	196	130	130	.....	.....	15	19	40	246	127	12
Woolen and worsted mills.....	1,742	772	454	518	8	.....	109	133	317	803	320	60
Other industries.....	1,221	706	266	182	7	.....	89	82	160	495	317	60
Shoemakers and cobblers (not in factory).....	210	66	40	104	.....	.....	.....	4	8	88	67	48
Stonecutters.....	2,320	207	260	1,793	.....	.....	.....	40	204	1,422	608	37
Thinsmiths and sheet metal workers.....	163	88	40	28	1	.....	.....	5	24	70	42	13
All other occupations.....	1,455	812	326	312	5	.....	2	32	118	653	530	111
<b>Transportation.....</b>	<b>8,650</b>	<b>5,271</b>	<b>2,090</b>	<b>1,268</b>	<b>21</b>	<b>.....</b>	<b>164</b>	<b>290</b>	<b>1,040</b>	<b>4,305</b>	<b>2,425</b>	<b>417</b>
Brakemen.....	508	260	170	72	.....	.....	.....	12	103	342	46	5
Chauffeurs.....	580	300	145	48	.....	.....	12	33	135	323	83	3
Conductors (steam railroad).....	303	144	114	45	.....	.....	.....	1	0	170	112	14
Draymen, teamsters, and expressmen <sup>3</sup> .....	1,822	1,221	395	109	7	.....	42	84	195	850	541	110

<sup>1</sup> Includes 150 males of unknown age.<sup>2</sup> Includes box factories (wool).<sup>3</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.

TABLE 24.—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 (in- cludes age un- known).	45 to 64 years.	65 years and over.	
		Native parent- age.	Foreign or mixed parent- age.										
MALES--Continued.													
Transportation--Continued.													
Foremen and overseers (steam railroad).....	264	125	56	83					5	118	135	11	
Garage keepers and managers.....	160	117	30	10					13	113	30		
Inspectors (steam railroad).....	144	68	42	34				4	14	71	51	4	
Laborers (road and street building and repairing).....	217	130	53	28				5	10	54	97	51	
Laborers (steam railroad).....	1,275	589	313	367	0		34	08	175	577	374	47	
Locomotive engineers.....	372	212	112	48					2	202	161	17	
Locomotive firemen.....	321	194	83	44				7	08	239	7		
Mail carriers.....	520	409	89	21	1		4	5	35	257	170	43	
Telegraph operators.....	218	122	67	29			12	15	54	103	32	2	
Ticket and station agents.....	152	104	25	23				3	10	82	47	4	
All other occupations.....	1,770	1,174	396	208	1		60	62	209	809	534	105	
Trade.....	9,358	6,094	1,907	1,350	7		352	253	874	4,063	3,100	650	
Bankers and bank officials.....	198	176	15	7					5	80	82	31	
Clerks in stores <sup>1</sup> .....	977	444	166	97			70	63	154	258	104	19	
Commercial travelers.....	605	427	122	50					41	304	232	25	
Deliverymen.....	485	304	120	59	2		34	40	84	200	106	15	
Insurance agents.....	359	266	57	36					11	174	138	30	
Laborers (coal yards, elevators, stockyards, and ware- houses).....	206	110	48	48			10	7	33	102	47	7	
Laborers (lumberyards).....	220	114	74	31	1		14	15	34	83	64	10	
Laborers, porters, and helpers in stores.....	194	118	46	28	2		25	8	25	77	45	14	
Real estate agents and officials.....	148	109	22	17					1	48	71	28	
Retail dealers <sup>2</sup> .....	3,800	2,370	972	757	1		6	11	130	1,046	1,061	346	
Salesmen (stores).....	1,780	1,199	412	175			121	98	318	817	372	60	
All other occupations.....	680	467	153	69	1		63	8	38	268	238	65	
Public service (not elsewhere classified).....	1,685	1,063	409	208	4	1	14	43	301	626	514	187	
Guards, watchmen, and doorkeepers.....	250	133	62	59	1	1		2	7	54	130	63	
Officials and inspectors (city and county).....	187	145	20	13					3	45	98	41	
Postmasters.....	151	109	36	6					3	59	60	20	
Soldiers, sailors, and marines <sup>3</sup> .....	600	378	152	67	3		11	38	260	283	0	2	
United States officials (except postmasters).....	156	114	26	16					11	88	41	10	
All other occupations.....	335	184	104	47			3	3	17	97	170	45	
Professional service.....	3,131	2,225	513	387	3	3	15	37	243	1,459	1,100	277	
Clergymen.....	535	270	92	104					14	225	242	54	
College presidents and professors <sup>4</sup> .....	122	106	13	3					9	74	35	4	
Dentists.....	156	123	16	14					10	85	40	21	
Draftsmen.....	156	96	36	23		1		12	43	82	17	2	
Lawyers, judges, and justices.....	335	280	47	7	1				3	120	141	65	
Physicians and surgeons.....	540	407	98	44					9	215	208	57	
Teachers (school).....	295	244	31	20			1	6	42	184	55	7	
Technical engineers.....	208	164	30	13	1				22	131	40	9	
All other occupations.....	775	523	150	99	1	2	14	10	91	337	250	58	
Domestic and personal service.....	2,624	1,380	658	548	30	8	132	88	211	967	937	289	
Barbers, hairdressers, and manicurists.....	498	211	152	133	2		5	5	34	250	183	21	
Hotel keepers and managers.....	163	108	36	19					2	47	80	38	
Janitors and sextons.....	520	304	133	87	5		16	3	10	100	273	121	
Servants.....	601	315	139	133	13	1	75	47	70	215	145	43	
All other occupations.....	833	442	198	170	10	7	36	33	89	349	250	76	
Clerical occupations.....	2,920	1,896	756	276	2		145	185	575	1,366	558	101	
Accountants and auditors.....	155	105	34	10				4	24	86	37	4	
Agents.....	107	119	29	19			2	2	12	80	50	12	
Bookkeepers and cashiers.....	550	370	136	44			8	33	130	250	102	21	
Clerks (except clerks in stores).....	1,875	1,183	504	187	1		71	126	384	905	337	52	
All other occupations.....	183	119	53	10	1		64	20	25	30	23	12	
FEMALES.....	20,899	10,892	6,891	3,044	69	3	1,850	2,330	5,341	10,071	6,081	1,267	
Agriculture, forestry, and animal husbandry..	1,208	861	195	150	2		51	14	34	273	540	287	
Dairy farm and farm laborers.....	230	158	42	29	1		50	14	30	74	52	10	
Dairy farmers.....	130	100	15	15						35	63	32	
Farmers, general farms.....	761	538	122	100	1				3	139	386	233	
All other occupations.....	87	65	16	6			1		1	25	48	12	
Extraction of minerals (all occupations).....	1		1									1	
Manufacturing and mechanical industries.....	6,415	3,484	2,034	889	7	1	748	665	1,138	2,391	1,815	158	
Dressmakers and seamstresses (not in factory).....	1,004	614	273	115	2			3	30	383	486	96	
Laborers (not otherwise specified).....	548	290	183	75			93	84	117	107	70	11	
Milliners and millinery dealers.....	254	145	72	37				7	30	128	82	7	

<sup>1</sup> Many of the "Clerks in stores" probably are "Salesmen."<sup>2</sup> Includes, also, managers and superintendents of retail stores.<sup>3</sup> Includes only those resident in continental United States at the date of the enumeration.<sup>4</sup> Probably includes some teachers in schools below collegiate rank.<sup>5</sup> Includes 42 females of unknown age.

## POPULATION—VERMONT.

TABLE 24.—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 (in- cludes age un- known).	45 to 64 years.	65 years and over.
		Native parent- age.	Foreign or mixed parent- age.									
FEMALES—Continued.												
Manufacturing and mechanical industries—Con.												
Semiskilled operatives (not otherwise specified):												
Candy factories.....	126	64	46	16			39	27	23	30	7	
Clothing industries—												
Shirt, collar, and cuff factories.....	436	229	155	52			73	52	82	160	60	3
Suit, coat, cloak, and overalls factories.....	210	90	83	36	1		26	19	34	85	44	2
Other clothing industries.....	552	257	202	92	1		86	58	98	198	103	9
Iron and steel industries.....	128	75	40	11			7	17	32	59	11	
Lumber and furniture industries.....	172	110	44	17		1	27	26	35	72	12	
Textile industries—												
Cotton mills.....	441	176	130	135			76	59	106	152	48	
Knitting mills.....	607	414	151	42			73	60	147	225	98	4
Woolen and worsted mills.....	973	420	374	177	2		121	132	222	360	127	5
Other textile industries.....	155	97	47	11			20	16	26	58	28	7
Other industries.....	531	334	152	45			88	82	100	176	78	7
All other occupations.....	280	169	82	28	1		19	23	50	126	55	7
Transportation.....	628	435	162	30	1		47	90	213	218	53	7
Telephone operators.....	548	382	142	23	1		45	82	109	178	38	6
All other occupations.....	80	53	20	7			2	8	14	40	15	1
Trade.....	1,609	947	485	176	1		130	178	283	676	316	26
Clerks in stores <sup>1</sup> .....	404	223	139	42			44	61	87	164	47	1
Retail dealers <sup>2</sup> .....	209	130	43	36			1	1	15	76	99	17
Saleswomen (stores).....	895	536	268	90	1		82	112	109	400	127	5
All other occupations.....	101	58	35	8			3	4	12	36	43	3
Public service (not elsewhere classified).....	166	133	28	5				1	12	74	69	10
Postmistresses.....	112	92	18	2				1	12	46	50	3
All other occupations.....	54	41	10	3						28	19	7
Professional service.....	4,490	3,225	926	338	1		56	329	1,399	2,058	598	50
Librarians.....	91	77	10	4					8	34	44	5
Musicians and teachers of music.....	285	210	62	13			2	13	45	141	75	9
Teachers (school).....	3,040	2,256	593	191			30	258	1,054	1,360	314	18
Trained nurses.....	676	400	177	98	1		9	47	230	328	53	3
All other occupations.....	398	282	84	32			15	11	56	180	112	15
Domestic and personal service.....	9,006	5,590	2,081	1,276	57	2	731	615	1,097	2,947	2,905	711
Boarding and lodging house keepers.....	502	308	105	88	1			1	3	135	295	68
Housekeepers and stewardesses.....	1,839	1,251	359	220	8	1		54	136	616	772	261
Laundresses (not in laundry).....	684	410	162	103	9		4	3	12	265	331	69
Laundry operatives.....	204	102	74	27	1		25	21	27	74	50	7
Nurses (not trained).....	762	475	177	110				14	67	312	310	59
Servants.....	4,259	2,577	1,006	699	36	1	616	430	695	1,275	1,008	235
Waitresses.....	529	328	145	55	1		83	89	144	186	26	1
All other occupations.....	227	139	53	34	1		3	3	13	84	113	11
Clerical occupations.....	3,376	2,217	979	180			96	438	1,165	1,434	226	17
Bookkeepers and cashiers.....	1,150	744	345	61			29	121	322	576	97	5
Clerks (except clerks in stores).....	799	516	240	43			21	97	271	335	70	5
Stenographers and typists.....	1,337	891	377	69			43	217	560	479	36	2
All other occupations.....	90	66	17	7			3	3	12	44	23	5

<sup>1</sup> Many of the "Clerks in stores" probably are "Saleswomen."<sup>2</sup> Includes, also, managers and superintendents of retail stores.

TABLE 25.—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. <sup>1</sup>	
<b>All classes.....</b>	<b>26,803</b>	<b>6,011</b>	<b>143</b>	<b>625</b>	<b>1,517</b>	<b>1,664</b>	<b>2,062</b>	<b>20,792</b>
Native white—Native parentage.....	16,820	3,870	103	404	1,015	1,044	1,304	12,950
Native white—Foreign or mixed parentage.....	6,871	1,292	26	146	325	349	440	5,579
Foreign-born white.....	3,040	822	14	73	169	263	303	2,218
Negro.....	69	25	.....	2	8	7	8	44
Indian.....	3	2	.....	.....	.....	1	1	1
Chinese, Japanese, and all other.....	.....	.....	.....	.....	.....	.....	.....	.....

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

# AGRICULTURE—VERMONT.

## 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.....	352, 428	355, 956	-3, 528	-1. 0
Rural <sup>2</sup> .....	242, 452	257, 039	-14, 587	-5. 7
Urban.....	109, 976	98, 917	11, 059	11. 2
Per cent rural.....	68. 8	72. 2		
Number of farms.....	29, 075	32, 709	-3, 634	-11. 1
Approximate land area of the state.....acres..	5, 839, 360	5, 839, 360		
All land in farms.....acres..	4, 235, 811	4, 663, 577	-427, 766	-9. 2
Improved land in farms <sup>3</sup> .....acres..	1, 691, 595	1, 633, 965	57, 630	3. 5
Woodland in farms.....acres..	1, 428, 309	1, 566, 698	-138, 389	-8. 8
Other unimproved land in farms.....acres..	1, 115, 907	1, 462, 914	-347, 007	-23. 7
Per cent of land area in farms.....	72. 5	79. 9		
Per cent of farm land improved <sup>3</sup> .....	39. 9	35. 0		
Average acreage per farm.....	145. 7	142. 8	3. 1	2. 2
Average improved acreage per farm.....	58. 2	50. 0	8. 2	16. 4
Value of all farm property.....	\$222, 736, 620	\$145, 399, 728	\$77, 336, 892	53. 2
Land and buildings.....	159, 117, 159	112, 588, 275	46, 528, 884	41. 3
Land alone.....	82, 938, 253	58, 385, 327	24, 552, 926	42. 1
Buildings.....	76, 178, 906	54, 202, 948	21, 975, 958	40. 5
Implements and machinery.....	21, 234, 130	10, 168, 087	11, 065, 443	108. 8
Live stock.....	42, 855, 931	22, 642, 766	19, 742, 565	87. 2
Average value per farm:				
All farm property.....	7, 661	4, 445	3, 216	72. 4
Land and buildings.....	5, 473	3, 442	2, 031	59. 0
Land alone.....	2, 853	1, 785	1, 068	59. 8
Buildings.....	2, 620	1, 657	963	58. 1
Implements and machinery.....	730	311	419	134. 7
Live stock.....	1, 458	692	766	110. 7
Average value per acre of land in farms:				
All farm property.....	52. 58	31. 18	21. 40	68. 6
Land and buildings.....	37. 56	24. 14	13. 42	55. 6
Land alone.....	19. 58	12. 52	7. 06	56. 4
Buildings.....	17. 98	11. 62	6. 36	54. 7
Implements and machinery.....	5. 01	2. 18	2. 83	129. 8
Live stock.....	10. 01	4. 86	5. 15	106. 0

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

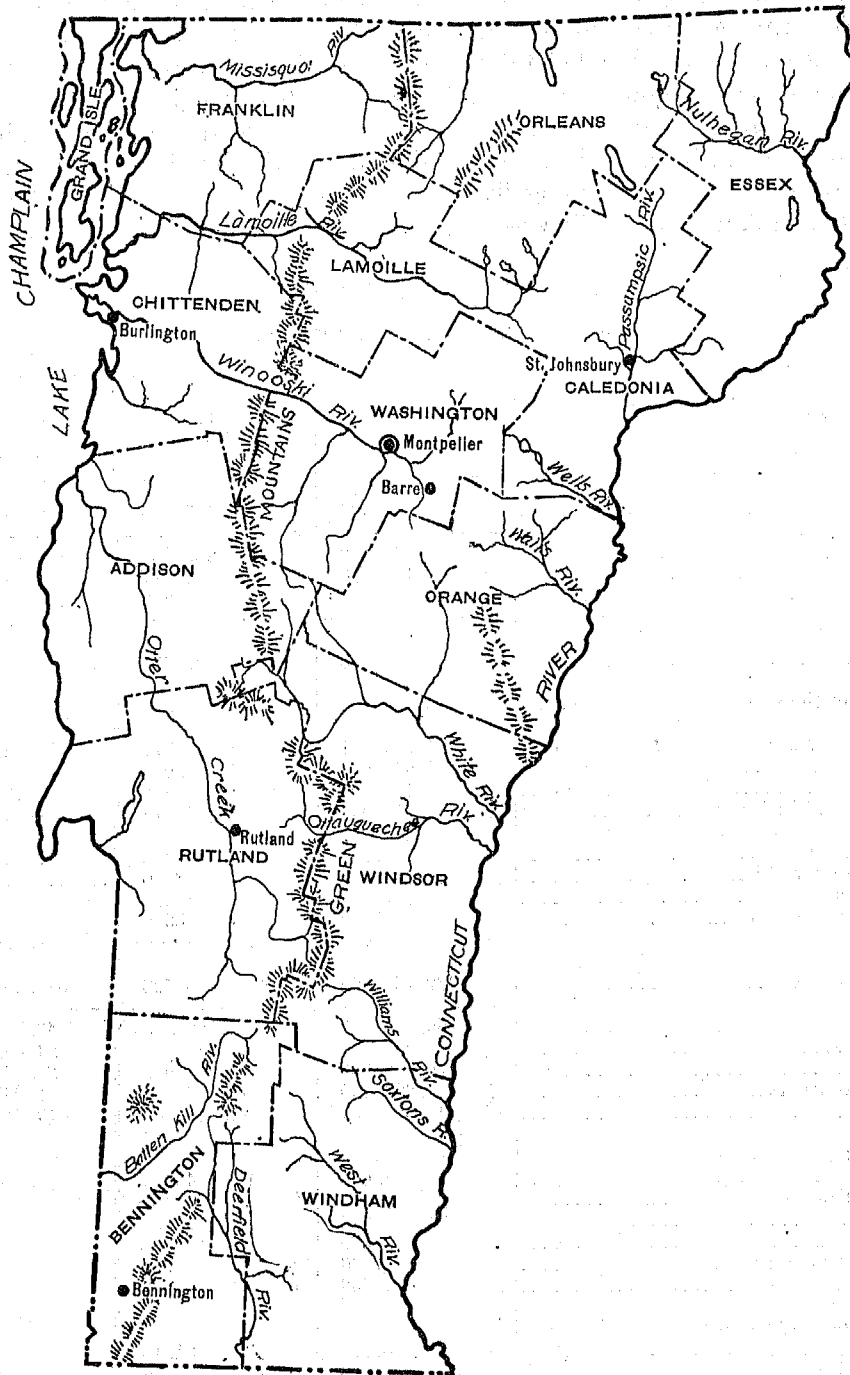
<sup>2</sup> Population residing outside of incorporated places having 2,500 inhabitants or over. The rate of increase (or decrease) in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 256, 278. For this territory, the population shows a decrease between 1910 and 1920 amounting to 5.5 per cent, which percentage indicates the rate of decline in the rural population, leaving out of consideration the changes in classification of territory.

<sup>3</sup> The increase in the acreage of improved land reported and in the percentage of farm land improved may be due in part to a slight change in the definition of improved land. This definition in 1920 included "land in pasture which has been cleared or tilled" (of which there are considerable areas in Vermont), while in 1910 the only pasture land included with improved land was that "pastured and cropped in rotation."



# VERMONT

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- proved.
	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.....	29,075	-11.1	4,235,811	-9.2	1,691,595	3.5	72.5	39.9
1910.....	32,709	-1.2	4,663,577	-1.3	1,633,905	-23.2	79.9	35.0
1900.....	33,104	1.6	4,724,440	7.5	2,126,624	-19.9	80.9	45.0
1890.....	32,573	-8.3	4,395,648	-10.0	2,655,943	-19.2	75.3	60.4
1880.....	35,522	5.0	4,882,588	7.8	3,286,461	6.9	83.6	67.3
1870.....	33,827	7.2	4,528,804	6.0	3,073,257	8.9	77.6	67.9
1860.....	31,556	6.0	4,274,414	8.6	2,823,157	8.5	73.2	66.0
1850.....	29,763	.....	4,125,822	.....	2,601,409	.....	70.7	63.1

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

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. <sup>1</sup>
1920.....	\$222,736,620	53.2	\$159,117,159	41.3	\$21,234,130	108.8	\$42,355,331	87.2
1910.....	145,399,728	34.1	112,588,275	35.5	10,163,687	34.9	22,642,766	26.9
1900.....	108,451,427	6.5	83,071,620	3.3	7,538,490	59.3	17,841,317	7.2
1890.....	101,805,370	-22.2	80,427,490	-26.4	4,733,560	-3.0	16,644,320	0.4
1880.....	130,811,490	-3.0	109,346,010	-1.9	4,879,285	16.2	16,586,195	-13.2
1870.....	134,804,951	18.0	111,493,660	18.2	4,200,223	14.6	19,111,068	17.7
1860.....	114,199,989	45.0	94,289,045	48.8	3,665,955	33.8	16,241,989	28.5
1850.....	78,749,737	.....	63,367,227	.....	2,739,282	.....	12,643,228	.....

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

<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.....	145.7	58.2	\$7,661	\$5,473	\$730	\$1,458
1910.....	142.6	50.0	4,445	3,442	811	692
1900.....	142.7	64.2	3,276	2,600	228	539
1890.....	134.9	81.5	3,125	2,469	145	511
1880.....	137.5	92.5	3,683	3,078	137	467
1870.....	133.9	90.9	3,995	3,296	124	505
1860.....	135.5	89.5	3,619	2,988	116	515
1850.....	138.6	87.4	2,646	2,129	92	425

<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.....	\$52.53	\$37.56	\$19.58	\$17.98	\$5.01	\$10.01
1910.....	31.18	24.14	12.52	11.62	2.13	4.89
1900.....	22.95	17.58	9.70	7.89	1.60	3.78
1890.....	23.16	15.30	.....	.....	1.08	3.79
1880.....	26.79	22.40	.....	.....	1.00	3.40
1870.....	29.77	24.62	.....	.....	0.93	4.22
1860.....	26.72	22.06	.....	.....	0.88	3.80
1850.....	19.09	15.36	.....	.....	0.66	3.06

<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.....	29,075	32,709	-3,634	-11.1	100.0	100.0
Under 20 acres.....	3,350	4,578	-1,228	-26.8	11.5	14.0
Under 3 acres.....	75	60	15	0.3	0.2	0.2
3 to 9 acres.....	1,731	2,581	-850	-32.9	6.0	7.9
10 to 19 acres.....	1,544	1,937	-393	-20.3	5.3	5.9
20 to 49 acres.....	2,024	3,481	-557	-16.0	10.1	10.6
50 to 99 acres.....	5,199	5,910	-711	-12.0	17.9	18.1
100 to 174 acres.....	8,777	9,492	-715	-7.5	30.2	29.0
175 to 499 acres.....	8,196	8,516	-320	-3.8	28.2	26.0
175 to 259 acres.....	5,081	5,194	-113	-2.2	17.5	15.9
260 to 499 acres.....	3,115	3,322	-207	-6.2	10.7	10.2
500 to 999 acres.....	544	607	-63	-10.4	1.9	1.9
1,000 acres and over.....	85	125	-40	-32.0	0.3	0.4

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

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.....	29,075	32,709	33,104	32,573	35,522
Under 10 acres.....	1,806	2,641	1,602	1,321	1,493
10 to 19 acres.....	1,544	1,937	1,683	1,591	1,767
20 to 49 acres.....	2,024	3,481	3,511	3,505	3,973
50 to 99 acres.....	5,199	5,910	6,513	7,002	7,822
100 to 499 acres.....	10,973	18,008	19,158	18,689	19,785
500 to 999 acres.....	544	607	536	396	585
1,000 acres and over.....	85	125	101	69	97
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	6.2	8.1	4.8	4.1	4.2
10 to 19 acres.....	5.3	5.9	5.1	4.9	5.0
20 to 49 acres.....	10.1	10.6	10.6	10.8	11.2
50 to 99 acres.....	17.9	18.1	19.7	21.5	22.0
100 to 499 acres.....	58.4	55.1	57.9	57.4	55.7
500 to 999 acres.....	1.9	1.9	1.6	1.2	1.6
1,000 acres and over.....	0.3	0.4	0.3	0.2	0.3

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

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	4,235,811	4,663,577	1,691,595	1,633,985	\$159,117,159	\$112,588,275
Under 20 acres.....	31,742	40,250	23,447	29,052	7,768,711	7,692,142
20 to 49 acres.....	96,673	112,129	51,048	58,032	8,249,831	7,038,230
50 to 99 acres.....	377,986	424,012	172,409	182,638	17,041,417	13,037,680
100 to 174 acres.....	1,150,485	1,238,117	490,186	490,120	43,420,013	29,253,559
175 to 499 acres.....	2,097,010	2,187,118	814,429	757,888	68,960,092	43,794,892
500 to 999 acres.....	327,288	371,849	107,338	95,940	8,724,370	6,114,956
1,000 acres and over.....	154,627	200,107	31,838	29,365	4,361,855	5,637,316

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.			
	1920	1910	Per farm.		Per acre.	
			1920	1910	1920	1910
Total.....	39.9	35.0	\$5,473	\$3,442	\$37.56	\$24.14
Under 20 acres.....	73.9	74.4	2,319	1,680	244.75	101.11
20 to 49 acres.....	53.7	51.8	2,821	2,022	85.34	62.77
50 to 99 acres.....	45.6	43.1	3,393	2,200	46.87	30.80
100 to 174 acres.....	42.6	38.8	4,047	3,082	37.74	28.03
175 to 499 acres.....	38.8	34.7	8,414	5,143	32.88	20.02
500 to 999 acres.....	32.8	25.8	10,037	10,074	28.66	16.44
1,000 acres and over.....	20.6	10.1	51,198	45,099	28.14	19.43

## 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	Number.	Per cent.	1920	1910
Total.....	29,075	32,709	-3,634	-11.1	100.0	100.0
Owners.....	25,121	28,065	-2,944	-10.5	86.4	85.8
Owning entire farm.....	23,926	26,793	-2,867	-10.7	82.3	81.9
Hiring additional land.....	1,195	1,272	-77	-6.1	4.1	3.9
Managers.....	568	636	-68	-10.7	2.0	1.9
Tenants.....	3,386	4,008	-622	-15.5	11.6	12.3
Share tenants.....	1,621	1,642	-21	-1.3	5.6	5.0
Share-cash tenants.....	26	50	-24	-----	0.1	0.2
Cash tenants.....	1,489	2,182	-693	-31.8	5.1	6.7
Unspecified.....	250	134	116	86.6	0.9	0.4

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

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

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	29,075	32,709	33,104	32,573	35,522
Farms operated by owners.....	25,121	28,065	27,689	27,816	30,760
Owning entire farm.....	23,926	26,793	26,206	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	1,195	1,272	1,373	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by managers.....	568	636	615	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by tenants.....	3,386	4,008	4,820	4,757	4,762
Share tenants.....	1,621	1,642	2,396	2,450	2,598
Share-cash tenants.....	26	50			
Cash tenants.....	1,489	2,182	2,424	2,301	2,104
Unspecified.....	250	134			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	86.4	85.8	83.6	85.4	86.6
Owning entire farm.....	82.3	81.9	79.4	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	4.1	3.9	4.1	( <sup>2</sup> )	( <sup>2</sup> )
Operated by managers.....	2.0	1.9	1.9	( <sup>2</sup> )	( <sup>2</sup> )
Operated by tenants.....	11.6	12.3	14.6	14.6	13.4
Share and share-cash.....	5.7	5.2	7.2	7.5	7.3
Cash and unspecified.....	6.0	7.1	7.3	7.1	6.1

<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.....	4,235,811	4,663,577	1,691,595	1,633,985	\$159,117,159	\$112,588,275
Owners.....	3,520,899	3,816,498	1,387,502	1,321,497	126,086,877	88,566,017
Managers.....	150,197	208,938	55,962	62,584	9,611,078	7,026,085
Tenants.....	564,715	638,141	248,131	250,884	22,818,304	16,096,173

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.....	86.4	85.8	83.1	81.8	82.0	80.9	79.6	78.7
Managers.....	2.0	1.9	3.5	4.5	3.3	3.2	6.0	7.0
Tenants.....	11.6	12.3	13.3	13.7	14.7	15.9	14.3	14.3

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 IM- PROVED.		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.....	145.7	142.8	58.2	50.0	39.9	35.0	\$5,473	\$3,442	\$37.56	\$24.14
Owners.....	140.2	136.0	55.2	47.1	39.4	34.0	5,043	3,163	35.98	23.21
Managers.....	204.4	328.5	98.5	82.7	37.3	25.2	10,922	12,462	64.00	37.94
Tenants.....	106.9	159.2	73.3	64.8	43.0	40.7	6,739	4,010	40.41	25.22

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.....	29,075	4,235,811	1,691,595	\$159,117,159	145.7	58.2	\$5,473
Male.....	27,884	4,110,580	1,043,165	154,208,800	147.6	58.9	5,533
Female.....	1,191	119,222	48,430	4,848,269	100.1	40.7	4,071
Owners.....	25,121	3,520,899	1,387,502	126,686,877	140.2	55.2	5,043
Male.....	23,072	3,405,466	1,340,510	121,987,088	142.1	55.9	5,089
Female.....	1,149	115,433	40,980	4,699,789	100.5	40.9	4,060
Managers.....	568	150,197	55,962	9,611,978	264.4	98.5	16,922
Male.....	562	149,600	55,651	9,580,828	266.4	99.0	17,048
Female.....	6	507	311	31,150	84.5	51.8	5,192
Tenants.....	3,386	564,715	248,131	22,818,304	166.8	73.3	6,739
Male.....	3,350	561,433	240,998	22,700,974	167.6	73.7	6,776
Female.....	36	3,282	1,133	117,330	91.2	31.5	3,259

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.....	29,075	32,709	4,235,811	1,691,595	\$159,117,159
White farmers.....	29,047	32,689	4,231,361	1,690,173	159,000,434
Native <sup>1</sup> .....	25,280	28,968	3,074,319	1,449,131	137,598,983
Foreign-born.....	3,767	3,721	557,042	241,042	21,431,451
Country of birth:					
Canada.....	2,063	2,463	410,702	190,042	16,747,731
England.....	182	210	21,609	8,472	733,475
Germany.....	98	102	10,501	4,987	476,550
Ireland.....	199	403	24,284	9,471	897,200
Scotland.....	96	118	11,380	4,468	495,950
Sweden.....	78	61	10,037	3,218	345,000
Other countries.....	461	304	61,809	21,089	1,735,485
Colored farmers.....	28	20	4,450	1,422	116,725
Negro.....	28	20	4,450	1,422	116,725

<sup>1</sup> Includes farmers with country of birth not reported, as follows: For 1920, 328; for 1910, 46.

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.....	29,075	32,709	25,280	28,968	3,767	3,721	28	20
Owners.....	26,121	28,005	21,719	24,789	3,381	3,259	3	17
Managers.....	568	636	596	876	60	59	3	1
Tenants.....	3,386	4,008	3,065	3,003	327	403	4	2

<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.	Percent.	1920	1910
Total.....	25,121	28,065	-2,944	-10.5	100.0	100.0
Free from mortgage.....	12,132	14,851	-2,719	-18.3	48.3	52.9
Mortgaged.....	12,225	13,140	-915	-7.0	48.7	46.8
Unknown.....	764	74	690	.....	3.0	0.3

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100. 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.....	25,121	28,065	27,252	26,835	100.0	100.0	100.0	100.0
Free from mortgage.....	12,132	14,851	14,151	14,935	48.3	52.9	51.9	55.7
Mortgaged.....	12,225	13,140	12,493	11,900	48.7	46.8	45.8	44.3
Unknown.....	764	74	608	.....	3.0	0.3	2.2	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. <sup>1</sup>		INCREASE. <sup>2</sup>	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	11,504	12,138	-634	-5.2
Value of land and buildings.....	\$61,070,552	\$36,858,501	\$24,212,051	65.7
Amount of mortgage debt.....	\$23,575,778	\$12,436,091	\$11,139,687	89.6
Ratio of debt to value, per cent.....	38.6	33.7	.....	.....
Average rate of interest paid, per cent.....	5.4	.....	.....	.....
Average value per farm.....	\$5,309	\$3,037	\$2,272	74.8
Average debt per farm.....	\$2,049	\$1,025	\$1,024	99.9
Average equity per farm.....	\$3,259	\$2,012	\$1,247	62.0

<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.

<sup>2</sup> A minus sign (—) denotes decrease.

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. <sup>1</sup>		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Percent.	1919	1909
Labor.....	18,171	21,810	-3,639	-16.7	62.5	66.7
Fertilizer.....	14,568	19,033	-4,465	-23.5	50.1	58.2
Feed.....	25,389	26,332	-943	-3.6	87.3	80.5

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

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

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$7,712,305	\$4,748,003	\$2,964,302	62.4
Amount in cash.....	5,788,588	3,579,799	2,208,789	61.7
Value of rent and board furnished.....	1,923,717	1,168,204	755,513	64.7
Fertilizer.....	857,273	570,752	286,521	50.2
Feed.....	11,070,666	4,758,703	6,311,963	132.6

## 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 this section 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 Vermont, however, notwithstanding this change of classification, the number of dairy cows, including heifers 1 year old and over, reported for January 1, 1920, namely, 345,643, shows an increase of 80,160, or 30.2 per cent, as compared with 265,483 cows reported as "kept for milk" on April 15, 1910, thus indicating a decided trend toward the dairy industry.

On the other hand, the 4,242 beef cows reported in 1920 represent a decrease of 23,370, or 84.6 per cent, as compared with 27,612 cows reported in 1910 as "not kept for milk."

**Farms reporting domestic animals: 1910.**—Horses were reported by 28,147 farms in Vermont in 1910, mules by 206 farms, cattle by 28,271, sheep by 5,033, and swine by 17,995. 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 Vermont decreased from 32,709 in 1910 to 29,075 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Average value.
<b>Total</b> .....	<b>27,289</b>	<b>93.8</b>		<b>\$41,151,827</b>	
<b>Horses, total</b> .....	<b>25,789</b>	<b>88.7</b>	<b>77,231</b>	<b>10,421,141</b>	<b>\$134.93</b>
Colts under 1 year of age.....	1,770	6.1	2,250	150,158	80.40
Colts 1 year old and under 2 years.....	1,850	6.4	2,272	190,946	86.68
Mares 2 years old and over.....	17,502	60.2	31,740	4,353,006	137.15
Geldings 2 years old and over.....	20,297	69.8	40,335	5,554,831	137.72
Stallions 2 years old and over.....	520	1.8	634	100,140	252.59
<b>Mules, total</b> .....	<b>305</b>	<b>1.0</b>	<b>601</b>	<b>91,916</b>	<b>152.94</b>
Mule colts under 1 year of age.....	16	0.1	23	1,944	84.52
Mule colts 1 year old and under 2 years.....	27	0.1	34	4,325	127.21
Mules 2 years old and over.....	280	1.0	544	85,647	157.44
<b>Asses and burros</b> .....	<b>19</b>	<b>0.1</b>	<b>27</b>	<b>2,460</b>	<b>91.11</b>
<b>Cattle, total</b> .....	<b>26,050</b>	<b>89.6</b>	<b>435,480</b>	<b>25,502,803</b>	<b>65.45</b>
<b>Beef cattle, total</b> .....	<b>3,178</b>	<b>10.9</b>	<b>14,200</b>	<b>906,462</b>	<b>63.84</b>
Calves under 1 year of age.....	790	2.7	2,501	61,280	24.51
Heifers 1 year old and under 2 years.....	337	1.2	1,023	43,271	42.30
Cows and heifers 2 years old and over.....	610	2.1	3,210	235,130	73.04
Steers 1 year old and under 2 years.....	900	3.1	2,508	123,590	48.13
Steers 2 years old and over.....	1,464	5.0	4,347	403,561	92.84
Bulls 1 year old and over.....	423	1.5	542	30,612	73.08
<b>Dairy cattle, total</b> .....	<b>25,738</b>	<b>88.5</b>	<b>421,280</b>	<b>27,596,341</b>	<b>65.51</b>
Calves under 1 year of age.....	17,052	58.6	64,147	1,426,477	22.24
Heifers 1 year old and under 2 years.....	15,329	52.7	55,521	2,211,034	30.82
Cows and heifers 2 years old and over.....	25,336	87.1	290,122	23,027,209	79.37
Bulls 1 year old and over.....	9,882	34.0	11,490	931,621	81.08
<b>Sheep, total</b> .....	<b>3,051</b>	<b>10.5</b>	<b>62,756</b>	<b>723,683</b>	<b>11.53</b>
Lambs under 1 year of age.....	1,859	6.4	12,040	123,846	9.57
Ewes 1 year old and over.....	2,754	9.5	47,088	550,987	11.83
Rams 1 year old and over.....	1,341	4.0	1,895	35,703	18.84
Wethers 1 year old and over.....	116	0.4	833	7,147	8.58
<b>Goats, total</b> .....	<b>46</b>	<b>0.2</b>	<b>124</b>	<b>2,414</b>	<b>19.47</b>
Kids under 1 year of age, raised for fleeces.....	12	( <sup>1</sup> )	26	397	15.27
Goats 1 year old and over, raised for fleeces.....	18	0.1	61	1,403	24.48
All other goats.....	23	0.1	87	524	14.16
<b>Swine, total</b> .....	<b>17,556</b>	<b>60.4</b>	<b>72,781</b>	<b>1,407,410</b>	<b>19.34</b>
Pigs under 6 months old.....	12,298	42.3	46,396	550,351	11.99
Sows and gilts for breeding, 6 months old and over.....	5,965	20.5	10,779	380,928	35.34
Boars for breeding, 6 months old and over.....	981	3.4	1,087	37,920	34.89
All other hogs, 6 months old and over.....	5,650	19.4	14,509	432,211	29.79

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



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

ITEM.	FARMS REPORT- ING, 1920.		NUMBER REPORTED. <sup>1</sup>		Value, 1920	Aver- age value, 1920
	Num- ber.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	24,794	85.0	815,085	938,524	\$1,187,717	\$1.43
Chickens.....	24,451	84.1	708,797	911,730	1,120,247	1.40
Turkeys.....	1,032	3.5	6,514	11,693	30,757	5.58
Ducks.....	1,098	3.7	4,511	4,581	7,142	1.58
Geese.....	498	1.7	1,813	2,505	6,710	3.70
Guinea fowls.....	550	1.9	2,062	3,742	2,182	1.00
Pigeons.....	121	0.4	1,388	4,232	679	0.49
Bees of bees.....	1,038	3.6	10,024	10,215	65,787	6.56

<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 and pheasants.

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.
<b>Horses:</b>				
Total, excluding spring colts reported for 1910.....	77,231	80,556	-3,325	-4.1
Colts under 1 year old on Jan. 1 of census year.....	2,250	3,513	-1,263	-36.0
Horses 1 year old and over on Jan. 1 of census year.....	74,981	77,043	-2,062	-2.7
<b>Mules:</b>				
Total, excluding spring colts reported for 1910.....	601	428	173	40.4
Mule colts under 1 year old on Jan. 1 of census year.....	23	23	0	0.0
Mules 1 year old and over on Jan. 1 of census year.....	578	405	173	42.7
<b>Cattle:</b>				
Total, excluding spring calves reported for 1910.....	435,480	362,741	72,739	20.1
Calves under 1 year old on Jan. 1 of census year.....	66,648	56,422	10,226	18.1
Cows and heifers 1 year old and over on Jan. 1 of census year.....	368,835	298,095	66,790	19.4
Steers and bulls 1 year old and over on Jan. 1 of census year.....	18,947	13,224	5,723	43.3
<b>Sheep:</b>				
Total, excluding spring lambs reported for 1910.....	62,756	84,860	-21,604	-25.6

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

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

CLASS.	ENCLOSURES REPORTING.		ANIMALS.			
	1920 (Jan. 1)	1910 (Apr. 15)	Number.		Increase. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1910 (Apr. 15)	Num- ber.	Per cent.
Total.....	10,171	12,095	.....	.....	.....	.....
<b>Horses:</b>						
Horses 1 year old and over on Jan. 1 of census year.....	7,067	9,807	12,733	18,806	-6,073	-32.3
			12,636	18,609	-5,973	-32.1
<b>Mules:</b>						
Mules 1 year old and over on Jan. 1 of census year.....	65	48	268	192	76	39.6
			266	192	74	38.5
<b>Asses and burros.....</b>						
			.....	2	.....	.....
<b>Cattle:</b>						
Cattle 1 year old and over on Jan. 1 of census year.....	4,696	4,088	7,940	5,876	2,064	35.1
			7,209	5,141	2,068	40.2
<b>Sheep.....</b>						
	66	40	305	201	104	51.7
<b>Goats.....</b>						
	30	13	52	20	32	61.5
<b>Swine.....</b>						
	2,810	1,660	6,374	3,522	2,852	81.0

<sup>1</sup>A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

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

CLASS.	Total.	On farms.	Not on farms.
Horses.....	89,964	77,231	12,733
Horses 2 years old and over.....	85,194	72,709	12,485
Mules.....	869	601	268
Mules 2 years old and over.....	801	544	257
Asses and burros.....	27	27	.....
Cattle.....	443,420	435,480	7,940
Beef cattle.....	14,859	14,200	659
Dairy cattle.....	428,561	421,280	7,281
Dairy cows.....	296,001	290,122	5,879
Sheep.....	63,151	62,756	395
Goats.....	170	124	46
Swine.....	79,135	72,761	6,374

### 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.....	25,336	87.1	290,122	Head.....	
On farms reporting milk produced.....	21,916	75.4	256,364	Head.....	
On farms not reporting milk produced.....	3,420	11.8	33,768	Head.....	
Average production of milk per dairy cow, 1919 <sup>1</sup> .....			414	Gals.....	
Specified dairy products:					
Milk, as reported.....1919.....			108,119,922	Gals.....	
.....1909.....			114,317,169	Gals.....	
Increase, 1909-1919 <sup>2</sup> .....			-6,197,247	Gals.....	
Per cent of increase <sup>2</sup> .....			-5.4		
Total production of milk, including estimates.....1919.....			122,095,734	Gals.....	
Butter made.....1919.....	8,780	30.2	3,877,039	Lbs.....	\$2,801,863
.....1909.....	15,102	46.2	15,165,692	Lbs.....	\$4,185,028
Cheese made.....1919.....	89	0.2	75,502	Lbs.....	\$27,182
.....1909.....	88	0.3	245,884	Lbs.....	\$32,583
Milk sold.....1919.....	10,570	36.4	55,319,390	Gals.....	\$15,581,083
.....1909.....	7,540	23.1	33,998,934	Gals.....	\$4,108,228
Cream sold.....1919.....	1,737	6.0	928,843	Gals.....	\$1,264,839
.....1909.....	2,988	9.1	2,353,086	Gals.....	\$1,537,698
Butter fat sold.....1919.....	9,145	31.5	13,072,731	Lbs.....	\$8,082,796
.....1909.....	4,780	14.6	7,756,395	Lbs.....	\$2,264,928
Butter sold.....1919.....	4,629	15.9	2,954,634	Lbs.....	\$1,755,992
.....1909.....	10,814	33.1	12,892,124	Lbs.....	\$3,559,314
Value of milk, cream, and butter fat sold, and of butter and cheese made <sup>3</sup> .....1919.....					\$27,207,813
.....1909.....					\$12,128,465
Increase, 1909-1919.....					\$15,079,348
Per cent of increase.....					124.3
Receipts from sale of dairy products <sup>4</sup> .....1919.....					\$26,634,700
.....1909.....					\$11,501,577
Increase, 1909-1919.....					\$15,133,123
Per cent of increase.....					131.6

<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> A minus sign (-) denotes decrease.

<sup>3</sup> This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

<sup>4</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 \$31,409.

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.....	3,051	92,756			
On farms reporting wool.....	2,357	57,477			
On farms not reporting wool.....	694	5,279			
Sheep of shearing age <sup>1</sup> on farms Apr. 15, 1910.....	4,844	84,300			
Wool produced, as reported, total.....1919.....	2,466		54,376	395,356	\$235,648
On farms reporting sheep.....	2,357		52,401	382,708	\$228,377
On farms not reporting sheep.....	109		1,915	12,648	\$7,271
Total production of wool, including estimates.....1919.....				417,955	\$250,778
.....1909.....				635,722	\$102,032
Increase, 1909-1919 <sup>2</sup> .....				-207,767	\$58,771
Per cent of increase <sup>2</sup> .....				-33.2	80.6
Goats raised for fleeces, on farms Jan. 1, 1920.....	23	87			
Mohair produced, as reported, total.....1919.....	9		76	353	\$204
.....1909.....	14			471	\$136

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

<sup>2</sup> A minus sign (-) denotes decrease.

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.....	24,451	84.1	Number. 709,707	
On farms reporting eggs produced.....	21,050	72.4	713,974	
On farms reporting chickens raised.....	16,416	56.5	601,563	
Fowls on farms Apr. 15, 1910.....	27,528	84.2	938,524	
Eggs produced, as reported.....1919.....	21,278	73.2	Dozens. 4,650,695	\$2,430,720
Total production of eggs, including estimates.....1919.....			5,160,680	2,738,345
.....1909.....			7,037,082	1,715,221
Eggs sold, as reported.....1919.....	17,372	59.7	3,094,170	1,661,605
.....1909.....	21,432	65.5	4,451,120	1,002,578
Chickens raised, as reported.....1919.....	16,588	57.1	Number. 770,583	986,179
Total chickens raised, including estimates.....1919.....			1,015,742	1,300,150
.....1909.....			1,282,524	769,362
Chickens sold, as reported.....1919.....	10,318	35.5	330,730	429,024
.....1909.....	14,933	45.7	579,614	387,410

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.....	1,038	10,024		
On farms reporting honey.....	692	8,727		
On farms not reporting honey.....	346	1,297		
Bees on farms Apr. 15, 1910.....	1,124	10,215		
Honey produced.....1919.....	705		234,326	\$74,985
.....1909.....	747		160,283	25,351
Wax produced.....1919.....			2,137	1,070
.....1909.....			2,899	815

CROPS.

**Summary: 1919 and 1909.**—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, including the number of farms reporting each crop, and 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.

The combined acreage of crops in Vermont in 1919 for which the acreage was reported was 1,143,304 acres, which represents 67.6 per cent of the total improved land in farms (1,691,595 acres). The crop acreage reported for 1909 was 1,203,735, or 73.7 per cent of the improved land in farms (1,633,965 acres).

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.
All crops.					1,143,304	1,203,735	-5.0					\$47,999,600	\$33,697,700	102.5
With acreage reports.												40,524,040	21,787,708	86.0
With no acreage reports.												7,474,960	1,909,992	291.4
Cereals, total.					133,621	134,611	-0.7	Bu.	3,916,959	4,351,487	-10.0	5,171,758	2,651,877	95.0
Corn.	8,888	13,761	30.6	42.1	21,186	42,887	-50.0	Bu.	937,375	1,715,133	-45.3	1,087,275	1,102,222	53.1
Oats.	14,389	12,581	49.5	38.5	83,097	71,510	16.2	Bu.	2,306,349	2,141,357	11.9	2,306,340	1,169,223	105.0
Wheat.	5,702	360	19.6	1.1	11,276	678		Bu.	176,003	14,087		404,808	14,279	275.6
Emmer and spelt.	60	50	0.2	0.2	313	176	77.8	Bu.	7,074	4,799	47.4	14,148	3,767	275.0
Barley.	3,160	3,569	10.9	10.9	8,594	10,588	-18.8	Bu.	196,815	285,008	-30.9	344,431	225,803	52.5
Rye.	206	278	0.7	0.8	627	1,115	-52.7	Bu.	6,942	16,689	-58.4	13,190	14,533	-9.2
Buckwheat.	2,017	3,573	7.0	10.9	4,330	7,059	-43.5	Bu.	81,346	174,394	-53.4	150,481	122,050	23.3
Mixed crops.	576		2.0		4,298			Bu.	115,055			161,076		
Other grains and seeds with acreage reports, total.	2,860	2,752	9.8	8.4	3,914	2,519	55.4	Bu.	48,165	27,646	74.2	271,071	75,003	261.4
Dry edible beans.	97		0.3		3,696	2,390	54.6	Bu.	45,696	26,359	73.4	260,468	72,873	257.4
Soy beans.					90			Bu.	639			2,556		
Dry peas.	111	121	0.4	0.4	120	127	-5.5	Bu.	1,767	1,262	40.0	7,775	2,092	271.7
Seeds with no acreage reports, total.								Bu.	657	601	9.3	8,095	4,208	92.4
Red clover seed.	14	4	(6)	(9)				Bu.	80	8		2,320	51	
Timothy seed.	75	92	0.3	0.3				Bu.	444	572	-22.4	3,108	1,429	117.5
Hay and forage, total.	28,163	31,924	96.9	97.6	991,757	1,030,625		Tons.	1,748,358	1,502,780		29,561,464	16,335,892	
All tame or cultivated grasses.					805,086	937,049	-4.5	Tons.	1,163,703	988,781	17.7	24,950,999	13,699,115	82.5
Timothy alone.	5,394	7,201	18.6	22.0	113,469	162,422	-30.1	Tons.	147,613	179,847	-17.9	3,321,206	2,557,309	29.9
Timothy and clover mixed.	20,834	21,240	71.7	64.9	626,641	567,016	10.5	Tons.	857,575	628,098	36.5	18,866,650	8,910,372	111.7
Clover alone.	457	680	2.3	2.1	5,580	4,136	34.9	Tons.	9,958	6,640	50.0	214,100	89,440	139.4
Alfalfa.	452	100	1.0	0.3	1,705	252	600.4	Tons.	3,914	515	660.0	90,022	8,147	
Other tame grasses.	6,038		23.9		147,731	203,228	-27.3	Tons.	144,043	173,681	-16.7	2,458,931	2,103,838	16.9
Wild, salt, or prairie grasses.	948	1,134	3.3	3.5	12,771	13,951	-8.5	Tons.	13,146	13,052	0.7	184,329	124,887	31.6
Small grains cut for hay.	5,226		18.0		17,234			Tons.	32,586			570,257		
Annual legumes cut for hay.	185		0.6		1,275		-23.4	Tons.	1,805	47,621	-27.8	28,880		
Silage crops.	7,440		25.6		49,872			Tons.	475,161			3,088,549		
Corn cut for forage.	4,577		15.7		12,847	55,367		Tons.	51,850	452,465		518,500		
Kafir, sorghum, etc., for forage.	47		0.2		67			Tons.	177			1,770		
Root crops for forage.	423		1.5		2,605	81		Tons.	9,930	861		258,180	7,680	
Vegetables, total.												7,387,254	2,615,299	182.5
Potatoes (Irish or white).	24,581	27,848	84.5	85.1	24,182	26,859	-10.0	Bu.	2,277,387	4,145,630	-45.1	5,010,252	1,748,049	187.4
Sweet potatoes and yams.		2	(9)	(9)		1		Bu.		132		260,441	87	
Other vegetables.	1,555	26,048	5.3	82.4	1,905	8,548						2,110,561	872,183	
Farm garden.	25,226		88.8											
Miscellaneous crops, total.												3,622,443	1,104,540	228.0
Tobacco.	55	45	0.2	0.1	78	103	-24.3	Lbs.	120,210	164,680	-27.0	42,074	17,416	141.6
Maple sugar and sirup.	10,340	10,066	35.6	30.8								3,580,369	1,080,933	229.4
Fruits, total.												1,957,515	910,881	114.9
Small fruits.	3,657		12.6		694	469	48.0	Qts.	749,032	820,122	-9.3	187,580	92,030	103.8
Other fruits.												1,769,935	818,851	116.1

<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 12,847 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.  
<sup>3</sup> Principally oats and barley grown and harvested together.  
<sup>4</sup> Includes a small quantity of flaxseed.  
<sup>5</sup> Includes small quantities of "other clover and alfalfa seed" (1919), of "other grass seed" (1909), and of flower and vegetable seeds (value only, 1909). 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>6</sup> Less than one-tenth of 1 per cent.  
<sup>7</sup> Corn cut for forage was not reported to any extent in 1909; hence no very close comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.  
<sup>8</sup> Includes millet and Hungarian grass.  
<sup>9</sup> The 1919 figures represent vegetables raised for sale only.  
<sup>10</sup> In 1909 the value of the farm garden was largely included in the value of "other vegetables."  
<sup>11</sup> The 1909 figures include a small quantity of ginseng.  
<sup>12</sup> Includes the value of a small quantity of nuts.

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.

In addition to the crops regularly harvested in 1919, as shown in the tables, there were reported 155 acres of mature crops grazed or "hogged off."

**Farm value of crops.**—At the census of 1920 the farm schedule called for the value of all farm property, including land, buildings, implements and machinery, and the different classes of live stock. It also called for mortgage indebtedness, certain classes of farm expenditures, 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, per pound, 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.	1910	1909	1899	1889	1879
Corn.....	21,186	42,887	60,633	41,790	55,249
Oats.....	83,097	71,510	73,372	101,582	99,548
Wheat.....	11,276	7,878	1,796	8,397	20,748
Barley.....	8,594	10,586	12,152	16,427	10,552
Buckwheat.....	4,330	7,659	9,910	13,429	17,640
Hay and forage.....	1,991,757	1,039,625	1,006,375	994,107	1,015,620
Potatoes (Irish or white)....	24,182	26,859	28,353	31,943	38,593

<sup>1</sup> Includes 12,847 acres of 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.	
			Unit.			1919	1909
	1919	1909		1919	1909		
Corn.....	1.3	2.6	Bu...	44.2	40.0	\$70.64	\$25.70
Oats.....	4.9	4.4	Bu...	28.8	29.9	28.84	18.35
Wheat.....	0.7	( <sup>1</sup> )	Bu...	15.6	20.8	35.90	21.06
Barley.....	0.5	0.6	Bu...	22.9	26.9	40.08	21.33
Buckwheat.....	0.3	0.5	Bu...	18.8	22.8	34.75	15.94
Hay and forage.....	58.6	63.1	Tons.	1.76	1.46	20.83	15.85
Potatoes (Irish or white)....	1.4	1.6	Bu...	94.2	154.3	207.19	64.90

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

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.		
Total.....	1,555	5.3	1,905	\$280,441
Asparagus.....	44	0.2	21	4,435
Beans (green).....	246	0.8	99	13,864
Cabbages.....	451	1.6	154	39,804
Corn (pop).....	41	0.1	40	6,213
Corn (sweet).....	590	2.0	1,123	79,073
Cucumbers.....	257	0.9	55	9,992
Onions.....	293	1.0	87	30,014
Peas (green).....	248	0.9	46	8,211
Squashes.....	110	0.4	45	7,767
Tomatoes.....	255	0.9	66	17,864
All other vegetables.....			99	28,517
Mixed vegetables.....	83	0.3	67	14,087

TABLE 36.—MAPLE SUGAR AND SIRUP: 1919 AND 1909.

PRODUCT.	FARMS REPORTING.		Trees tapped.	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Total.....	1919.. 10,340	35.8	5,955,513			\$3,580,369
	1909.. 10,066	30.8	5,586,632			1,080,933
Sugar made.....	1919.. 7,636	23.3		6,251,784	Lbs.	2,000,556
	1909.. 7,636			7,720,817	Lbs.	720,927
Sirup made.....	1919.. 5,262	16.1		631,024	Gals.	1,579,813
	1909.. 5,262			409,953	Gals.	360,006

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Number.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....	1919.. 3,657	12.6	694	749,032	\$187,580
	1909.. 469		469	826,122	92,030
Strawberries.....	1919.. 1,999	6.9	275	428,335	107,086
	1909.. 1,240	3.8	276	615,820	68,690
Raspberries.....	1919.. 1,651	5.7	246	177,575	49,720
Raspberries and loganberries.....	1909.. 591	1.8	80	85,065	10,596
Blackberries and dewberries.....	1919.. 941	3.2	120	113,210	24,904
	1909.. 433	1.3	47	56,252	6,032
Currents.....	1919.. 565	1.9	30	24,437	4,886
	1909.. 992	3.0	58	58,533	5,684
Other berries.....	1919.. 23		23	5,475	984
	1909.. 8		8	10,452	1,028

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

FRUIT.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
	1920	1910	1920	1910		
Orchard fruits, total <sup>1</sup> .....	6,014		20.7		287,058	252,401
Apples.....	5,333	7,205	18.3	22.0	254,029	210,833
Peaches.....	152	137	0.5	0.4	3,078	2,187
Pears.....	1,063	2,014	3.7	6.2	8,484	7,726
Plums and prunes.....	1,104	2,225	3.8	6.8	10,756	15,818
Cherries.....	843	1,154	2.9	3.5	9,811	6,659
Grapes.....	439	491	1.5	1.5	2,441	1,845

<sup>1</sup> The 1910 figures include apricots and quinces. These fruits were not called for by the 1920 schedule.

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TABLE 39.—ORCHARD FRUITS AND GRAPES: 1919 AND 1909.

FRUIT.	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
Orchard fruits, total <sup>1</sup> .....	18,640	23,044	64.1	72.3	763,901	1,266,700	Bu....	974,485	1,492,499	\$1,761,980	\$801,865
Apples.....	17,781	23,044	61.2	72.3	712,594	1,183,529	Bu....	960,252	1,459,689	1,728,454	752,337
Peaches.....	201	188	0.7	0.6	2,915	5,492	Bu....	904	2,221	2,262	4,399
Pears.....	3,281	0,222	11.3	19.0	14,352	20,315	Bu....	10,360	20,763	22,793	23,788
Plums and prunes.....	2,295	4,040	7.9	14.2	19,647	32,920	Bu....	2,062	7,206	4,843	12,927
Cherries.....	1,068	2,980	6.8	9.1	14,393	18,006	Bu....	907	2,506	3,628	7,651
Grapes.....	1,949	2,209	6.7	6.8	7,160	9,318	Lbs...	99,422	203,011	7,955	6,328

<sup>1</sup> The figures for 1910 and 1909 include apricots, quinces, and mulberries. These fruits were not called for by the 1920 schedule.



**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.....	29,075	32,709	25,121	28,065	568	636	3,386	4,008
Reporting age.....	28,561	32,634	24,674	28,005	556	628	3,331	4,001
Under 25 years.....	690	634	427	365	44	26	225	243
25 to 34 years.....	3,986	4,422	2,880	3,129	142	126	964	1,167
35 to 44 years.....	6,375	7,372	5,229	5,977	150	179	990	1,216
45 to 54 years.....	7,299	7,921	6,503	7,027	118	153	678	741
55 to 64 years.....	5,707	6,666	5,321	6,150	70	88	316	423
65 years and over.....	4,498	5,610	4,314	5,357	32	50	152	206
Not reporting age.....	514	75	447	60	12	8	55	7

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.....	29,075	32,709	25,121	28,065	568	636	3,386	4,008
Rptg. years on farm.....	28,532	31,668	24,716	27,182	533	601	3,283	3,885
Less than 2 years.....	5,214	5,318	3,596	3,342	214	195	1,404	1,781
2 to 4 years.....	5,266	6,123	4,203	4,823	141	174	922	1,131
5 to 9 years.....	5,364	5,993	4,765	5,338	84	108	515	547
10 years and over.....	12,688	14,229	12,152	13,679	94	124	442	426
Not reporting.....	543	1,041	405	883	35	35	103	123

**Cooperative marketing and purchasing.**—Cooperative marketing of farm products or cooperative purchasing of supplies through farmers' organizations in 1919 was reported by 2,513 farms in Vermont, including 398 farms which reported both sales and

purchases, 841 farms which reported sales only, and 1,274 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.....	2,513	8.6		
Marketing.....	1,239	4.3	\$1,449,389	\$1,170
Purchasing.....	1,672	5.8	610,305	305

**Farm facilities—Motor vehicles, telephones, water, and light on farms.**—The following table indicates the extent to which the farmers of Vermont 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.....	7,611	26.2	8,172	282
Motor trucks.....	576	2.0	616	21
Tractors.....	424	1.5	444	15
Telephones.....	10,752	57.6		
Water piped into house.....	18,301	62.9		
Gas or electric light.....	3,328	11.4		

**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 Vermont in 1920 was 29,075, of which number 27,269 reported domestic animals of some kind, and 5,747 reported pure-bred live stock.

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

NOTE.—Pure-bred horses reported in Vermont represented 0.9 per cent of all horses on farms (see Table 23); pure-bred cattle, 6.8 per cent of the total; pure-bred sheep, 4.8 per cent; and pure-bred swine, 2.9 per cent.

BREED.	Number.	BREED.	Number.
Horses, total.....	661	Sheep, total.....	3,035
American Saddle.....	15	Cheviot.....	88
Clydesdale.....	13	Dorset Horn.....	267
Percheron.....	99	Hampshire Down.....	152
Thoroughbred.....	10	Leicester.....	34
All other breeds <sup>1</sup> .....	524	Lincoln.....	15
		Merino.....	533
Cattle, total.....	29,758	Oxford.....	98
Beef breeds, total.....	1,209	Rambouillet.....	76
Aberdeen Angus.....	28	Shropshire.....	1,359
Hereford.....	371	Southdown.....	85
Polled Durham.....	272	All other breeds <sup>1</sup> .....	329
Shorthorn.....	401		
All other beef breeds <sup>1</sup> .....	47	Swine, total.....	2,111
Dairy breeds, total.....	28,549	Berkshire.....	960
Ayrshire.....	3,808	Chester White.....	786
Brown Swiss.....	59	Duroc-Jersey.....	150
Guernsey.....	2,193	Poland China.....	87
Holstein-Friesian.....	13,413	Tamworth.....	21
Jersey.....	8,446	All other breeds <sup>1</sup> .....	117
All other dairy breeds <sup>1</sup> .....	630		

<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.....	20,622	70.9	196,388	8.1
Pigs.....	7,142	24.6	98,022	13.7
Lambs.....	1,954	6.7	30,800	15.8

**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 Vermont in 1919 has been estimated, however, at \$13,300,000, as compared with \$7,458,895, 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..	7,291	25.1	18,351	2.5	3,538,740
.....1909..			60,207		
Cattle.....1919..	6,460	19.7	18,832	2.9	
Calves.....1909..	5,147	15.7	41,875	8.0	
Swine.....1919..	17,490	60.2	43,418	2.5	4,345,803
.....1909..	16,559	50.6	50,786	3.1	
Sheep and lambs.....1919..	505	1.9	2,121	3.8	65,197
.....1909..	576	1.8	6,609	11.5	

**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..	8,888	111	1.2	Bushels. 937,375	Bushels. 7,841	0.8
.....1909..	13,761	225	1.0	1,715,133	18,427	1.1
Oats.....1919..	14,389	190	1.3	2,390,349	28,360	1.0
.....1909..	12,581	555	4.4	2,141,357	52,674	2.5
Barley.....1919..	3,160	20	0.8	160,815	1,897	1.0
.....1909..	3,569	193	5.4	285,008	6,944	2.4
Hay.....1919..				Tons. 1,211,240	Tons. 80,662	6.7
.....1909..				1,049,454	66,934	6.4
Potatoes.....1919..	24,581	7,692	31.0	Bushels. 2,277,887	Bushels. 621,288	27.3
Apples.....1919..		5,314		900,252	474,955	49.5

**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..	6,574	Gallons. 394,770
	1909..	6,564	651,159
Cider made (or to be made) into vinegar.....	1919..	4,483	180,533
Vinegar made on farms.....	1909..	2,434	96,520
Grape juice.....	1919..	80	217
Wine and grape juice.....	1909..	93	1,199
Dried fruits.....	1919..	348	Pounds. 8,408
	1909..	215	5,828

<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.....	18,869	22,114
Per cent of all farms.....	64.9	67.6
Value.....	\$0,377,580	\$3,638,537
Average per farm reporting.....	\$338	\$165
Forest products sold from farms (or cut and held for sale):		
Farms reporting.....	7,237	
Value.....	\$3,682,129	\$2,065,003
Average per farm reporting.....	\$509	
Forest products used on farms (or cut and held for use):		
Farms reporting.....	17,955	
Value.....	\$2,095,451	\$1,573,534
Average per farm reporting.....	\$150	

**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.....	8	9
Acreage used for growing nursery stock.....	51	37
Receipts from sale of products.....	\$25,725	\$11,014
Average receipts per nursery.....	\$3,216	\$1,224
Average receipts per acre.....	\$504.41	\$297.68
Greenhouses:		
Number of farms and establishments reporting.....	69	45
Square feet under glass.....	272,876	178,199
Receipts from sale of products.....	\$190,897	\$78,726
Flowers and flowering plants.....	\$176,067	
Vegetables and vegetable plants.....	\$20,230	
Average receipts per farm or establishment.....	\$2,854	\$1,740

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

		THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
<b>ALL FARMS.</b>								
1	Number of farms..1920.....	29,075	2,375	1,366	2,313	1,992	671	2,444
2	1910.....	32,709	2,690	1,688	2,633	2,206	808	2,698
3	1900.....	33,104	2,714	1,660	2,579	2,101	878	2,581
4	All farmers classified by sex, 1920:							
5	Male.....number.....	27,884	2,306	1,289	2,226	1,907	640	2,362
6	Female.....number.....	1,191	69	77	87	85	31	82
7	Color and nativity of all farmers, 1920:							
8	Native white.....number.....	25,280	2,218	1,241	1,938	1,750	493	1,986
9	Foreign-born white.....number.....	3,767	155	124	375	236	178	458
10	Negro and other nonwhite.....number.....	28	2	1	6	0	0	0
11	All farms classified by size, 1920:							
12	Under 3 acres.....number.....	75	6	4	4	7	0	4
13	3 to 9 acres.....number.....	1,731	116	115	117	168	22	194
14	10 to 19 acres.....number.....	1,644	127	82	121	125	27	155
15	20 to 49 acres.....number.....	2,924	221	109	202	188	47	193
16	50 to 99 acres.....number.....	5,199	383	255	308	338	130	351
17	100 to 174 acres.....number.....	8,777	683	333	767	526	184	719
18	175 to 259 acres.....number.....	5,081	448	227	414	352	126	482
19	260 to 499 acres.....number.....	3,115	335	135	229	255	99	306
20	500 to 999 acres.....number.....	544	51	37	24	31	34	27
21	1,000 acres and over.....number.....	85	5	9	7	2	2	8
<b>LAND AND FARM AREA.</b>								
22	Approximate land area, 1920.....acres.....	5,839,360	483,840	423,040	395,520	347,620	408,320	417,280
23	Land in farms..1920.....acres.....	4,235,811	373,122	207,234	339,548	280,868	117,360	359,249
24	1910.....acres.....	4,063,577	440,621	280,820	373,946	297,576	143,761	361,777
25	1900.....acres.....	4,724,440	403,587	270,609	348,641	290,737	158,970	380,862
26	Improved land in farms..1920.....acres.....	1,691,695	217,796	81,691	120,997	140,453	38,817	150,287
27	1910.....acres.....	1,633,935	228,105	91,648	132,708	138,749	39,642	148,225
28	1900.....acres.....	2,126,624	243,582	112,673	167,189	168,808	58,319	100,500
29	Woodland in farms, 1920.....acres.....	1,428,309	93,250	77,291	118,514	71,075	87,871	97,788
30	Other unimproved land in farms, 1920.....acres.....	1,115,907	62,076	48,252	91,037	69,340	20,672	111,174
31	Per cent of land area in farms, 1920.....	72.5	77.1	49.0	85.8	80.8	28.7	86.1
32	Per cent of farm land improved, 1920.....	39.9	58.4	39.4	38.3	50.0	33.1	41.8
33	Average acreage per farm, 1920.....	145.7	157.1	151.7	146.8	141.0	174.9	147.0
34	Average improved acreage per farm, 1920.....	58.2	91.7	59.8	66.2	70.5	57.8	61.5
<b>VALUE OF FARM PROPERTY.</b>								
35	All farm property..1920.....dollars.....	222,736,620	23,245,120	9,902,712	17,725,226	21,325,918	4,270,016	20,168,058
36	1910.....dollars.....	145,399,728	16,154,980	8,117,299	10,862,819	13,564,440	2,837,608	14,959,058
37	1900.....dollars.....	108,451,427	11,656,055	5,785,974	7,581,824	10,522,950	2,329,923	11,081,231
38	Land in farms..1920.....dollars.....	82,938,253	8,492,384	3,506,288	6,287,717	8,791,680	1,502,084	11,442,809
39	1910.....dollars.....	58,385,327	7,360,789	3,273,877	4,329,634	5,564,582	1,065,320	6,477,747
40	1900.....dollars.....	45,813,905	5,339,060	2,604,380	2,857,980	4,806,550	899,780	5,227,860
41	Farm buildings..1920.....dollars.....	76,178,906	8,301,207	4,113,697	6,067,380	6,941,507	1,357,381	8,286,516
42	1910.....dollars.....	54,202,948	5,634,017	3,384,205	3,857,990	5,391,770	989,085	5,374,390
43	1900.....dollars.....	37,257,715	3,882,310	2,103,870	2,609,750	3,645,190	780,070	3,468,980
44	Implements and machinery..1920.....dollars.....	21,234,130	2,262,598	776,319	1,718,865	1,816,045	459,431	1,992,233
45	1910.....dollars.....	10,168,687	925,010	442,133	850,386	784,590	227,121	905,664
46	1900.....dollars.....	7,538,490	606,790	301,580	604,090	617,190	174,720	662,150
47	Live stock on farms..1920.....dollars.....	42,385,331	4,188,931	1,506,408	3,651,264	3,770,677	900,120	4,447,400
48	1910.....dollars.....	22,642,768	2,235,155	1,017,084	1,824,809	1,823,498	556,082	2,201,257
49	1900.....dollars.....	17,841,317	1,736,295	776,144	1,420,004	1,454,020	475,353	1,722,241
50	Average values, 1920:							
51	All property per farm.....dollars.....	7,661	9,787	7,249	7,603	10,709	6,377	10,707
52	Land and buildings per farm.....dollars.....	5,473	7,071	5,678	5,342	7,898	4,261	8,073
53	Land alone per acre.....dollars.....	19.58	22.76	16.92	18.52	31.30	12.80	31.85
<b>FARMS OPERATED BY OWNERS.</b>								
54	Number of farms..1920.....	25,121	1,848	1,144	2,145	1,029	622	1,880
55	1910.....	28,065	2,119	1,406	2,438	1,734	745	2,051
56	1900.....	27,669	2,187	1,385	2,349	1,605	701	1,914
57	Per cent of all farms, 1920.....	86.4	77.8	83.7	92.7	81.8	92.7	76.9
58	Land in farms, 1920.....acres.....	3,520,899	276,096	158,006	306,189	215,078	107,646	240,978
59	Improved land in farms, 1920.....acres.....	1,387,502	150,065	63,549	117,751	104,829	35,306	104,915
60	Value of land and buildings, 1920.....dollars.....	126,686,877	11,725,176	5,171,694	11,344,597	11,083,475	2,610,800	13,738,725
61	Degree of ownership, 1920:							
62	Farmers owning entire farm.....number.....	23,926	1,693	1,108	2,077	1,553	603	1,824
63	Farmers hiring additional land.....number.....	1,195	155	86	68	76	19	56
64	Color and nativity of owners, 1920:							
65	Native white owners.....number.....	21,719	1,714	1,034	1,794	1,423	453	1,524
66	Foreign-born white owners.....number.....	3,381	132	110	351	201	109	356
67	Negro and other nonwhite owners.....number.....	21	2	0	0	5	0	0
<b>FARMS OPERATED BY MANAGERS.</b>								
68	Number of farms..1920.....	568	34	61	31	48	2	42
69	1910.....	636	46	53	37	59	16	40
70	1900.....	615	31	32	44	39	15	35
71	Land in farms, 1920.....acres.....	150,197	8,085	19,894	13,703	9,944	360	11,874
72	Improved land in farms, 1920.....acres.....	55,962	4,993	6,413	4,659	5,604	135	5,557
73	Value of land and buildings, 1920.....dollars.....	9,611,978	700,600	1,618,296	369,900	1,720,467	17,000	758,900
<b>FARMS OPERATED BY TENANTS.</b>								
74	Number of farms..1920.....	3,388	493	161	137	315	47	522
75	1910.....	4,008	525	229	158	416	47	607
76	1900.....	4,820	496	243	186	460	72	632
77	Per cent of all farms, 1920.....	11.6	20.8	11.8	5.9	15.8	7.0	21.4
78	Land in farms, 1920.....acres.....	564,715	85,961	29,344	19,656	55,846	9,354	97,397
79	Improved land in farms, 1920.....acres.....	248,131	56,738	11,729	7,587	30,020	3,376	39,815
80	Value of land and buildings, 1920.....dollars.....	22,818,304	4,307,815	829,995	640,600	2,929,254	281,665	5,231,700
81	Form of tenancy, 1920:							
82	Share tenants.....number.....	1,621	312	61	15	104	11	392
83	Share-cash tenants.....number.....	26	5	1	0	0	0	0
84	Cash tenants.....number.....	1,469	145	98	115	121	27	98
85	Unspecified.....number.....	250	31	1	7	0	0	32
86	Color and nativity of tenants, 1920:							
87	Native white tenants.....number.....	3,055	470	153	117	285	38	430
88	Foreign-born white tenants.....number.....	327	23	8	20	29	9	92
89	Negro and other nonwhite tenants.....number.....	4	0	0	0	1	0	0

WITH SELECTED ITEMS FOR 1910 AND 1900.

		Grand Isle.	Lamolle.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
<b>ALL FARMS.</b>									
1	Number of farms, 1920.....	501	1,599	2,637	2,543	2,649	2,564	2,103	3,268
2	1910.....	544	1,629	3,016	2,806	2,863	2,830	2,553	3,745
3	1900.....	494	1,620	3,150	2,926	2,930	2,910	2,765	3,796
4	All farmers classified by sex, 1920:								
5	Male.....number..	479	1,542	2,549	2,476	2,529	2,405	1,994	3,120
6	Female.....number..	22	57	138	67	120	99	109	148
7	Color and nativity of all farmers, 1920:								
8	Native white.....number..	451	1,416	2,487	1,759	2,392	2,213	1,978	2,978
9	Foreign-born white.....number..	50	183	218	782	253	349	122	284
10	Negro and other nonwhite.....number..			2	2	4	2	3	6
11	All farms classified by size, 1920:								
12	Under 3 acres.....number..		8	6		14	6	6	10
13	3 to 9 acres.....number..	41	95	128		199	148	125	175
14	10 to 19 acres.....number..	46	83	110	88	199	160	78	141
15	20 to 49 acres.....number..	60	182	262	227	259	290	226	333
16	50 to 99 acres.....number..	141	325	507	443	402	540	405	606
17	100 to 174 acres.....number..	139	517	899	873	657	831	585	1,064
18	175 to 259 acres.....number..	58	248	451	498	454	379	305	548
19	260 to 499 acres.....number..	10	112	235	202	386	182	230	327
20	500 to 999 acres.....number..		19	45	36	95	25	65	55
21	1,000 acres and over.....number..		5	5		18	8	12	9
<b>LAND AND FARM AREA.</b>									
22	Approximate land area, 1920.....acres..	53,120	270,040	432,640	440,320	583,040	460,160	508,800	606,720
23	Land in farms, 1920.....acres..	48,013	211,285	378,431	368,105	436,558	316,799	331,638	467,601
24	1910.....acres..	49,775	218,218	405,134	377,809	442,549	369,040	389,409	538,012
25	1900.....acres..	47,096	219,754	425,691	385,001	458,282	378,497	428,896	547,817
26	Improved land in farms, 1920.....acres..	33,141	73,547	123,999	173,646	165,368	106,039	96,964	159,310
27	1910.....acres..	36,298	74,379	111,033	130,774	153,738	112,427	93,282	152,007
28	1900.....acres..	35,665	78,487	134,906	204,401	206,093	143,931	141,681	222,509
29	Woodland in farms, 1920.....acres..	7,598	89,403	126,413	120,390	148,339	115,989	137,629	166,750
30	Other unimproved land in farms, 1920.....acres..	7,274	48,885	128,019	74,000	122,861	94,171	97,105	141,541
31	Per cent of land area in farms, 1920.....	90.4	75.7	87.5	83.6	74.9	68.8	65.2	77.1
32	Per cent of farm land improved, 1920.....	69.0	84.8	32.8	47.2	37.9	33.7	29.2	34.1
33	Average acreage per farm, 1920.....	95.8	132.1	140.8	144.8	164.8	123.6	157.7	143.1
34	Average improved acreage per farm, 1920.....	66.1	46.0	46.1	68.3	62.4	41.6	46.1	48.7
<b>VALUE OF FARM PROPERTY.</b>									
35	All farm property, 1920.....dollars..	4,982,096	10,581,536	14,785,572	21,762,223	10,987,210	16,955,339	12,330,110	18,755,584
36	1910.....dollars..	3,857,541	5,961,723	9,615,687	11,819,118	13,586,680	11,149,583	9,218,714	14,194,478
37	1900.....dollars..	2,294,494	4,084,662	7,495,106	8,497,526	11,533,728	8,257,292	7,672,042	9,799,620
38	Land in farms, 1920.....dollars..	2,175,555	3,994,205	4,859,685	8,818,071	6,576,184	5,748,708	4,520,382	6,213,492
39	1910.....dollars..	1,606,739	2,235,635	3,464,644	4,507,310	5,224,801	4,310,843	3,551,625	5,121,781
40	1900.....dollars..	1,174,900	1,565,610	2,768,050	3,423,810	5,030,025	3,435,280	3,059,030	3,570,990
41	Farm buildings, 1920.....dollars..	1,794,900	3,467,745	4,861,287	6,837,060	7,395,645	5,082,415	4,107,238	6,665,228
42	1910.....dollars..	1,284,926	2,173,195	3,006,351	4,142,475	5,255,025	4,170,852	3,248,745	5,739,922
43	1900.....dollars..	766,780	1,377,410	2,670,250	2,664,280	4,104,085	2,721,950	2,711,270	3,721,480
44	Implements and machinery, 1920.....dollars..	372,763	1,075,313	1,722,978	2,150,013	1,844,094	1,767,083	1,300,971	1,975,524
45	1910.....dollars..	152,043	541,138	810,088	1,051,132	845,730	821,077	639,043	1,117,623
46	1900.....dollars..	102,860	380,880	655,640	780,670	612,530	621,310	597,900	744,190
47	Live stock on farms, 1920.....dollars..	639,178	1,994,273	3,341,722	3,957,079	4,171,237	3,457,133	2,392,519	3,901,340
48	1910.....dollars..	363,833	1,011,755	1,738,604	2,118,201	2,261,124	1,846,811	1,429,301	2,215,252
49	1900.....dollars..	249,904	730,762	1,401,166	1,592,756	1,737,038	1,478,722	1,303,842	1,762,960
50	Average values, 1920:								
51	All property per farm.....dollars..	9,944	6,586	5,603	8,558	7,545	6,613	5,893	5,739
52	Land and buildings per farm.....dollars..	7,924	4,667	3,618	6,156	5,274	4,575	4,107	3,941
53	Land alone per acre.....dollars..	45.31	18.90	12.84	23.66	15.06	18.15	13.66	13.29
<b>FARMS OPERATED BY OWNERS.</b>									
54	Number of farms, 1920.....	813	1,450	2,407	2,362	2,194	2,324	1,881	2,913
55	1910.....	878	1,471	2,700	2,557	2,866	2,668	2,272	3,266
56	1900.....	367	1,309	2,743	2,578	2,281	2,542	2,330	2,333
57	Per cent of all farms, 1920.....	62.5	61.2	89.6	82.9	82.8	90.6	89.4	89.1
58	Land in farms, 1920.....acres..	24,475	102,540	334,594	340,221	340,563	280,734	280,448	404,831
59	Improved land in farms, 1920.....acres..	17,542	67,008	109,333	161,404	131,653	94,885	84,843	138,809
60	Value of land and buildings, 1920.....dollars..	2,067,075	6,760,830	8,588,772	14,396,706	10,614,704	10,412,283	7,259,070	10,942,970
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number..	204	1,424	2,299	2,294	2,031	2,243	1,735	2,748
63	Farmers hiring additional land.....number..	19	35	108	68	163	51	146	105
64	Color and nativity of owners, 1920:								
65	Native white owners.....number..	275	1,286	2,200	1,618	1,981	2,000	1,772	2,645
66	Foreign-born white owners.....number..	38	173	205	742	210	324	106	264
67	Negro and other nonwhite owners.....number..			2	2	3		3	4
<b>FARMS OPERATED BY MANAGERS.</b>									
68	Number of farms, 1920.....	4	19	40	42	64	36	63	82
69	1910.....	4	18	53	52	45	41	87	83
70	1900.....	8	15	59	47	78	33	92	90
71	Land in farms, 1920.....acres..	786	2,311	7,019	8,031	19,362	7,489	18,283	23,088
72	Improved land in farms, 1920.....acres..	435	1,115	2,528	3,488	6,381	2,439	4,601	7,554
73	Value of land and buildings, 1920.....dollars..	54,000	108,300	252,250	469,425	1,303,750	373,790	872,000	933,300
<b>FARMS OPERATED BY TENANTS.</b>									
74	Number of farms, 1920.....	184	121	240	139	391	204	159	273
75	1910.....	162	140	258	197	452	221	194	402
76	1900.....	119	296	343	301	571	335	293	468
77	Per cent of all farms, 1920.....	36.7	7.0	8.9	5.5	14.8	8.0	7.6	8.4
78	Land in farms, 1920.....acres..	22,752	16,434	36,818	19,853	76,683	28,578	22,907	40,184
79	Improved land in farms, 1920.....acres..	15,164	5,424	12,033	8,754	27,334	9,755	7,460	12,887
80	Value of land and buildings, 1920.....dollars..	1,859,080	592,320	879,950	789,000	2,053,875	945,050	525,550	1,002,450
81	Form of tenancy, 1920:								
82	Share tenants.....number..	156	54	38	72	191	44	35	46
83	Share-cash tenants.....number..	3	1		5	4	2		5
84	Cash tenants.....number..	22	53	156	58	198	135	97	171
85	Unspecified.....number..	3	18	46	4	3	23	27	51
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number..	173	112	229	108	353	180	148	259
88	Foreign-born white tenants.....number..	11	9	11	31	37	22	11	14
89	Negro and other nonwhite tenants.....number..					1	2		

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

	THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
<b>DOMESTIC ANIMALS: 1920.</b>							
1 Farms reporting domestic animals.....number..	27,269	2,250	1,264	2,154	1,879	639	2,306
2 Value of all domestic animals.....dollars..	41,151,827	4,064,885	1,433,193	3,540,387	3,687,906	938,402	4,370,136
<b>Horses:</b>							
3 Total number.....	77,231	7,949	3,207	7,014	5,001	1,966	7,218
4 Colts under 1 year of age.....	2,250	341	93	191	188	65	165
5 Colts 1 year old and under 2 years.....	2,272	333	87	214	176	78	211
6 Mares 2 years old and over.....	31,740	3,402	1,135	2,562	2,306	731	2,921
7 Geldings 2 years old and over.....	40,335	3,809	1,892	3,957	3,205	1,075	3,878
8 Stallions 2 years old and over.....	634	64	20	90	26	14	43
9 Total value.....dollars..	10,421,141	1,075,095	418,183	1,020,874	782,725	270,350	906,003
<b>Mules:</b>							
10 Total number.....	601	50	38	27	59	14	20
11 Mule colts under 1 year of age.....	23	9	1	-----	-----	5	-----
12 Mule colts 1 year old and under 2 years.....	34	6	-----	2	3	-----	-----
13 Mules 2 years old and over.....	544	41	37	25	56	9	20
14 Total value.....dollars..	91,916	8,005	5,530	4,565	8,291	2,340	2,950
<b>Asses and burros:</b>							
15 Total number.....	27	3	3	-----	1	-----	-----
16 Total value.....dollars..	2,460	185	85	-----	50	20	-----
<b>Cattle:</b>							
17 Total number.....	435,480	41,457	12,970	37,287	38,210	9,701	49,649
18 Total value.....dollars..	28,502,803	2,714,711	877,967	2,359,253	2,800,450	630,745	3,316,434
<b>Beef cattle:</b>							
19 Total number.....	14,200	1,811	395	1,061	478	542	593
20 Calves under 1 year of age.....	2,501	293	82	197	111	101	65
21 Heifers 1 year old and under 2 years.....	1,023	124	32	75	81	33	49
22 Cows and heifers 2 years old and over.....	3,219	256	123	337	104	131	407
23 Steers 1 year old and under 2 years.....	2,568	485	57	166	43	106	16
24 Steers 2 years old and over.....	4,347	580	62	243	54	100	15
25 Bulls 1 year old and over.....	542	73	39	43	25	11	11
26 Total value.....dollars..	906,462	107,888	21,356	76,649	31,557	31,005	30,633
<b>Dairy cattle:</b>							
27 Total number.....	421,280	39,646	12,574	36,226	37,741	9,159	49,086
28 Calves under 1 year of age.....	64,147	6,104	1,876	6,012	4,555	1,373	5,682
29 Heifers 1 year old and under 2 years.....	55,521	5,608	1,762	4,837	3,999	1,373	5,336
30 Cows and heifers 2 years old and over.....	280,122	26,994	8,624	24,390	28,203	6,236	36,738
31 Bulls 1 year old and over.....	11,490	940	322	987	984	260	1,330
32 Total value.....dollars..	27,506,341	2,606,823	856,611	2,282,604	2,768,893	599,050	3,285,801
<b>Sheep:</b>							
33 Total number.....	62,756	12,287	5,867	3,732	1,304	1,228	1,933
34 Lambs under 1 year of age.....	12,040	2,093	1,303	961	245	250	323
35 Ewes 1 year old and over.....	47,088	9,785	4,163	2,590	1,014	900	1,505
36 Rams 1 year old and over.....	1,895	397	129	134	56	62	60
37 Wethers 1 year old and over.....	833	12	272	47	79	7	45
38 Total value.....dollars..	723,683	152,870	63,458	44,513	10,009	12,750	24,920
<b>Goats:</b>							
39 Total number.....	124	3	5	5	2	-----	2
40 Total value.....dollars..	2,414	36	68	159	37	-----	85
<b>Swine:</b>							
41 Total number.....	72,761	6,709	3,625	6,147	4,087	1,221	6,157
42 Pigs under 6 months old.....	46,386	4,670	2,153	3,939	2,312	721	4,002
43 Sows and gilts for breeding, 6 months old and over.....	10,779	962	625	799	469	254	777
44 Boars for breeding, 6 months old and over.....	1,087	88	54	94	67	22	85
45 All other hogs, 6 months old and over.....	14,509	1,085	793	1,315	849	224	1,203
46 Total value.....dollars..	1,407,410	113,584	67,902	120,028	80,344	22,188	119,794
<b>POULTRY AND BEES: 1920.</b>							
47 Chickens.....number..	799,797	69,699	48,422	67,707	58,791	15,039	50,904
48 Other poultry.....number..	15,288	1,224	1,196	574	832	182	1,413
49 Value of all poultry.....dollars..	1,167,717	99,962	70,393	94,733	84,533	20,465	72,008
50 Bees.....number of hives..	10,024	3,742	356	409	713	197	880
51 Total value.....dollars..	65,787	24,084	2,822	3,144	4,238	1,253	5,261
<b>LIVE-STOCK PRODUCTS: 1919.</b>							
<b>Dairy products:</b>							
52 Milk produced (as reported).....gallons..	108,119,922	9,442,957	3,093,019	9,041,467	10,363,891	2,352,205	12,506,463
53 Milk sold.....gallons..	55,819,390	6,705,877	1,697,344	3,008,021	8,976,242	1,523,080	8,796,672
54 Cream sold.....gallons..	928,343	110,787	30,582	88,554	104,543	22,768	82,276
55 Butter fat sold.....pounds..	13,072,731	824,676	62,040	1,650,638	254,353	94,239	1,318,950
56 Butter made on farms.....pounds..	3,877,039	210,158	410,054	401,597	47,970	104,666	176,581
57 Butter sold.....pounds..	2,954,634	156,254	301,394	345,335	30,845	80,611	150,952
58 Cheese made on farms.....pounds..	75,502	50	471	53,510	6	-----	7
59 Value of dairy products.....dollars..	27,207,813	2,641,446	803,810	2,497,628	3,079,870	531,038	3,852,676
60 Receipts from sale of dairy products.....dollars..	26,534,760	2,609,153	741,815	2,442,185	3,007,932	516,181	3,337,637
61 Average production of milk per dairy cow.....gallons..	414	422	433	450	406	482	394
<b>Eggs and chickens:</b>							
62 Eggs produced (as reported).....dozens..	4,050,695	444,386	284,851	393,336	280,226	78,243	289,004
63 Eggs sold.....dozens..	3,094,170	263,291	182,225	289,276	192,058	52,382	192,424
64 Chickens raised (as reported).....number..	770,583	71,172	48,031	56,265	57,100	13,633	41,702
65 Chickens sold.....number..	336,730	36,694	19,453	22,704	25,411	4,504	19,038
66 Value of chickens and eggs produced.....dollars..	3,472,899	318,449	214,596	349,084	220,705	48,000	212,089
67 Receipts from sale of chickens and eggs.....dollars..	2,061,619	180,265	123,400	222,009	132,794	27,717	130,903
<b>Honey and wax:</b>							
68 Honey produced.....pounds..	234,326	112,708	7,078	7,830	10,349	2,718	14,810
69 Wax produced.....pounds..	2,137	222	18	86	116	40	149
70 Value of honey and wax.....dollars..	70,055	36,528	2,274	2,649	5,290	890	4,817
<b>Wool:</b>							
71 Sheep shorn.....number..	54,376	11,183	4,938	3,383	1,117	1,031	1,522
72 Wool produced (as reported).....pounds..	335,356	102,533	31,477	23,805	7,071	6,810	11,195
73 Value.....dollars..	235,648	62,004	19,313	13,183	4,607	4,076	6,766

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

COUNTY TABLE III.—DOMESTIC ANIMALS

1 Inclosures reporting domestic animals.....	10,171	712	592	725	884	207	1,023
2 Horses, total number.....	12,733	804	799	997	1,533	430	1,167
3 Mules, total number.....	268	16	6	20	130	-----	11
4 Asses and burros, total number.....	-----	-----	-----	-----	-----	-----	-----
5 Cattle, total number.....	7,940	478	434	438	498	270	596
6 Dairy cows.....	5,879	313	328	375	328	108	450
7 Sheep, total number.....	395	13	87	3	14	18	5
8 Goats, total number.....	52	3	1	1	7	-----	1
9 Swine, total number.....	6,374	483	341	204	704	119	601



1920; AND LIVE-STOCK PRODUCTS, 1919.

		Grand Isle.	Lamoille.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
<b>DOMESTIC ANIMALS: 1920.</b>									
1	Farms reporting domestic animals.....	number.....	474	1,527	2,475	2,442	2,461	2,398	1,040
2	Value of all domestic animals.....	dollars.....	612,362	1,943,871	3,219,200	3,878,170	4,066,718	3,352,457	2,298,065
3	<b>Horses:</b>								
4	Total number.....	1,755	3,837	6,428	7,150	6,787	6,166	4,380	7,523
5	Colts under 1 year of age.....	59	67	196	206	167	188	86	248
6	Colts 1 year old and under 2 years.....	61	78	188	236	161	167	75	227
7	Mares 2 years old and over.....	825	1,899	2,732	3,016	2,773	2,334	1,803	3,391
8	Geldings 2 years old and over.....	795	1,759	3,249	3,040	3,040	3,441	2,327	3,653
9	Stallions 2 years old and over.....	15	34	63	40	50	30	39	84
10	Total value.....	dollars.....	201,839	511,871	862,022	969,466	889,339	880,237	584,464
11	<b>Mules:</b>								
12	Total number.....	7	59	82	46	68	42	23	60
13	Mule colts under 1 year of age.....	1	1	1	1	5	1	1	1
14	Mule colts 1 year old and under 2 years.....	2	2	4	1	8	3	1	4
15	Mules 2 years old and over.....	7	56	78	45	55	39	21	55
16	Total value.....	dollars.....	875	9,660	13,035	6,721	9,934	7,000	3,760
17	<b>Asses and burros:</b>								
18	Total number.....	2	2	2	2	4	2	2	11
19	Total value.....	dollars.....	40	40	40	440	76	76	1,566
20	<b>Cattle:</b>								
21	Total number.....	6,191	23,025	35,584	44,582	41,596	38,070	22,113	37,027
22	Total value.....	dollars.....	364,147	1,333,845	2,144,464	2,734,739	2,962,599	1,563,189	2,418,174
23	<b>Beef cattle—</b>								
24	Total number.....	62	284	1,735	355	902	1,300	2,271	2,051
25	Calves under 1 year of age.....	32	62	304	207	245	224	335	243
26	Heifers 1 year old and under 2 years.....	9	22	120	51	124	95	123	85
27	Cows and heifers 2 years old and over.....	9	79	257	255	301	417	244	239
28	Steers 1 year old and under 2 years.....	1	32	301	60	158	185	540	418
29	Steers 2 years old and over.....	8	93	713	54	120	337	947	971
30	Bulls 1 year old and over.....	8	6	40	28	44	42	82	95
31	Total value.....	dollars.....	2,487	15,826	117,175	26,345	58,556	80,391	152,339
32	<b>Dairy cattle—</b>								
33	Total number.....	6,129	22,741	33,849	43,927	40,694	34,770	19,242	34,976
34	Calves under 1 year of age.....	1,018	3,753	5,885	5,825	5,889	6,116	3,620	6,439
35	Heifers 1 year old and under 2 years.....	704	2,644	4,982	5,259	5,688	4,678	3,179	5,555
36	Cows and heifers 2 years old and over.....	4,262	15,666	21,991	31,620	27,991	22,927	12,450	22,039
37	Bulls 1 year old and over.....	145	673	991	1,223	1,036	1,049	593	952
38	Total value.....	dollars.....	361,660	1,318,019	2,027,280	2,708,394	2,904,040	1,410,563	2,264,609
39	<b>Sheep:</b>								
40	Total number.....	1,714	1,550	5,842	4,194	7,249	2,238	4,783	8,745
41	Lambs under 1 year of age.....	812	281	1,347	710	1,367	387	1,023	2,323
42	Ewes 1 year old and over.....	1,353	1,217	4,135	3,340	5,627	1,755	3,583	6,121
43	Rams 1 year old and over.....	48	50	185	135	203	88	149	199
44	Wethers 1 year old and over.....	1	2	175	3	52	8	28	102
45	Total value.....	dollars.....	19,797	20,110	57,893	51,550	79,281	31,025	53,556
46	<b>Goats:</b>								
47	Total number.....	2	18	6	43	6	12	20	20
48	Total value.....	dollars.....	25	490	175	1,010	60	94	226
49	<b>Swine:</b>								
50	Total number.....	1,183	3,852	7,005	5,824	6,788	7,547	4,404	8,212
51	Pigs under 6 months old.....	721	2,585	4,696	3,580	4,296	4,868	2,680	5,374
52	Sows and gilts for breeding, 6 months old and over.....	208	602	933	794	975	1,067	559	1,265
53	Boars for breeding, 6 months old and over.....	18	50	101	95	102	103	82	126
54	All other hogs, 6 months old and over.....	236	606	1,375	1,355	1,415	1,500	1,094	1,447
55	Total value.....	dollars.....	25,704	68,360	141,256	115,513	124,118	151,971	163,651
<b>POULTRY AND BEES: 1920.</b>									
56	Chickens.....	number.....	17,537	35,274	76,725	58,715	75,823	65,222	56,173
57	Other poultry.....	number.....	583	301	1,779	787	1,476	1,026	1,520
58	Value of all poultry.....	dollars.....	24,512	49,108	118,926	76,882	99,266	103,937	90,492
59	Bees.....	number of hives.....	370	227	512	224	806	219	578
60	Total value.....	dollars.....	2,304	1,294	3,696	2,027	5,303	1,639	3,962
<b>LIVE-STOCK PRODUCTS: 1919.</b>									
61	<b>Dairy products:</b>								
62	Milk produced (as reported).....	gallons.....	1,611,494	4,585,791	7,086,280	13,618,701	10,294,314	9,227,453	4,493,352
63	Milk sold.....	gallons.....	833,718	1,434,349	2,543,045	5,222,678	6,038,013	2,992,143	1,408,347
64	Cream sold.....	gallons.....	48,977	20,869	43,886	48,826	90,752	78,660	47,517
65	Butter fat sold.....	pounds.....	174,258	1,458,406	1,455,002	2,218,202	390,438	1,736,564	390,260
66	Butter made on farms.....	pounds.....	19,326	147,078	375,083	341,065	400,524	204,063	892,480
67	Butter sold.....	pounds.....	5,221	94,746	291,203	285,203	300,046	159,529	283,114
68	Cheese made on farms.....	pounds.....	760	2,036	760	175	9,287	2,580	2,055
69	Value of dairy products.....	dollars.....	356,978	1,402,838	1,792,392	3,020,605	2,098,612	2,159,959	966,297
70	Receipts from sale of dairy products.....	dollars.....	348,223	1,371,611	1,744,023	2,998,559	2,633,611	2,133,051	900,644
71	Average production of milk per dairy cow.....	gallons.....	551	438	892	483	391	431	378
72	<b>Eggs and chickens:</b>								
73	Eggs produced (as reported).....	dozens.....	82,766	238,215	385,956	384,780	409,206	418,660	355,358
74	Eggs sold.....	dozens.....	43,630	165,908	310,823	219,038	221,898	283,893	235,793
75	Chickens raised (as reported).....	number.....	15,670	38,513	79,975	46,144	75,826	59,744	57,832
76	Chickens sold.....	number.....	6,533	17,492	40,747	18,132	27,812	26,926	25,839
77	Value of chickens and eggs produced.....	dollars.....	67,729	171,585	298,123	252,664	310,003	201,530	258,895
78	Receipts from sale of chickens and eggs.....	dollars.....	31,845	105,084	212,197	135,202	152,464	183,484	156,565
79	<b>Honey and wax:</b>								
80	Honey produced.....	pounds.....	14,748	2,741	7,086	6,218	18,509	2,539	9,626
81	Wax produced.....	pounds.....	172	40	82	38	181	2	150
82	Value of honey and wax.....	dollars.....	4,805	897	2,309	2,000	6,014	813	3,155
83	<b>Wool:</b>								
84	Sheep shorn.....	number.....	1,093	1,150	5,251	3,644	6,672	1,744	3,778
85	Wool produced (as reported).....	pounds.....	12,197	8,019	36,910	26,360	40,012	12,653	23,745
86	Value.....	dollars.....	7,120	4,828	22,120	14,345	25,299	7,411	14,130

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

NOT ON FARMS OR RANGES: 1920.

1	Inclosures reporting domestic animals.....	79	396	570	719	1,488	972	664	1,080
2	Horses, total number.....	68	486	765	1,033	1,251	1,221	891	1,288
3	Mules, total number.....	1	10	13	17	4	16	24	24
4	Asses and burros, total number.....	54	310	508	602	1,039	940	799	965
5	Cattle, total number.....	38	226	391	493	820	704	538	668
6	Dairy cows.....	1	6	21	60	7	14	98	53
7	Sheep, total number.....	72	190	380	212	1,031	724	470	834
8	Goats, total number.....								
9	Swine, total number.....								

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

		THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
<b>VALUE OF ALL CROPS.</b>								
1	Total.....	dollars.. 47,999,800	4,901,213	1,955,307	3,523,767	3,979,097	993,427	5,402,083
2	Cereals.....	dollars.. 5,171,758	645,697	367,814	288,839	324,754	91,397	507,259
3	Other grains and seeds.....	dollars.. 279,166	24,181	8,225	3,390	7,896	1,162	24,448
4	Hay and forage.....	dollars.. 29,531,464	3,378,096	984,926	2,292,470	2,691,318	637,485	3,491,300
5	Vegetables.....	dollars.. 7,387,254	519,807	402,173	559,491	555,395	187,036	668,521
6	Fruits.....	dollars.. 1,957,515	199,736	86,984	59,348	197,184	17,838	99,724
7	All other crops.....	dollars.. 3,622,443	133,746	105,185	320,217	202,550	57,909	610,822
<b>SELECTED CROPS (acres harvested and production).</b>								
8	Cereals:							
9	Total.....	acres.. 133,021	23,043	7,310	7,450	10,215	2,540	15,626
10	Corn.....	bushels.. 3,916,959	483,085	254,367	244,969	240,325	82,708	422,149
11	Oats.....	acres.. 21,186	1,971	2,052	163	1,561	52	1,250
12	Wheat.....	bushels.. 937,375	71,151	108,612	9,335	62,945	1,008	51,761
13	Barley.....	acres.. 83,097	13,518	3,946	5,495	6,799	2,064	11,663
14	Rye.....	bushels.. 2,396,340	283,155	115,380	107,537	154,161	73,202	320,074
15	Buckwheat.....	acres.. 11,276	2,961	208	819	500	163	788
16	Barley.....	bushels.. 176,003	40,098	3,657	13,408	7,429	2,431	11,807
17	Rye.....	acres.. 8,594	1,911	131	739	636	112	1,305
18	Buckwheat.....	bushels.. 196,815	34,109	3,422	10,746	12,386	2,951	30,336
19	Mixed crops.....	acres.. 527	71	53	5	99	4	68
20	Dry edible beans.....	bushels.. 6,942	1,070	801	100	749	69	656
21	Dry peas.....	acres.. 4,330	377	880	225	151	135	411
22	Mixed crops.....	bushels.. 81,346	5,214	21,146	4,743	1,692	2,732	4,419
23	Other grains and seeds:	acres.. 4,298	1,986	40	4	407	10	131
24	Dry edible beans.....	bushels.. 115,055	42,835	1,349	100	9,917	315	3,070
25	Dry peas.....	acres.. 3,696	256	137	61	147	13	302
26	Dry peas.....	bushels.. 45,066	3,309	1,032	500	1,253	175	4,012
27	Hay and forage:	acres.. 120	7	11	-----	5	7	15
28	Total.....	bushels.. 1,767	145	415	-----	35	22	121
29	All tame or cultivated grasses.....	acres.. 991,757	116,130	40,831	72,489	79,197	23,486	102,774
30	Timothy alone.....	tons.. 1,748,358	204,840	58,643	117,593	180,807	31,598	202,167
31	Timothy and clover mixed.....	acres.. 895,086	103,399	37,853	69,344	67,960	22,785	92,225
32	Clover alone.....	tons.. 1,163,703	127,108	39,244	97,368	99,721	28,302	134,775
33	Alfalfa.....	acres.. 113,469	9,968	8,299	7,642	7,260	2,290	8,735
34	Other tame or cultivated grasses.....	tons.. 147,613	12,642	9,496	10,538	11,324	3,124	12,223
35	Timothy alone.....	acres.. 626,541	84,012	21,482	57,864	57,071	17,408	81,808
36	Timothy and clover mixed.....	tons.. 857,575	103,441	23,053	81,717	84,237	21,640	119,425
37	Clover alone.....	acres.. 5,580	637	261	355	949	95	901
38	Alfalfa.....	tons.. 9,953	1,007	402	517	1,804	174	1,694
39	Other tame or cultivated grasses.....	acres.. 1,765	1,878	28	15	131	2	27
40	Wild, salt, or prairie grasses.....	tons.. 3,914	1,724	54	267	267	4	74
41	Small grains out for hay.....	acres.. 147,731	7,914	7,783	3,468	1,649	2,990	754
42	Annual legumes out for hay.....	tons.. 144,643	8,234	0,239	4,533	2,089	3,360	1,259
43	Silage crops.....	acres.. 12,771	1,518	710	77	525	206	536
44	Corn out for forage.....	tons.. 13,146	2,022	457	98	614	229	559
45	Kafir, sorghum, etc., for forage.....	acres.. 17,234	1,552	339	1,379	1,875	198	1,567
46	Root crops for forage.....	tons.. 32,536	1,095	606	2,565	3,774	404	3,798
47	Vegetables:	acres.. 1,275	34	12	56	101	33	36
48	Potatoes (Irish or white).....	tons.. 1,805	55	21	110	195	84	76
49	Other vegetables.....	acres.. 49,872	7,428	1,362	1,450	7,371	155	5,743
50	Miscellaneous crops:	tons.. 476,161	63,930	15,480	16,300	57,272	2,070	50,935
51	Tobacco.....	acres.. 12,847	1,463	520	156	1,349	60	2,329
52	Maple trees tapped.....	tons.. 51,850	7,297	2,677	981	5,130	422	11,909
53	Maple sugar made.....	acres.. 67	-----	-----	1	2	6	2
54	Maple sirup made.....	tons.. 177	-----	-----	3	4	17	7
55	Vegetables:	acres.. 2,605	736	35	26	14	3	36
56	Potatoes (Irish or white).....	bushels.. 0,930	2,732	158	162	91	40	108
57	Other vegetables.....	acres.. 24,182	1,855	1,928	1,401	1,798	520	2,202
58	Miscellaneous crops:	bushels.. 2,277,387	161,049	130,119	169,298	159,820	58,343	201,557
59	Tobacco.....	acres.. 1,905	53	68	64	402	15	141
60	Maple trees tapped.....	pounds.. 78	-----	-----	-----	-----	-----	-----
61	Maple sugar made.....	number.. 120,210	-----	-----	40	224	-----	125
62	Maple sirup made.....	pounds.. 5,955,513	221,550	141,644	647,961	324,235	119,833	913,764
63	Maple sirup made.....	gallons.. 6,251,734	215,899	15,146	872,417	153,615	101,326	845,211
64	Maple sirup made.....	acres.. 631,924	25,863	40,135	16,412	61,326	10,194	136,124
<b>FRUITS.</b>								
65	Small fruits:							
66	Total.....	acres.. 694	61	25	19	38	-----	18
67	Strawberries.....	quarts.. 749,032	56,017	28,189	25,258	76,464	644	19,959
68	Raspberries.....	acres.. 275	14	8	13	34	-----	8
69	Blackberries and dewberries.....	quarts.. 428,335	20,448	13,562	21,380	37,629	394	11,682
70	Orchard fruits:	acres.. 246	32	14	3	33	-----	6
71	Total.....	quarts.. 177,575	22,652	11,466	2,268	23,138	-----	4,137
72	Apples.....	acres.. 120	10	2	1	15	-----	3
73	Peaches.....	quarts.. 113,210	10,196	1,827	1,019	8,918	100	2,755
74	Pears.....	acres.. 287,058	27,062	70,398	5,882	15,465	348	9,335
75	Plums and prunes.....	trees not of bearing age.. 763,901	99,329	48,703	23,834	50,755	8,855	41,320
76	Cherries.....	bushels harvested.. 974,485	101,069	43,421	29,347	97,737	9,819	52,350
77	Grapes.....	trees not of bearing age.. 254,029	25,057	56,079	5,554	13,783	335	8,805
78	Apples.....	trees of bearing age.. 712,584	60,890	42,033	23,605	50,755	8,810	39,677
79	Peaches.....	bushels harvested.. 960,252	99,418	41,367	20,326	95,775	9,800	51,937
80	Pears.....	trees not of bearing age.. 3,978	10	24	2	8	5	6
81	Plums and prunes.....	trees of bearing age.. 2,915	50	37	13	8	16	100
82	Cherries.....	bushels harvested.. 904	35	5	12	3	15	40
83	Grapes.....	trees not of bearing age.. 8,484	538	3,890	37	809	1	169
84	Apples.....	trees of bearing age.. 14,352	2,916	1,700	13	1,085	-----	407
85	Peaches.....	bushels harvested.. 10,360	2,158	1,250	2	1,835	-----	348
86	Pears.....	trees not of bearing age.. 10,756	749	5,191	213	474	7	258
87	Plums and prunes.....	trees of bearing age.. 19,647	3,136	2,736	179	2,102	29	802
88	Cherries.....	bushels harvested.. 2,062	85	644	76	18	4	20
89	Grapes.....	trees not of bearing age.. 9,811	708	5,214	5	391	-----	97
90	Apples.....	trees of bearing age.. 14,393	2,537	2,197	24	1,855	-----	334
91	Peaches.....	bushels harvested.. 907	23	155	2	106	-----	5
92	Grapes.....	vines not of bearing age.. 2,441	380	721	-----	115	-----	54
		vines of bearing age.. 7,160	1,379	344	66	1,039	-----	137
		pounds harvested.. 99,422	19,156	4,500	2,312	13,453	-----	4,278

AND PRODUCTION OF PRINCIPAL CROPS: 1919.

		Grand Isle.	Lamoille.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.	
VALUE OF ALL CROPS.										
1	Total.....	dollars..	997,648	2,417,426	3,900,872	4,702,893	4,553,325	3,775,815	2,819,405	4,077,322
2	Cereals.....	dollars..	152,849	182,614	384,799	530,256	624,793	355,996	282,595	452,096
3	Other grains and seeds.....	dollars..	140,290	3,640	10,571	8,818	5,577	8,102	16,054	16,856
4	Hay and forage.....	dollars..	497,720	1,496,920	2,423,085	2,888,464	2,730,989	2,400,416	1,303,588	2,304,872
5	Vegetables.....	dollars..	102,797	376,534	645,627	657,810	770,465	634,351	548,876	787,771
6	Fruits.....	dollars..	102,853	48,037	180,412	45,329	185,849	117,165	347,919	269,137
7	All other crops.....	dollars..	1,139	309,681	256,378	572,216	235,652	259,785	280,373	276,790
SELECTED CROPS (acres harvested and production).										
Cereals:										
8	Total.....	acres..	5,141	4,750	8,961	13,042	13,219	8,048	4,906	9,370
9		bushels..	112,811	145,684	285,788	448,766	438,379	266,018	171,927	310,383
10	Corn.....	acres..	509	583	1,872	190	3,709	1,538	2,425	3,302
11		bushels..	19,288	25,097	78,039	8,162	188,555	63,265	104,214	145,073
12	Oats.....	acres..	2,988	3,241	5,237	9,499	7,200	4,054	2,056	4,697
13		bushels..	64,406	103,107	167,275	346,938	210,414	161,464	60,175	139,001
14	Wheat.....	acres..	338	392	721	1,434	903	834	171	624
15		bushels..	8,746	6,826	12,067	28,784	13,256	14,336	2,580	10,578
16	Barley.....	acres..	351	405	614	936	379	741	89	345
17		bushels..	6,454	8,122	12,722	28,264	8,225	20,645	1,786	7,657
18	Rye.....	acres..	16	5	9	16	56	18	29	78
19		bushels..	276	78	154	222	850	304	458	1,065
20	Buckwheat.....	acres..	353	108	467	178	475	182	129	254
21		bushels..	5,985	1,934	10,278	3,529	8,465	3,743	2,477	4,989
22	Mixed crops.....	acres..	301	16	138	789	328	81	7	60
23		bushels..	7,656	490	4,328	32,877	7,343	2,771	237	1,767
Other grains and seeds:										
24	Dry edible beans.....	acres..	1,732	30	153	140	84	100	232	303
25		bushels..	24,180	429	1,788	1,375	900	1,085	2,739	2,854
26	Dry peas.....	acres..	29	1	1	16	-----	14	6	8
27		bushels..	471	21	25	74	-----	292	29	117
Hay and forage:										
28	Total.....	acres..	14,969	40,033	80,575	87,524	101,023	71,131	61,480	94,115
29		tons..	30,003	80,198	149,196	149,263	175,353	142,162	88,476	140,089
30	All tame or cultivated grasses.....	acres..	12,524	41,889	71,275	82,143	88,940	64,866	55,808	84,075
31		tons..	18,634	60,732	93,423	120,272	105,536	93,772	53,949	90,867
32	Timothy alone.....	acres..	718	5,263	9,089	6,710	15,580	11,347	8,966	11,612
33		tons..	1,109	7,159	11,785	9,882	19,678	15,953	8,961	13,789
34	Timothy and clover mixed.....	acres..	11,108	28,036	38,070	72,458	48,838	48,256	16,331	42,899
35		tons..	16,155	42,903	58,875	105,180	60,497	71,413	18,938	50,153
36	Clover alone.....	acres..	215	203	255	496	17	480	257	479
37		tons..	465	290	531	881	20	852	496	775
38	Alfalfa.....	acres..	298	5	63	26	150	42	77	23
39		tons..	709	6	166	116	362	91	209	69
40	Other tame or cultivated grasses.....	acres..	185	8,882	23,798	2,453	24,355	4,761	30,177	29,082
41		tons..	206	10,374	22,066	4,263	24,979	5,403	25,347	26,131
42	Wild, salt, or prairie grasses.....	acres..	-----	442	1,549	1,253	2,621	676	329	2,329
43		tons..	-----	657	1,267	1,657	2,654	875	344	1,712
44	Small grains out for hay.....	acres..	205	1,264	1,457	1,552	1,429	1,117	1,175	1,825
45		tons..	476	2,788	2,864	3,242	2,837	2,090	1,866	3,581
46	Annual legumes out for hay.....	acres..	15	129	212	114	38	161	82	252
47		tons..	15	212	219	103	69	323	66	251
48	Silage crops.....	acres..	1,357	1,952	4,312	1,748	6,136	3,789	2,505	4,529
49		tons..	8,494	20,167	45,838	20,183	58,287	42,584	27,040	45,681
50	Corn out for forage.....	acres..	863	340	618	638	1,820	502	1,142	1,047
51		tons..	2,375	1,538	2,500	3,119	5,832	2,358	2,011	3,686
52	Kafir, sorghum, etc., for forage.....	acres..	-----	7	4	4	22	2	12	5
53		tons..	-----	20	10	10	50	7	33	16
54	Root crops for forage.....	acres..	5	10	1,148	77	17	18	427	53
55		tons..	9	84	3,066	677	88	153	2,267	275
Vegetables:										
56	Potatoes (Irish or white).....	acres..	321	1,334	1,848	2,014	3,222	1,809	1,637	2,293
57		bushels..	26,232	136,678	200,030	210,911	238,663	207,941	146,409	221,537
58	Other vegetables.....	acres..	196	5	179	25	108	74	364	151
Miscellaneous crops:										
59	Tobacco.....	acres..	-----	-----	-----	3	-----	-----	75	-----
60		pounds..	-----	-----	325	1,025	-----	-----	118,256	215
61	Maple trees tapped.....	number..	2,018	526,556	428,462	1,120,037	294,677	441,124	388,205	387,047
62	Maple sugar made.....	pounds..	2,409	853,440	478,284	1,069,559	86,492	617,718	71,055	269,163
63	Maple sirup made.....	gallons..	147	14,632	41,285	15,039	83,190	24,846	86,498	70,233
FRUITS.										
Small fruits:										
64	Total.....	acres..	7	14	88	16	60	64	106	128
65		quarts..	6,890	16,015	138,196	12,839	61,236	66,277	98,620	142,419
66	Strawberries.....	acres..	3	6	46	11	17	30	37	42
67		quarts..	3,385	10,146	109,575	10,354	23,924	43,073	52,266	70,527
68	Raspberries.....	acres..	4	2	23	2	26	17	84	50
69		quarts..	3,078	1,697	11,129	499	20,098	14,441	26,714	36,358
70	Blackberries and dewberries.....	acres..	-----	4	15	1	13	10	16	30
71		quarts..	115	3,684	13,870	1,134	14,172	7,683	15,750	31,987
Orchard fruits:										
72	Total.....	trees not of bearing age..	11,357	4,079	14,920	4,490	41,064	9,672	48,289	24,697
73		trees of bearing age..	33,092	21,260	62,332	22,170	86,365	43,806	148,215	97,915
74		bushels harvested..	55,930	24,505	80,984	23,435	93,934	55,655	177,727	128,512
75	Apples.....	trees not of bearing age..	11,279	3,919	13,520	4,121	38,512	9,103	42,367	21,595
76		trees of bearing age..	29,665	21,072	60,247	21,719	78,883	42,733	140,254	92,471
77		bushels harvested..	55,579	24,497	80,798	23,401	91,093	55,536	175,085	126,640
78	Peaches.....	trees not of bearing age..	-----	-----	18	6	517	2	3,324	56
79		trees of bearing age..	-----	1	112	-----	555	2	1,964	57
80		bushels harvested..	-----	-----	-----	-----	424	-----	306	4
81	Pears.....	trees not of bearing age..	12	23	478	45	728	122	810	822
82		trees of bearing age..	357	37	405	5	2,033	78	2,743	1,673
83		bushels harvested..	265	1	70	-----	1,734	13	1,688	998
84	Plums and prunes.....	trees not of bearing age..	61	100	543	171	991	267	1,954	777
85		trees of bearing age..	2,410	117	874	424	2,269	376	1,822	2,371
86		bushels harvested..	24	4	47	84	85	4	507	631
87	Cherries.....	trees not of bearing age..	5	37	361	147	316	178	834	1,447
88		trees of bearing age..	660	83	694	22	2,645	617	1,432	1,343
89		bushels harvested..	62	3	69	-----	58	102	81	241
90	Grapes.....	vines not of bearing age..	14	11	66	-----	246	42	570	222
91		vines of bearing age..	154	27	229	-----	1,016	93	1,968	708
92		pounds harvested..	1,610	195	2,010	-----	15,858	459	23,121	12,470

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

		THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
MORTGAGE DEBT REPORTS: 1920.								
1	For all farms operated by owners:							
2	Number free from mortgage debt.....	12,132	951	731	1,056	576	341	784
3	Number with mortgage debt.....	12,225	827	342	1,041	966	275	1,002
4	Number with no mortgage report.....	764	70	71	48	87	6	94
5	For farms consisting of owned land only:							
6	Number of farms reporting amount of debt.....	11,504	741	324	1,004	884	263	966
7	Value of land and buildings.....dollars..	61,070,552	5,131,323	1,193,157	5,266,962	6,302,580	1,132,950	8,065,770
8	Amount of mortgage debt.....dollars..	23,575,778	1,790,583	374,476	1,634,912	2,656,500	384,055	3,298,123
	Ratio of debt to value.....per cent..	38.6	35.6	31.4	31.0	42.1	33.9	40.9
	Average rate of interest paid.....per cent..	5.4	5.4	5.4	5.6	5.3	5.5	5.2
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
9	Labor:							
10	Farms reporting.....number..	18,171	1,672	814	1,391	1,395	425	1,605
11	Total expenditure.....dollars..	7,712,305	870,264	417,831	651,240	770,323	158,710	904,853
12	Amount in cash.....dollars..	5,788,588	640,943	343,583	444,026	610,368	124,218	700,272
	Value of rent and board furnished.....dollars..	1,923,717	229,321	74,248	207,214	159,955	34,492	204,581
13	Fertilizer:							
14	Farms reporting.....number..	14,568	901	629	1,087	1,023	304	1,435
15	Amount expended.....dollars..	857,273	68,422	48,256	57,488	91,611	18,841	93,127
16	Feed:							
	Farms reporting.....number..	25,389	1,885	1,127	2,083	1,834	598	2,104
	Amount expended.....dollars..	11,070,656	755,053	391,359	1,295,514	1,002,055	264,767	1,008,575

	Grand Isle.	Lamoille.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
MORTGAGE DEBT REPORTS: 1920.								
1	For all farms operated by owners:							
2	Number free from mortgage debt.....	144	520	1,327	866	1,222	1,081	1,502
3	Number with mortgage debt.....	130	879	1,014	1,475	893	1,204	1,356
4	Number with no mortgage report.....	39	80	66	21	79	39	55
5	For farms consisting of owned land only:							
6	Number of farms reporting amount of debt.....	122	854	959	1,434	818	1,141	1,262
7	Value of land and buildings.....dollars..	779,150	4,552,520	3,554,205	8,816,495	3,880,765	5,151,700	4,502,950
8	Amount of mortgage debt.....dollars..	226,198	1,768,366	1,431,265	4,280,719	1,259,679	1,944,908	1,683,043
	Ratio of debt to value.....per cent..	29.0	38.8	40.3	48.6	32.6	37.8	37.4
	Average rate of interest paid.....per cent..	5.4	5.5	5.4	5.6	5.3	5.5	5.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
9	Labor:							
10	Farms reporting.....number..	357	944	1,608	1,511	1,812	1,489	1,955
11	Total expenditure.....dollars..	142,431	258,518	486,145	537,061	861,708	510,138	645,207
12	Amount in cash.....dollars..	101,736	194,372	367,709	391,809	637,694	330,755	497,490
	Value of rent and board furnished.....dollars..	40,695	64,146	118,436	145,252	224,014	179,383	147,717
13	Fertilizer:							
14	Farms reporting.....number..	225	808	1,341	1,302	1,133	1,510	1,706
15	Amount expended.....dollars..	13,025	46,358	107,634	47,326	65,949	75,189	90,826
16	Feed:							
	Farms reporting.....number..	327	1,449	2,366	2,284	2,284	2,277	2,918
	Amount expended.....dollars..	56,532	591,602	1,108,622	1,053,603	967,632	761,484	1,155,034

# MANUFACTURES—VERMONT.

## 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.**—Vermont has a gross area of 9,564 square miles, of which 9,124 represent land surface. The inhabitants of the state in 1900 numbered 343,641; in 1910, 355,956; and in 1920, 352,428. In total population Vermont ranked forty-fourth among the states in 1920. The number of inhabitants per square mile in 1910 was 39, the corresponding figures for 1920 being 38.6.

In 1920 there were three cities in the state—Barre, Burlington, and Rutland—having more than 10,000 inhabitants. These cities, with a combined population in that year of 47,741, or 13.5 per cent of the total population for Vermont, in 1919 reported 20.6 per cent of the value of the state's manufactured products.

**Importance and growth of manufactures** (Table 1).—The large increases in wages, cost of materials, and value of products, as presented in this table, are largely due to the change in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919. The addition of the Federal income tax since 1914 will account for the 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.

**Principal industries, ranked by value of products** (Table 3).—The ranking of industries by value of products is often misleading as to their real importance from a manufacturing standpoint. Their ranking might 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 26.

**Average number of wage earners for selected industries** (Table 5).—The industries covered by this table are those which employed more than 200 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).—From 1914 to 1919 Barre shows a decrease of 468, or 19.8 per cent, in the total average number of wage earners, while the value of its products shows an increase of 98.1 per cent.

**Wage earners, by months** (Table 7).—The statistics for wage earners presented in this table 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, similar data are given for males and females for all industries combined, and also for the cities of Barre, Burlington, and Rutland. There were a number of industries in the state in 1919 showing a large proportion of female wage earners. Figures are presented in this table for the most important of these industries.

**Prevailing hours of labor** (Table 9).—Since 1914 there has been a marked shortening of the working day in Vermont. In that year 17.1 per cent of the wage earners were included in the group "48 and under," as against 37 per cent in 1919. In 1914 the "60" and "over 60" groups constituted 17.2 per cent of the total wage earners, as compared with 9.8 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, 95.8 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 46.3 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 4.2 per cent of the total manufacturing establishments in the state, but reported 53.7 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 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 several instances to combine the establishments of one group of the industry with those of some other group 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).—The table strikingly illustrates the fact that the number of establishments of itself is no real index of manufacturing activities.

Character of ownership (Table 14).—The preponderance 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 78.4 per cent of the average number of wage earners and 77.3 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corpo-

rations increased 2,908, or 12.5 per cent, and the value of products \$77,160,094, or 146 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 three cities in 1919 represented but 16 per cent of the total in the state. They reported in that year 20.2 per cent of the average number of wage earners and 20.6 per cent of the value of products.

Number and horsepower of types of prime movers (Table 16).—The total horsepower reported in 1919 as compared with that for 1914 shows an increase of 12,458 horsepower, or 7.2 per cent. This increase, however, is wholly due to the gain of 33,482 horsepower, or 118 per cent, in rented power, since the owned power decreased 21,024 horsepower, or 14.6 per cent, during the five-year period.

Fuel consumed (Table 17).—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.

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.....	1,790	1,772	1,958	1,699	1,938	1.0	-9.5	15.2	-12.3
Persons engaged.....	33,845	37,217	38,580	37,015	( <sup>2</sup> )	4.4	-3.5	4.2	.....
Proprietors and firm members.....	1,804	1,787	2,113	1,856	( <sup>2</sup> )	1.0	-15.4	13.8	.....
Salaried employees.....	3,650	2,726	2,679	2,053	1,695	30.2	1.8	30.5	21.1
Wage earners (average number).....	33,491	32,704	33,788	33,106	28,179	2.4	-3.2	2.1	17.5
Primary horsepower.....	185,095	172,637	159,445	140,616	126,124	7.2	8.3	13.4	11.5
Capital.....	\$134,314,391	\$79,840,775	\$73,470,107	\$62,658,741	\$43,499,633	68.2	8.7	17.3	44.0
Salaries and wages.....	41,429,114	22,001,662	20,075,131	17,323,767	13,037,062	88.3	9.6	15.9	32.9
Salaries.....	7,345,179	3,384,587	2,803,429	2,102,708	1,610,514	117.0	20.7	33.3	30.6
Wages.....	34,083,935	18,617,075	17,271,702	15,221,059	11,426,548	83.1	7.8	13.5	33.2
Paid for contract work.....	753,451	1,162,281	591,481	700,763	( <sup>2</sup> )	-35.2	96.5	-15.6	.....
Rent and taxes.....	5,902,928	832,917	509,084	450,721	( <sup>2</sup> )	608.7	63.6	12.9	.....
Cost of materials.....	95,172,681	42,705,720	34,822,728	32,420,852	26,384,812	122.9	22.6	7.4	22.9
Value of products.....	168,108,072	76,990,974	68,309,824	68,088,611	51,515,228	118.3	12.7	8.3	22.5
Value added by manufacture <sup>4</sup> .....	72,935,491	34,285,254	33,487,096	30,653,759	25,130,416	112.7	2.4	9.2	22.0

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

<sup>2</sup> Figures not available.

<sup>3</sup> Exclusive of internal revenue.

<sup>4</sup> Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
		Average number.	Wages.					
The state.....	1,790	33,491	\$34,083,935	\$5,902,928	\$95,172,581	\$168,108,072	\$72,935,491	185,095
Addison.....	109	714	549,009	29,140	2,356,150	3,598,341	1,242,191	4,411
Bennington.....	139	3,701	3,461,437	714,903	8,820,348	10,898,154	8,077,806	14,345
Caledonia.....	155	2,037	2,223,432	126,814	6,072,264	10,671,868	4,599,604	12,509
Chittenden.....	168	4,929	4,584,191	923,814	21,272,568	32,243,105	10,970,537	22,281
Essex.....	24	851	373,608	79,082	750,769	1,668,321	917,552	6,896
Franklin.....	88	2,249	2,477,350	242,975	12,783,559	17,194,422	4,410,863	11,108
Grand Isle.....	5	18	15,738	1,001	177,350	355,325	177,975	132
Lamoille.....	77	597	557,775	41,521	2,039,044	3,430,275	1,397,231	4,950
Orange.....	102	463	363,945	27,260	2,293,760	3,206,169	912,409	4,834
Orleans.....	88	1,374	1,141,562	116,750	4,520,460	7,272,074	2,751,614	6,867
Rutland.....	225	5,266	5,114,156	672,170	5,682,382	14,852,791	9,170,409	21,665
Washington.....	290	3,865	4,651,210	283,179	7,787,823	16,961,064	9,173,241	23,297
Windham.....	170	3,159	3,133,275	336,376	8,530,428	14,624,077	6,094,549	23,829
Windsor.....	160	4,768	5,487,249	2,808,443	12,085,676	25,125,186	13,039,510	27,961

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.....	1,790	33,491	100.0	\$168,108	100.0	\$72,935	100.0	Automobile repairing.....	88	297	0.9	\$1,821	1.1	\$1,147	1.6
Marble and stone work.....	287	5,400	16.1	17,426	10.4	11,280	15.4	Clothing, men's.....	8	404	1.2	1,789	1.1	745	1.0
Woolen and worsted goods.....	18	3,031	9.1	17,426	10.4	6,890	9.4	Confectionery and ice cream.....	25	350	1.0	1,757	1.0	677	0.9
Paper and wood pulp.....	20	1,832	5.5	10,863	6.5	4,299	5.9	Tools, not elsewhere specified.....	7	355	1.1	1,558	0.9	962	1.3
Butter.....	92	203	0.6	10,194	6.1	1,303	1.8	Minerals and earths, ground or otherwise treated.....	10	403	1.2	1,528	0.9	1,188	1.6
Machine tools.....	6	2,024	6.0	9,610	5.7	6,083	8.2	Cheese.....	38	48	0.1	1,483	0.9	143	0.2
Lumber and timber products.....	409	3,020	9.0	8,362	5.0	5,383	7.4	Toys and games.....	6	423	1.3	1,351	0.8	752	1.0
Food preparations, not elsewhere specified.....	30	203	0.6	7,177	4.3	835	1.1	Paper goods, not elsewhere specified.....	4	111	0.3	1,280	0.8	421	0.6
Condensed milk.....	7	267	0.8	6,862	4.1	436	0.6	Wood, turned and carved.....	25	360	1.1	907	0.5	587	0.8
Flour-mill and gristmill products.....	108	169	0.5	6,144	3.6	812	1.1	Printing and publishing, newspapers and periodicals.....	53	280	0.9	895	0.5	674	0.9
Knit goods.....	7	1,105	3.3	5,063	3.0	1,968	2.7	Refrigerators.....	3	203	0.9	825	0.5	469	0.6
Cars and general shop construction and repairs by steam-railroad companies.....	6	1,566	4.7	4,608	2.7	2,340	3.2	Printing and publishing, book and job.....	53	320	1.0	821	0.5	553	0.8
Cotton goods.....	4	1,092	3.3	4,384	2.6	2,257	3.1	Clothing, women's.....	7	348	1.0	797	0.5	488	0.7
Foundry and machine-shop products.	30	1,012	3.0	3,844	2.0	1,946	2.7	Textile machinery and parts.....	14	243	0.7	722	0.4	456	0.6
Furniture, wood, other than rattan and willow.....	16	1,022	3.1	3,242	1.9	1,915	2.6	Agricultural implements.....	10	241	0.7	601	0.4	310	0.4
Lumber, planing-mill products, not including planing mills connected with sawmills.....	35	349	1.0	2,847	1.7	991	1.4	Copper, tin, and sheet-iron work.....	15	111	0.3	570	0.3	265	0.4
Bread and other bakery products.....	71	289	0.9	2,533	1.5	788	1.1	Shirts.....	9	338	1.0	529	0.3	272	0.4
Patent medicines and compounds.....	14	188	0.4	1,949	1.2	1,030	1.4	Canning and preserving, vegetables.....	9	173	0.5	522	0.3	162	0.2
Boxes, wooden packing, except cigar boxes.....	13	570	1.7	1,934	1.1	848	1.2	All other industries <sup>1</sup> .....	233	4,981	14.9	24,375	14.5	10,676	14.6

<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 a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: Brushes; chocolate and cocoa products; dairymen's supplies; leather, tanned, curried, and finished; musical instruments, organs; musical instruments, piano materials; scales and balances; window and door screens; and wool shoddy.

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.		CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.	
					Male.	Female.						Male.	Female.
All classes.....	1919	38,845	32,918	5,927	84.7	15.3	Clerks and other subordinate salaried employees.....	1919	2,089	1,172	917	56.1	43.9
	1914	37,217	32,591	4,626	87.6	12.4		1914	1,757	1,171	586	66.0	33.4
	1909	38,580	33,305	5,275	86.3	13.7		1909	1,704	1,202	502	70.5	29.5
Proprietors and officials.....	1919	3,265	3,133	132	96.0	4.0	Wage earners (average number).....	1919	33,491	28,613	4,878	85.4	14.6
	1914	2,750	2,696	54	97.8	2.2		1914	32,704	28,724	3,980	87.8	12.2
	1909	3,088	3,013	75	97.6	2.4		1909	33,788	29,090	4,698	86.1	13.9
Proprietors and firm members.....	1919	1,804	1,730	74	95.9	4.1	16 years of age and over.....	1919	33,388	28,541	4,847	85.5	14.5
	1914	1,787	1,743	44	97.5	2.5		1914	32,652	28,682	3,970	87.8	12.2
	1909	2,113	2,053	60	97.2	2.8		1909	33,577	28,946	4,631	86.2	13.8
Salaried officers of corporations.....	1919	574	547	27	95.3	4.7	Under 16 years of age.....	1919	103	72	31	69.9	30.1
	1914	338	326	12	97.9	2.1		1914	52	42	10	80.8	19.2
	1909	302	293	9	97.0	3.0		1909	211	144	67	68.2	31.8
Superintendents and managers.....	1919	887	856	31	96.5	3.5							
	1914	636	627	9	98.6	1.4							
	1909	673	667	6	99.1	0.9							

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.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.
			Male.	Fe- male.					Male.	Fe- male.	
All industries.....	1919	33,491	85.3	14.4	0.3	Knit goods.....	1919	1,105	32.2	67.6	0.2
	1914	32,704	87.7	12.1	0.2		1914	963	33.0	63.7	0.3
	1909	33,788	85.7	13.7	0.6	Lumber and timber products.....	1919	3,020	97.8	1.6	0.6
Agricultural implements.....	1919	241	97.9	2.1	.....		1914	3,127	99.9	(?)	(?)
	1914	311	97.4	2.6	.....	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1919	349	100.0	.....	.....
Automobile repairing.....	1919	297	99.3	0.3	0.3		1914	528	99.8	0.2	.....
Boxes, wooden packing, except cigar boxes.	1919	579	87.9	12.1	.....	Marble and stone work.....	1919	5,400	99.7	0.2	0.1
	1914	443	93.5	6.5	.....		1914	9,018	99.9	(?)	0.1
Bread and other bakery products.....	1919	289	77.5	21.1	1.4	Minerals and earths, ground or otherwise treated.	1919	403	99.3	0.7	.....
	1914	357	83.2	15.1	1.7		1914	230	.....	.....	.....
Butter.....	1919	293	96.2	3.8	.....	Paper and wood pulp.....	1919	1,832	94.1	5.6	0.3
	1914	330	97.3	1.5	1.2		1914	1,264	95.2	4.8	.....
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	1,566	99.1	0.9	.....	Printing and publishing, book and job.....	1919	329	67.2	31.3	1.5
	1914	1,345	100.0	.....	.....		1914	297	78.5	21.2	0.3
Clothing, men's.....	1919	404	10.4	89.4	0.2	Printing and publishing, newspapers and periodicals.	1919	286	99.6	28.7	1.7
	1914	462	8.9	91.1	.....		1914	354	70.0	24.0	.....
Clothing, women's.....	1919	348	9.5	90.5	.....	Refrigerators <sup>1</sup> .....	1919	293	95.6	4.1	0.3
	1914	387	8.5	91.5	.....						
Condensed milk.....	1919	267	93.6	6.4	.....	Shirts.....	1919	338	9.5	90.2	0.3
	1914	118	91.5	8.5	.....		1914	526	19.2	80.0	0.3
Confectionery and ice cream.....	1919	350	45.4	54.6	.....	Tools, not elsewhere specified.....	1919	355	96.6	3.1	0.3
	1914	165	46.1	53.9	.....		1914	215	90.7	9.3	.....
Cotton goods.....	1919	1,092	56.0	42.8	1.2	Toys and games.....	1919	423	80.4	18.7	0.9
	1914	992	60.9	38.5	0.6		1914	160	63.1	31.9	.....
Food preparations, not elsewhere specified.	1919	203	94.6	5.4	.....	Wood, turned and carved.....	1919	366	84.2	15.8	.....
	1914	141	89.4	10.6	.....		1914	301	94.5	5.0	0.5
Foundry and machine-shop products <sup>1</sup> .....	1919	3,279	95.7	4.3	.....	Woolen and worsted goods.....	1919	3,031	74.9	24.9	0.2
	1914	1,752	98.9	1.1	.....		1914	2,226	71.5	28.5	(?)
Furniture, wood, other than rattan and willow.	1919	1,022	93.2	5.9	1.0	All other industries.....	1919	5,731	85.6	14.1	0.3
	1914	1,035	97.3	2.2	0.5		1914	5,597	89.2	10.5	0.2

<sup>1</sup> Includes "machine tools" and "textile machinery and parts."<sup>2</sup> Less than one-tenth of 1 per cent.<sup>3</sup> Not shown separately in 1914.

TABLE 6.—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.

	Census year.	Barre.	Burlington.	Rutland.
Wage earners (average number).....	1919	1,898	2,913	1,955
	1914	2,366	2,132	1,771
	1909	2,340	2,371	1,636
16 years of age and over:				
Male.....	1919	1,859	1,996	1,714
	1914	2,355	1,452	1,531
	1909	2,325	1,601	1,245
Female.....	1919	38	902	241
	1914	9	678	231
	1909	3	740	390
Under 16 years of age.....	1919	1	15	.....
	1914	2	2	9
	1909	12	30	1
Value of products.....	1919	\$3,499,931	\$19,489,386	\$6,668,955
	1914	4,291,600	6,636,956	3,276,709
	1909	3,852,177	6,800,490	2,679,528

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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.....	31,239	33,288	33,013	85.4	97.4	95.2	July.....	33,385	31,792	32,875	91.2	93.0	94.8
February.....	<b>31,136</b>	33,273	33,710	85.1	97.3	97.2	August.....	34,272	<b>31,213</b>	33,359	93.7	91.3	96.2
March.....	31,419	34,155	34,257	85.9	99.9	98.8	September.....	34,649	32,208	34,098	94.7	94.2	98.3
April.....	31,757	<b>34,194</b>	34,288	86.8	100.0	98.9	October.....	35,621	31,615	34,392	97.4	92.5	99.2
May.....	32,638	34,125	34,317	89.2	99.8	99.0	November.....	36,003	31,571	34,677	98.4	92.3	100.0
June.....	33,184	33,254	34,134	90.7	97.3	98.4	December.....	36,590	31,760	<b>32,342</b>	100.0	92.9	93.3

<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.....	33,491	31,239	<b>31,136</b>	31,419	31,757	32,638	33,184	33,385	34,272	34,649	35,621	36,003	<b>36,590</b>	85.1
Males.....	28,613	26,906	<b>26,863</b>	27,044	27,259	27,932	28,359	28,377	28,955	29,482	30,290	30,642	<b>31,147</b>	86.2
Females.....	4,878	4,273	<b>4,272</b>	4,375	4,498	4,706	4,825	5,008	5,277	5,167	5,331	5,361	<b>5,443</b>	78.5
Agricultural implements.....	241	251	254	255	246	232	229	220	234	240	247	243	235	88.0
Automobile repairing.....	207	233	240	254	201	319	335	345	344	338	300	288	277	67.5
Boxes, wooden packing, except cigar boxes.....	579	628	632	693	542	562	534	568	529	565	582	604	600	83.7
Bread and other bakery products.....	289	280	283	280	282	284	293	298	294	296	295	291	292	94.0
Butter.....	293	253	<b>252</b>	256	275	304	334	343	325	311	298	289	277	73.5
Cars and general shop construction and repairs by steam-railroad companies.....	1,566	1,570	1,558	1,570	1,547	1,542	1,541	1,531	1,560	1,569	1,608	1,593	1,598	95.2
Clothing, men's.....	404	389	391	401	397	386	385	386	391	402	423	438	459	83.9
Clothing, women's.....	348	285	280	275	288	375	376	402	387	302	387	380	379	68.4
Condensed milk.....	267	196	206	277	314	344	344	314	288	245	235	191	190	55.2
Confectionery and ice cream.....	350	373	369	362	325	327	340	374	381	369	339	317	324	83.2
Cotton goods.....	1,092	1,101	1,104	1,091	1,068	1,065	1,052	1,074	1,101	1,115	1,104	1,119	1,110	94.0
Food preparations, not elsewhere specified.....	203	218	204	193	212	229	248	209	195	193	182	182	171	69.0
Foundry and machine-shop products.....	1,012	1,005	934	913	904	886	951	1,005	1,032	1,030	1,099	1,135	1,197	74.0
Furniture, wood, other than rattan and willow.....	1,022	878	924	965	887	905	977	1,078	1,081	1,082	1,187	1,176	1,174	74.7
Knit goods.....	1,105	1,113	1,122	1,144	1,099	1,109	1,159	1,163	1,198	<b>949</b>	1,033	1,063	1,108	79.3
Lumber and timber products.....	3,020	3,328	3,438	3,275	3,077	3,127	2,979	<b>2,895</b>	2,428	2,628	2,955	3,242	3,468	66.2
Lumber, planing-mill products, not including planing mills connected with sawmills.....	349	<b>288</b>	295	341	350	365	365	386	382	373	351	346	340	74.6
Machine tools.....	2,024	1,899	1,970	1,919	1,897	1,898	2,006	2,042	2,071	2,014	2,130	2,147	2,205	80.0
Marble and stone work.....	5,400	<b>4,965</b>	5,025	5,061	5,147	5,300	5,472	5,628	5,460	5,493	5,656	5,793	5,791	85.7
Minerals and earths, ground or otherwise treated.....	403	383	<b>321</b>	327	347	361	369	390	423	454	424	513	524	61.3
Paper and wood pulp.....	1,832	1,717	1,690	1,675	<b>1,671</b>	1,754	1,845	1,967	1,849	1,928	1,964	1,952	1,972	84.7
Printing and publishing, book and job.....	320	324	329	323	324	<b>320</b>	322	322	332	333	340	336	343	93.3
Printing and publishing, newspapers and periodicals.....	286	283	<b>280</b>	282	284	287	287	285	288	290	287	288	291	96.2
Refrigerators.....	293	316	316	318	306	284	<b>282</b>	281	282	280	281	289	301	82.4
Shirts.....	338	270	<b>263</b>	305	302	303	328	377	386	307	376	378	411	61.6
Textile machinery and parts.....	243	<b>222</b>	227	232	232	237	241	255	<b>264</b>	260	244	247	255	84.1
Tools, not elsewhere specified.....	355	348	354	368	340	<b>344</b>	346	349	343	345	370	364	378	91.0
Toys and games.....	423	<b>314</b>	328	360	367	407	414	444	457	459	455	527	544	57.7
Wood, turned and carved.....	366	<b>320</b>	328	344	359	366	382	369	369	371	380	392	400	81.5
Woolen and worsted goods.....	3,031	<b>1,819</b>	1,930	2,335	2,848	3,107	3,060	3,151	3,326	3,508	3,699	3,772	3,817	47.7
All other industries.....	5,731	<b>5,574</b>	5,238	<b>5,185</b>	5,223	5,300	5,408	5,528	5,267	5,430	5,434	5,101	5,144	79.7
Industries showing large proportion of females.														
Boxes, wooden packing, except cigar boxes.....	70	65	<b>62</b>	68	68	66	74	71	68	76	78	73	71	79.5
Bread and other bakery products.....	61	61	61	61	60	62	63	62	60	60	61	60	61	95.2
Clothing, men's.....	362	350	352	359	355	345	<b>342</b>	345	349	360	379	394	414	82.6
Clothing, women's.....	315	253	248	<b>243</b>	256	340	342	367	351	329	364	346	351	66.2
Confectionery and ice cream.....	191	206	204	200	185	183	192	206	210	195	174	163	174	77.6
Cotton goods.....	469	483	479	479	462	463	<b>454</b>	460	<b>454</b>	473	467	481	473	94.0
Furniture, wood, other than rattan and willow.....	62	48	<b>46</b>	47	48	52	58	59	59	70	82	77	98	46.9
Knit goods.....	749	740	754	771	740	750	785	795	816	848	795	731	753	79.4
Machine tools.....	129	175	163	149	137	133	122	117	120	116	112	104	100	57.1
Paper and wood pulp.....	105	82	<b>79</b>	77	87	107	121	124	137	108	114	110	117	55.5
Printing and publishing, book and job.....	103	100	102	101	100	101	100	100	105	104	109	106	108	91.7
Printing and publishing, newspapers and periodicals.....	82	83	82	83	82	<b>84</b>	81	82	81	82	81	79	84	94.0
Shirts.....	306	230	<b>222</b>	274	271	272	296	345	354	333	344	345	377	58.9
Toys and games.....	81	<b>65</b>	57	61	64	69	71	89	98	97	85	114	114	46.5
Woolen and worsted goods.....	761	<b>400</b>	466	507	671	750	755	779	832	915	982	1,021	994	45.1
Total for cities.....	6,766	6,548	6,470	6,468	6,385	6,555	6,557	6,884	6,983	6,985	7,035	7,149	7,168	89.1
Males.....	5,580	5,494	5,400	5,366	5,302	5,362	5,383	5,649	5,734	5,730	5,798	5,870	5,872	90.3
Females.....	1,186	<b>1,054</b>	1,070	1,102	1,083	1,193	1,174	1,235	1,254	1,255	1,237	1,279	1,296	81.3
BARRE.....	1,898	1,803	<b>1,761</b>	1,774	1,777	1,814	1,860	1,932	1,988	2,001	2,015	2,036	2,015	86.5
Males.....	1,800	1,705	<b>1,723</b>	1,736	1,739	1,776	1,822	1,894	1,950	1,962	1,977	1,998	1,978	86.2
Females.....	38	38	38	38	38	38	38	38	38	39	38	38	37	94.9
BURLINGTON.....	2,913	2,942	2,921	2,902	2,819	2,843	<b>2,800</b>	2,951	2,985	2,944	2,929	2,945	2,975	93.8
Males.....	2,006	2,031	2,034	2,027	1,927	1,930	<b>1,901</b>	2,020	2,054	2,022	2,048	2,065	2,093	90.8
Females.....	907	911	927	915	892	913	899	931	931	922	881	880	882	94.5
RUTLAND.....	1,955	1,803	<b>1,788</b>	1,792	1,789	1,898	1,897	2,001	2,015	2,040	2,091	2,168	2,178	82.1
Males.....	1,714	1,698	<b>1,683</b>	1,643	1,656	1,759	1,759	1,735	1,730	1,746	1,773	1,807	1,801	90.5
Females.....	241	105	<b>105</b>	149	133	242	237	266	285	294	318	361	377	27.9

## MANUFACTURES—VERMONT.

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 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	33,491	2,926	301	9,163	8,945	9,227	4,659	2,481	789
	1914	32,704	( <sup>2</sup> )	( <sup>2</sup> )	5,579	4,727	6,452	10,314	5,077	555
	1909	33,788	( <sup>2</sup> )	( <sup>2</sup> )	4,898	1,080	4,000	11,302	11,879	629
Agricultural implements.....	1919	241				84	115	41	1	
	1914	311					52	219	40	
Automobile repairing.....	1919	297	13		3	13	145	14	102	7
Boxes, wooden packing, except cigar boxes.....	1919	579					358	60	161	
	1914	443	( <sup>2</sup> )	( <sup>2</sup> )	1		140	215	87	
Bread and other bakery products.....	1919	289	9		40	3	135	47	41	14
	1914	357	( <sup>2</sup> )	( <sup>2</sup> )	44		120	31	127	35
Butter.....	1919	293	5		34	15	94	20	34	91
	1914	330	( <sup>2</sup> )	( <sup>2</sup> )	9	5	42	35	105	134
Cars and general shop construction and repairs by steam-railroad companies.....	1919	1,508	5		1,500				1	
	1914	1,345				261	341	743		
Clothing, men's.....	1919	404	208			174	22			
	1914	462	( <sup>2</sup> )	( <sup>2</sup> )	174	38		250		
Clothing, women's.....	1919	348			138	210				
	1914	387					113	254	20	
Condensed milk.....	1919	267						91	63	113
	1914	118							87	31
Confectionery and ice cream.....	1919	350			28	209	5	79	6	23
	1914	165					36	52	73	4
Cotton goods.....	1919	1,092			147	692		253		
	1914	992						992		
Food preparations, not elsewhere specified.....	1919	203				84	35	30	54	
	1914	141					32	21	88	
Foundry and machine-shop products <sup>1</sup> .....	1919	3,279			1,745	202	595	728	9	
	1914	1,752	( <sup>2</sup> )	( <sup>2</sup> )	319	706	302	375	50	
Furniture, wood, other than rattan and willow.....	1919	1,022			12	176	341	281	74	138
	1914	1,035					43	669	323	
Knit goods.....	1919	1,105		168	56	340		541		
	1914	963						702	261	
Lumber and timber products.....	1919	3,020	4	3	33	138	1,605	349	888	
	1914	2,127	( <sup>2</sup> )	( <sup>2</sup> )	19	15	508	802	1,783	
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	349	17		3	25	290		14	
	1914	528	( <sup>2</sup> )	( <sup>2</sup> )	12	1	236	120	159	
Marble and stone work.....	1919	5,400	2,605	118	229	341	2,055	50	2	
	1914	9,018	( <sup>2</sup> )	( <sup>2</sup> )	4,379	2,964	925	577	173	
Minerals and earths, ground or otherwise treated.....	1919	403					96	69	238	
	1914	230					5		100	125
Paper and wood pulp.....	1919	1,832			1,313		171	11	241	96
	1914	1,264	( <sup>2</sup> )	( <sup>2</sup> )	211	626	123	136	40	128
Printing and publishing, book and job.....	1919	329	2	2	256	45	18	6		
	1914	297	( <sup>2</sup> )	( <sup>2</sup> )	71	2	210	8	6	
Printing and publishing, newspapers and periodicals.....	1919	286	8	6	153	52	64		3	
	1914	354	( <sup>2</sup> )	( <sup>2</sup> )	102	29	187	23	13	
Refrigerators <sup>4</sup> .....	1919	293				72	221			
Shirts.....	1919	338				209	129			
	1914	526					526			
Tools, not elsewhere specified.....	1919	355	7		32	8	125	183		
	1914	215				39	8	168		
Toys and games.....	1919	423				26	14	383		
	1914	160						160		
Wood, turned and carved.....	1919	366					259	92	15	
	1914	361					5	113	236	7
Woolen and worsted goods.....	1919	3,031			2,319	196	121	312	83	
	1914	2,226					122	1,823	281	
All other industries.....	1919	5,731	43	4	1,062	631	2,214	1,019	451	307
	1914	5,597	( <sup>2</sup> )	( <sup>2</sup> )	238	41	2,376	1,826	1,025	91
Total for cities.....	1919	6,766	1,579	121	1,715	1,420	1,586	162	139	44
	1914	6,289	( <sup>2</sup> )	( <sup>2</sup> )	2,446	101	1,846	1,242	585	49
BARRE.....	1919	1,898	1,528	118	173	33	37	9		
	1914	2,366	( <sup>2</sup> )	( <sup>2</sup> )	2,260	39	66		1	
BURLINGTON.....	1919	2,913	51	2	385	1,285	929	124	118	19
	1914	2,132	( <sup>2</sup> )	( <sup>2</sup> )	131	62	467	1,008	444	20
RUTLAND.....	1919	1,955		1	1,157	102	620	29	21	25
	1914	1,771	( <sup>2</sup> )	( <sup>2</sup> )	55		1,313	234	140	29

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.<sup>3</sup> Includes "machine tools" and "textile machinery and parts."<sup>4</sup> Not shown separately in 1914.



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**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.	
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries.....	1,790	33,491	186	945	1,989	363	4,097	156	4,848	65	4,561	57	8,498	9	3,253	9	6,246
Agricultural implements.....	10	241	—	2	2	2	23	5	162	1	54	—	—	—	—	—	—
Automobile repairing.....	88	297	8	64	144	16	153	—	—	—	—	—	—	—	—	—	—
Boxes, wooden packing, except cigar boxes.....	13	579	2	2	5	3	42	2	71	2	132	2	329	—	—	—	—
Bread and other bakery products.....	71	280	8	48	125	14	139	1	25	—	—	—	—	—	—	—	—
Butter.....	92	293	5	76	149	9	93	2	51	—	—	—	—	—	—	—	—
Cars and general shop construction and repairs by steam-railroad companies.....	6	1,566	—	2	6	—	—	1	32	—	—	—	—	2	635	1	893
Clothing, men's.....	8	404	—	—	—	1	14	4	131	2	147	1	112	—	—	—	—
Clothing, women's.....	7	348	—	1	3	—	—	2	76	4	269	—	—	—	—	—	—
Condensed milk.....	7	297	—	2	4	1	11	1	21	2	118	1	113	—	—	—	—
Confectionery and ice cream.....	25	350	6	13	26	4	42	—	—	1	73	1	209	—	—	—	—
Cotton goods.....	4	1,092	—	—	—	—	—	—	—	—	—	2	357	2	735	—	—
Food preparations, not elsewhere specified.....	30	203	5	18	15	5	66	1	47	1	75	—	—	—	—	—	—
Foundry and machine-shop products.....	30	1,012	3	7	18	8	126	5	147	4	269	3	422	—	—	—	—
Furniture, wood, other than rattan and willow.....	16	1,022	1	5	11	2	17	1	44	1	74	6	876	—	—	—	—
Knit goods.....	7	1,105	—	—	—	—	—	—	—	3	219	3	447	1	439	—	—
Lumber and timber products.....	409	3,020	10	269	620	103	1,056	20	593	4	288	3	463	—	—	—	—
Lumber, planing-mill products, not including planing mills connected with sawmills.....	35	349	7	17	25	6	74	4	106	—	—	1	144	—	—	—	—
Machine tools.....	6	2,024	—	1	3	—	—	—	—	1	68	1	139	—	—	3	1,814
Marble and stone work.....	287	5,400	34	92	198	87	1,084	53	1,624	12	785	7	932	1	266	1	511
Minerals and earths, ground or otherwise treated.....	10	403	—	—	—	4	49	3	80	2	134	1	140	—	—	—	—
Paper and wood pulp.....	20	1,832	—	—	—	4	56	6	167	5	374	4	595	—	—	1	640
Printing and publishing, book and job.....	53	329	18	25	62	4	37	5	187	1	53	—	—	—	—	—	—
Printing and publishing, newspapers and periodicals.....	53	286	9	27	81	15	142	2	63	—	—	—	—	—	—	—	—
Refrigerators.....	3	293	—	—	—	—	—	—	—	2	156	1	137	—	—	—	—
Shirts.....	9	338	1	2	6	3	47	1	43	—	—	2	242	—	—	—	—
Textile machinery and parts.....	14	243	—	1	1	10	104	2	53	1	85	—	—	—	—	—	—
Tools, not elsewhere specified.....	7	355	—	1	5	2	15	1	32	1	79	2	224	—	—	—	—
Toys and games.....	6	423	1	—	—	1	14	2	60	—	—	2	349	—	—	—	—
Wood, turned and carved.....	25	366	—	13	36	8	86	1	27	1	72	1	145	—	—	—	—
Woolen and worsted goods.....	18	3,031	1	—	—	1	8	2	92	6	481	5	709	2	778	1	963
All other industries.....	421	5,731	66	257	454	50	599	29	914	8	525	8	1,414	1	400	2	1,425
Total for cities.....	287*	6,766	31	95	236	85	985	50	1,542	14	992	8	1,201	3	1,232	1	578
BARRE.....	132	1,898	17	37	84	44	543	29	857	3	191	2	223	—	—	—	—
BURLINGTON.....	91	2,913	9	32	98	25	272	12	384	6	431	5	846	2	882	—	—
RUTLAND.....	64	1,955	5	26	64	16	170	9	301	5	370	1	132	1	350	1	578

**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.....	1,790	1,772	1,958	33,491	32,704	33,788	\$168,108,072	\$76,990,974	\$68,309,824	\$72,935,491	\$34,285,254	\$33,487,096
Less than \$5,000.....	410	527	600	313	730	1,100	993,625	1,287,368	1,693,585	631,734	827,200	1,089,581
\$5,000 to \$20,000.....	568	620	644	1,926	3,311	3,844	6,132,192	6,571,006	6,076,450	3,480,519	3,529,041	3,723,572
\$20,000 to \$100,000.....	541	472	403	6,271	7,924	9,491	24,818,115	20,238,946	20,340,258	11,609,388	8,741,878	9,653,436
\$100,000 to \$500,000.....	207	131	—	8,929	—	—	43,880,269	26,292,587	—	18,250,989	—	—
\$500,000 to \$1,000,000.....	47	15	127	5,740	15,045	14,466	30,890,467	11,630,947	32,104,250	14,092,077	16,072,472	14,813,124
\$1,000,000 and over.....	27	7	4	10,312	5,604	4,887	61,414,404	10,970,120	7,195,281	24,870,784	5,115,163	4,201,383
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.....	22.9	29.7	35.2	0.9	2.2	3.3	0.6	1.7	2.5	0.9	2.4	3.3
\$5,000 to \$20,000.....	31.2	35.0	32.9	5.8	10.1	11.4	3.6	8.5	10.2	4.8	10.3	11.1
\$20,000 to \$100,000.....	30.2	26.6	25.2	18.7	24.2	28.1	14.8	26.3	29.8	15.9	25.5	28.8
\$100,000 to \$500,000.....	11.6	7.4	—	26.7	—	—	26.1	34.1	—	25.0	—	—
\$500,000 to \$1,000,000.....	2.6	0.8	6.5	17.1	46.0	42.8	18.4	15.1	47.0	19.3	46.9	44.2
\$1,000,000 and over.....	1.5	0.4	0.2	30.8	17.4	14.5	36.5	14.2	10.5	34.1	14.9	12.5

## MANUFACTURES—VERMONT.

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.			
			Per cent distribution.				Per cent distribution.				Per cent distribution.				Per cent distribution.	
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914
<b>BREAD AND OTHER BAKERY PRODUCTS.</b>	71	85	100.0	100.0	289	357	100.0	100.0	\$2,532,919	\$1,402,663	100.0	100.0	\$787,552	\$589,941	100.0	100.0
Less than \$5,000.	9	17	12.7	20.0	11	12	3.8	3.4	25,418	50,494	1.1	3.6	9,415	21,313	1.2	3.6
\$5,000 to \$20,000.	29	53	40.8	62.4	48	145	16.6	40.6	314,473	501,184	12.4	35.7	107,051	236,423	13.6	40.1
\$20,000 to \$100,000.	27	12	38.0	14.1	133	104	46.0	29.1	1,041,046	359,302	41.1	25.6	297,738	127,743	37.8	21.7
\$100,000 to \$500,000.	6	3	8.5	3.5	97	96	33.6	26.9	1,148,982	491,683	45.4	35.1	373,353	204,462	47.4	34.7
<b>BUTTER.</b>	92	143	100.0	100.0	293	330	100.0	100.0	10,194,160	6,917,182	100.0	100.0	1,303,315	475,378	100.0	100.0
Less than \$5,000.	8	3	8.7	2.1	6	22	2.0	6.7	98,747	10,099	1.0	0.1	16,516	459	1.3	0.1
\$5,000 to \$20,000.	50	103	54.3	72.0	78	215	26.8	65.2	2,617,660	4,705,141	25.7	68.0	322,222	393,233	24.7	82.7
\$20,000 to \$100,000.	31	14	33.7	9.8	146	91	49.8	27.6	5,086,484	1,913,040	55.8	27.7	597,418	62,473	45.8	11.0
\$100,000 to \$500,000.	3	3	3.3	—	63	—	21.5	—	1,791,269	—	17.6	—	367,159	—	28.2	—
<b>CONDENSED MILK.</b>	7	3	100.0	100.0	267	118	100.0	100.0	6,861,556	1,380,283	100.0	100.0	435,827	201,800	100.0	100.0
\$100,000 to \$500,000.	3	13	42.9	100.0	15	118	5.6	100.0	747,895	1,380,283	10.9	100.0	36,031	201,800	8.3	100.0
\$500,000 and over.	4	—	57.1	—	252	—	94.4	—	6,113,661	—	89.1	—	399,796	—	91.7	—
<b>FLOUR-MILL AND GRISTMILL PRODUCTS.</b>	108	125	100.0	100.0	169	179	100.0	100.0	6,143,940	4,142,854	100.0	100.0	811,044	483,804	100.0	100.0
Less than \$5,000.	3	5	2.8	4.0	1	3	0.6	1.7	9,848	14,132	0.2	0.3	2,931	2,973	0.4	0.6
\$5,000 to \$20,000.	31	64	28.7	51.2	16	56	9.5	31.3	404,149	776,566	6.6	18.7	65,662	129,686	8.1	26.8
\$20,000 to \$100,000.	59	51	54.6	40.8	92	86	54.4	48.0	2,719,158	1,998,566	44.3	48.2	486,912	292,633	60.0	60.5
\$100,000 to \$500,000.	15	15	13.9	4.0	60	34	35.5	19.0	3,010,785	2,135,590	49.0	32.7	256,139	58,562	31.6	12.1
<b>FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED.</b>	30	11	100.0	100.0	203	141	100.0	100.0	7,176,614	3,497,741	100.0	100.0	834,705	476,938	100.0	100.0
Less than \$20,000.	18	8	60.0	45.5	4	10	2.0	7.1	36,348	74,973	0.5	2.1	24,676	12,469	3.0	2.6
\$20,000 to \$100,000.	5	—	16.7	—	11	—	5.4	—	198,592	—	2.8	—	44,417	—	5.3	—
\$100,000 and over.	7	6	23.3	54.5	188	131	92.6	92.9	6,941,674	3,422,768	96.7	97.9	765,702	464,479	91.7	97.4
<b>FOUNDRY AND MACHINE-SHOP PRODUCTS.</b>	50	34	100.0	100.0	3,279	1,752	100.0	100.0	13,675,521	3,208,975	100.0	100.0	9,083,151	2,232,401	100.0	100.0
Less than \$5,000.	5	8	10.0	23.5	3	22	0.1	1.3	14,061	26,863	0.1	0.8	7,379	20,863	0.1	0.9
\$5,000 to \$20,000.	10	10	20.0	29.4	46	96	1.4	5.5	139,668	140,887	1.0	4.4	82,071	94,944	0.9	4.3
\$20,000 to \$100,000.	19	8	38.0	23.5	309	214	9.4	12.2	811,551	366,056	5.9	11.4	486,437	238,530	5.4	10.7
\$100,000 and over.	16	8	32.0	23.5	2,921	1,420	89.1	81.0	12,710,241	2,676,169	92.9	83.4	8,506,664	1,878,064	93.7	84.1
<b>FURNITURE, WOOD, OTHER THAN RATTAN AND WILLOW.</b>	16	15	100.0	100.0	1,022	1,035	100.0	100.0	3,242,332	1,642,789	100.0	100.0	1,915,397	889,054	100.0	100.0
Less than \$5,000.	4	3	25.0	20.0	2	9	0.2	0.9	13,236	9,842	0.4	0.6	7,804	6,627	0.4	0.7
\$5,000 to \$100,000.	4	7	25.0	46.7	25	208	2.4	20.1	59,580	417,799	1.8	25.4	41,544	221,033	2.2	24.9
\$100,000 to \$500,000.	5	5	31.2	33.3	569	818	55.7	79.0	1,489,066	1,215,148	45.9	74.0	937,908	660,744	49.0	74.3
\$500,000 to \$1,000,000.	3	—	18.8	—	426	—	41.7	—	1,679,850	—	51.8	—	928,081	—	48.4	—
<b>LUMBER AND TIMBER PRODUCTS.</b>	409	443	100.0	100.0	3,020	3,127	100.0	100.0	8,361,641	5,913,323	100.0	100.0	5,387,982	3,869,783	100.0	100.0
Less than \$5,000.	110	198	26.9	44.7	126	319	4.2	10.2	284,175	480,201	3.4	8.1	185,580	320,654	3.4	8.3
\$5,000 to \$20,000.	202	187	49.4	42.2	832	1,168	27.5	37.4	2,214,536	1,875,580	26.5	31.7	1,406,433	1,202,371	26.1	31.1
\$20,000 to \$100,000.	88	52	21.5	11.7	1,241	1,236	41.1	39.5	3,322,095	1,967,626	39.7	33.3	2,108,739	1,331,741	39.1	34.4
\$100,000 and over.	9	6	2.2	1.4	821	404	27.2	12.9	2,540,235	1,589,916	30.4	26.9	1,687,230	1,015,017	31.3	26.2
<b>LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS.</b>	35	50	100.0	100.0	349	528	100.0	100.0	2,846,073	1,955,654	100.0	100.0	991,191	532,249	100.0	100.0
Less than \$5,000.	13	13	37.1	26.0	8	17	2.3	3.2	29,045	32,421	1.0	1.7	17,913	18,148	1.8	3.4
\$5,000 to \$20,000.	9	27	25.7	54.0	12	139	3.4	26.3	74,870	278,510	2.6	14.2	41,785	137,156	4.2	25.8
\$20,000 to \$100,000.	7	6	20.0	12.0	82	136	23.5	25.8	284,760	268,142	10.0	13.7	142,351	126,946	14.4	23.9
\$100,000 and over.	6	4	17.1	8.0	247	236	70.8	44.7	2,467,398	1,376,572	86.3	70.4	789,142	249,999	79.6	47.0
<b>MARBLE AND STONE WORK.</b>	287	276	100.0	100.0	5,400	9,018	100.0	100.0	17,426,011	12,605,417	100.0	100.0	11,260,170	8,921,913	100.0	100.0
Less than \$5,000.	51	53	17.8	21.0	27	90	0.5	1.0	136,348	157,096	0.8	1.2	88,298	106,429	0.8	1.2
\$5,000 to \$20,000.	77	97	26.8	35.1	264	775	4.9	8.6	901,175	1,113,332	5.2	8.8	609,560	788,350	5.4	8.8
\$20,000 to \$100,000.	112	105	39.0	38.0	1,933	2,961	35.8	32.8	5,612,230	4,387,950	32.2	34.8	3,857,517	2,965,325	34.3	33.2
\$100,000 and over.	47	16	16.4	5.8	3,176	5,192	58.8	57.6	10,776,258	6,946,439	61.8	55.1	6,704,795	5,001,409	59.5	56.7
<b>PAPER AND WOOD PULP.</b>	20	23	100.0	100.0	1,832	1,264	100.0	100.0	10,862,858	4,776,387	100.0	100.0	4,298,558	1,772,022	100.0	100.0
\$20,000 to \$100,000.	5	11	25.0	47.8	80	175	4.4	13.8	390,904	463,167	3.6	9.7	172,730	154,148	4.0	8.7
\$100,000 to \$500,000.	6	9	30.0	39.1	204	1,089	11.1	86.2	1,379,548	1,952,865	12.7	40.9	414,189	1,617,874	9.6	91.3
\$500,000 and over.	9	3	45.0	13.0	1,548	—	84.5	—	9,092,346	2,360,355	83.7	49.4	3,711,639	—	86.3	—

1 Includes the group "\$500,000 and over."

2 Includes the group "\$500,000 to \$1,000,000."

3 Includes the group "\$20,000 to \$100,000."

4 Includes "machine tools" and "textile machinery and parts."

5 Includes the group "\$5,000 to \$20,000."

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.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
<b>BARRE.....</b>	<b>132</b>	<b>1,898</b>	<b>100.0</b>	<b>\$8,499,931</b>	<b>100.0</b>	<b>\$5,297,712</b>	<b>100.0</b>
Less than \$5,000.....	23	8	0.4	58,004	0.7	36,383	0.7
\$5,000 to \$20,000.....	24	73	3.8	249,580	2.9	187,660	3.2
\$20,000 to \$100,000.....	50	747	39.4	2,989,006	35.2	1,909,997	36.1
\$100,000 to \$500,000.....	23	768	40.5	3,406,191	40.1	2,146,749	40.5
\$500,000 to \$1,000,000.....	3	302	15.9	1,797,141	21.1	1,036,923	19.6
<b>BURLINGTON.....</b>	<b>91</b>	<b>2,913</b>	<b>100.0</b>	<b>19,489,386</b>	<b>100.0</b>	<b>7,374,367</b>	<b>100.0</b>
Less than \$5,000.....	15	14	0.5	31,731	0.2	21,407	0.3
\$5,000 to \$20,000.....	17	52	1.8	186,511	1.0	97,137	1.3
\$20,000 to \$100,000.....	32	350	12.0	1,425,533	7.3	650,309	8.8
\$100,000 to \$500,000.....	19	694	23.8	4,210,324	21.6	1,678,031	22.7
\$500,000 to \$1,000,000.....	3	587	20.2	2,125,366	10.9	861,381	11.7
\$1,000,000 and over.....	5	1,216	41.7	11,509,871	59.1	4,068,102	55.2
<b>RUTLAND.....</b>	<b>64</b>	<b>1,955</b>	<b>100.0</b>	<b>6,668,955</b>	<b>100.0</b>	<b>3,993,448</b>	<b>100.0</b>
Less than \$5,000.....	0	6	0.3	27,040	0.4	16,695	0.4
\$5,000 to \$20,000.....	19	96	4.9	251,152	3.8	141,367	3.5
\$20,000 to \$100,000.....	10	205	13.6	820,942	12.3	405,004	10.1
\$100,000 and over.....	17	1,588	81.2	5,569,821	83.5	3,430,382	85.9

TABLE 14.—CHARACTER OF OWNERSHIP FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		Indi-vid-u-als.	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-u-als.	Cor-pora-tions.	All oth-ers.	Indi-vid-u-als.	Cor-pora-tions.	All oth-ers.		Indi-vid-u-als.	Cor-pora-tions.	All oth-ers.	Indi-vid-u-als.	Cor-pora-tions.	All oth-ers.				
All industries.....	1919	900	460	421	33,401	3,841	26,243	3,407	11.5	78.4	10.2	\$168,108,072	\$19,712,681	\$130,015,057	\$18,380,334	11.7	77.3	10.9				
	1914	931	390	451	32,704	5,043	23,335	4,326	15.4	71.4	13.2	76,990,974	12,202,958	52,854,963	11,933,053	15.8	68.7	15.5				
	1909	1,020	372	557	33,788	5,066	22,857	5,865	15.0	67.6	17.4	68,309,824	12,175,721	52,641,046	13,493,057	17.8	62.4	19.8				
Bread and other bakery products.	1919	55	5	11	289	185	60	44	64.0	20.8	15.2	2,532,919	1,368,723	740,285	423,911	54.0	29.2	16.7				
	1914	70	5	10	357	215	90	52	60.2	25.2	14.6	1,402,663	724,556	450,314	227,793	51.7	32.1	16.2				
Butter.....	1919	21	32	39	293	38	143	112	13.0	48.8	38.2	10,194,160	1,358,386	4,811,562	4,024,212	13.3	47.2	39.5				
	1914	29	30	75	380	59	114	157	17.9	34.5	47.6	9,917,182	1,246,981	2,450,975	3,219,226	18.0	35.4	46.5				
Cars and general shop construction and repairs by steam-railroad companies.	1919		6		1,566		1,566			100.0		4,607,671		4,607,671			100.0					
	1914		5		1,345		1,345			100.0		1,354,671		1,354,671			100.0					
Cotton goods.....	1919		4		1,092		1,092			100.0		4,383,835		4,383,835			100.0					
	1914		4		992		992			100.0		1,558,974		1,558,974			100.0					
Flour-mill and gristmill products.	1919	67	11	30	169	86	34	49	50.9	20.1	29.0	6,143,940	3,175,050	730,236	2,238,654	51.7	11.9	36.4				
	1914	86	7	32	179	105	20	54	58.7	11.2	30.2	4,142,854	2,034,174	680,063	1,428,017	40.1	16.4	34.5				
Food preparations, not elsewhere specified.	1919	18	9	3	203	7	103	3	3.4	95.1	1.5	7,176,614	69,740	7,041,830	65,044	1.0	98.1	0.9				
	1914	3	8		141	4	137		2.8	97.2		3,497,741	33,020	3,464,721		0.9	99.1					
Foundry and machine-shop products. <sup>1</sup>	1919	16	27	7	3,279	126	3,051	102	3.8	93.0	3.1	13,675,521	372,250	13,037,143	266,123	2.7	95.3	1.9				
	1914	10	20	4	1,752	188	1,539	25	10.7	87.8	1.4	3,209,075	229,788	2,921,011	59,176	7.2	91.0	1.8				
Furniture, wood, other than rattan and willow.	1919	7	9		1,022	19	1,003		1.9	98.1		3,242,332	53,416	3,188,916		1.0	98.4					
	1914	4	10	1	1,035		1,016	19		98.2	1.8	1,642,789		1,612,057	30,132		98.2	1.8				
Knit goods.....	1919		0	1	1,105		1,105			100.0		5,063,201		5,063,201			100.0					
	1914	1	4	2	993		999	264		72.6	27.4	2,164,897		1,562,030	602,867		72.2	27.8				
Lumber and timber products.	1919	263	50	90	3,020	1,140	1,828	552	37.7	44.0	18.3	8,361,641	3,152,509	3,652,123	1,557,009	37.7	49.7	18.6				
	1914	310	43	90	3,127	1,447	939	741	40.2	30.0	23.7	5,913,323	2,273,045	2,276,851	1,363,427	38.4	38.5	23.1				
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	15	7	13	349	167	94	88	47.8	26.9	25.2	2,846,673	1,400,249	1,021,165	335,259	52.4	35.9	11.8				
	1914	31	5	14	528	219	177	132	41.5	33.5	25.0	1,956,654	686,188	1,009,354	263,112	35.1	51.5	13.5				
Marble and stone work.....	1919	121	68	98	5,400	965	3,332	1,103	17.9	61.7	20.4	17,426,011	3,915,854	9,653,943	3,851,214	22.5	55.4	22.1				
	1914	118	52	106	9,018	1,163	5,694	2,161	12.9	63.1	24.0	12,605,417	1,706,912	7,849,191	3,049,314	13.5	62.3	24.2				
Paper and wood pulp.....	1919	1	14	5	1,832		1,649	183		90.0	10.0	10,862,858		9,645,904	1,216,954		88.8	11.2				
	1914		16	7	1,264		1,156	108		91.5	8.5	4,776,387		4,372,432	403,955		91.5	8.5				
Woolen and worsted goods..	1919	3	13	2	3,081	233	2,798		7.7	92.3		17,425,823	1,073,150	16,352,673		6.2	93.8					
	1914	4	13		2,226	243	1,983		10.9	89.1		4,634,593	390,179	4,244,414		8.4	91.6					
Total for cities.....	1919	117	97	73	6,766	897	5,042	827	13.3	74.5	12.2	34,658,272	5,306,848	26,088,095	3,263,829	15.3	75.3	9.4				
	1914	99	81	82	6,269	739	4,200	1,330	11.8	67.0	21.2	14,205,265	1,765,144	9,841,444	2,598,677	12.4	69.3	18.3				
BARRE.....	1919	53	34	45	1,898	497	929	472	26.2	48.9	24.9	8,499,931	2,525,941	4,125,491	1,848,499	29.7	48.5	21.7				
	1914	44	18	48	2,366	409	879	1,013	16.8	37.2	43.0	4,291,600	792,823	1,779,392	1,719,885	18.5	41.5	40.1				
BURLINGTON.....	1919	42	36	13	2,913	328	2,402	183	11.3	82.5	6.3	19,489,386	2,233,680	16,500,024	755,673	11.5	84.7	3.9				
	1914	28	41	18	2,132	195	1,736	201	9.1	81.4	9.4	6,636,956	751,175	5,516,533	399,248	11.3	83.1	5.6				
RUTLAND.....	1919	22	27	15	1,955	72	1,711	172	3.7	87.5	8.8	6,668,955	546,718	5,462,580	659,657	8.2	81.9	9.9				
	1914	27	22	16	1,771	75	1,585	111	4.2	89.5	6.3	3,276,709	221,646	2,545,519	509,544	6.3	77.7	15.6				

## MANUFACTURES—VERMONT.

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Cen- sus year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 TO 25,000.		THE STATE OUTSIDE OF CITIES HAVING A POPULA- TION OF 10,000 OR OVER.	
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.
Number of places.....	1919 1914 1909		3 3 3			
Population <sup>1</sup> .....	1920 1915 1910	352,428 361,205 355,956	47,741 47,370 44,748	13.5 13.1 12.6	304,687 313,835 311,208	86.5 86.9 87.4
Number of establishments.....	1919 1914 1909	1,790 1,772 1,958	287 262 284	16.0 14.8 14.5	1,503 1,510 1,674	84.0 85.2 85.5
Average number of wage earners.....	1919 1914 1909	33,491 32,704 33,788	6,766 6,269 6,347	20.2 19.2 18.8	26,725 26,435 27,441	79.8 80.8 81.2
Value of products.....	1919 1914 1909	\$188,108,072 76,990,974 68,309,824	\$34,658,272 14,205,265 13,332,195	20.6 18.5 19.5	\$133,449,800 62,785,709 54,977,629	79.4 81.5 80.5
Value added by manufacture.....	1919 1914 1909	72,935,491 34,285,254 33,487,096	16,065,527 7,150,353 6,886,526	22.8 20.9 20.6	56,869,964 27,134,901 26,600,570	77.2 79.1 79.4

<sup>1</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.—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.....	5,934	3,960	3,256	185,095	172,637	159,445	100.0	100.0	100.0
Owned.....	1,456	1,870	2,416	123,237	144,261	145,889	68.6	83.6	91.5
Steam.....	630	864	1,167	51,381	61,560	64,667	27.8	35.7	40.6
Engines.....	608	( <sup>2</sup> )	( <sup>2</sup> )	46,833	( <sup>2</sup> )	( <sup>2</sup> )	25.3		
Turbines.....	22	( <sup>2</sup> )	( <sup>2</sup> )	4,548	( <sup>2</sup> )	( <sup>2</sup> )	2.5		
Internal-combustion engines.....	174	160	161	2,959	2,301	2,160	1.6	1.3	1.4
Water.....	652	846	1,088	68,897	80,400	78,062	37.2	46.6	49.6
Water wheels and turbines.....	638	823	1,053	68,681	79,964	78,881	37.1	46.3	49.5
Water motors.....	14	23	35	216	436	181	0.1	0.3	0.1
Rented.....	4,478	2,090	840	61,858	28,376	13,556	33.4	16.4	8.5
Electric.....	4,478	2,090	840	61,000	27,477	12,917	33.0	15.9	8.1
Other.....				768	899	639	0.4	0.5	0.4
Electric.....	5,237	3,030	1,512	73,388	47,161	21,233	100.0	100.0	100.0
Rented.....	4,478	2,090	840	61,000	27,477	12,917	83.2	58.3	60.8
Generated by establishments reporting.....	750	940	672	12,298	19,684	8,316	16.8	41.7	39.2

<sup>1</sup> Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.<sup>2</sup> Not reported separately.

TABLE 17.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND 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.....	46,627	236,517	13,549	24,006	4,991	106,306
Per cent of increase <sup>1</sup> .....	50,146 -7.0	203,409 16.3	6,824 98.5	22,454 29.1	( <sup>1</sup> ) ( <sup>1</sup> )	7,528 1,312.1
Bread and other bakery products.....	2,855	352	332	12	21	2,018
Butter.....	465	3,689	10	2	177	1,200
Cars and general shop construction and repairs by steam-railroad companies.....	1,121	18,454	495	389	12	
Condensed milk.....		14,933				
Cotton goods.....	2,661	6,090				
Foundry and machine-shop products.....	473	2,940	4,957	15	76	189
Furniture, wood, other than rattan and willow.....	6	4,209			4	
Gas, illuminating and heating.....	4,555	7,930	365	16,971		
Knit goods.....	2	6,245			20	
Lime.....		14,669				
Machine tools.....	556	2,774		1,542	1,065	1,492
Marble and stone work.....	2,452	13,366	40	119	44	36
Minerals and earths, ground or otherwise treated.....	405	6,468	218		50	
Paper and wood pulp.....	22,890	65,948	4,143		40	
Scales and balances.....	53	7,208	2,345	1,547	131	733
Wool shoddy.....	2,303	2,788	285			
Woolen and worsted goods.....	102	35,775				
All other industries.....	5,723	22,679	359	3,409	3,351	100,658
Total for cities.....	7,415	32,088	2,621	9,794	186	103,251
BARRE.....	1,364	6,640	59	114	24	1,601
BURLINGTON.....	5,678	13,163	42	9,134	140	99,820
RUTLAND.....	373	12,285	2,520	546	22	1,830

<sup>1</sup> Included in total for fuel oils.<sup>2</sup> A minus sign (-) denotes decrease.

## SPECIAL STATISTICS.

**Butter, cheese, and condensed milk (Table 18).**—This table shows the quantity and value of the several products of the industry for 1919, 1914, and 1909.

Butter continues to be the product of chief value, although at a greatly reduced proportion. In 1914 it formed 74.1 per cent of the total value of all products, as compared with but 41.6 per cent in 1919. During this period the quantity of butter decreased 38.9 per cent, while the value, because of the prevailing high prices in 1919, increased 19.6 per cent.

Since 1914 condensed and evaporated milk shows an exceptional increase—130 per cent in quantity and 358.2 per cent in value.

TABLE 18.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$18,538,652	\$8,695,915	\$8,112,280
Butter:			
Packed solid—			
Pounds.....	7,752,857	9,990,182	12,589,015
Value.....	\$4,629,236	\$2,991,678	\$3,673,807
Prints or rolls—			
Pounds.....	5,130,386	11,077,765	7,638,480
Value.....	\$3,074,329	\$3,451,206	\$2,348,259
Cream sold:			
Pounds.....	10,651,820	10,130,732	4,502,709
Value.....	\$2,338,995	\$617,729	\$600,393
Cheese:			
Full-cream—			
Pounds.....	3,584,615	2,114,221	2,576,073
Value.....	\$1,166,793	\$337,872	\$378,057
Other kinds—			
Pounds.....	1,323,144	408,716	186,583
Value.....	\$203,170	\$41,581	\$17,721
Condensed and evaporated milk:			
Pounds.....	38,837,078	16,887,549	13,342,666
Value.....	\$5,501,806	\$1,200,713	\$975,663
All other butter, cheese, and condensed-milk factory products, value.....	\$1,624,353	\$155,637	\$118,330

**Woolen and worsted goods (Table 19).**—This table shows in considerable detail the character of products and the materials used in their manufacture.

Except for the addition of one establishment in 1919, making a total of 18 in that year, compared with 17 in 1914, the same group of woolen and worsted mills which reported for 1909 and 1914 reappear in the census of 1919. It will be seen that the fibrous materials used in 1919 are more than double in weight as compared with the two earlier census periods, while the quantity in square yards of product shows a slight decrease. This would indicate that much heavier goods were being made in 1919 than during the two previous censuses. The increased use of raw materials with little change in the amount of purchased yarn is in keeping with the growth of the number of cards reported for the industry in the state.

TABLE 19.—WOOLEN AND WORSTED GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS USED.</b>			
Total cost.....	\$10,538,017	\$2,988,612	\$2,879,001
Wool (in condition purchased):			
Pounds.....	3,316,415	1,567,230	1,620,953
Cost.....	\$3,367,519	\$678,918	\$677,308
Equivalent in scoured condition, pounds	2,952,247	1,513,524	1,165,432
Rags, tailors' clippings, etc.:			
Pounds.....	6,337,746	1,975,280	1,823,286
Cost.....	\$1,290,343	\$166,454	\$140,886
Recovered wool fiber:			
Pounds.....	1,303,515	777,810	824,259
Cost.....	\$473,249	\$90,480	\$120,774

TABLE 19.—WOOLEN AND WORSTED GOODS: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
<b>MATERIALS USED—continued.</b>			
Cotton:			
Pounds.....	814,840	505,854	184,954
Cost.....	\$242,593	\$69,781	\$30,230
Yarns, purchased:			
Pounds.....	1,258,386	979,106	1,895,180
Cost.....	\$1,850,786	\$532,519	\$1,033,028
Chemicals and dyestuffs, cost.....	\$578,486	\$161,674	\$161,175
Fuel and rent of power, cost.....	\$289,548	\$137,980	\$145,331
All other materials, cost.....	\$2,443,493	\$1,152,800	\$520,769
<b>PRODUCTS.</b>			
Total value.....	\$17,425,823	\$4,634,593	\$4,496,903
All-wool woven goods:			
Square yards.....	4,344,118	4,711,090	4,744,094
Value.....	\$11,710,620	\$2,772,917	\$2,899,133
Cotton-mixed woven goods:			
Square yards.....	2,419,027	2,281,201	2,273,010
Value.....	\$2,808,210	\$756,990	\$535,664
Cotton-warp woven goods:			
Square yards.....	2,667,049	3,416,756	2,676,701
Value.....	\$2,287,654	\$683,737	\$690,382
All other products, value.....	\$613,059	\$420,949	\$65,724

**Paper and wood pulp (Table 20).**—This table shows the quantity and cost of the principal materials used and the quantities and values of the various products of the paper and pulp mills of Vermont. The number and daily capacity of paper machines and the yearly capacity of pulp and paper mills are also given.

TABLE 20.—PAPER AND WOOD PULP: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$3,564,300	\$3,004,365	\$2,455,355
Pulp wood:			
Cords.....	111,679	65,813	(1)
Cost.....	\$1,682,864	\$677,217	\$708,618
Wood pulp, purchased, total:			
Tons.....	25,782	27,000	24,304
Cost.....	\$1,725,015	\$900,861	\$790,412
Ground, including mechanical screenings—			
Tons.....	10,556	8,910	11,556
Cost.....	\$440,798	\$179,754	\$253,778
Sulphite fiber—			
Tons.....	11,035	13,013	11,578
Cost.....	\$905,503	\$511,158	\$484,327
Other chemical fiber—			
Tons.....	4,191	5,072	1,171
Cost.....	\$378,721	\$209,949	\$52,306
Old or waste paper:			
Tons.....	6,635	7,874	2,370
Cost.....	\$141,201	\$121,534	\$52,994
All other materials, cost.....	\$3,015,220	\$1,304,458	\$908,331
<b>PRODUCTS.</b>			
Total value.....	\$10,862,858	\$4,776,387	\$3,901,634
Newspaper, in rolls and sheets:			
Tons.....	28,052	31,223	16,455
Value.....	\$2,017,361	\$1,353,012	\$688,393
Wrapping paper:			
Tons.....	15,923	11,948	16,323
Value.....	\$1,700,366	\$689,131	\$860,818
Boards:			
Tons.....	14,274	7,244	3,085
Value.....	\$1,299,031	\$246,135	\$159,452
Tissue paper:			
Tons.....	1,836	2,202	3,500
Value.....	\$453,370	\$179,284	\$331,013
Ground wood pulp produced for sale or for use in establishments other than where manufactured:			
Tons.....	19,589	19,929	30,543
Value.....	\$639,637	\$373,891	\$542,348
All other products, value.....	\$4,763,093	\$1,934,934	\$1,219,640
<b>MACHINERY.</b>			
Paper machines:			
Fourdriner—			
Number.....	17	16	12
Capacity in tons of paper, 24 hours.....	218	208	150
Cylinder—			
Number.....	17	21	20
Capacity in tons of paper, 24 hours.....	114	102	88
Yearly capacity of mills in pulp, tons.....	112,655	97,194	77,661
Yearly capacity of mills in paper, tons.....	98,518	85,605	71,719

<sup>1</sup> Not reported.

The total value of products for the industry in 1919 increased more than 100 per cent as compared with 1914, due principally to the high prices of paper prevailing during 1919.

Newspaper, as in 1914, continues to be the product of chief value in the industry, although the quantity produced in 1919 decreased by 10.2 per cent as compared with 1914, and its proportion of the total value of products from 28.3 per cent in 1914 to 18.6 per cent in 1919.

The total quantity of wood pulp manufactured in the state in 1919, including that used in the mills where produced, aggregated 85,945 tons, of which 69,946 tons, or 81.4 per cent, was ground wood pulp.

The item "All other products" includes poster, novel, and tablet paper, hanging paper, fine paper, sulphite fiber, and products other than paper and pulp manufactured by the paper and pulp mills of the state as subsidiary products.

Flour-mill and gristmill products (Table 21).—Feed and offal was the product of chief value in 1919, as in 1914, forming 72.1 per cent and 62.9 per cent, respectively, of the total value of products of the industry. The value of corn meal and corn flour was second in importance, and although slightly greater in 1919 than in 1914, its percentage of the total value of products was less, being 25.1 per cent, as against 35.1 per cent in 1914. Illustrative of the high prices prevailing in 1919, the value of feed and offal increased 70.1 per cent from 1914 to 1919, while the quantity decreased 15.4 per cent.

TABLE 21.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$6,143,940	\$4,142,854	\$4,133,337
Wheat flour:			
Barrels.....	11,530	3,133	169
Value.....	\$134,337	\$17,467	\$1,014
Rye flour:			
Barrels.....	36	144	404
Value.....	\$360	\$580	\$1,406
Corn meal and corn flour:			
Barrels.....	211,215	468,617	853,051
Value.....	\$1,540,559	\$1,453,199	\$2,511,964
Buckwheat flour:			
Pounds.....	72,175	456,333	363,550
Value.....	\$4,745	\$13,844	\$9,376
Barley meal:			
Pounds.....		365,600	3,499,993
Value.....		\$6,041	\$54,185
Bran and middlings:			
Tons.....	544	710	12
Value.....	\$26,042	\$20,230	\$433
Feed and offal:			
Tons.....	69,464	82,074	48,850
Value.....	\$4,429,697	\$2,604,409	\$1,528,928
Hominy grits:			
Pounds.....		150,000	
Value.....		\$2,100	
Oatmeal, value.....	\$5,700	\$19,254	
Breakfast foods, rolled oats, etc.:			
Pounds.....	2,000		
Value.....	\$100		
All other products, value.....	\$2,400	\$5,730	\$26,031

Laundries (Table 22).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 22, however, summarizes the statistics for such laundries in the state of Vermont for 1919 and 1914.

TABLE 22.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Percent of increase, <sup>1</sup> 1914-1919.
	1919	1914	
Number of establishments.....	28	41	.....
Persons engaged.....	364	441	-17.5
Proprietors and firm members.....	32	49	.....
Salaried employees.....	8	14	.....
Wage earners (average number).....	324	378	-14.3
Primary horsepower.....	478	518	-7.7
Capital.....	\$253,957	\$233,682	8.7
Salaries and wages.....	195,630	153,642	27.3
Salaries.....	16,531	7,628	116.7
Wages.....	179,099	146,014	22.7
Paid for contract work.....	810	3,560	-77.2
Rent and taxes.....	13,543	10,309	31.4
Cost of materials.....	97,392	63,214	54.1
Amount received for work done.....	399,668	362,041	10.4

<sup>1</sup> A minus sign (-) denotes decrease. Percentages are omitted where base is less than 100.

Dyeing and cleaning (Table 23).—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.

TABLE 23.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	6
Persons engaged.....	25
Proprietors and firm members.....	8
Salaried employees.....	1
Wage earners (average number).....	16
Primary horsepower.....	30
Capital.....	\$26,120
Salaries and wages.....	12,854
Salaries.....	300
Wages.....	12,554
Paid for contract work.....	380
Rent and taxes.....	2,727
Cost of materials.....	9,668
Amount received for work done.....	42,883

Custom sawmills and custom gristmills (Table 24).—This table shows for 1919 and 1909 a summary for custom sawmills and custom gristmills. Statistics for these custom mills are not included in the general tables nor in the totals for manufacturing industries, but are presented by totals in this table.

TABLE 24.—CUSTOM SAWMILLS AND CUSTOM GRISTMILLS: 1919 AND 1909.

	CUSTOM SAWMILLS.			CUSTOM GRISTMILLS.		
	1919	1909	Per cent of increase, <sup>1</sup> 1909-1919.	1919	1909	Per cent of increase, <sup>1</sup> 1909-1919.
Number of establishments.....	85	61	.....	25	35	.....
Persons engaged.....	157	184	-14.7	40	51	.....
Proprietors and firm members.....	95	74	.....	28	35	.....
Salaried employees.....		1	.....			.....
Wage earners (average number).....	62	109	-43.1	12	16	.....
Primary horsepower.....	3,621	3,340	8.4	783	1,906	-58.9
Capital.....	\$221,393	\$147,198	50.4	\$117,108	\$61,076	91.7
Salaries and wages.....	45,121	41,991	7.5	9,717	3,227	201.1
Salaries.....		364	.....			.....
Wages.....	45,121	41,627	8.4	9,717	3,227	201.1
Rent and taxes.....	2,523	( <sup>2</sup> )	.....	2,452	( <sup>2</sup> )	.....
Cost of materials.....	12,219	1,865	555.2	249,189	165,181	50.9
Value of products <sup>3</sup> .....	105,026	86,398	21.6	329,573	197,514	66.9

<sup>1</sup> A minus sign (-) denotes decrease. Percentages are omitted where base is less than 100.

<sup>2</sup> Figures not available.

<sup>3</sup> Includes estimates of all grain ground. Value of products for custom sawmills represents the amount charged for work performed.



## GENERAL TABLES.

Table 25 gives the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for all industries combined and for selected industries in the state, and for Barre, Burlington, and Rutland similar data for all industries combined, 1919, 1914, and 1909. Certain kindred industries are combined in some

instances for comparison with 1909. Table 26 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, and the statistics for all industries combined for cities of 10,000 inhabitants or more.

TABLE 25.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horse-power.	Wages.	Cost of materials.	Value of products.	INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horse-power.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.								Expressed in thousands.		
All industries.....	1919	1,790	33,491	185,095	\$34,084	\$95,173	\$168,108	Knit goods.....	1919	7	1,105	978	\$916	\$3,095	\$5,063
	1914	1,772	32,704	172,637	18,617	42,706	76,991		1914	7	963	870	484	1,404	2,165
	1909	1,958	33,788	169,445	17,272	34,823	68,310		1909	8	946	962	411	1,089	1,746
Agricultural implements.....	1919	10	241	1,141	200	291	601	Lime.....	1919	8	160	1,141	158	280	459
	1914	9	311	1,245	182	310	696		1914	8	132	149	64	98	189
	1909	11	360	1,194	185	272	582		1909	11	185	248	72	119	250
Bread and other bakery products.	1919	71	289	333	273	1,745	2,533	Lumber and timber products.	1919	457	3,948	34,118	3,355	5,915	13,142
	1914	85	357	264	204	813	1,403		1914	516	4,108	38,956	2,100	3,981	8,768
	1909	75	242	136	121	624	994		1909	593	4,790	41,937	2,013	4,131	8,598
Butter, cheese, and condensed milk.	1919	137	608	2,814	600	16,656	18,539	Marble and stone work.....	1919	287	5,400	30,590	6,277	6,166	17,426
	1914	173	471	2,701	314	7,976	8,690		1914	276	9,018	34,012	6,004	3,684	12,605
	1909	186	519	2,944	292	7,056	8,112		1909	342	10,411	29,107	6,404	2,518	12,395
Canning and preserving, fruits and vegetables.	1919	9	173	665	64	360	522	Minerals and earths, ground or otherwise treated.	1919	10	403	4,799	483	341	1,528
	1914	6	95	296	33	228	402		1914	7	230	1,427	143	95	423
	1909	8	118	240	46	214	380	Paper and wood pulp.....	1919	20	1,832	42,084	2,144	6,564	10,863
Cars and general shop construction and repairs by steam-railroad companies.	1919	6	1,566	2,015	2,226	2,267	4,608		1914	23	1,264	42,066	811	8,004	4,776
	1914	5	1,345	1,488	727	577	1,355		1909	25	1,030	38,191	591	2,455	3,902
	1909	7	992	1,965	546	529	1,135	Patent medicines and compounds.	1919	14	138	18	83	919	1,949
Clothing, men's, including shirts.	1919	17	742	388	373	1,301	2,318		1914	12	119	233	57	227	1,019
	1914	10	988	297	420	736	1,442		1909	15	161	333	68	586	1,290
	1909	11	1,281	323	404	591	1,274	Printing and publishing.....	1919	106	615	697	478	488	1,715
Clothing, women's.....	1919	7	348	147	197	309	797		1914	111	651	784	409	297	1,243
	1914	7	387	203	125	353	691		1909	115	666	625	326	250	1,039
	1909	6	333	150	110	285	503	Tools, not elsewhere specified..	1919	7	355	1,828	327	596	1,558
Confectionery and ice cream....	1919	25	350	241	191	1,080	1,757		1914	5	215	715	108	152	355
	1914	10	165	191	66	307	498		1909	6	221	817	112	161	363
Cooperage and wooden goods, not elsewhere specified.	1919	14	191	1,865	143	244	508	Toys and games.....	1919	6	423	1,700	416	598	1,351
	1914	15	200	1,457	112	107	322		1914	4	160	330	66	52	160
	1909	25	635	2,203	263	240	693		1909	4	103	432	50	49	126
Copper, tin, and sheet-iron products. <sup>1</sup>	1919	15	111	60	112	305	570	Window shades and fixtures...	1919	3	105	206	49	169	307
	1914	17	113	122	72	281	473		1914	3	129	321	54	161	263
	1909	19	149	240	78	205	425	Wood, turned and carved.....	1919	25	366	2,195	303	320	907
Cotton goods.....	1919	4	1,092	6,561	907	2,127	4,384		1914	33	361	2,595	161	166	414
	1914	4	992	4,933	450	952	1,559		1909	31	390	1,988	163	178	463
	1909	3	683	4,026	246	616	1,073	Woolen and worsted goods.....	1919	18	3,031	9,712	3,382	10,536	17,426
Flour-mill and gristmill products.	1919	108	169	8,051	158	5,332	6,144		1914	17	2,226	8,841	1,167	2,989	4,635
	1914	125	179	7,355	105	3,659	4,143		1909	17	2,294	7,213	1,043	2,879	4,497
	1909	133	156	8,714	76	3,528	4,133	All other industries.....	1919	200	4,798	14,672	4,805	13,948	24,584
Food preparations, not elsewhere specified.	1919	30	208	1,484	185	6,342	7,177		1914	209	4,357	11,049	2,464	5,048	9,385
	1914	11	141	1,123	81	3,021	3,493		1909	218	4,041	8,799	2,018	3,745	8,244
	1909	5	33	219	15	365	492	CITY.							
Foundry and machine-shop products. <sup>2</sup>	1919	144	3,620	11,464	4,339	5,350	15,644	BARRE.....	1919	132	1,898	8,019	2,654	3,202	8,500
	1914	40	1,873	5,080	1,088	1,062	3,428		1914	110	2,366	5,975	1,904	1,336	4,292
	1909	56	1,890	4,519	1,085	1,335	3,755		1909	139	2,340	4,645	1,814	1,108	3,852
Furniture.....	1919	16	1,022	3,492	850	1,327	3,242	BURLINGTON.....	1919	91	2,913	9,409	2,391	12,115	19,499
	1914	15	1,035	3,241	514	754	1,643		1914	87	2,132	6,704	1,030	4,109	6,637
	1909	19	1,119	2,767	498	703	1,618		1909	82	2,371	8,359	991	4,130	6,800
Gas, illuminating and heating..	1919	9	87	136	90	222	486	RUTLAND.....	1919	64	1,955	4,096	2,026	2,676	6,669
	1914	9	59	243	32	122	337		1914	65	1,771	3,159	1,055	1,610	3,277
	1909	9	70	153	43	100	278		1909	63	1,636	1,862	763	1,207	2,680

<sup>1</sup> Includes "tinware" in 1914 and 1909.

<sup>2</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "hardware"; "machine tools"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; and "textile machinery and parts" in 1919 and the same industries in 1914 and 1909, with the exception of "pumps, steam and other power." "Hardware, saddlery" was also included in 1914 and 1909.

<sup>3</sup> Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "pulp wood."

TABLE 26.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.		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.....	1,790	38,845	1,804	1,461	1,172	917	33,491	De 36,590	Fe 31,135	(*)	(*)	(*)	(*)	(*)	Dollars. 134,314,391		
2	Agricultural implements.....	10	267	2	15	3	6	241	Mh 255	Jy 226	236	231	5	—	—	853,148		
3	Automobile repairing.....	53	430	98	11	5	19	297	Jy 345	Ja 233	306	303	2	—	—	828,852		
4	Baskets, and rattan and willow ware.	4	55	8	5	—	—	41	De 46	Ap 37	40	36	2	2	—	50,275		
5	Boxes, wooden packing, except cigar boxes.	13	620	12	20	1	8	579	Fe 632	Au 529	609	538	71	—	—	2,025,582		
6	Bread and other bakery products.	71	403	79	7	11	17	289	Jy 298	Ja 280	295	229	62	4	—	782,430		
7	Butter.....	92	449	49	61	18	28	293	Jy 343	Fe 252	282	271	11	—	—	1,698,158		
8	Canning and preserving, vegetables.	9	206	12	15	3	3	173	Se 684	Ja 4	640	450	110	57	23	334,290		
9	Carpets, rag.....	3	5	3	—	—	—	2	(*)	2	(*)	2	2	—	—	5,985		
10	Carriages and wagons, including repairs.	23	67	31	1	—	—	35	—	—	39	39	—	—	—	141,630		
11	Carriages and wagons.	15	49	20	1	—	—	28	Se 80	Mh 26	31	31	—	—	—	90,340		
12	Repair work only.....	8	13	11	—	—	—	7	De 9	Ja 5	8	8	—	—	—	51,290		
13	Cars and general shop construction and repairs by electric-railroad companies.	7	31	—	2	—	—	29	Ja 30	Ja 28	31	30	1	—	—	79,842		
14	Cars and general shop construction and repairs by steam-railroad companies.	6	1,639	—	29	27	17	1,566	Oc 1,608	Jy 1,531	1,598	1,585	13	—	—	1,336,285		
15	Cheese.....	38	99	32	10	2	7	48	Je 70	Ja 31	62	58	4	—	—	240,033		
16	Clothing, men's.....	8	488	7	29	36	12	404	—	—	454	44	409	—	1	1,378,937		
17	Men's and youths'.....	5	349	2	24	20	9	294	De 333	Ja 267	328	32	295	—	1	1,073,187		
18	All other.....	3	139	5	5	16	3	110	De 126	Jy 100	126	12	114	—	—	305,750		
19	Clothing, women's.....	7	381	1	13	8	11	348	Jy 402	Mh 275	423	29	394	—	—	572,559		
20	Condensed milk.....	7	317	4	12	17	17	267	My 344	De 190	200	190	10	—	—	2,532,466		
21	Confectionery and ice cream.....	25	424	27	16	11	20	350	—	—	826	161	175	—	—	1,141,483		
22	Confectionery.....	11	363	13	13	7	17	313	Ja 348	No 279	286	116	170	—	—	952,390		
23	Ice cream.....	14	61	14	3	4	3	37	Au 55	Ja 25	40	35	5	—	—	189,123		
24	Cooperage.....	5	22	4	2	—	—	16	No 24	Ap 12	18	18	—	—	—	28,308		
25	Copper, tin, and sheet-iron work.	15	148	15	10	6	6	111	De 138	Je 90	142	140	2	—	—	389,037		
26	Cotton goods.....	4	1,138	—	26	9	11	1,092	No 1,119	Je 1,052	1,142	635	494	11	2	4,477,985		
27	Flour-mill and gristmill products.	108	341	132	18	11	11	189	De 182	Jy 159	187	183	4	—	—	3,035,058		
28	Food preparations, not elsewhere specified.	30	273	25	21	12	12	203	—	—	204	190	14	—	—	1,830,440		
29	Syrups and cereals.....	19	52	16	6	1	3	26	No 36	Je 18	46	42	4	—	—	253,192		
30	Other food products—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
31	For human consumption.....	7	49	8	4	4	1	32	My 51	De 15	29	22	7	—	—	222,354		
32	For animals and fowls.....	4	172	1	11	7	8	145	Je 179	Oc 118	129	126	3	—	—	1,354,894		
33	Foundry and machine-shop products.....	30	1,171	16	79	40	24	1,012	—	—	1,203	1,190	4	—	—	3,677,499		
34	Better shops and foundries.....	5	412	—	26	8	4	374	De 447	Fe 307	449	449	—	—	—	1,083,060		
35	Machine shops.....	16	474	10	30	18	12	494	De 492	My 353	496	492	4	—	—	1,916,633		
36	Machine shops and foundries combined.	9	285	6	23	14	8	234	De 258	My 215	258	258	—	—	—	977,806		
37	Furniture, wood, other than rattan and willow.	16	1,110	7	35	28	18	1,022	No 1,176	Ja 878	1,176	1,050	114	8	4	3,126,062		
38	Gas, illuminating and heating.....	9	137	—	26	12	12	87	Je 95	Fe 81	84	84	—	—	—	2,015,227		
39	Knit goods.....	7	1,155	2	25	16	17	1,105	Au 1,198	Se 940	1,108	855	751	—	2	3,648,779		
40	Lime.....	8	183	6	12	2	3	160	Se 179	Mh 138	166	166	—	—	—	663,341		
41	Lumber and timber products.....	409	3,619	473	86	25	15	3,020	De 3,468	Jy 2,295	4,459	4,359	72	28	—	6,997,765		
42	Lumber, planing-mill products, not including planing mills connected with sawmills.	25	445	47	17	21	11	349	Jy 386	Ja 288	373	373	—	—	—	2,005,934		
43	Machine tools.....	6	2,313	—	39	165	85	2,024	De 2,205	Ap 1,897	2,213	2,112	100	1	—	11,041,831		
44	Marble and stone work.....	287	6,245	351	230	145	119	5,400	—	—	5,790	5,774	8	8	—	13,961,955		
45	Monuments and tombstones.....	224	3,500	291	158	97	79	2,880	No 3,085	Fe 2,703	2,998	2,990	8	—	—	7,827,114		
46	Other marble and stone work except slate.	20	1,716	12	23	36	26	1,619	De 1,830	Ja 1,295	1,832	1,824	—	8	—	4,270,995		
47	Roofing slate.....	28	788	32	40	12	8	696	Jy 815	Se 490	763	763	—	—	—	1,451,038		
48	Other slate products.....	15	241	16	14	—	6	205	Je 219	Jy 194	197	197	—	—	—	412,808		
49	Mineral and carbonated waters.....	15	56	15	2	6	2	31	Ja 55	Ja 10	35	34	1	—	—	191,849		
50	Minerals and earths, ground or otherwise treated.	10	456	3	34	11	5	403	De 524	Fe 321	516	513	3	—	—	2,237,334		
51	Paper and wood pulp.....	20	2,008	14	67	53	42	1,832	—	—	1,975	1,853	116	3	3	15,814,187		
52	Paper mills.....	11	463	7	32	12	15	397	Au 466	Mh 304	448	355	88	2	3	3,051,090		
53	Pulp mills.....	3	182	2	6	5	2	167	Oc 204	Fe 131	203	202	1	—	—	1,254,077		
54	Paper and pulp mills.....	6	1,363	5	29	36	25	1,288	Jy 1,348	Ap 1,173	1,324	1,296	27	1	—	11,008,970		
55	Paper goods, not elsewhere specified.	4	151	—	15	12	13	111	Au 123	Ja 100	123	79	44	—	—	521,749		
56	Patent medicines and compounds.....	14	238	4	22	52	22	138	Fe 146	Ap 119	138	58	80	—	—	1,428,110		
57	Paving materials.....	3	24	3	2	1	1	17	Je 29	Fe 1	28	28	—	—	—	33,000		
58	Printing and publishing, book and job.	53	427	55	23	5	15	329	De 343	My 320	346	233	108	5	—	793,932		
59	Printing and publishing, newspapers and periodicals.	53	465	41	36	39	63	286	—	—	272	190	77	5	—	777,538		
60	Printing and publishing.....	10	190	4	16	30	25	115	No 118	Mh 113	96	78	17	1	—	366,593		
61	Printing, publishing, and job printing.	39	243	37	16	5	14	171	My 174	Fe 166	176	112	60	4	—	338,951		
62	Publishing, without printing.	4	32	—	4	4	24	—	—	—	—	—	—	—	—	21,994		
63	Refrigerators.....	3	330	—	12	17	8	293	Mh 318	Je 262	302	289	12	1	—	1,176,502		
64	Saddlery and harness.....	10	26	9	—	—	—	17	No 20	Jy 15	18	18	—	—	—	31,885		
65	Shirts.....	9	372	11	18	2	3	338	De 411	Fe 253	411	34	376	—	1	231,428		
66	Sporting and athletic goods.....	4	43	4	2	—	1	36	De 47	Jy 33	36	27	9	—	—	59,788		
67	Textile machinery and parts.....	14	278	19	10	3	3	243	Au 264	Ja 222	267	260	7	—	—	483,049		

\* 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.					Rent- ed. <sup>2</sup>
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

## THE STATE--ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 4,717,000	Dollars. 2,628,179	Dollars. 34,083,935	Dollars. 753,451	Dollars. 571,601	Dollars. 5,331,327	Dollars. 91,624,436	Dollars. 3,543,145	Dollars. 168,108,072	Dollars. 72,935,491	185,095	46,833	4,548	2,959	68,897	61,858	12,298	1
44,903	9,252	200,401	.....	84	14,544	267,725	23,143	600,912	310,044	1,141	220	.....	40	585	295	.....	2
17,270	16,365	326,221	.....	18,465	10,678	654,867	19,132	1,820,513	1,146,514	459	.....	.....	114	21	824	47	3
6,686	1,298	39,271	.....	576	494	27,635	1,462	85,257	56,160	340	95	.....	.....	155	90	.....	4
114,043	11,870	405,394	.....	785	94,665	1,080,118	5,831	1,934,066	848,117	1,362	515	.....	25	448	374	20	5
27,495	17,468	272,060	30	20,958	35,102	1,699,108	46,259	2,532,919	787,552	333	.....	.....	28	6	299	2	6
50,526	24,144	276,856	7,739	1,940	16,397	8,821,345	69,500	10,194,160	1,303,316	1,729	300	22	71	263	573	102	7
24,077	4,081	64,166	.....	1,255	4,186	353,813	5,871	521,879	162,195	665	434	.....	19	.....	212	.....	8
.....	.....	1,992	.....	316	48	701	491	6,621	5,429	14	.....	.....	.....	.....	14	.....	9
1,800	.....	29,483	.....	708	1,423	46,351	3,094	129,828	80,383	346	.....	.....	52	215	79	12	10
1,800	.....	23,913	.....	788	1,171	37,831	2,605	103,743	63,307	199	.....	.....	26	100	73	2	11
.....	.....	5,870	.....	10	252	8,820	489	26,085	17,076	147	.....	.....	26	115	6	10	12
2,527	.....	25,807	.....	1,848	38,218	4,056	82,092	39,818	.....	244	1	.....	.....	.....	243	5	13
70,193	43,580	2,225,997	.....	40	2,112,000	155,286	4,607,671	2,340,385	2,015	252	.....	.....	.....	.....	1,763	.....	14
13,907	7,695	50,407	.....	2,496	2,776	1,328,804	10,645	1,482,936	143,487	262	175	13	6	.....	68	10	15
73,782	78,288	194,504	.....	2,762	106,121	1,038,456	5,693	1,789,158	745,009	167	70	.....	.....	.....	97	.....	16
63,887	50,735	151,386	.....	2,762	100,920	731,844	3,734	1,314,136	578,558	140	70	.....	.....	.....	70	.....	17
9,895	27,551	43,118	.....	.....	5,201	306,612	1,959	475,022	166,451	27	.....	.....	.....	.....	27	.....	18
53,313	23,623	197,124	748	600	11,896	800,822	7,987	796,773	487,964	147	25	.....	.....	50	72	.....	19
28,976	46,485	273,036	7,717	.....	42,467	6,306,580	124,849	6,861,556	435,827	823	587	.....	.....	.....	236	96	20
57,135	47,524	191,252	.....	11,728	66,672	1,067,291	12,748	1,768,560	676,621	241	100	.....	.....	.....	141	31	21
39,855	40,159	164,772	.....	4,770	60,843	790,294	8,209	1,248,722	450,219	118	100	.....	.....	.....	18	31	22
17,280	7,365	36,480	.....	6,958	5,829	276,997	4,539	507,938	226,302	123	.....	.....	.....	.....	123	.....	23
2,700	.....	12,868	.....	868	.....	12,825	35	46,297	33,437	202	.....	.....	5	197	.....	.....	24
14,120	11,973	111,828	.....	4,956	5,314	301,093	4,107	570,337	265,137	60	.....	.....	.....	.....	60	.....	25
78,135	20,917	907,400	.....	.....	249,432	2,013,205	114,020	4,383,835	2,256,550	6,681	3,300	20	.....	1,677	1,554	100	26
29,672	17,122	158,210	4,922	5,185	32,886	5,310,823	21,473	6,143,940	811,644	8,051	105	.....	288	5,081	2,577	260	27
121,908	55,977	185,035	.....	8,580	67,163	6,319,154	22,665	7,176,611	834,795	1,484	.....	.....	.....	15	1,462	.....	28
21,228	3,683	23,950	.....	2,176	12,651	412,854	5,836	582,223	163,533	114	.....	.....	.....	.....	114	.....	29
18,150	18,905	30,867	.....	2,000	22,848	715,355	3,547	909,504	190,602	66	.....	.....	7	15	44	.....	30
82,530	33,389	130,218	.....	4,410	31,604	5,190,945	13,282	5,684,887	480,660	1,304	.....	.....	.....	.....	1,304	.....	31
188,812	61,767	1,242,754	5,576	4,353	72,054	1,309,291	89,745	3,343,596	1,944,560	2,896	715	.....	14	764	1,403	23	32
68,241	7,825	558,544	1,169	784	8,635	483,820	56,823	1,317,527	776,884	616	200	.....	.....	75	341	.....	33
76,796	35,503	440,341	4,407	2,069	21,768	547,130	18,465	1,284,063	718,468	1,626	440	.....	14	539	633	23	34
43,775	18,939	243,809	.....	1,500	41,651	278,341	14,457	742,006	449,208	854	75	.....	.....	160	420	.....	35
154,303	50,959	849,930	60	1,878	67,948	1,286,933	40,002	3,242,332	1,915,397	3,492	2,277	.....	12	725	478	588	36
31,964	16,696	89,914	822	2,407	14,943	63,203	158,804	485,751	268,744	136	95	15	.....	.....	28	55	37
95,175	40,876	910,438	35,218	.....	183,721	3,047,498	47,144	5,003,201	1,968,559	978	558	.....	.....	135	285	.....	38
19,722	2,835	158,309	1,316	2,381	8,049	98,702	161,257	459,489	199,530	1,141	290	.....	.....	145	706	130	39
144,038	49,500	2,684,157	397,615	3,274	159,055	2,939,335	34,324	8,361,641	5,387,982	30,689	15,692	415	1,014	11,014	2,454	721	40
49,060	44,051	285,377	378	20,799	23,697	1,850,292	5,190	2,846,673	991,191	2,167	1,660	.....	43	258	206	67	41
290,747	470,571	2,550,347	5,590	2,400	1,434,642	2,817,119	110,016	9,009,745	6,682,610	7,201	300	1,050	.....	450	5,401	.....	42
745,541	111,189	6,276,507	125,519	89,673	246,686	5,574,615	591,228	17,426,011	11,260,170	30,590	2,482	.....	775	4,598	22,735	2,159	43
525,587	321,385	3,866,225	94,107	51,076	142,855	4,483,902	367,149	12,365,508	7,514,457	13,709	355	.....	5	370	12,979	.....	44
117,840	63,420	1,638,865	31,222	4,168	90,024	835,878	161,687	3,520,481	2,622,927	12,238	1,876	.....	770	4,020	5,573	2,159	45
69,966	21,546	590,200	.....	30,852	6,583	89,057	44,504	984,217	850,656	3,349	167	.....	.....	.....	3,182	.....	46
32,148	4,838	181,217	190	3,577	7,224	165,778	17,886	555,794	372,130	1,294	85	.....	.....	208	1,001	.....	47
4,410	14,868	26,913	.....	3,585	7,830	117,474	2,494	213,280	93,312	37	.....	.....	5	.....	32	1	48
36,609	14,069	482,789	19,133	6,274	24,025	204,298	136,344	1,528,342	1,187,700	4,799	948	.....	7	.....	3,844	.....	49
426,473	140,667	2,144,116	4,176	280,851	239,151	5,830,615	733,685	10,862,858	4,298,558	42,084	5,170	.....	50	34,080	2,784	3,445	50
187,962	37,040	377,559	370	540	59,578	2,104,347	175,235	3,187,328	847,746	4,434	1,499	.....	50	2,080	814	.....	51
25,884	11,502	216,362	3,806	1,297	14,354	462,491	76,796	870,212	330,955	5,350	150	.....	.....	5,500	.....	1,350	52
212,627	92,035	1,550,195	279,014	165,219	3,203,777	481,684	8,125	6,805,318	3,119,857	32,000	3,530	.....	.....	26,500	1,970	2,095	53
58,900	30,690	103,064	.....	2,280	20,668	860,382	8,125	1,289,481	420,974	189	.....	.....	.....	.....	189	.....	54
56,542	78,297	82,961	.....	1,130	222,935	904,526	14,587	1,948,703	1,029,590	18	.....	.....	2	.....	16	130	55
1,800	1,488	14,236	.....	230	.....	5,007	2,190	30,928	23,731	90	.....	.....	.....	.....	75	.....	56
47,597	14,916	255,402	5,817	14,999	6,701	255,433	12,172	820,736	553,131	338	25	.....	10	11	292	.....	57
61,554	91,112	219,613	18,259	15,169	14,184	203,280	17,169	894,627	674,078	359	.....	.....	32	13	314	11	58
25,390	56,179	90,529	400	5,077	5,735	98,666											

## MANUFACTURES—VERMONT.

TABLE 26.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	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.	Fe- male.	Average number.	Number, 15th day of—			Male.	Fe- male.	Male.		Fe- male.
								Maximum month.	Minimum month.						

## THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

															Dollars.
1	Tobacco, cigars.....	14	28	15	1	1	21	Mh <sup>a</sup> 23	Ap <sup>a</sup> 20	22	17	4	1	-----	24,427
2	Tools, not elsewhere specified.....	7	432	5	18	17	355	De 378	My 344	378	366	11	1	-----	1,947,715
3	Toys and games.....	6	454	6	12	5	423	De 544	Ja 314	537	423	109	2	3	860,740
4	Vinegar and cider.....	33	50	39	1	1	9	Oc 40	Ja <sup>a</sup> 1	24	23	-----	-----	-----	83,660
5	Window shades and fixtures.....	3	120	1	9	2	105	De 120	Ja <sup>a</sup> 98	109	87	22	-----	-----	391,007
6	Wood, turned and carved.....	25	424	35	17	2	366	De 400	Ja 326	423	366	57	-----	-----	788,252
7	Wooden goods, not elsewhere specified.....	9	191	5	5	1	175	De 209	Ja 136	211	150	53	-----	2	505,612
8	Woolen and worsted goods.....	18	2,225	8	109	46	3,031	De 3,817	Ja 1,819	3,815	2,826	982	1	6	15,135,501
9	All other industries *.....	83	4,846	69	174	262	4,200								20,391,150

* All other industries embrace—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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## CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	BARRE.....	132	2,291	155	119	61	58	1,898	No 2,036	Fe 1,761	2,015	1,977	37	1	-----	4,665,625
2	BURLINGTON.....	91	3,353	75	124	135	106	2,913	An 2,985	Je 2,800	3,054	2,102	936	11	5	13,318,817
3	RUTLAND.....	64	2,281	61	98	98	69	1,955	De 2,178	Fe 1,788	2,218	1,840	378	-----	-----	7,066,034

<sup>a</sup> Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

<sup>b</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.					Rented. <sup>2</sup>
											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.							
1,502	1,040	15,158	924	2,727	8,234	32,003	434	80,158	47,721	1	-----	-----	-----	-----	1	-----
51,404	28,714	328,743	-----	1,324	34,515	557,491	38,686	1,559,116	961,939	1,828	600	-----	-----	185	1,043	-----
76,794	23,608	415,681	46	690	7,623	577,472	20,989	1,350,876	782,415	1,700	175	800	-----	197	528	259
2,600	1,720	6,612	959	-----	1,292	71,763	2,054	124,276	50,459	640	146	-----	144	303	47	-----
9,001	6,374	49,132	-----	1,000	4,812	160,430	2,828	306,990	137,732	206	40	-----	-----	125	41	-----
43,681	3,488	303,380	455	980	10,173	312,430	7,749	906,756	588,577	2,195	1,310	-----	91	653	136	-----
7,187	4,038	131,067	9,095	855	7,933	228,398	2,478	462,178	231,302	1,163	875	-----	-----	155	133	137
583,282	85,074	3,382,147	54,869	-----	830,869	10,240,469	289,548	17,425,823	6,889,806	9,712	2,910	2,168	-----	4,257	382	3,272
561,786	404,533	4,331,027	12,022	21,678	870,206	12,057,086	338,927	21,733,684	9,337,671	12,289	3,286	20	78	1,765	7,145	565

Millinery and lace goods, not elsewhere specified.....	1	Optical goods, lenses.....	1	Shipbuilding, wooden, masts, spars, oars, and rigging.....	1	Stoves, gas and oil.....	1
Models and patterns, not including paper patterns.....	1	Perfumery and cosmetics.....	1	Slaughtering, and meat packing.....	2	Surgical appliances.....	1
Musical instruments and materials, not specified.....	1	Pickles, preserves, and sauces.....	1	Springs, steel.....	1	Tinware, not elsewhere specified.....	2
Musical instruments, organs.....	1	Pulp, from fiber other than wood.....	1	Stationery goods, penholders.....	1	Upholstering materials, excelsior.....	1
Musical instruments, piano materials.....	2	Pumps, steam and other power.....	2	Steam fittings, and steam and hot-water heating apparatus.....	1	Wall plaster and composition flooring.....	1
Needles, pins, and hooks and eyes.....	1	Sausage, not made in slaughtering and meat-packing establishments.....	2	Stoves and ranges.....	1	Window and door screens.....	1
		Scales and balances.....	3			Wirework.....	1
						Wool shoddy.....	3

## CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

432,151	227,449	2,653,505	52,707	45,096	112,198	2,953,717	248,502	8,499,931	5,297,712	8,019	360	15	20	251	7,373	-----	1
406,604	270,997	2,391,470	5,537	43,684	580,678	11,851,487	263,532	19,489,386	7,374,367	9,409	4,820	30	-----	902	3,657	276	2
241,721	154,889	2,025,906	4,513	34,221	461,813	2,525,677	149,830	6,668,955	3,993,448	4,096	1,151	-----	-----	-----	2,945	43	3

\* Same number reported for one or more other months.

# MINES AND QUARRIES—VERMONT.

## 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.

Vermont, which ranks forty-second among the states in size (land area 9,124 square miles) and forty-fifth in population (352,428 in 1920), ranked thirty-third in mineral production in 1919. On the basis of total number of persons engaged in the mining industries and the average number of wage earners employed, the state also ranked thirty-third.

The total value of products for all mines and quarries was \$8,555,030, which was an increase of 4.1 per cent over the corresponding amount reported at the census of 1909. This increase and the increases in salaries, cost of supplies and materials and fuel and power, as shown in Table 1, are largely due to general price increases. An actual decrease in quarrying and mining in Vermont is indicated by the decrease in the number of enterprises, number of mines and quarries operated, and the large decrease in the average number of wage earners employed in the industries. The addition of Federal income taxes since 1909 will account for the large increase in taxes shown.

The mining and quarrying industries reported in Vermont for 1919 were granite, marble, slate, talc and soapstone, limestone, clay, and copper. Although low in rank on the basis of total mineral production, Vermont ranked first among the states in the production of granite and marble, and second in the production of slate and talc and soapstone. These principal industries—granite, marble, slate, and talc and soapstone—accounted for 98.1 per cent of the total value of mineral products and employed 97.6 per cent of all wage earners engaged in the mines and quarries of Vermont in 1919. The quarrying and mining industries in Vermont are ranked by value of products for 1919 in Table 2, which also shows a different order of rank on the basis of number of wage earners employed.

The granite industry, which leads all other mineral industries in the state, reported products to the amount of \$3,563,734, which was 41.7 per cent of the total value of products of all mines and quarries in Vermont and was 19.5 per cent of the total value of products for the granite industry of the United States (\$18,279,345) in 1919. The production of granite was reported chiefly from Washington County, but also from Caledonia, Orange, Orleans, and Windham Counties.

The marble industry, which was second in importance in the state in 1919, reported products valued at \$2,108,872, or 24.7 per cent of the total value of all mineral products in the state and 48 per cent of the total value of products of the marble quarrying industry in the United States (\$4,397,912). The production of marble, reported chiefly from Rutland County, was

also reported from Addison, Bennington, Franklin, and Washington Counties.

The Vermont slate quarrying industry, which was third in rank among the mineral industries in the state for 1919 with a production valued at \$2,057,388, or 24 per cent of the total value of all mineral products in the state, was second only to that of Pennsylvania and amounted to 36 per cent of the total value of products for the slate-quarrying industry in the United States (\$5,720,792). The production reported from Vermont was quarried in Rutland County.

Talc and soapstone mining was fourth in importance among the mineral industries in Vermont in 1919 with a production valued at \$663,261, or 7.8 per cent of the total value of all mineral products in the state and 28.8 per cent of the total value of products of the talc and soapstone industry in the United States (\$2,302,393). The production of talc and soapstone in Vermont in 1919 came from Addison, Lamoille, Washington, Windham, and Windsor Counties.

Table 3 shows that among the operators of quarries and mines in Vermont corporations are in the majority. Enterprises having this form of organization conducted 61.3 per cent of the total number of enterprises, employed 83.8 per cent of the total number of wage earners, and reported 88.8 per cent of the total value of products.

The relatively large number of small enterprises, as determined by the average number of wage earners employed, is shown in Table 4. Of the total number of enterprises in Vermont in 1919, 92.5 per cent were in classes having no wage earners or less than 101, and such enterprises employed 58.5 per cent of the total number of wage earners. Enterprises employing more than 100 wage earners numbered 7 and constituted 7.5 per cent of the total number of enterprises, and employed 41.5 of the total number of wage earners. These larger enterprises were all in the principal quarrying industries—granite, marble, and slate.

Table 5 shows that in 57.6 per cent of all enterprises employing wage earners and for 52.1 per cent of the wage earners the hours of labor were 54 to 62 per week. In the marble and slate industries the 9-hour day prevailed, while in the granite industry shorter hours were reported.

The statistics for wage earners given in Table 6, showing the changes in the number employed month by month, reflect conditions prevailing in the 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.

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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.....	93	137	-32.1	Capital.....	\$10,710,058	\$13,992,096	-23.5
Number of mines and quarries.....	109	182	-40.1	Principal expenses:			
Persons engaged.....	3,239	8,658	-62.6	Salaries.....	448,733	870,237	21.2
Proprietors and firm members, total.....	60	160	-62.5	Wages.....	3,041,551	4,449,315	-31.6
Number performing manual labor in or about the mines and quarries.....	18	69	-----	Contract work.....	91,750	64,898	41.8
Salaried employees.....	243	353	-31.2	Supplies and materials.....	1,272,796	905,157	40.6
Wage earners (average number).....	2,936	8,145	-64.0	Fuel and power.....	425,398	382,438	17.4
Power used (horsepower).....	28,119	25,668	9.5	Royalties and rents.....	58,506	84,332	-30.6
				Taxes.....	306,564	72,147	324.9
				Value of products.....	8,555,030	8,221,323	4.1

<sup>1</sup> A minus sign (-) denotes decrease. Percentages are omitted where base is less than 100.

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.....	93	2,936	100.0	\$8,555,030	100.0	Slate.....	38	1,039	35.4	\$2,057,388	24.0
Granite.....	27	1,062	36.2	3,563,734	41.7	Talc and soapstone.....	6	195	6.6	663,261	7.8
Marble.....	15	570	19.4	2,108,872	24.7	Limestone.....	4	40	1.4	76,152	0.9
						All other industries <sup>1</sup> .....	3	30	1.0	85,623	1.0

<sup>1</sup> Includes enterprises in industries as follows: Clay, 1; copper, 2.

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.....	93	2,936	\$8,555,030	\$91,990	100.0	100.0	100.0
Corporation.....	57	2,461	7,596,820	133,278	61.3	83.8	88.8
Individual.....	19	215	543,725	28,617	20.4	7.3	6.4
Firm <sup>1</sup> .....	17	260	414,485	24,381	18.3	8.9	4.8
GRANITE.....	27	1,062	3,563,734	131,990	100.0	100.0	100.0
Corporation.....	13	919	3,153,017	242,540	48.1	86.5	88.5
Individual and firm.....	14	143	410,717	29,337	51.9	13.5	11.5
MARBLE AND LIMESTONE.....	19	610	2,135,024	115,001	100.0	100.0	100.0
Corporation.....	16	593	2,154,096	134,631	84.2	97.2	98.6
Individual.....	3	17	30,928	10,309	15.8	2.8	1.4
SLATE.....	38	1,039	2,057,388	54,142	100.0	100.0	100.0
Corporation.....	21	742	1,605,968	76,475	55.3	71.4	78.1
Individual.....	8	52	89,790	29,930	7.9	5.0	4.4
Firm <sup>1</sup> .....	14	245	361,630	25,831	36.8	23.6	17.6

<sup>1</sup> Includes 1 other form of organization.

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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 distribution.	Number.	Per cent distribution.		Number.	Per cent distribution.	Number.	Per cent distribution.
ALL INDUSTRIES.....	93	100.0	2,936	100.0	MARBLE.....	15	100.0	570	100.0
No wage earners.....	1	1.1	.....	.....	1 to 5.....	2	13.3	3	0.5
1 to 5.....	21	22.6	59	2.0	6 to 20.....	6	40.0	71	12.5
6 to 20.....	32	34.4	375	12.8	21 to 50.....	5	33.3	153	26.8
21 to 50.....	25	26.9	738	25.3	101 to 500.....	2	13.3	343	60.2
51 to 100.....	7	7.5	496	16.9					
101 to 500.....	7	7.5	1,218	41.5					
GRANITE.....	27	100.0	1,062	100.0	TALC AND SOAPSTONE.....	6	100.0	195	100.0
No wage earners.....	1	3.7	.....	.....	6 to 20.....	3	50.0	38	19.5
1 to 5.....	11	40.7	25	2.4	21 to 50.....	1	16.7	23	11.8
6 to 20.....	4	14.8	51	4.8	51 to 100.....	2	33.3	134	68.7
21 to 50.....	6	22.2	211	19.9					
51 to 100.....	2	7.4	145	13.7	LIMESTONE.....	4	100.0	40	100.0
101 to 500.....	3	11.1	630	59.3	1 to 5.....	1	25.0	5	12.5
SLATE.....	38	100.0	1,039	100.0	6 to 20.....	2	50.0	12	30.0
1 to 5.....	6	15.8	23	2.2	21 to 50.....	1	25.0	23	57.5
6 to 20.....	15	39.5	176	16.0					
21 to 50.....	12	31.6	378	36.4					
51 to 100.....	3	7.9	217	20.9					
101 to 500.....	2	5.3	245	23.6					

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—				INDUSTRY.	TOTAL.		NUMBER WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—			
	Enter-prises.	Wage earners.	36 to 43.		54 to 62.			Enter-prises.	Wage earners.	36 to 43.		54 to 62.	
			Enter-prises.	Wage earners.	Enter-prises.	Wage earners.				Enter-prises.	Wage earners.	Enter-prises.	Wage earners.
All industries.....	192	2,936	39	1,405	53	1,531	Marble.....	15	570	.....	.....	15	570
Granite.....	126	1,062	26	1,062	.....	.....	Talc and soapstone.....	6	195	.....	.....	6	195
Slate.....	38	1,039	11	335	27	704	Limestone.....	4	40	1	5	3	35
							All other.....	3	30	1	3	2	27

\* Exclusive of 1 enterprise employing no wage earners.

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.	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.....	2,936	2,725	2,838	2,721	2,856	3,015	3,156	3,146	2,877	2,860	3,005	3,082	3,091	85.5
Granite.....	1,062	855	907	892	1,003	1,060	1,171	1,171	1,135	1,132	1,170	1,098	1,100	72.2
Slate.....	1,039	983	975	981	1,039	1,099	1,162	1,180	871	855	976	1,149	1,167	73.8
Marble.....	570	508	530	566	585	614	601	572	579	588	600	561	538	82.4
Talc and soapstone.....	195	234	180	172	193	189	188	171	191	201	211	220	248	65.9
Limestone.....	40	40	34	39	36	61	48	41	38	41	35	39	28	45.9
All other industries.....	30	107	71	71	10	12	12	11	13	13	13	15	12	9.3

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TABLE 7.—DETAILED STATISTICS FOR MINING INDUSTRIES: 1919.

	PRODUCING ENTERPRISES.						
	Total.	Granite.	Marble.	Slate.	Talc and soapstone.	Limestone.	All other. <sup>1</sup>
Number of enterprises.....	93	27	15	33	6	4	3
Number of mines and quarries.....	109	31	25	39	7	4	3
Capital.....	\$10,710,058	\$3,202,754	\$3,627,551	\$2,212,813	\$1,241,879	\$151,061	\$274,000
Principal expenses:							
Salaries and wages—							
Officers.....	\$192,907	\$78,887	\$30,024	\$52,027	\$31,969		
Superintendents and managers.....	\$166,919	\$47,853	\$13,189	\$34,472	\$30,124	\$4,315	\$8,966
Technical employees.....	\$5,653	\$1,063	\$1,200	\$1,575		\$500	\$1,375
Clerks, etc.....	\$83,254	\$21,109	\$25,554	\$26,129	\$7,009	\$2,478	\$975
Wage earners.....	\$3,041,551	\$1,225,256	\$553,075	\$976,143	\$214,823	\$35,793	\$36,461
Supplies and materials.....	\$1,272,796	\$778,489	\$180,320	\$226,644	\$58,623	\$24,460	\$4,260
Fuel.....	\$220,276	\$135,472	\$13,349	\$25,838	\$32,615	\$5,690	\$7,312
Power.....	\$205,122	\$39,379	\$37,211	\$97,221	\$28,270	\$990	\$2,051
Royalties and rents.....	\$58,506	\$7,609	\$10,700	\$34,103	\$6,094		
Taxes.....	\$306,564	\$132,786	\$86,185	\$23,768	\$12,500	\$795	\$530
Contract work.....	\$91,750	\$61,930		\$10,637	\$19,133		
Expenditures for development (included in the above items).....	\$36,499	\$25,444	\$500	\$10,555			
Value of products.....	\$8,555,030	\$3,563,734	\$2,108,872	\$2,057,388	\$663,261	\$76,152	\$35,623
Persons engaged in industry.....	3,239	1,138	610	1,171	226	52	42
Proprietors and firm members (total).....	60	16		38	1	3	2
Number performing manual labor.....	18	7		11			
Salaried officers.....	52	14	3	25	10		
Superintendents and managers.....	86	21	6	37	14	4	4
Technical employees.....	11	2	1	3		1	4
Clerks, etc.....	94	23	30	29	6	4	2
Wage earners (average number).....	2,930	1,002	570	1,039	195	40	30
Wage earners by occupation (Dec. 15):							
Above ground (total).....	2,983	1,112	599	994	172	51	55
Below ground (total).....	399			208	73		58
Foremen, shift bosses, etc.—							
Above ground.....	104	62	20	65	8	2	7
Below ground.....	15			8	4		3
Engineers, hoistmen, electricians, mechanics, etc.—							
Above ground.....	388	141	33	128	15	4	17
Below ground.....	7			2	3		2
Miners, quarrymen, and drillmen, including their helpers—							
Above ground.....	1,420	668	341	404		4	3
Below ground.....	175			148	17		10
Timbermen, trackmen, and men engaged in hauling, tramming, etc.—							
Above ground.....	55	23	9	7	3	11	2
Below ground.....	23				15		8
Muckers, loaders, laborers, and others not classified—							
Above ground.....	358	135	18	160	12	28	5
Below ground.....	119			50	34		35
Wage earners employed in mills and beneficiating plants—							
Above ground.....	648	83	178	230	134	2	21
Mineral land operated..... acres.....	16,048	1,987	9,448	1,355	2,733	80	445
Land controlled, total..... acres.....	18,109	2,748	9,670	2,323	2,745	83	600
Mineral land owned.....	14,417	1,932	8,408	825	2,727	80	445
Mineral land leased.....	1,631	55	1,040	530	6		
Timber and other lands owned and leased.....	2,121	761	222	968	12	3	155
Power used: Aggregate horsepower.....	28,119	10,789	7,354	6,447	2,073	483	973
Prime movers (horsepower, total).....	8,990	6,112	910	458	527	408	575
Steam engines—							
Number.....	120	88	7	12	6	6	1
Horsepower.....	5,887	3,837	690	357	520	408	75
Steam turbines—							
Number.....	1	1					
Horsepower.....	1,500	1,500					
Internal-combustion engines—							
Number.....	3	2			1		
Horsepower.....	32	25			7		
Water wheels and turbines—							
Number.....	7	2	1	2			2
Horsepower.....	1,571	750	220	101			500
Purchased power (horsepower, total).....	19,129	4,677	6,444	5,989	1,546	75	398
Electric motors operated by purchased current—							
Number.....	696	86	310	237	44	3	16
Horsepower.....	19,109	4,657	6,444	5,989	1,546	75	398
Other equipment operated by purchased power—							
Horsepower.....	20	20					
Electric motors run by current generated by enterprise using:							
Number.....	26		9	4		5	8
Horsepower.....	664		245	44		195	180
Fuel used:							
Coal, anthracite..... tons, 2,240 pounds.....	2,328	1,561	206	156	405		
Coal, bituminous..... tons, 2,000 pounds.....	24,886	14,537	2,035	3,578	2,849	887	1,000
Coke..... tons, 2,000 pounds.....	218				218		
Wood..... cords.....	261	140	23	39	57	2	
Gasoline and other volatile oils..... barrels.....	67	15			50		

<sup>1</sup> Includes enterprises as follows: Clay, 1; copper, 2.<sup>2</sup> Includes 3 female wage earners reported by 1 enterprise.