

DEPARTMENT OF COMMERCE

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

IOWA

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



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1924

DEPARTMENT OF COMMERCE.

HERBERT HOOVER, SECRETARY OF COMMERCE.

BUREAU OF THE CENSUS.

Chief functions.

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

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

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

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

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

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

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

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

BUREAU OF FOREIGN AND DOMESTIC COMMERCE.

Chief functions.

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

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

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

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

The publication of official statistics on imports and exports.

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

BUREAU OF STANDARDS.

Chief functions.

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

Determination of physical constants and properties of materials.

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

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

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

Studies on simplified commercial practices and the establishment of such practices through cooperative business organizations.

The Bureau publishes six series of scientific and technical publications, reporting the results of its researches and giving technical data fundamental to industry.

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

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. ¹	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	10,451,851	82,730,315	4,931,905	6.0
2	GEOGRAPHIC DIVS.:														
3	New England.....	7,400,909	3,672,591	3,728,318	2,803,149	2,642,276	1,870,654	25.3	70,051	1.1	1,708,290	1,223,623	5,945,089	280,700	4.9
4	Middle Atlantic.....	22,261,144	11,206,445	11,054,699	9,631,012	7,088,253	4,912,675	22.1	600,183	2.7	5,527,757	3,746,560	17,066,364	865,382	4.9
5	E. North Central.....	21,475,543	11,035,041	10,440,502	11,790,370	5,925,213	3,223,279	15.0	514,554	2.4	5,350,937	3,728,708	17,130,783	496,470	2.9
6	W. North Central.....	12,544,249	6,459,067	6,085,182	7,475,548	3,977,878	1,371,061	10.9	278,521	2.2	3,393,143	2,420,920	9,880,740	103,221	2.0
7	South Atlantic.....	13,990,272	7,035,843	6,954,429	8,779,416	553,604	315,020	2.3	4,325,120	30.0	4,323,020	2,818,408	10,513,447	1,212,042	11.5
8	E. South Central.....	8,893,307	4,471,690	4,421,617	6,092,782	202,826	71,930	0.8	2,523,532	28.4	2,818,505	1,858,050	6,677,220	845,450	12.7
9	W. South Central.....	10,242,224	5,265,829	4,976,395	6,959,785	690,600	450,333	4.5	2,063,579	20.1	3,259,000	2,007,506	7,739,530	773,637	10.0
10	Mountain.....	3,336,101	1,789,299	1,546,802	2,002,508	757,166	453,225	13.6	30,801	0.9	896,406	550,938	2,504,403	132,659	5.2
	Pacific.....	5,566,871	2,964,026	2,602,245	2,887,387	1,432,379	1,033,808	18.6	47,790	0.9	1,227,208	900,734	4,011,771	123,435	2.7
11	NEW ENGLAND:														
12	Maine.....	708,014	338,752	379,262	495,780	162,566	107,349	14.0	1,310	0.2	188,822	134,209	621,233	20,240	3.3
13	New Hampshire.....	443,083	222,112	220,971	225,512	125,586	91,233	20.6	921	0.1	104,581	73,093	361,930	15,788	4.4
14	Vermont.....	352,428	178,854	173,574	228,325	78,066	44,520	12.6	672	0.2	87,302	62,544	284,472	8,488	3.0
15	Massachusetts.....	3,852,356	1,890,014	1,962,342	1,230,773	1,495,217	1,077,534	28.0	45,400	1.2	907,212	633,124	3,106,769	146,607	4.7
16	Rhode Island.....	604,397	297,524	306,873	173,553	246,928	173,499	28.7	10,036	1.7	149,774	95,490	483,788	31,312	6.5
17	Connecticut.....	1,380,631	695,335	685,296	449,206	533,013	376,513	27.3	21,046	1.5	330,509	225,094	1,087,707	67,205	6.2
18	MIDDLE ATLANTIC:														
19	New York.....	10,385,227	5,187,350	5,197,877	3,668,266	3,717,640	2,786,112	26.8	198,483	1.9	2,461,306	1,656,905	8,402,786	425,022	5.1
	New Jersey.....	3,156,900	1,590,075	1,565,825	1,212,675	1,085,709	738,013	23.4	117,132	3.7	780,040	525,079	2,404,240	127,661	5.1
	Pennsylvania.....	8,720,017	4,429,020	4,290,997	4,760,071	2,294,805	1,387,860	15.9	284,568	3.3	2,280,411	1,563,676	6,709,322	312,090	4.6
20	E. NORTH CENTRAL:														
21	Ohio.....	5,759,394	2,955,980	2,803,414	3,669,122	1,224,074	678,097	11.8	186,187	3.2	1,386,709	989,417	4,024,450	131,006	2.8
22	Indiana.....	2,930,390	1,489,074	1,441,316	2,320,544	368,559	180,868	5.1	80,810	2.8	745,281	515,237	2,350,214	52,034	2.2
23	Illinois.....	6,485,280	3,304,833	3,180,447	3,066,503	2,025,819	1,206,051	18.6	182,274	2.8	1,619,847	1,108,216	5,184,943	173,987	3.4
24	Michigan.....	3,698,412	1,928,436	1,769,976	1,670,447	1,204,545	726,035	19.8	60,082	1.0	893,744	626,105	2,895,000	88,046	3.0
	Wisconsin.....	2,632,067	1,356,718	1,275,349	1,054,694	1,102,116	460,128	17.5	6,201	0.2	704,966	489,071	2,069,567	50,397	2.4
25	W. NORTH CENTRAL:														
26	Minnesota.....	2,387,125	1,245,537	1,141,588	827,627	1,055,145	480,104	20.4	8,809	0.4	643,287	451,006	1,877,132	34,487	1.8
27	Iowa.....	2,404,021	1,229,392	1,174,629	1,528,553	629,981	225,047	9.4	19,005	0.8	627,248	454,078	1,913,155	20,080	1.1
28	Missouri.....	3,404,055	1,723,319	1,680,736	2,536,936	602,082	186,026	5.5	178,241	5.2	901,694	624,305	2,737,771	83,403	3.0
29	North Dakota.....	646,872	341,673	305,199	207,966	300,485	131,503	20.3	487	0.1	198,020	140,280	470,210	9,937	2.1
30	South Dakota.....	636,547	337,120	299,427	308,598	228,158	82,391	12.9	832	0.1	181,271	131,943	482,195	8,109	1.7
31	Nebraska.....	1,296,372	672,805	623,567	757,064	372,503	149,682	11.5	13,242	1.0	358,143	256,091	1,012,552	13,784	1.4
	Kansas.....	1,769,267	906,221	860,036	1,308,804	289,524	110,578	6.2	57,925	3.3	483,480	350,107	1,306,725	22,821	1.6
32	SOUTH ATLANTIC:														
33	Delaware.....	223,003	113,755	109,248	130,876	32,929	19,810	8.9	30,335	13.6	54,739	37,759	178,030	10,508	5.9
34	Maryland.....	1,449,661	729,455	720,206	893,088	209,472	102,177	7.0	244,479	16.9	381,106	246,050	1,158,053	64,434	5.6
35	Dist. Columbia.....	437,571	203,543	234,028	239,488	58,824	28,548	6.5	109,960	25.1	89,031	58,005	377,205	10,509	2.8
36	Virginia.....	2,309,187	1,108,492	1,140,695	1,534,494	52,630	30,785	1.3	690,017	20.0	709,980	460,037	1,748,868	195,159	11.2
37	West Virginia.....	1,463,701	703,100	700,601	1,232,857	82,472	61,906	4.2	86,345	5.9	437,703	297,044	1,083,395	69,413	6.4
38	North Carolina.....	2,559,123	1,279,062	1,280,061	1,765,203	11,477	7,009	0.3	763,407	29.8	830,574	576,239	1,844,073	241,003	13.1
39	South Carolina.....	1,683,724	838,293	845,431	799,418	12,719	6,401	0.4	804,719	51.4	576,564	393,077	1,210,310	220,667	18.1
40	Georgia.....	2,895,832	1,444,823	1,451,009	1,642,697	30,231	10,186	0.6	1,206,365	41.7	953,304	570,380	2,150,230	328,838	15.3
	Florida.....	998,470	495,320	473,150	532,295	62,850	43,008	4.4	829,487	34.0	280,719	179,803	751,787	71,811	9.6
41	E. SOUTH CENTRAL:														
42	Kentucky.....	2,416,630	1,227,494	1,189,136	2,039,134	110,646	30,780	1.3	235,938	9.8	717,067	480,520	1,837,434	155,014	8.4
43	Tennessee.....	2,337,835	1,173,087	1,163,918	1,832,757	37,758	15,478	0.7	451,758	19.3	724,688	488,543	1,770,702	182,620	10.3
44	Alabama.....	2,348,174	1,173,105	1,175,069	1,594,129	35,241	17,062	0.8	900,652	38.4	774,048	490,888	1,730,421	278,082	16.1
	Mississippi.....	1,790,618	897,124	893,494	820,762	19,181	8,019	0.4	935,184	52.2	602,192	389,702	1,338,612	229,734	17.2
45	W. SOUTH CENTRAL:														
46	Arkansas.....	1,752,204	895,228	856,976	1,226,692	39,090	13,975	0.8	472,220	27.0	509,870	375,115	1,302,005	121,837	9.4
47	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	209,092	21.9
48	Oklahoma.....	2,028,283	1,058,044	970,239	1,679,107	102,119	39,968	2.0	149,408	7.4	847,939	444,247	1,513,951	56,804	3.8
	Texas.....	4,663,228	2,409,222	2,254,006	3,112,262	445,384	300,519	7.7	741,694	15.9	1,466,989	950,688	3,556,614	295,844	8.3
49	MOUNTAIN:														
50	Montana.....	548,889	299,041	248,948	275,803	164,837	93,620	17.1	1,658	0.3	135,886	102,621	421,443	9,544	2.3
51	Idaho.....	431,866	233,919	197,947	294,252	92,453	38,993	9.0	920	0.2	122,278	95,027	326,051	4,024	1.5
52	Wyoming.....	194,042	110,359	84,043	122,684	42,007	25,255	13.0	1,375	0.7	47,474	34,387	150,993	3,149	2.2
53	Colorado.....	989,629	492,731	446,898	603,041	204,108	116,954	12.4	11,313	1.2	239,926	175,745	747,485	24,208	3.2
54	New Mexico.....	360,350	190,456	169,894	273,317	32,270	29,077	8.1	5,733	1.6	109,738	75,119	267,595	41,637	15.6
55	Arizona.....	334,162	183,602	150,560	151,145	62,205	78,099	23.4	8,005	2.4	89,464	64,387	255,461	39,131	15.3
56	Utah.....	.....												

¹ 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").
² Continental United States only. The total population of the United States, including outlying possessions, is 117,823,165, as follows: Continental United States, 105,710,620; Alaska, 55,036; Hawaii, 255,912; Porto Rico, 1,299,809; American Samoa, 8,056; Guam, 13,276; Panama Canal Zone, 22,858; Philippine Islands, 10,314,330 (Dec. 31, 1918); Virgin Islands, 29,051 (Nov. 1, 1917); military and naval, etc., services abroad, 117,23

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.									Farm population, 1920	Number of farms, 1920	Per cent operated by tenants.	LAND IN FARMS, 1920				
All classes.			Native white.	Foreign-born white.			Negro.					Total (acres).	Average per farm.	Improved (acres).	Per cent improved.	
Total.	Illiterate.			Total.	Naturalized.	Per cent illiterate.	Total.	Per cent illiterate.								
	Number.	Per cent.														
60,886,520	4,333,111	7.1	42,614,741	12,488,720	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	52.0	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	4,477,752	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
13,025,696	480,238	3.7	9,676,916	2,878,575	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	180,010	2.5	5,777,875	1,291,794	874,132	6.5	187,865	12.5	5,171,596	1,096,951	34.2	250,973,229	234.3	171,894,439	68.7	5
7,212,623	1,006,764	14.0	4,805,560	287,215	131,423	13.5	2,111,952	31.5	6,416,698	1,168,976	46.8	97,775,243	84.4	48,509,886	49.0	6
4,523,944	700,098	15.5	3,171,417	67,242	38,335	9.3	1,284,009	34.1	5,182,937	1,051,600	40.7	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	990,088	52.9	173,449,127	174.1	64,189,006	37.0	8
1,888,921	113,384	6.0	1,421,869	394,008	210,864	12.7	23,881	5.8	1,168,367	244,109	15.4	117,337,220	480.7	30,105,868	25.7	9
3,670,777	116,240	3.2	2,584,988	939,623	482,872	8.8	34,367	5.4	1,014,173	234,164	20.1	50,152,705	239.8	23,921,638	42.6	10
475,191	18,572	3.9	379,350	94,829	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	70,021	20,523	6.7	2,603,806	128.9	702,902	27.0	12
217,042	8,152	3.8	178,442	38,232	19,825	12.6	342	8.2	125,263	29,075	11.6	4,235,811	145.7	1,691,595	39.9	13
2,411,507	142,750	5.9	1,389,441	988,913	441,410	13.5	30,412	8.2	118,554	32,001	7.1	2,494,477	77.9	968,884	36.4	14
368,637	30,819	8.2	204,916	156,866	78,175	17.5	6,554	12.6	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	701,080	36.9	16
6,614,681	415,359	6.4	3,892,852	2,528,497	1,153,813	15.2	142,544	3.4	800,747	193,195	19.2	20,632,803	106.8	13,158,761	63.8	17
1,897,884	124,358	6.6	1,145,506	675,222	305,516	16.3	75,071	7.5	143,708	29,702	23.0	2,282,555	76.8	1,555,007	68.2	18
5,039,091	303,865	6.0	3,671,008	1,274,033	565,290	20.1	191,226	7.3	948,334	202,250	21.9	17,667,513	87.3	11,847,719	67.1	19
3,558,481	126,645	3.6	2,807,874	622,523	293,535	13.4	120,940	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	140,973	63,567	12.4	53,985	11.7	907,285	205,126	32.0	21,003,332	102.7	16,680,212	79.2	21
3,944,197	169,127	4.3	2,084,677	1,117,928	630,446	11.7	128,450	7.9	1,098,262	237,181	42.7	31,974,775	134.8	27,294,533	86.4	22
2,215,436	85,613	3.9	1,564,907	665,160	330,958	10.5	43,407	4.9	848,710	196,447	17.7	19,032,961	96.9	12,825,521	67.9	23
1,527,661	48,706	3.2	1,084,382	434,691	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
1,380,834	32,809	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	984,709	213,439	41.7	33,474,806	156.8	28,606,951	85.5	26
2,038,814	77,348	3.8	1,743,813	173,551	104,448	10.0	121,328	14.3	1,211,946	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	336	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	287,595	78,027	55,164	4.9	520	5.7	362,221	74,637	34.9	34,036,491	464.1	18,199,250	52.5	29
738,310	12,972	1.8	585,753	140,899	89,788	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	737,877	165,286	40.4	45,425,170	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
832,391	58,877	6.8	626,388	93,624	49,764	14.3	141,991	22.2	279,225	47,908	28.9	4,757,990	90.3	3,136,728	65.9	33
805,255	10,190	3.3	204,804	26,376	14,712	6.4	73,448	10.7	894	204	41.7	5,068	27.8	4,258	75.1	34
1,207,074	162,376	13.5	827,272	27,851	14,057	7.5	351,231	20.3	1,064,417	186,242	25.6	18,561,112	90.7	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	10.2	9,599,790	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	269,763	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	12,420,675	64.5	6,184,159	49.8	38
1,421,606	201,294	18.4	831,173	14,855	8,310	5.6	575,330	35.8	1,685,213	310,732	66.6	25,441,061	81.9	13,055,209	51.3	39
536,614	58,497	10.9	310,746	38,370	16,109	6.6	181,008	24.8	281,893	54,005	25.8	6,046,691	112.0	2,297,271	38.0	40
1,280,496	136,235	10.6	1,116,087	29,488	18,493	7.5	143,881	26.4	1,304,862	270,626	33.4	21,612,772	70.9	13,975,746	64.7	41
1,214,947	153,163	12.6	955,125	14,319	7,708	8.7	245,395	26.9	1,271,708	252,774	41.1	19,510,856	77.2	11,185,802	57.3	42
1,143,395	228,565	20.0	685,926	16,105	8,608	11.3	441,130	38.8	1,835,885	256,099	57.9	19,676,856	76.4	9,808,407	50.5	43
876,106	182,135	20.8	414,329	7,330	3,631	13.4	453,663	35.9	1,270,482	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	7,589	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	15,190	22.6	359,251	43.8	786,050	135,463	57.1	10,019,822	74.0	5,620,226	56.2	46
1,021,588	48,076	4.7	884,745	36,108	19,872	13.4	76,331	16.4	1,017,327	191,988	51.0	31,951,984	166.4	18,125,321	56.7	47
2,430,715	238,894	9.6	1,777,552	266,718	72,121	33.3	384,428	23.4	2,277,773	436,038	53.3	114,020,621	261.5	31,227,503	27.4	48
320,562	9,071	2.8	226,355	85,709	50,627	6.0	1,262	6.7	225,667	57,677	11.8	35,070,656	608.1	11,007,278	31.4	49
234,076	4,610	1.9	193,818	36,170	23,894	6.6	699	5.9	200,902	42,106	15.9	8,375,873	198.9	4,611,680	53.9	50
115,739	2,940	2.5	89,625	23,057	12,008	9.2	1,065	6.1	67,305	15,748	12.5	11,809,351	749.9	2,102,005	17.8	51
564,529	22,080	3.9	448,781	105,017	62,318	12.8	8,106	7.4	266,073	59,934	23.0	24,462,014	408.1	7,744,757	31.7	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	108,656	55,973	10,708	28.7	6,559	4.8	90,560	9,975	18.1	5,802,126	581.7	712,893	12.3	54
228,682	5,679															

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

Table continued from preceding page.]

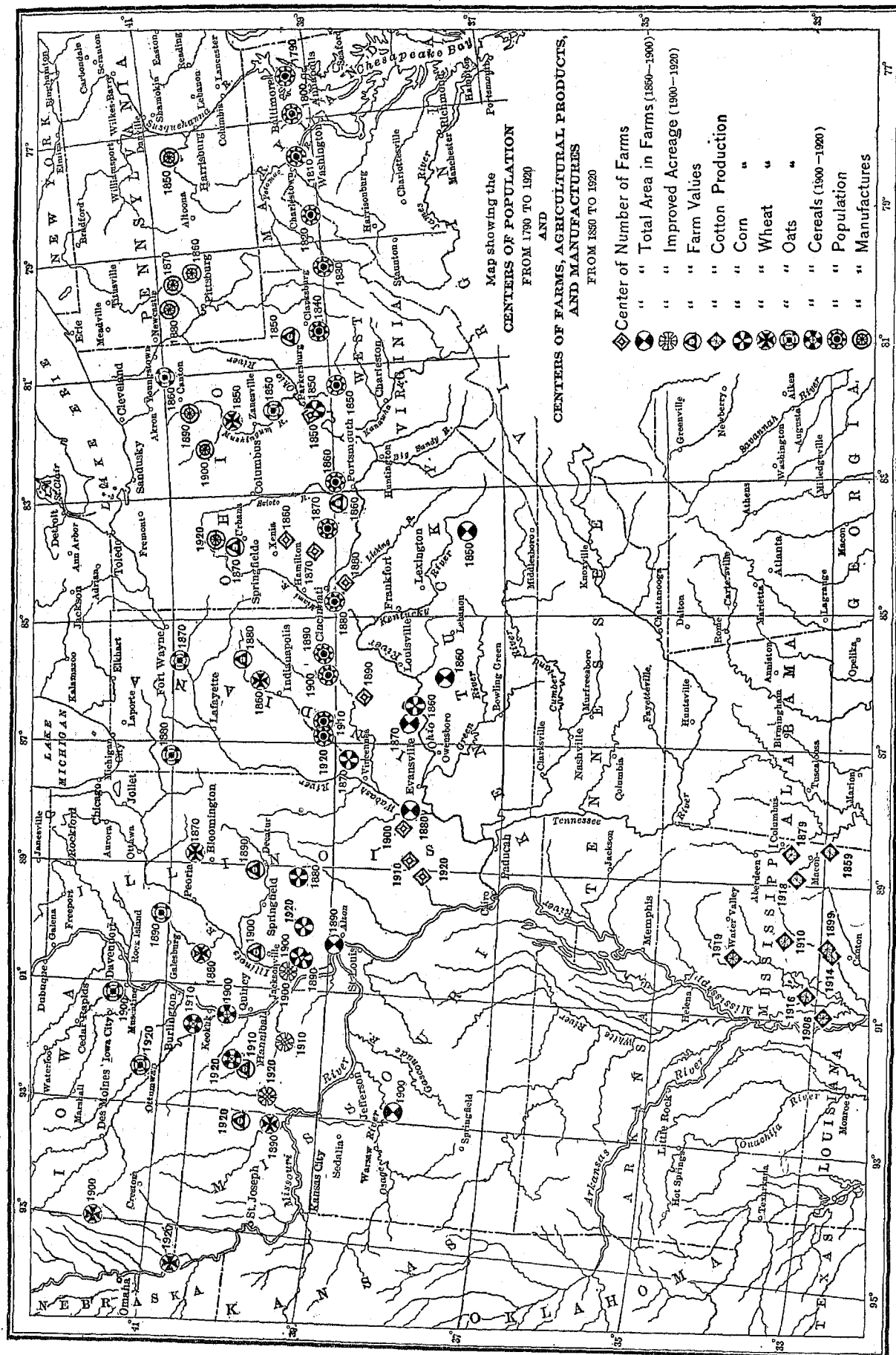
AGRICULTURE—Continued.										
DIVISION AND STATE.	VALUE OF FARM PROPERTY: 1920				VALUE OF FARM PRODUCTS: 1919					
	Total.	Land and buildings.	Implements and machinery.	Live stock.	Total (gross value.) ¹	Live-stock products ²	Domestic animals sold, etc. ³	Crops.	Miscellaneous products. ⁴	
	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	
1 United States.....	77,924,100,383	66,316,002,602	3,594,772,928	8,013,324,808	21,425,623,614	2,667,072,273	3,511,050,000	14,755,364,894	492,138,447	
GEOGRAPHIC DIVISIONS:										
2 New England.....	1,173,019,594	917,408,584	92,387,525	163,163,485	505,397,039	132,411,030	55,500,000	275,175,536	42,310,473	
3 Middle Atlantic.....	3,949,084,183	3,002,137,754	359,152,338	588,394,093	1,561,158,784	412,900,765	170,200,000	914,499,027	63,498,092	
4 East North Central.....	17,245,302,593	14,937,641,671	786,076,805	1,521,644,117	4,410,240,080	721,387,462	784,200,000	2,818,367,702	80,285,426	
5 West North Central.....	27,901,434,545	24,469,405,169	1,162,938,264	2,359,001,112	5,581,297,432	550,742,614	1,312,000,000	3,070,902,140	41,052,669	
6 South Atlantic.....	6,182,617,760	5,201,778,472	283,980,857	647,163,431	2,620,345,406	204,301,963	221,550,000	2,083,808,429	119,685,074	
7 East South Central.....	4,419,466,237	3,663,693,363	176,064,886	579,707,988	1,795,544,716	160,643,789	250,500,000	1,306,179,989	73,220,938	
8 West South Central.....	7,622,066,027	6,291,188,072	311,098,790	1,019,779,165	2,739,481,559	181,346,648	352,200,000	2,168,622,649	37,312,262	
9 Mountain.....	4,083,137,939	3,163,187,783	190,715,673	729,234,483	921,882,633	121,132,969	230,700,000	562,954,399	7,095,265	
10 Pacific.....	5,307,011,460	4,669,416,734	232,357,792	405,236,934	1,281,275,305	183,145,033	127,600,000	948,854,024	21,676,248	
NEW ENGLAND:										
11 Maine.....	270,526,733	204,108,971	26,637,560	39,780,102	154,076,196	26,075,219	15,700,000	100,152,324	12,148,653	
12 New Hampshire.....	118,656,115	89,995,870	9,499,322	19,100,923	61,771,331	14,681,368	7,700,000	23,509,665	5,830,298	
13 Vermont.....	222,736,620	159,117,159	21,234,130	42,385,331	90,473,142	31,573,340	13,300,000	47,999,600	6,000,202	
14 Massachusetts.....	300,471,743	247,587,831	19,359,755	33,524,157	109,223,194	35,850,392	10,900,000	53,700,925	10,771,377	
15 Rhode Island.....	33,636,766	26,387,926	2,408,561	4,840,279	13,682,138	5,367,881	1,300,000	5,340,378	1,673,870	
16 Connecticut.....	226,901,617	190,270,827	13,248,097	23,472,693	77,171,038	20,862,330	6,000,000	44,472,644	5,236,064	
MIDDLE ATLANTIC:										
17 New York.....	1,908,483,201	1,425,061,740	169,866,766	313,554,695	734,823,392	225,465,739	71,000,000	417,046,864	30,310,789	
18 New Jersey.....	311,847,048	250,323,986	25,459,205	36,064,757	135,000,544	31,432,945	8,700,000	87,484,186	7,333,413	
19 Pennsylvania.....	1,729,353,034	1,326,752,028	163,826,365	238,774,641	682,334,848	156,012,081	90,500,000	409,968,877	25,853,890	
EAST NORTH CENTRAL:										
20 Ohio.....	3,095,666,336	2,661,435,949	146,575,269	287,655,118	941,729,697	155,587,919	159,400,000	607,037,562	19,704,216	
21 Indiana.....	3,042,311,247	2,653,643,973	127,403,088	261,204,188	782,101,167	99,350,023	171,100,000	497,229,719	14,421,425	
22 Illinois.....	6,666,767,235	5,997,993,566	222,619,605	446,154,064	1,208,906,947	142,351,262	274,800,000	864,737,833	17,017,852	
23 Michigan.....	1,763,334,778	1,436,686,210	122,339,936	204,258,632	600,886,581	111,076,285	75,600,000	404,014,810	16,195,536	
24 Wisconsin.....	2,077,282,997	2,187,881,973	167,088,909	322,312,115	780,616,288	213,022,023	103,300,000	445,347,808	18,946,397	
WEST NORTH CENTRAL:										
25 Minnesota.....	3,787,420,118	3,301,168,325	181,087,968	305,163,825	734,485,441	113,236,965	104,000,000	506,020,233	11,228,243	
26 Iowa.....	8,624,870,356	7,601,772,200	309,172,398	613,926,268	1,447,938,473	130,250,447	420,300,000	800,391,299	6,990,727	
27 Missouri.....	3,591,068,085	3,062,967,700	138,261,340	389,839,045	952,063,253	105,601,436	270,800,000	559,047,854	17,213,963	
28 North Dakota.....	1,759,742,995	1,488,521,495	114,186,865	157,034,635	368,055,889	30,979,932	34,900,000	301,782,935	393,022	
29 South Dakota.....	2,823,870,212	2,472,893,681	112,403,268	238,568,263	411,111,307	35,739,209	63,700,000	311,006,809	665,289	
30 Nebraska.....	4,201,655,992	3,712,107,760	153,104,448	336,443,784	784,677,206	54,612,075	208,700,000	519,729,771	1,635,360	
31 Kansas.....	3,302,806,187	2,830,063,918	164,716,977	318,025,292	882,365,863	80,322,550	210,200,000	588,923,248	2,920,065	
SOUTH ATLANTIC:										
32 Delaware.....	80,137,614	64,755,631	6,781,318	8,600,665	32,182,526	5,778,747	2,400,000	23,058,906	944,873	
33 Maryland.....	463,638,120	385,506,850	28,970,020	48,071,250	158,178,770	25,522,172	10,800,000	109,858,608	5,997,999	
34 District of Columbia.....	5,927,987	5,577,369	104,262	246,366	1,019,770	119,263	50,000	307,614	542,893	
35 Virginia.....	1,196,565,772	1,024,435,025	50,161,466	121,969,281	425,199,212	46,811,494	61,100,000	292,824,260	24,963,458	
36 West Virginia.....	406,439,617	410,783,406	18,395,058	67,261,153	160,060,516	26,332,970	34,600,000	90,537,459	11,596,087	
37 North Carolina.....	1,250,160,905	1,076,392,960	54,621,363	119,152,672	614,084,854	35,860,056	41,600,000	503,229,313	33,395,485	
38 South Carolina.....	953,064,742	813,484,200	48,062,887	91,618,155	499,979,710	20,354,000	18,000,000	437,121,837	14,503,813	
39 Georgia.....	1,356,085,196	1,138,298,627	63,343,220	155,043,349	638,430,053	30,401,316	39,000,000	540,613,626	22,415,111	
40 Florida.....	330,301,717	281,449,404	13,551,773	35,800,540	101,204,046	7,621,885	8,000,000	80,256,806	5,325,355	
EAST SOUTH CENTRAL:										
41 Kentucky.....	1,511,901,077	1,305,158,936	43,354,857	158,387,284	512,469,424	50,928,217	96,800,000	347,338,888	17,392,319	
42 Tennessee.....	1,261,964,585	1,024,979,894	53,462,553	173,522,135	492,407,214	50,990,694	101,000,000	318,285,307	22,161,213	
43 Alabama.....	690,348,729	543,657,755	34,366,217	112,824,748	383,178,279	30,426,993	29,100,000	304,348,638	10,302,648	
44 Mississippi.....	964,751,855	789,896,778	39,881,256	134,973,821	407,499,709	27,827,885	26,600,000	336,207,156	14,364,758	
WEST SOUTH CENTRAL:										
45 Arkansas.....	924,395,483	753,110,066	43,432,287	127,852,580	424,486,802	30,083,950	39,400,000	340,813,256	14,189,596	
46 Louisiana.....	589,820,679	474,038,793	32,715,010	83,072,876	237,028,052	13,613,465	12,100,000	206,182,548	5,732,036	
47 Oklahoma.....	1,690,423,544	1,363,865,294	80,630,547	215,927,703	707,895,000	49,887,518	103,800,000	550,084,742	4,122,746	
48 Texas.....	4,447,420,321	3,700,173,319	154,320,996	592,926,006	1,869,471,705	87,761,715	196,900,000	1,071,542,103	18,267,887	
MOUNTAIN:										
49 Montana.....	985,961,308	776,707,529	55,004,212	154,189,567	442,597,141	24,809,029	46,000,000	69,975,185	1,812,927	
50 Idaho.....	716,137,910	651,611,964	38,417,253	90,208,693	181,709,556	22,225,355	30,500,000	126,495,111	2,489,091	
51 Wyoming.....	334,410,590	234,748,125	11,777,949	87,824,516	168,153,818	14,004,109	23,700,000	30,270,620	179,071	
52 Colorado.....	1,076,794,749	860,013,060	49,804,509	160,976,580	280,295,338	26,921,292	70,600,000	181,065,239	1,708,802	
53 New Mexico.....	325,186,690	221,814,212	9,745,369	99,026,418	76,172,758	8,447,826	25,700,000	40,610,634	405,291	
54 Arizona.....	233,692,089	172,325,321	8,620,667	32,447,001	59,771,694	6,294,886	10,900,000	42,481,230	95,571	
55 Utah.....	311,274,728	243,751,758	13,514,787	54,008,183	87,794,314	13,735,523	15,600,000	58,067,067	361,422	
56 Nevada.....	99,776,666	66,255,214	3,630,927	20,893,525	26,418,019	4,694,649	7,700,000	13,980,303	43,06	
PACIFIC:										
57 Washington.....	1,057,429,848	920,392,341	54,721,377	82,316,130	301,271,159	44,066,349	23,900,000	227,212,008	6,092,801	
58 Oregon.....	818,559,751	675,213,284	41,537,125	101,779,542	209,459,266	35,146,671	36,200,000	131,884,639	6,227,95	
59 California.....	3,431,621,861	3,073,811,109	136,069,290	221,141,462	770,644,880	103,932,013	67,500,000	589,757,377	9,355,49	

¹ 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 the fact that 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 materials in another.

² These include dairy products, wool and mohair, eggs and chickens, and honey and wax.

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

⁴ These include forest products of farms valued (for the United States) at \$394,321,828, nursery products valued at \$20,434,389, and greenhouse products valued \$77,380,230.



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.

IOWA.

NUMBER AND DISTRIBUTION OF INHABITANTS.

Population of the state.—According to the Fourteenth Census, taken as of January 1, 1920, the population of Iowa is 2,404,021, which represents an increase of 179,250, or 8.1 per cent, since 1910. During the same period the population of the United States increased

by 14.9 per cent. The following summary shows the population of Iowa from 1840 to 1920, inclusive, with the number and per cent of increase for each decade, in comparison with the per cent of increase for the United States as a whole:

POPULATION OF IOWA: 1840 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.....	2,404,021	179,250	8.1	14.9
1910.....	2,224,771	—7,082	—0.3	21.0
1900.....	2,231,853	319,556	16.7	20.7
1890.....	1,912,297	287,682	17.7	25.5
1880.....	1,624,615	430,595	36.1	30.1
1870.....	1,194,020	519,107	76.9	22.6
1860.....	674,913	482,699	251.1	35.6
1850.....	192,214	149,102	345.8	35.9
1840.....	43,112			

¹ Includes population of area now constituting that part of Minnesota lying west of the Mississippi River and a line drawn from its source northward to the Canadian boundary. This area formed a part of Iowa territory in 1840.

Counties.—Iowa has 99 counties, of which 72 show increases and 27 decreases as compared with 1910. (See Table 1.)

Density of population.—The total land area of the state is 55,586 square miles. The average number of inhabitants to the square mile in 1920 is 43.2 (see Table 1), as against 40 in 1910 and 40.2 in 1900.

Minor civil divisions.—The political units into which the counties are divided are collectively termed "minor civil divisions." The primary divisions of the Iowa counties comprise 1,671 townships and 1 independent city, and there are 912 secondary divisions, comprising 104 cities and 808 towns. Each of 42 cities and 13 towns is coextensive with the township

in which located, while each of 13 cities and 102 towns comprises two or more townships or parts of townships. The Sac and Fox Indian Reservation is located within the state. Although this reservation is independent of the county and township organizations, it has been considered, for census purposes, as forming a part of the county in which it is located. (See Table 2.)

Cities.—Iowa has 105 cities, of which Des Moines, with a population of 126,468, is the largest. (See Tables 3 and 4.)

The table on the following page shows, for each city having 20,000 or more inhabitants in 1920, the population at each census for which figures are available, together with the increase during the preceding decade.

HISTORICAL NOTE.—Iowa takes its name from a tribe of Indians which formerly occupied the region now constituting the state. The meaning of the word is variously given as "this is the place," "the drowsy or sleepy ones," "the tribe beyond the river," and "beautiful region."

The eastern border of Iowa was visited by the French missionaries Marquette and Joliet in 1673. White settlers, however, did not come to the region for more than a century, and a century and a half elapsed before any permanent settlements were made.

In 1788 Julien Dubuque made a settlement on the site of the present city of Dubuque. At his death in 1810 this was abandoned and no permanent settlements were made within the present limits of the state until after 1830. Dubuque was permanently settled in 1833, and about the same time settlements were made at Burlington and Fort Madison.

Iowa originally formed a part of the vast Louisiana region claimed by the French on account of the discoveries of Marquette, Joliet, La Salle, and others. It was ceded to France by Spain in 1762, retroceded to France in 1800, and purchased by

the United States in 1803. In 1804 the region was divided by the thirty-third parallel, the present northern boundary of Louisiana, into the territory of Orleans on the south and the district of Louisiana on the north. In the following year the district of Louisiana became the territory of Louisiana. In 1812 the state of Louisiana, formed in part from the territory of Orleans, was admitted to the Union, and the territory of Louisiana became the territory of Missouri.

In 1834 the area now comprising the state of Iowa was added to the territory of Michigan. In 1836 it became a part of the territory of Wisconsin, organized in that year, and in 1838, a part of the area organized as the territory of Iowa. In 1845 Congress passed an act to enable Iowa to become a state. The northern and western boundaries were to be established about 45 miles north and about 90 miles east, respectively, of their present location. These boundaries were rejected by popular vote later in the same year. In 1846 a state constitution, providing for boundaries as they now exist, was adopted, and in December of the same year Iowa became the twenty-ninth state of the Union.

POPULATION—IOWA.

POPULATION OF PRINCIPAL CITIES FROM EARLIEST CENSUS TO 1920.

[A minus sign (—) denotes decrease.]

CITY AND CENSUS YEAR.	Popula- tion.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Popula- tion.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Popula- tion.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.			Number.	Per cent.
Burlington:				Council Bluffs—Contd.				Mason City:			
1920.....	24,057	—267	—1.1	1880.....	18,063	8,043	80.3	1920.....	20,065	8,835	78.7
1910.....	24,324	1,123	4.8	1870.....	10,020	8,009	393.3	1910.....	11,230	4,484	66.5
1900.....	23,201	636	2.8	1860.....	2,011			1900.....	6,746	2,739	68.4
1890.....	22,565	3,115	16.0	Davenport:				1890.....	4,007	1,497	59.6
1880.....	19,450	4,520	30.3	1920.....	56,727	13,699	31.8	1880.....	2,510	1,327	112.2
1870.....	14,930	8,224	122.6	1910.....	43,028	7,774	22.1	1870.....	1,183		
1860.....	6,706	2,624	64.3	1900.....	35,254	8,882	31.2	Ottumwa:			
1850.....	4,082			1890.....	26,872	5,041	23.1	1920.....	23,003	991	4.5
Cedar Rapids:				1880.....	21,831	1,793	8.9	1910.....	22,012	3,815	21.0
1920.....	45,506	12,755	38.9	1870.....	20,038	8,771	77.8	1900.....	18,197	4,196	30.0
1910.....	32,811	7,155	27.9	1860.....	11,267	9,410	509.7	1890.....	14,001	4,907	55.5
1900.....	25,656	7,636	42.4	1850.....	1,848			1880.....	9,004	3,790	72.7
1890.....	18,020	7,916	78.3	Des Moines:				1870.....	5,214	3,582	219.5
1880.....	10,104	4,164	70.1	1920.....	126,468	40,100	46.4	1860.....	1,632		
1870.....	5,640	4,110	224.6	1910.....	86,368	24,229	39.0	Sioux City:			
1860.....	1,830			1900.....	62,139	12,046	24.0	1920.....	71,227	23,399	48.9
Clinton:				1890.....	50,093	27,685	123.5	1910.....	47,828	14,717	44.4
1920.....	24,151	—1,426	—5.6	1880.....	22,408	10,373	86.2	1900.....	33,111	—4,695	—12.4
1910.....	25,577	2,879	12.7	1870.....	12,035	8,070	203.5	1890.....	37,806	30,440	413.3
1900.....	22,698	9,079	66.7	1860.....	3,965			1880.....	7,366	3,965	118.6
1890.....	13,619	4,507	50.5	Dubuque:				1870.....	3,401		
1880.....	9,052	2,923	47.7	1920.....	39,141	647	1.7	Waterloo:			
1870.....	6,129			1910.....	38,494	2,197	6.1	1920.....	36,230	9,537	35.7
Council Bluffs:				1900.....	36,267	5,986	19.7	1910.....	26,693	14,113	112.2
1920.....	36,162	6,870	23.5	1890.....	30,311	3,057	38.2	1900.....	12,580	5,808	88.5
1910.....	29,292	3,490	13.5	1880.....	22,254	8,820	20.7	1890.....	6,674	1,044	18.6
1900.....	25,802	4,328	20.2	1870.....	18,434	6,434	41.8	1880.....	5,630	1,203	29.8
1890.....	21,474	3,411	18.0	1860.....	13,000	9,892	318.3	1870.....	4,337		
				1850.....	3,103						

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

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

of the various places as shown by the returns of that census. Consequently the territory comprised within any one class of cities or that designated as urban or as rural does not remain fixed, because any given place may, through the growth or the decline of its population, pass from one class to another at successive censuses. The proportion of the population of Iowa living in places of 2,500 or more increased from 25.6 per cent in 1900 to 30.6 per cent in 1910 and to 36.4 per cent in 1920.

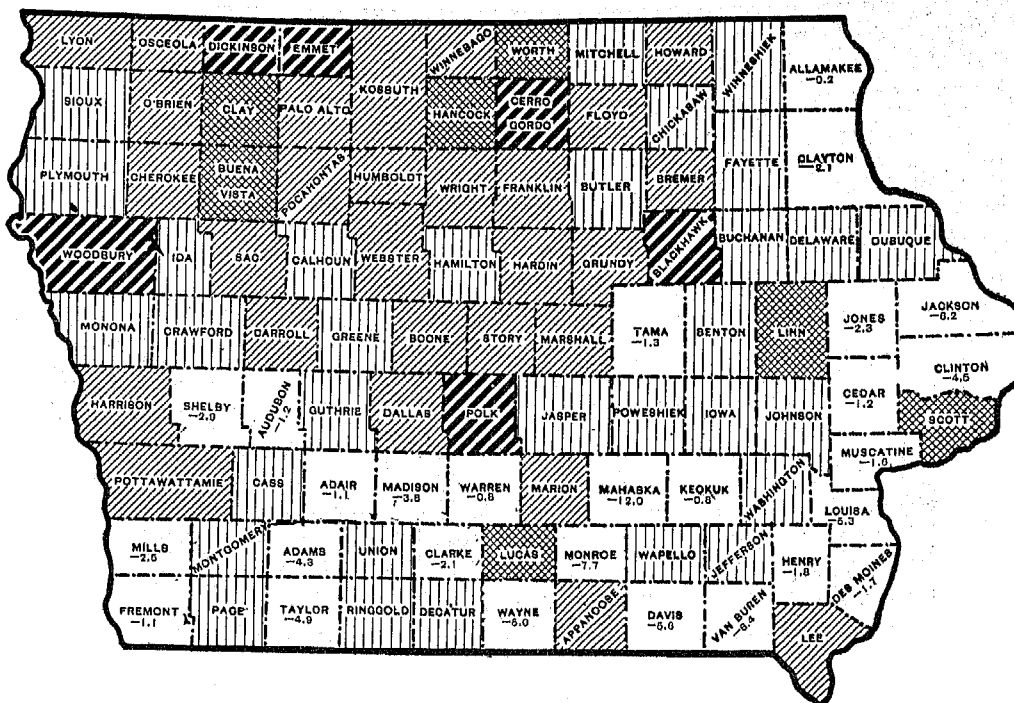
URBAN AND RURAL POPULATION: 1920, 1910, AND 1900.

CLASS OF PLACES.	1920		1910		1900		PER CENT OF TOTAL POPULATION.		
	Number of places.	Population.	Number of places.	Population.	Number of places.	Population.	1920	1910	1900
Total population.....		2,404,021		2,224,771		2,231,853	100.0	100.0	100.0
Urban territory.....	81	375,495	69	680,054	70	572,386	36.4	30.6	25.6
Cities and towns of—									
100,000 inhabitants or more.....	1	126,468	1	86,368	1	62,139	5.3		2.8
50,000 to 100,000 inhabitants.....	2	127,954	7	243,723	5	156,120	5.3	3.9	7.0
25,000 to 50,000 inhabitants.....	4	157,099	9	137,107	8	129,096	6.5	11.0	5.8
10,000 to 25,000 inhabitants.....	11	192,629	9	50,402	10	70,618	8.0	6.2	3.2
5,000 to 10,000 inhabitants.....	18	114,802	43	153,454	46	154,413	4.8	2.7	6.9
2,500 to 5,000 inhabitants.....	45	156,543					6.5	6.9	
Rural territory.....		1,528,526		1,544,717		1,659,467	63.6	69.4	74.4
Cities and towns of less than 2,500 inhabitants.....	832	477,801	768	438,715	614	400,792	19.9	19.7	18.0
Other rural territory.....		1,050,725		1,106,002		1,258,675	43.7	49.7	56.4

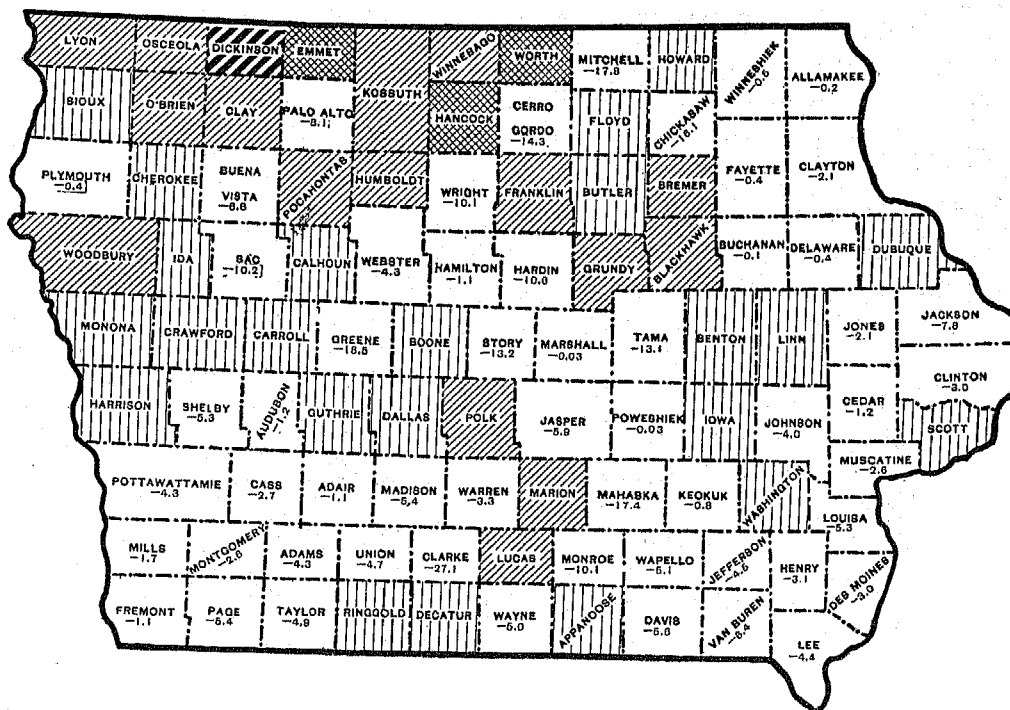
PER CENT OF INCREASE OR DECREASE OF POPULATION OF IOWA, BY COUNTIES: 1910-1920.

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

TOTAL POPULATION.



RURAL POPULATION.



INCREASE

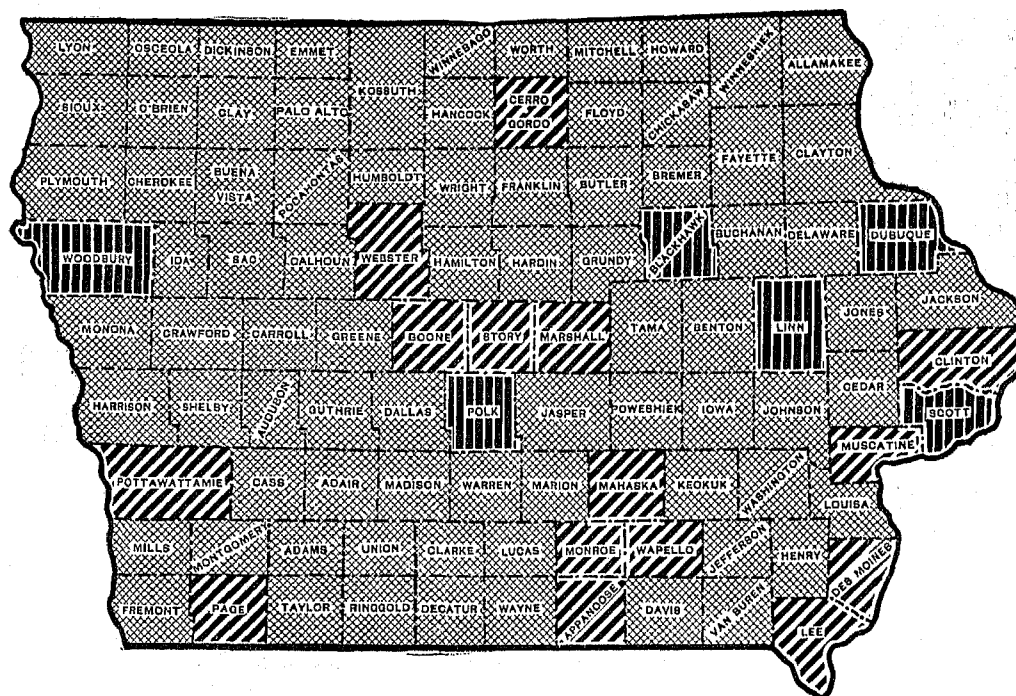
DECREASE LESS THAN 5 PER CENT 15 TO 25 PER CENT 50 PER CENT AND OVER

PER CENT INSERTED 5 TO 15 PER CENT 25 TO 50 PER CENT

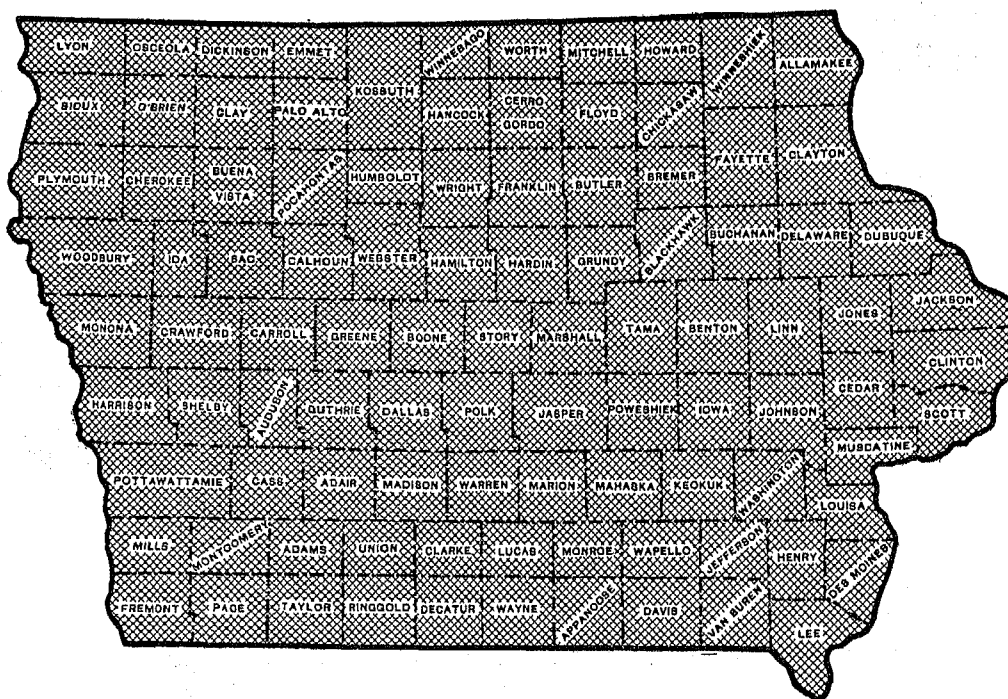
DENSITY OF POPULATION OF IOWA, BY COUNTIES: 1920.

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

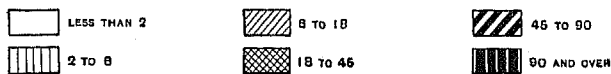
TOTAL POPULATION.



RURAL POPULATION.



NUMBER OF INHABITANTS PER SQUARE MILE



NUMBER AND DISTRIBUTION.

11

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.										
Iowa.....	55,586	2,404,021	43.2	2,224,771	2,231,853	1,912,297	1,624,615	1,194,020	674,013	192,214	8.1	-0.3	16.7
Adair.....	573	14,250	24.9	14,420	16,192	14,534	11,667	3,082	684	.....	-1.1	-10.9	11.4
Adams.....	427	10,521	24.6	10,098	18,001	12,292	11,888	4,514	1,533	.....	-4.3	-19.1	10.6
Allamakee.....	639	17,285	27.1	17,328	18,711	17,907	19,791	17,868	12,237	777	-0.2	-7.4	4.5
Appanoose.....	513	30,536	59.5	28,701	25,927	18,901	16,636	16,456	11,931	3,131	6.4	10.7	36.7
Audubon.....	443	12,520	28.3	12,671	18,626	12,412	7,448	1,212	454	.....	-1.2	-7.0	9.8
Benton.....	712	24,080	33.8	23,156	25,177	24,178	24,888	22,454	8,406	672	4.0	-8.0	4.1
Black Hawk.....	565	56,870	100.1	44,805	32,399	24,219	23,013	21,706	8,244	135	20.1	38.5	33.8
Boone.....	509	29,892	52.5	27,626	28,200	23,772	20,838	14,584	4,232	735	8.2	-2.0	18.6
Bremer.....	434	10,728	38.5	15,843	16,305	14,630	14,081	12,528	4,015	.....	5.6	-2.8	11.4
Buchanan.....	567	19,890	35.1	19,748	21,427	18,997	18,546	17,034	7,906	517	0.7	-7.8	12.8
Buena Vista.....	571	18,556	32.5	15,981	16,975	13,548	7,537	1,585	57	.....	16.1	-5.9	25.3
Butler.....	577	17,845	30.9	17,119	17,955	15,463	14,293	9,851	3,724	.....	4.2	-4.7	16.1
Calhoun.....	568	17,783	31.3	17,000	18,569	13,107	5,595	1,602	147	.....	4.1	-8.0	41.7
Carroll.....	571	21,649	37.7	20,117	20,319	18,828	12,351	2,451	231	.....	7.1	-1.0	7.0
Cass.....	564	19,421	34.4	19,047	21,274	19,645	16,943	5,464	1,612	.....	2.0	-10.5	8.3
Cedar.....	570	17,560	30.8	17,765	19,371	18,253	18,936	19,731	12,949	3,941	-1.2	-8.3	6.1
Cerro Gordo.....	567	34,675	61.2	25,011	20,672	14,869	11,461	4,722	940	.....	38.6	21.0	39.1
Cherokee.....	573	17,700	31.0	18,741	16,570	16,659	8,240	1,667	58	.....	6.1	1.0	5.8
Chickasaw.....	497	15,431	31.0	15,375	17,037	15,019	14,534	10,180	4,336	.....	0.4	-0.8	13.4
Clarke.....	428	10,506	24.5	10,730	12,440	11,332	11,513	8,735	5,427	79	-2.1	-13.7	9.8
Clay.....	563	15,660	27.8	12,766	13,401	9,309	4,248	1,523	52	.....	22.7	-4.7	44.0
Clayton.....	762	25,032	32.9	25,578	27,750	26,733	28,829	27,771	20,728	3,873	-2.1	-7.8	3.8
Clinton.....	691	43,371	62.8	45,394	43,832	41,199	39,763	35,357	18,938	2,822	-4.5	3.6	6.4
Crawford.....	715	20,014	28.8	20,041	21,685	18,804	12,413	2,530	383	.....	2.0	-7.6	14.8
Dallas.....	589	25,120	42.6	23,028	23,058	20,478	18,746	12,019	5,244	854	6.3	2.5	12.6
Davis.....	501	12,574	25.1	13,815	15,620	15,258	16,468	15,565	13,764	7,294	-5.6	-14.8	2.4
Decatur.....	533	10,566	31.1	16,347	18,115	13,643	15,386	12,018	8,677	985	1.3	-0.8	15.8
Delaware.....	571	18,183	31.8	17,838	19,185	17,349	17,950	17,432	11,024	1,759	1.6	-6.8	10.6
Des Moines.....	409	35,520	86.8	36,145	35,089	35,324	33,099	27,256	19,611	12,988	-1.7	0.4	1.9
Dickinson.....	376	10,241	27.2	8,137	7,995	4,328	1,901	1,386	180	.....	25.9	1.8	84.7
Dubuque.....	601	58,262	96.9	57,450	53,403	49,848	42,996	38,969	31,164	10,841	1.4	1.9	13.1
Emmet.....	393	12,627	32.1	9,616	9,936	4,274	1,550	1,302	105	.....	28.6	-1.2	132.5
Fayette.....	724	20,251	40.4	27,919	28,845	23,141	22,258	16,973	12,073	825	4.8	-6.5	29.0
Floyd.....	495	18,830	38.1	17,119	17,754	15,424	14,677	10,768	3,744	.....	10.2	-3.6	15.1
Franklin.....	578	15,807	27.3	14,780	14,906	12,871	10,249	4,738	1,309	.....	6.9	-1.4	16.5
Fremont.....	507	15,447	30.5	15,623	18,546	16,842	17,652	11,174	5,074	1,244	-1.1	-15.8	10.1
Greene.....	574	16,467	28.7	16,023	17,820	15,707	12,727	4,627	1,374	.....	2.8	-10.1	12.8
Grundy.....	501	14,420	28.8	13,574	13,757	13,215	12,639	6,309	793	.....	6.2	-1.3	4.1
Guthrie.....	595	17,596	29.6	17,374	18,720	17,380	14,304	7,061	3,058	.....	1.3	-7.2	7.8
Hamilton.....	570	19,531	34.3	19,242	19,514	15,319	11,252	6,055	1,699	.....	1.5	-1.4	27.4
Hancock.....	570	14,723	25.8	12,731	13,752	7,621	3,453	999	170	.....	15.6	-7.4	80.4
Hardin.....	569	23,337	41.0	20,921	22,794	19,003	17,807	13,684	5,440	.....	11.5	-8.2	19.9
Harrison.....	691	24,438	35.4	23,162	25,597	21,356	16,049	8,931	3,621	.....	5.7	-0.5	19.0
Henry.....	427	18,298	42.9	15,640	20,022	18,895	20,986	21,463	18,701	8,707	-1.8	-8.9	6.9
Howard.....	468	13,705	29.3	12,920	14,512	11,182	10,837	6,282	3,168	.....	6.1	-11.0	29.8
Humboldt.....	431	12,951	30.0	12,182	12,667	9,836	5,341	2,506	332	.....	6.3	-3.8	28.8
Ia.....	430	11,689	27.2	11,206	12,327	10,705	4,382	228	43	.....	3.5	-8.4	15.2
Iowa.....	583	18,600	31.9	18,409	19,544	18,270	19,221	16,644	8,029	822	1.0	-5.8	7.0
Jackson.....	632	19,931	31.5	21,258	23,615	22,771	23,771	22,619	18,493	7,210	-6.2	-10.0	3.7
Jasper.....	730	27,855	38.2	27,034	28,076	24,943	25,963	22,116	9,883	1,280	3.0	0.2	8.2
Jefferson.....	431	16,440	38.1	15,951	17,437	15,184	17,469	17,839	15,038	9,904	3.1	-8.5	14.8
Johnson.....	610	20,462	43.4	25,914	24,817	23,082	25,429	24,898	17,573	4,472	2.1	-4.4	7.5
Jones.....	569	18,607	32.7	19,050	21,954	20,233	21,052	19,731	13,306	3,007	-2.3	-13.2	8.5
Keokuk.....	578	20,983	36.3	21,160	24,079	23,862	21,258	19,434	13,271	4,822	-0.8	-15.3	4.7
Kossuth.....	973	25,082	25.8	21,971	22,720	13,120	6,178	3,351	416	.....	14.2	-3.3	73.2
Lee.....	511	39,676	77.6	36,702	39,719	37,715	34,859	37,210	29,232	18,861	8.1	-7.6	5.3
Linn.....	709	74,004	104.4	60,720	55,392	45,303	37,237	31,080	18,947	5,444	21.9	0.0	22.3
Louisia.....	396	12,179	30.8	12,855	13,516	11,873	13,142	12,877	10,370	4,939	-5.3	-4.9	13.8
Lucas.....	432	15,686	36.3	13,462	16,126	14,563	14,530	10,388	5,766	471	16.5	-16.5	10.7
Lyon.....	582	15,431	26.5	14,624	13,165	8,680	1,068	221	.....	.....	5.5	11.1	51.7
Madison.....	563	15,020	26.7	15,621	17,710	15,977	17,224	13,884	7,339	.....	-3.8	-11.8	10.8
Mahaska.....	568	26,270	46.3	29,800	34,273	28,805	25,202	22,508	14,816	5,989	-12.0	-12.9	19.0
Marion.....	563	24,957	44.3	22,995	24,159	23,058	25,111	24,436	16,813	5,482	8.5	-4.8	4.8
Marshall.....	572	32,630	57.0	30,279	29,991	25,842	23,752	17,576	6,015	338	7.8	1.0	16.1
Mills.....	438	15,422	35.2	15,811	16,764	14,548	14,137	8,718	4,481	.....	-2.5	-5.7	15.2
Mitchell.....	463	13,921	30.1	13,435	14,916	13,299	14,363	9,582	3,409	.....	3.6	-9.9	12.2
Monona.....	686	17,125	25.0	16,633	17,980	14,515	9,055	3,654	832	.....	3.0	-7.5	23.9
Monroe.....	432	23,467	54.3	25,429	17,985	13,666	13,719	12,724	8,612	2,884	-7.7	41.4	31.8
Montgomery.....	424	17,048	40.2	16,604	17,803	15,843	15,895	5,934	1,256	.....	2.7	-6.7	12.3
Muscatine.....	432	29,042	67.2	29,505	28,242	24,504	23,170	21,688	16,444	5,731	-1.6	4.5	15.3
O'Brien.....	569	19,051	33.5	17,262	10,985	13,060	4,155	715	8	.....	10.4	1.6	30.1
Osceola.....	395	10,223	25.9	8,956	8,725	5,674	2,219	.....	.....	.....	14.1	2.6	55.5
Page.....	531	24,137	45.5	24,002	24,187	21,341	19,667	9,975	4,410	551	0.6	-0.8	13.3
Palo Alto.....	561	15,486	27.6	13,845	14,354	9,318	4,131	1,386	132	.....	11.9	-3.5	54.0
Plymouth.....	856	23,584	27.6	23,129	22,209	19,568	8,566	2,199	148	.....	2.0	4.1	13.5

1 State total for 1890 includes population (401) of Sac and Fox Indian Reservation, in Tama County, specially enumerated and not included in the population shown for the county. In computing the per cent of increase for Tama County for the decade 1890-1900 the population of the Sac and Fox Indian Reservation in 1900 (385) has therefore been deducted from the total for that year in order to make it comparable with the 1890 total.

POPULATION—IOWA.

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

[A minus sign (—) denotes decrease.]

COUNTY.	Land area in square miles: 1920.	POPULATION.											
		1920		1910	1900	1890	1880	1870	1860	1850	Per cent of increase.		
		Total.	Per square mile.								1910 to 1920.	1900 to 1910.	1890 to 1900.
Pocahontas.....	576	15,602	27.1	14,808	15,389	9,553	3,713	1,446	103	.....	5.4	—3.5	60.6
Polk.....	582	154,029	264.7	110,438	82,024	65,410	42,395	27,857	11,625	4,513	39.5	33.7	26.3
Pottawattamie.....	942	61,550	65.3	55,832	54,336	47,430	30,850	16,393	4,968	7,328	10.2	2.3	14.6
Poweshiek.....	550	19,910	34.3	19,589	19,414	18,394	15,036	15,581	5,668	615	1.6	0.9	5.5
Ringgold.....	540	12,919	23.9	12,904	15,325	13,556	12,085	5,691	2,923	.....	0.1	—15.8	13.0
Sac.....	574	17,500	30.5	16,555	17,639	14,522	8,774	1,411	246	.....	5.7	—6.1	21.5
Scott.....	449	73,052	164.7	60,000	51,558	43,164	41,266	33,699	25,959	5,988	23.3	16.4	19.4
Shelby.....	589	16,065	27.3	16,552	17,932	17,611	12,696	2,540	818	.....	—2.9	—7.7	1.8
Sioux.....	700	26,458	34.8	25,243	23,337	18,370	5,426	576	10	.....	4.8	8.2	27.0
Story.....	567	26,185	46.2	24,083	23,159	18,127	16,906	11,651	4,051	.....	8.7	4.0	27.8
Tama.....	720	21,861	30.4	22,150	24,585	21,651	21,585	16,131	5,285	8	—1.3	—0.9	111.8
Taylor.....	534	15,514	29.1	16,312	18,784	16,384	15,635	6,989	3,590	204	—4.9	—13.2	14.6
Union.....	427	17,268	40.4	16,616	19,928	16,900	14,980	5,986	2,012	.....	3.9	—16.6	17.9
Van Buren.....	477	14,060	29.5	15,020	17,354	16,253	17,043	17,672	17,081	12,270	—6.4	—13.4	6.8
Wapello.....	428	37,937	88.6	37,743	35,426	30,426	25,285	22,346	14,518	8,471	0.5	6.5	16.4
Warren.....	570	18,047	31.7	18,194	20,376	18,260	19,578	17,980	10,281	961	—0.8	—10.7	11.5
Washington.....	559	20,421	36.5	19,925	20,718	18,468	20,374	18,952	14,235	4,957	2.5	—3.8	12.2
Wayne.....	524	15,378	29.3	16,184	17,491	15,070	16,127	11,287	6,409	340	—5.0	—7.5	11.6
Webster.....	714	37,611	52.7	34,020	31,757	21,582	15,951	10,484	2,504	.....	8.6	9.0	47.1
Winnebago.....	300	13,489	33.8	11,914	12,725	7,325	4,917	1,562	168	.....	13.2	—6.4	73.7
Winneshiek.....	686	22,091	32.2	21,729	23,731	22,528	23,938	23,570	13,942	546	1.7	—8.4	5.3
Woodbury.....	384	92,171	103.7	67,616	54,610	55,632	14,096	6,172	1,119	.....	36.3	23.8	—1.8
Worth.....	399	11,630	29.1	9,950	10,887	9,247	7,953	2,892	756	.....	16.9	—8.6	17.7
Wright.....	575	20,348	35.4	17,951	18,227	12,057	5,062	2,392	653	.....	13.4	—1.5	51.2

¹ See footnote on preceding page.

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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Adair County.....	14,259	14,420	16,192	Allamakee County—Continued.			
Adair township, comprising part of Adair town.	934	900	879	Paint Creek township, including Waterville town.....	930	881	941
Bridgewater township, including Bridgewater town.....	386	395	380	Post township, including Postville town.....	1,632	1,065	1,838
Eureka township.....	557	630	711	Taylor township, including Harpers Ferry town.....	307	381	935
Grand River township.....	515	540	711	Union City township.....	568	613	606
Greenfield township, including Greenfield town.....	1,759	1,466	1,431	Union Prairie township.....	727	775	852
Grove township.....	587	645	780	Waterloo township.....	746	751	743
Harrison township.....	592	555	898				
Jackson township.....	581	617	755	Appanoose County.....	30,535	28,701	25,027
Jefferson township.....	606	741	803	Bellair township, including part of Numa town but exclusive of part of Mystic town.....	2,575	2,153	1,032
Lee township.....	490	432	557	Caldwell township, including Exline town.....	1,829	1,801	1,343
Lincoln township.....	613	713	810	Center township, coextensive with Centerville city.....	8,486	6,936	5,256
Orient township, including Orient town.....	1,117	957	1,029	Charlton township.....	482	455	511
Prussia township.....	610	553	846	Douglas township.....	413	570	630
Richland township.....	649	624	734	Franklin township.....	533	582	671
Stuart township, comprising part of Stuart city.....	458	553	618	Independence township.....	607	640	677
Summerset township, including Fontanelle town.....	1,373	1,342	1,507	Johns township, including Plano town.....	1,050	1,044	986
Summit township.....	497	621	631	Lincoln township, including part of Numa town.....	869	944	824
Union township.....	523	531	514	Pleasant township, including Cincinnati town.....	2,398	2,481	2,240
Walnut township, including part of Casey town.....	734	792	845	Sharon township.....	399	411	511
Washington township.....	588	613	773	Taylor township, including Moravia town.....	1,291	1,191	1,331
				Udell township, including Udell town.....	1,018	978	982
Adams County.....	10,521	10,998	13,601	Union township.....	450	537	653
Carl township.....	615	690	876	Vernillion township.....	1,021	976	1,014
Colony township.....	695	704	809	Walnut township, including Rathbun town but exclusive of part of Mystic town.....	1,564	1,433	1,457
Douglas township, including Carbon town.....	580	951	1,305	Washington township, including part of Moulton town.....	1,764	1,739	2,113
Grant township.....	592	501	707	Wells township, including part of Moulton town.....	992	1,167	1,358
Jasper township, including part of Corning city.....	372	355	1,177	Mystic town, in Bellair and Walnut townships.....	2,796	2,663	1,758
Lincoln township.....	656	727	890				
Mercer township.....	499	538	608	Andubon County.....	12,520	12,671	13,626
Nodaway township, including Nodaway town.....	1,012	1,000	1,119	Andubon township.....	778	825	933
Prescott township, including Prescott town.....	906	984	1,206	Cameron township.....	535	550	708
Quincy township, including Quincy town and part of Corning city.....	2,435	2,453	3,032	Douglas township.....	784	848	848
Union township.....	587	529	653	Extra township, including Exira town and part of Brayton town.....	1,772	1,766	2,026
Washington township.....	788	846	1,108	Greeley township.....	626	651	766
				Hamlin township.....	927	918	962
Allamakee County.....	17,285	17,328	18,711	Leroy township, including Andubon town.....	2,867	2,748	2,601
Center township.....	677	724	816	Lincoln township, including Gray town.....	912	881	1,087
Fairview township.....	341	321	484	Melville township.....	549	590	618
Franklin township.....	305	325	1,021	Oakfield township, including part of Brayton town.....	920	996	1,055
French Creek township.....	390	498	614	Sharon township, including Kimballtown town.....	1,250	1,281	1,231
Hanover township.....	435	458	589	Viola township.....	590	637	699
Iowa township, including New Albin town.....	1,046	961	925				
Jefferson township.....	764	823	989				
Lafayette township.....	757	747	869				
Lansing township, including Lansing city.....	2,127	2,208	2,125				
Linton township.....	557	581	620				
Ludlow township.....	787	777	807				
Makee township, including Waukon city.....	3,159	2,836	3,066				

¹ APPANOOSE.—Mystic town not returned by townships in 1920; total population of Bellair and Walnut townships can not, therefore, be shown separately.

NUMBER AND DISTRIBUTION.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Benton County	24,080	23,156	25,177	Buchanan County	19,890	19,748	21,427
Belle Plaine township, coextensive with Belle Plaine city.....	3,887	3,121	3,283	Buffalo township, including Stanley town and part of Aurora town.....	963	994	1,085
Benton township.....	411	452	552	Byron township, including Winthrop town.....	1,102	1,133	1,230
Big Grove township.....	609	637	743	Cono township.....	682	640	633
Bruce township.....	528	580	614	Fairbank township, including part of Fairbank town.....	1,260	1,273	1,440
Canton township.....	553	570	630	Fremont township.....	649	666	842
Cedar township, including Mount Auburn town.....	1,019	942	1,048	Hazelton township, including Hazelton town.....	1,244	1,240	1,298
Eden township.....	557	615	717	Homer township.....	911	820	885
Eldorado township, including Newhall town.....	848	833	871	Jefferson township, including Brandon town.....	1,087	882	1,000
Florence township, including Norway town.....	1,158	1,161	1,342	Liberty township, including Quasqueton town.....	1,149	1,106	1,242
Fremont township, including Atkins town.....	818	822	849	Madison township, including Lamont town and part of Aurora town.....	1,191	1,235	1,327
Harrison township.....	456	497	563	Middlefield township.....	565	594	656
Homer township.....	486	618	695	Newton township.....	612	614	802
Iowa township, including part of Luzerne town.....	692	714	843	Perry township, including Jesup town.....	1,483	1,477	1,582
Jackson township, including Garrison town.....	1,120	1,106	1,227	Sumner township.....	506	558	612
Kane township, including Keystone town.....	1,185	1,054	1,065	Washington township, including Independence city.....	5,701	5,821	6,043
Leroy township, including Blairtown town and part of Luzerne town.....	1,217	1,234	1,394	Westburg township.....	621	665	715
Monroe township.....	619	558	630	Buena Vista County	18,556	15,981	16,975
Polk township, including Urbana town.....	1,412	1,262	1,458	Barnes township, including Linn Grove and Rembrandt towns.....	1,342	1,071	1,054
St. Clair township.....	614	619	604	Brooke township.....	474	468	585
Shellsburg township, coextensive with Shellsburg town.....	590	527	511	Coon township.....	652	621	716
Taylor township.....	704	784	828	Elk township.....	580	570	680
Union township, including Van Home town.....	1,091	1,034	1,121	Fairfield township, including Albert City town.....	1,293	1,003	861
Vinton township, coextensive with Vinton city.....	3,381	3,336	3,499	Grant township.....	691	700	717
Black Hawk County	56,570	44,865	32,399	Hayes township.....	404	411	463
Barelay township.....	686	683	739	Lee township.....	617	555	620
Bennington township.....	702	739	742	Lincoln township.....	544	514	541
Big Creek township, including La Porte City town.....	1,823	1,581	1,858	Maple Valley township.....	679	728	770
Black Hawk township, including Hudson town.....	988	926	971	Newell township, including Newell town.....	1,407	1,325	1,475
Cedar township.....	545	532	610	Nokomis township, including Alta town.....	1,985	1,658	1,655
Cedar Falls township, including Cedar Falls city.....	7,151	5,867	6,274	Poland township, including Marathon town.....	1,159	1,120	1,417
Eagle township.....	604	576	501	Providence township.....	600	656	868
East Waterloo township, including wards 3 and 4 of Waterloo city.....	21,304	16,801	8,814	Scott township.....	597	566	577
Fox township.....	745	717	842	Sioux Rapids township, coextensive with Sioux Rapids town.....	1,080	868	1,005
Lester township, including Dunkerton town.....	903	1,001	1,002	Storm Lake township, including Storm Lake city.....	3,818	2,596	2,419
Lincoln township.....	685	686	664	Washington township, including Truesdale town.....	634	541	552
Mt. Vernon township.....	746	691	807	Butler County	17,845	17,119	17,955
Orange township.....	736	750	753	Albion township, including part of Parkersburg town.....	1,596	1,433	1,689
Poyner township, including Gilbertville town.....	1,038	1,040	1,088	Beaver township, including New Hartford town.....	1,140	1,223	1,340
Spring Creek township.....	612	617	617	Bennett township.....	794	681	689
Union township.....	395	465	475	Butler township, including part of Clarksville town.....	1,497	1,471	1,627
Washington township.....	339	305	380	Coldwater township, including Greene town.....	2,043	1,836	1,967
Waterloo township, including Castle Hill and Cedar Heights towns and wards 1 and 2 of Waterloo city.....	16,608	10,885	5,163	Dayton township.....	656	633	641
Boone County	29,892	27,626	26,200	Fremont township.....	712	767	767
Amagua township, including Beaver town.....	830	803	806	Jackson township, including parts of Allison and Clarksville towns.....	922	781	811
Beaver township, including part of Berkley town.....	502	645	651	Jefferson township.....	655	642	657
Cass township.....	590	849	477	Madison township.....	704	755	679
Colfax township, including part of Luther town.....	731	750	695	Monroe township, including Aplington town and part of Parkersburg town.....	1,498	1,363	1,388
Des Moines township, including Boone city.....	14,057	11,604	10,665	Pittsford township, including Dumont town and part of Bristow town.....	1,270	1,286	1,202
Dodge township, including part of Frazer town.....	1,390	1,622	1,695	Ripley township.....	627	602	621
Douglas township, including part of Madrid town.....	1,028	1,557	1,403	Shell Rock township, including Shell Rock town.....	1,471	1,461	1,547
Garden township, including parts of Madrid and Sheldahl towns.....	1,075	914	901	Washington township.....	796	750	925
Grant township, including Boxholm town.....	1,035	952	861	West Point township, including parts of Allison and Bristow towns.....	1,465	1,439	1,606
Harrison township.....	739	747	885	Calhoun County	17,783	17,090	18,569
Jackson township.....	805	874	928	Butler township, including parts of Jolley and Pomeroy towns.....	1,620	1,514	1,674
Marey township, including part of Ogden town.....	1,207	925	1,567	Calhoun township.....	424	407	498
Peoples township.....	651	828	884	Cedar township, including Hinard and Somers towns.....	979	936	860
Pilot Mound township, including Pilot Mound town and part of Frazer town.....	739	845	930	Center township, including part of Rockwell City town.....	1,051	885	755
Union township, including part of Berkley town.....	831	904	1,120	Elm Grove township, including Yetter town.....	646	670	713
Worth township, including part of Luther town.....	681	655	777	Garfield township, including part of Lytton town.....	613	705	722
Yell township, including parts of Frazer and Ogden towns.....	2,161	2,322	2,605	Greenfield township, including Klerim town.....	809	923	1,020
Bremer County	16,728	15,843	16,305	Jackson township.....	602	555	677
Dayton township.....	768	732	812	Lake City township, coextensive with Lake City.....	2,110	2,043	2,703
Douglas township.....	760	757	807	Lake Creek township.....	601	655	726
Franklin township.....	707	703	781	Lincoln township, including Manson town.....	2,020	1,835	2,119
Frederika township, including Frederika town.....	606	593	623	Logan township.....	613	618	637
Fremont township, including Tripoli town.....	1,609	1,436	1,365	Reading township, including Farnhamville town.....	987	954	1,014
Jackson township, including Janesville town.....	699	777	894	Sherman township, including part of Pomeroy town.....	713	703	737
Jefferson township, including Denver town.....	1,038	858	688	Twin Lakes township, including parts of Jolley and Rockwell City towns.....	2,214	1,954	1,709
Lafayette township.....	660	647	668	Union township, including Lohrville town.....	1,200	1,184	1,184
Le Roy township.....	382	342	469	Williams township.....	581	580	711
Maxfield township, including Readlyn town.....	1,308	1,087	887				
Polk township, including Plainfield town.....	1,160	1,174	1,320				
Sumner township, coextensive with Sumner town.....	1,511	1,404	2,132				
Sumner No. 2 township.....	620	662	688				
Warren township.....	870	850	938				
Washington township.....	678	707	744				
Waverly township, coextensive with Waverly city.....	3,352	3,205	3,177				

POPULATION—IOWA.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Carroll County	21,549	20,117	20,319	Cherokee County	17,760	18,741	16,570
Arcadia township, including Arcadia town....	1,012	1,034	1,205	Afton township.....	612	650	720
Carroll township, comprising part of Carroll city....	4,230	3,520	3,810	Amherst township ³	559	641	664
Eden township, including Templeton town....	993	1,034	1,079	Cedar township, including Larrabee town....	732	725	800
Glidden township, including Glidden and Ralston towns.....	1,711	1,704	1,670	Cherokee township, including Cherokee city....	6,312	5,402	4,363
Grant township, including part of Carroll city and part of Lidderdale town....	627	605	678	Diamond township.....	549	578	718
Jasper township, including Lanesboro town....	942	881	714	Grand Meadow township.....	632	541	613
Knliest township.....	959	890	905	Liberty township.....	623	644	677
Maple River township.....	782	753	.....	Marcus township, ³ including Marcustown....	1,582	1,419	1,351
Newton township, including Dedham town....	874	992	1,163	Pilot township.....	493	537	647
Pleasant Valley township, including Willey town....	703	662	678	Pitcher township, including Aurelia town....	1,226	1,157	1,210
Richland township.....	515	599	646	Rock township.....	567	585	618
Roselle township, including Halbur town....	1,017	947	1,019	Sheridan township, including Cleghorn and Meriden towns.....	1,045	1,059	1,064
Sheridan township, including part of Lidderdale town....	828	784	779	Silver township.....	573	610	725
Union township, including Coon Rapids town....	2,075	1,855	1,862	Spring township.....	414	487	544
Warren township, including Manning town....	2,454	2,030	1,952	Tilden township.....	463	503	588
Washington township.....	663	676	791	Willow township, including Quimby and Washta towns.....	1,378	1,194	1,273
Wheatland township, including Breda town....	1,161	1,166	1,368				
Cass County	19,421	19,047	21,274	Chickasaw County	15,431	15,375	17,037
Atlantic township, coextensive with Atlantic city.....	5,320	4,560	5,046	Bradford township, including Nashua town....	2,077	1,963	2,240
Bear Grove township.....	551	650	747	Chickasaw township, including Bassett and Ionia towns.....	1,217	1,384	1,539
Bentontownship.....	541	600	687	Dayton township.....	646	671	790
Brighton township, including Marne town....	859	851	1,072	Deerfield township.....	830	974	1,033
Cass township, including Lewis town....	1,151	1,190	1,313	Dresden township.....	671	731	932
Edna township.....	627	677	755	Fredericksburg township, including Fredericksburg town....	1,243	1,210	1,287
Franklin township, including Wioia town....	781	913	1,020	Jacksonville township.....	1,021	1,098	1,141
Grant township, including Anita town....	1,965	1,835	1,937	New Hampton township, including New Hampton city.....	3,302	3,023	3,267
Grove township.....	574	679	865	Richland township.....	640	644	778
Lincoln township.....	596	645	708	Stapleton township, including Lawler town....	1,282	1,261	1,422
Massena township, including Massena town....	1,150	1,111	1,154	Utica township.....	958	989	1,134
Noble township.....	700	792	877	Washington township, including Alta Vista and North Washington towns.....	1,444	1,447	1,424
Pleasant township, including Griswold town....	1,825	1,661	1,763				
Pymosa township.....	635	653	701	Clarke County	10,506	10,736	12,440
Union township, including Cumberland town....	1,105	1,183	1,302	Doyle township, including Hopeville town....	698	742	948
Victoria township.....	549	586	740	Franklin township.....	552	594	643
Washington township.....	573	561	639	Fremont township.....	528	609	732
Cedar County	17,560	17,765	19,371	Green Bay township.....	582	673	723
Cass township.....	524	591	685	Jackson township, including Woodburn town....	917	952	1,135
Center township, including Tipton city.....	3,337	3,281	3,817	Knox township.....	552	602	731
Dayton township, including Clarence town....	1,354	1,338	1,353	Liberty township.....	714	731	825
Fairfield township.....	533	602	625	Madison township.....	425	541	671
Farmington township, including Durant town....	1,531	1,490	1,400	Osceola township.....	574	602	609
Fremont township, including Stanwood town and part of Mechanicsville town....	1,246	1,238	1,161	Osceola City township, coextensive with Osceola city.....	2,684	2,416	2,505
Gower township.....	603	734	900	Troy township, including Murray town....	1,370	1,307	1,606
Inland township, including Bennett town....	1,037	973	1,055	Ward township.....	441	547	583
Iowa township.....	647	656	839	Washington township.....	471	520	604
Linn township.....	326	312	398				
Massillon township.....	696	714	812	Clay County	15,660	12,766	13,401
Pioneer township, including part of Mechanicsville town....	1,219	1,230	1,249	Clay township, including Royal town....	926	781	686
Red Oak township.....	402	418	443	Douglas township.....	599	598	618
Rochester township.....	507	407	686	Freeman township, including Dickens town....	857	728	784
Springdale township, including West Branch town....	1,639	1,740	1,908	Garfield township, including Webb town....	836	623	668
Springfield township, including Lowden town....	1,420	1,400	1,426	Gillett Grove township, including Greenville town....	785	631	632
Sugar Creek township.....	489	549	624	Herdland township.....	624	527	720
Cerro Gordo County	34,675	25,611	20,672	Lake township.....	439	399	412
Bath township.....	629	592	572	Lincoln township.....	623	616	671
Clear Lake township ²	768	673	710	Logan township.....	452	385	451
Clear Lake City township, ² coextensive with Clear Lake city.....	2,804	2,014	1,706	Lone Tree township, including Everly town....	911	792	844
Dougherty township, including Dougherty town....	812	726	717	Meadow township.....	720	619	570
Falls township, including Plymouth and Rock Falls towns.....	1,132	1,168	1,224	Peterson township, including Peterson town....	1,107	965	1,078
Gonesee township, including Rockwell town....	1,187	1,142	1,350	Riverton township.....	509	496	543
Grant township.....	642	619	703	Sioux township.....	550	551	513
Grimes township, including Meservey and Thornton towns.....	1,136	993	1,021	Spencer township, coextensive with Spencer city.....	4,599	3,005	3,095
Lake township ²	710	637	683	Summit township, including Fostoria town....	687	669	668
Lime Creek township.....	822	1,024	855	Waterford township.....	436	411	463
Lincoln township.....	591	533	585				
Mason township.....	483	824	501	Clayton County	25,032	25,576	27,750
Mason City township, coextensive with Mason City.....	20,065	11,230	6,743	Boardman township, including Elkader town....	1,002	1,817	2,096
Mount Vernon township.....	585	568	589	Buena Vista township, including North Buena Vista town....	468	490	434
Owen township.....	507	562	580	Cass township, including Strawberry Point town....	1,810	1,777	1,776
Pleasant Valley township, including Swaledale town....	772	756	842	Clayton township, including Clayton town....	723	715	763
Portland township.....	559	554	643	Cox Creek township, including Littleport town....	1,027	992	1,110
Union township.....	471	391	510	Elk township.....	833	968	1,130
				Farmersburg township, including Farmersburg town....	855	884	968
				Garnaville township, including Garnaville town....	755	806	894

² CERRO GORDO.—Parts of Clear Lake and Lake townships, comprising Clear Lake town (incorporated a city), taken to form Clear Lake City township and made coextensive therewith, since 1910.³ CHEROKEE.—Part of Amherst township (part of Marcus town) annexed to Marcus township since 1910.

NUMBER AND DISTRIBUTION.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Clayton County—Continued.				Davis County.....			
Giard township.....	803	847	1,117	Bloomfield township, coextensive with Bloomfield city.....	12,574	13,315	15,620
Grand Meadow township.....	669	697	830	Cleveland township.....	2,064	2,028	2,105
Highland township.....	552	623	877	Drakesville township, including Drakesville town.....	663	795	941
Jefferson township, including Guttentown town and part of Osterdock town.....	2,444	2,740	2,809	Fabius township.....	460	490	503
Lodowick township, including part of Edgewood town.....	1,169	1,184	1,395	Fox River township.....	679	723	986
Mallory township, including part of Osterdock town.....	952	1,017	1,156	Grove township.....	758	691	822
Marion township.....	891	934	986	Lack Creek township, including Floris town.....	1,023	969	1,168
Mendon township, including McGregor city and Marquette town.....	2,983	2,817	3,114	Marion township.....	651	792	938
Millville township.....	761	800	881	Perry township.....	473	495	593
Monona township, including Luana and Monona towns.....	1,941	1,752	1,728	Prairie township, including Pulaski town.....	703	798	779
Read township.....	583	689	792	Roscoe township.....	406	376	446
Sperry township, including Volga town.....	1,011	1,037	1,207	Salt Creek township.....	698	847	1,091
Volga township, including Elkport and Garber towns.....	1,091	1,183	1,200	Soap Creek township.....	756	841	1,034
Wagner township, including St. Olaf town.....	809	857	887	Union township.....	916	913	1,118
				West Grove township.....	746	746	857
				Wyacondah township.....	927	1,031	1,255
Clinton County.....				Decatur County.....			
Bloomfield township, including Delmar town.....	1,251	1,325	1,480	Bloomington township.....	671	632	726
Brookfield township.....	779	820	911	Burrell township, including part of Davis City town.....	789	1,023	1,264
Camanche township, including Camanche town.....	1,025	1,029	1,183	Center township.....	715	734	796
Center township.....	830	874	905	Decatur township, including Decatur City town.....	926	1,023	1,093
Clinton township, coextensive with Clinton city.....	24,151	25,577	22,698	Eden township.....	700	806	1,050
Deep Creek township, including Goose Lake town.....	695	867	979	Fayette township, including Lamoni town.....	2,174	1,967	2,025
Dewitt township, including Dewitt city.....	2,824	2,735	2,622	Franklin township, including Weldon town.....	963	944	935
Eden township, including Low Moor town.....	837	943	1,076	Garden Grove township, including Garden Grove and Le Roy towns.....	1,356	1,332	1,344
Elk River township, including Andover town.....	1,022	1,170	1,253	Grand River township.....	428	452	562
Grant township.....	609	607	732	Hamilton township, including Pleasanton town.....	738	789	814
Hampshire township.....	627	714	774	High Point township.....	604	619	799
Liberty township, including Toronto town.....	641	622	695	Leon township, coextensive with Leon town.....	2,193	1,991	1,905
Lincoln township.....	437	531	550	Long Creek township, including Van Wert town.....	1,201	1,156	1,150
Olive township, including Calamus town.....	1,170	1,183	1,296	Morgan township.....	487	528	693
Orangetownship, including Grand Mound town.....	1,009	987	1,038	New Buda township, including part of Davis City town.....	691	614	786
Sharon township, including Lost Nation town.....	1,171	1,251	1,170	Richland township, including Grand River town.....	1,233	1,029	1,287
Spring Rock township, including Wheatland town.....	1,229	1,247	1,109	Woodland township.....	649	723	886
Spring Valley township.....	360	385	384				
Washington township.....	630	678	782				
Waterford township, including Charlotte town.....	1,166	1,067	1,224				
Welton township, including Welton town.....	802	782	843				
Crawford County.....				Delaware County.....			
Boyer township.....	533	497	514	Adams township, including part of Ryan town.....	991	910	868
Charter Oak township, including Charter Oak town.....	1,365	1,313	1,491	Bremen township, including part of Dyersville town.....	999	883	968
Denison township, including Denison city.....	4,163	3,715	3,645	Coffins Grove township, including Masonville town.....	881	927	990
East Boyer township.....	620	543	629	Colony township, including Colesburg town.....	1,103	1,124	1,183
Goodrich township.....	571	600	807	Delaware township, including Manchester city.....	3,759	3,437	3,680
Hanover township.....	651	708	746	Delhi township, including Delhi town.....	1,033	1,040	1,030
Hayes township.....	532	560	736	Elk township, including Greeley town.....	1,091	1,123	1,270
Iowa township, including Aspinwall town.....	748	763	952	Hazel Green township, including part of Ryan town.....	728	768	857
Jackson township.....	622	611	659	Honey Creek township, including part of Edgewood town.....	986	994	1,152
Millford township, including Deloit town.....	795	912	1,088	Milo township.....	699	715	731
Morgan township.....	535	610	836	North Fork township.....	757	753	908
Nishnabotny township, including Manilla town.....	1,767	1,678	1,655	Onida township, including Delaware, Earlville, and Onida towns.....	1,577	1,564	1,673
Oster Creek township, including Kron and Schleswig towns.....	1,696	1,390	1,187	Prairie township.....	589	588	592
Paradise township, including part of Arion town.....	683	694	788	Richland township, including Dundee town.....	839	826	873
Soldier township, including Ricketts town.....	693	638	653	South Fork township, including Hopkinton town.....	1,565	1,553	1,752
Stockholm township.....	650	754	946	Union township.....	556	577	648
Union township, including Dow City town and part of Arion town.....	1,317	1,296	1,408				
Washington township, including Buck Grove town.....	747	731	793				
Westside township, including Vail and Westside towns.....	1,531	1,466	1,513				
Willow township.....	545	564	636				
Dallas County.....				Des Moines County.....			
Adams township.....	705	786	1,018	Augusta township.....	376	394	445
Adel township, including Adel and Dallas Center towns.....	3,063	2,770	2,691	Benton township.....	795	809	900
Beaver township, including Bouton town.....	764	777	811	Burlington township, comprising part of Burlington city.....	23,955	25,120	24,099
Boone township.....	735	692	718	Concordia township.....	300		
Colfax township.....	635	714	812	Darville township, including Danville and Midland towns.....	1,141	1,111	1,185
Dallas township, including Dawson town.....	849	898	908	Flint River township, including West Burlington town and part of Burlington city.....	2,310	2,416	2,346
Des Moines township, including Woodward town.....	2,046	2,308	1,463	Franklin township.....	877	826	984
Grant township, including Granger town.....	974	858	893	Huron township.....	744	772	900
Lincoln township.....	686	721	785	Jackson township.....	281	183	270
Linn township, including Linden town.....	925	983	1,109	Pleasant Grove township.....	633	680	848
Spring Valley township, including Perry city.....	6,349	5,334	4,858	Tama township.....	526		
Sugar Grove township, including Minburn town.....	1,130	1,182	1,183	Union township.....	969	1,047	1,249
Union township, including Dexter and Redfield towns.....	2,348	2,376	2,240	Washington township.....	822	827	845
Van Meter township, including De Soto and Van Meter towns.....	1,298	1,535	1,678	Yellow Springs township, including Mediapolis town.....	1,788	1,960	1,918
Walnut township, including Waukeetown.....	1,009	1,001	1,080				
Washington township.....	704	693	841				

¹ CLINTON.—Name of Grant township changed from Berlin since 1910.

² DES MOINES.—Part of Burlington township annexed to Burlington city and parts taken to form Concordia and Tama townships since 1910.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Dickinson County	10,241	8,137	7,995	Floyd County—Continued.			
Center Grove township, including Arnolds Park town and part of Spirit Lake town.....	2,808	1,919	1,901	Pleasant Grove township.....	507	559	650
Diamond Lake township.....	508	397	288	Riverton township.....	804	865	1,100
Excelsior township.....	515	288	427	Rock Grove township, including Nora Springs town and part of Rudd town.....	1,526	1,551	1,845
Lakeville township.....	404	369	314	Rockford township, including Rockford town and part of Rudd town.....	1,682	1,516	1,662
Lloyd township, including Terril town.....	955	614	623	Rudd township, including part of Rudd town.....	1,000	829	1,017
Millford township, including part of Millford town.....	688	722	751	St. Charles township.....	1,175	1,329	1,833
Okoboji township, including part of Millford town.....	1,205	949	829	Scott township.....	638	574	674
Richland township, including part of Superior town.....	525	462	490	Ulster township, including part of Rudd town.....	688	676	899
Silver Lake township, including Lake Park town and part of Spirit Lake town.....	1,117	804	836	Union township, including Marble Rock town.....	1,181	1,204	1,482
Spirit Lake township, including Orleans town and part of Spirit Lake town.....	470	448	445				
Superior township, including part of Superior town.....	551	542	578	Franklin County	15,307	14,780	14,996
Westport township.....	511	495	533	Clinton township, coextensive with Sheffield town.....	1,106	824	683
Dubuque County	58,262	57,450	56,403	Geneva township, including Geneva town.....	788	775	783
Cascade township, including part of Cascade town.....	1,040	1,170	1,250	Grant township.....	675	612	609
Center township, including Centralia, Graf, and Lattners towns.....	879	1,046	1,210	Hamilton township, including part of Coulter town.....	618	588	615
Concord township, including Holy Cross town.....	902	960	1,040	Ingham township, including Hansell town.....	730	965	676
Dodge township, including Worthington town and part of Farley town.....	1,052	979	1,062	Lee township.....	582	562	660
Dubuque township.....	2,349	1,517	1,510	Marion township, including Latimer town and part of Coulter town.....	1,255	1,176	920
Iowa township.....	659	688	738	Morgan township, including part of Dows town.....	1,060	1,076	1,139
Jefferson township, including Sherrill town.....	1,137	1,200	1,300	Mott township.....	476	534	547
Julien township, coextensive with Dubuque city.....	39,141	38,494	36,297	Oakland township, including Popejoy town.....	840	827	840
Liberty township, including Luxembourg town.....	792	806	955	Oscola township, including part of Ackley town.....	703	748	779
Mosalem township.....	617	724	942	Reeve township.....	606	626	659
New Wine township, including New Vienna town and part of Dyersville town.....	2,935	2,329	2,724	Richland township.....	580	596	613
Peru township, including Durango town.....	803	848	970	Ross township.....	686	694	687
Prairie Creek township, including Bernard town.....	767	735	872	Scott township, including Alexander town.....	902	803	770
Table Mound township.....	821	973	951	Washington township, coextensive with Hampton city.....	2,992	2,617	2,727
Taylor township, including Epworth town and part of Farley town.....	1,834	1,888	1,884	West Fork township.....	666	532	650
Vernon township.....	760	812	853	Wisner township.....	562	525	544
Washington township, including part of Zwingle town.....	669	692	737				
Whitewater township, including part of Cascade town.....	1,099	1,080	1,093	Fremont County	15,447	15,023	18,546
Emmet County	12,627	9,816	9,936	Benton township.....	729	764	951
Armstrong Grove township, including Armstrong town.....	1,354	1,038	1,391	Fisher township, including Farragut town.....	1,176	1,176	1,379
Center township, including Gruver town.....	655	532	573	Franklin township, coextensive with Hamburg city.....	2,017	1,817	2,079
Denmark township, including Ringsted town.....	1,238	907	791	Green township.....	754	873	1,000
Ellsworth township.....	500	481	458	Loest Grove township.....	575	583	743
Emmet township.....	370	375	393	Madison township.....	708	754	678
Estherville township, including Estherville city.....	5,262	3,858	3,713	Monroe township, including Imogene town.....	765	980	1,086
High Lake township, including part of Wallingford town.....	728	615	589	Prairie township.....	428	471	572
Iowa Lake township.....	436	337	293	Riverside township, including Randolph town.....	1,015	902	1,007
Jack Creek township.....	474	396	441	Riverton township, including Riverton town.....	958	1,000	1,221
Lincoln township, including Dolliver town.....	524	396	342	Ross township, comprising part of Tabor town.....	1,060	909	834
Swan Lake township.....	490	382	493	Scott township, including Thurman town.....	1,236	1,257	1,675
Twelve Mile Lake township, including part of Wallingford town.....	571	499	480	Sidney township, including Sidney town.....	2,588	2,831	3,363
				Walnut township.....	418	481	529
				Washington township.....	1,014	864	1,194
Fayette County	29,251	27,919	29,845				
Auburn township, including St. Lucas town.....	1,051	1,088	1,256	Greene County	16,467	16,023	17,820
Banks township.....	675	715	785	Bristol township.....	677	740	828
Bethel township.....	608	667	768	Cedar township.....	626	533	629
Center township, including Randalia town.....	824	806	826	Dawson township.....	595	650	722
Clermont township, including Clermont town.....	1,255	1,211	1,314	Franklin township.....	727	814	871
Dover township.....	941	1,013	1,108	Grant township.....	493	506	632
Eden township, including Waucoma town.....	1,201	1,222	1,402	Greenbrier township.....	562	622	698
Fairfield township, including Arlington town.....	1,474	1,491	1,824	Hardin township.....	556	614	756
Fayette township, coextensive with Fayette town.....	1,085	1,112	1,315	Highland township, including Churdan town.....	1,172	1,055	1,101
Fremont township, including Westgate town.....	1,023	998	1,080	Jackson township.....	631	620	700
Harlan township, including Maynard town.....	1,102	1,083	1,205	Jefferson township, coextensive with Jefferson city.....	3,416	2,477	2,601
Illyria township, including Wadena town.....	1,102	1,087	1,104	Junction township, including Dana and Grand town.....	2,156	2,312	2,484
Jefferson township, including Oswein city.....	5,313	7,006	6,076	Kendrick township.....	615	659	795
Oran township, including part of Fairbank town.....	828	890	961	Paton township, including Paton town.....	1,056	1,070	1,019
Pleasant Valley township, including Elgin town.....	1,307	1,271	1,507	Seranton township, including Seranton town.....	1,433	1,433	1,655
Putnam township.....	720	720	733	Washington township, including Rippey town.....	1,223	1,298	1,619
Scott township.....	546	579	674	Willow township.....	529	570	710
Smithfield township.....	689	685	771				
Union township.....	638	688	753	Grundy County	14,420	13,574	13,757
West Union township, coextensive with West Union city.....	1,777	1,652	1,935	Beaver township, including Stout town.....	959	906	833
Westfield township.....	755	814	958	Blackhawk township, including Reinbeck town.....	1,988	1,820	1,801
Windsor township, including Hawkeye town.....	1,272	1,231	1,380	Clay township, including Beaman and Conrad towns.....	1,345	1,374	1,404
				Collax township, including Holland town.....	913	868	921
Floyd County	18,860	17,119	17,754	Fairfield township.....	683	759	800
Cedar township.....	485	514	586	Felix township.....	639	589	691
Charles City township, coextensive with Charles City.....	7,350	5,892	4,227	German township.....	725	862	933
Floyd township, including Floyd town.....	1,039	959	1,138	Grant township, including Dike town.....	991	859	890
Niles township.....	725	651	791	Lincoln township.....	576	627	676
				Melrose township.....	624	579	632
				Palermo township, including Grundy Center town.....	2,418	1,986	1,976
				Pleasant Valley township.....	721	706	788
				Shiloh township, including Wellsburg town.....	1,184	1,023	978
				Washington township, including Morrison town.....	654	616	644

* FLOYD.—Parts of Rock Grove, Rockford, and Ulster townships annexed to Rudd town since 1910. No population returned for those parts of Rudd town in Rock Grove and Ulster townships.

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

[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. II, Table 1, p. 685. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Guthrie County.....	17,596	17,374	18,729	Harrison County—Continued.			
Baker township.....	646	562	688	Magnolia township, including Magnolia town...	1,288	1,345	1,381
Bear Grove township.....	826	884	710	Morgan township, including Mondamin town...	907	881	833
Beaver township, including Menlo town.....	1,372	1,374	1,477	Raglan township.....	520	567	667
Cass township, including Pandora town and part of Yale town.....	2,166	2,389	2,480	St. John township, including Missouri Valley city.....	4,876	4,042	5,125
Dodge township, including Bagley town.....	1,101	1,126	1,033	Taylor township, including Modale town.....	819	830	887
Grant township, including part of Adair town.....	687	735	704	Union township.....	800	907	1,016
Highland township, including Bayard town.....	1,351	1,144	1,238	Washington township, including Persia town.....	1,161	1,135	1,179
Jackson township.....	660	713	820				
Orange township.....	560	480	646	Henry County.....	18,298	18,640	20,022
Penn township.....	363	371	414	Baltimore township.....	641	710	871
Richland township, including Jamaica town and part of Yale town.....	1,050	1,199	1,286	Canaan township, including Mount Union town.....	908	905	947
Seely township.....	647	608	742	Center township.....	1,014	2,059	2,064
Stuart township, including part of Stuart city.....	1,450	1,529	1,601	Jackson township.....	630	629	804
Thompson township, including part of Casey town.....	1,385	1,306	1,284	Jefferson township, including Wayland town and part of Coppock town.....	1,707	1,604	1,621
Union township.....	472	405	463	Marion township.....	683	707	810
Valley township, including Guthrie Center town.....	2,374	2,014	1,986	Mount Pleasant township,* coextensive with Mount Pleasant city.....	3,987	3,874	4,109
Victory township.....	686	785	977	New London township, including New London town.....	1,811	1,938	1,869
Hamilton County.....	19,531	19,242	19,514	Salem township, including Hillsboro and Salem towns.....	1,510	1,523	1,653
Blairsburg township, including Blairsburg town.....	834	757	780	Scott township, including Winfield town.....	1,609	1,655	1,639
Boone township, coextensive with Webster City.....	5,657	5,208	4,613	Tippecanoe township, including Rome town.....	934	978	1,369
Cass township.....	613	654	686	Trenton township.....	846	981	1,124
Clear Lake township, including Stanhope town.....	1,074	1,052	1,169	Wayne township, including Olds town.....	1,112	1,077	1,142
Ellsworth township.....	558	638	1,005				
Freedom township.....	489	536	589	Howard County.....	13,705	12,920	14,512
Frederick township.....	500	555	607	Afton township, including part of Elma town.....	1,457	1,342	1,527
Fremont township.....	591	743	744	Albion township.....	597	509	622
Hamilton township.....	591	743	744	Chester township, including Chester town.....	710	665	718
Independence township, including Kanrar town.....	813	820	805	Forest City township, including Lime Springs town.....	1,109	1,001	1,236
Liberty township.....	755	757	772	Howard township, including part of Elma town.....	1,314	1,390	1,494
Lincoln township, including part of Ellsworth town.....	1,154	1,196	1,246	Howard Center township.....	574	548	687
Lyon township, including Jewell town and part of Ellsworth town.....	1,658	1,537	1,642	Jamestown township, including part of Riceville town.....	916	944	1,014
Marion township, including part of Stratford town.....	1,281	1,287	1,207	New Oregon township, including Protivin town.....	1,130	1,136	1,310
Rose Grove township.....	637	620	635	Oak Dale township.....	425	430	567
Scott township.....	908	926	987	Paris township.....	969	991	1,058
Webster township.....	653	704	870	Saratoga township.....	504	650	721
Williams township, including Williams town.....	1,056	947	1,068	Vernon Springs township, including Cresco city.....	3,910	3,314	3,558
Hancock County.....	14,723	12,731	13,752				
Amsterdam township, including Kanawha town.....	1,211	993	899	Humboldt County.....	12,951	12,182	12,667
Avery township, including part of Goodell town.....	831	808	885	Avery township, including Bradgate town.....	774	724	791
Bingham township, including Woden town.....	769	839	696	Beaver township.....	625	599	696
Boone township, including part of Corwith town.....	608	621	587	Corinth township.....	342	568	580
Britt township, including Britt town.....	2,166	1,685	1,945	Dakota township, coextensive with Dakota town.....	439	301	362
Concord township, including Garner town.....	1,877	1,519	1,829	Delana township, including Bode town.....	1,130	1,030	1,098
Crystal township, including Crystal Lake town.....	788	672	718	Grove township.....	557	582	648
Ell township, including Klemme town.....	970	767	756	Humboldt township, including Livermore town.....	1,224	1,097	1,207
Ellington township.....	801	823	941	Lake township, including Hardy town.....	742	700	765
Erin township.....	557	623	516	Norway township, including Thor town.....	998	954	1,057
Garfield township.....	677	609	588	Rutland township, including Rutland town.....	797	801	884
Liberty township.....	564	506	616	Springvale township, coextensive with Humboldt town.....	2,232	1,809	1,474
Madison township.....	738	641	652	Vernon township, including Renwick town and part of Luverne town.....	1,207	1,050	1,129
Magor township, including part of Corwith town.....	1,021	870	955	Wacousta township, including Ottosen town.....	850	748	826
Orchel township.....	571	537	620	Weaver township, including Pioneer town and part of Gilmore City town.....	1,064	1,129	1,180
Twin Lake township, including part of Goodell town.....	574	508	549				
Hardin County.....	23,337	20,921	22,794	Ida County.....	11,689	11,298	12,327
Alden township, including Alden town.....	1,833	1,631	1,605	Battle township.....	559	608	673
Buckeye township, including Buckeye town.....	779	701	637	Blaine township, including Arthur town.....	835	873	822
Clay township, including Steamboat Rock town.....	1,017	1,062	1,153	Corwin township, including Ida Grove city.....	2,532	2,405	2,034
Concord township.....	860	857	893	Douglas township.....	568	638	723
Eldora township, including part of Eldora city.....	3,140	2,512	2,372	Galva township, including Galva town.....	1,118	931	1,103
Ellis township.....	602	654	677	Garfield township.....	567	624	668
Etna township, including part of Ackley town.....	2,280	2,106	2,432	Grant township.....	586	580	650
Grant township.....	642	670	796	Griggs township, including Holstein town.....	1,812	1,589	1,602
Hardin township, including Iowa Falls city.....	5,001	3,737	3,846	Hayes township.....	589	700	858
Jackson township.....	857	815	928	Logan township.....	606	589	645
Pleasant township, including part of Eldora city.....	1,219	1,190	1,324	Maple township, including Battle Creek town.....	1,363	1,198	1,287
Providence township, including New Providence town.....	875	911	1,087	Silver Creek township.....	506	556	662
Sherman township, including Radcliffe town.....	1,276	1,237	1,321				
Tipton township, including Hubbard town.....	1,311	1,220	1,300	Iowa County.....	18,600	18,409	19,544
Union township, including Union and Whitten towns.....	1,665	1,618	1,743	Dayton township.....	691	728	755
Harrison County.....	24,488	23,162	25,597	English township, including Millersburg and North English towns.....	2,001	1,916	1,964
Allen township.....	596	633	669	Fillmore township, including Parnell town.....	1,145	1,233	1,365
Boyer township, including Woodbine town.....	2,266	2,310	2,167	Greene township.....	1,049	968	1,018
Calhoun township.....	509	526	506	Hartford township, including parts of Ladora and Victor towns.....	1,657	1,521	1,521
Cass township.....	843	935	924				
Cincinnati township.....	534	517	678	* HENRY. —Part of Center township, comprising Mount Pleasant city, taken to form Mount Pleasant township and made coextensive therewith, since 1910.			
Clay township.....	457	467	731	* IOWA. —Totals for 1910 and 1900 include population (1,922 and 1,971, respectively) of Amana and Cong townships, annexed to other townships since 1910. Changes in township boundaries since 1910: Part of Cong annexed to Honey Creek; remainder of Cong and parts of Honey Creek and Washington annexed to Marengo; parts of Marengo annexed to Sumner, Washington, and Hilton; parts of Amana and Iowa annexed to Hilton; part of Amana annexed to Lenox; remainder of Amana and part of Lenox annexed to Washington.			
Douglas township.....	750	706	735				
Harrison township, including Dunlap town.....	2,128	1,646	2,178				
Jackson township, including Pisgah town.....	970	769	682				
Jefferson township, including Logan town.....	2,619	2,596	2,593				
La Grange township.....	724	743	728				
Lincoln township.....	600	579	654				
Little Sioux township, including Little Sioux town.....	1,114	1,048	1,275				

* HANCOCK.—Name of Liberty township changed from German since 1910.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Iowa County—Continued.				Johnson County—Continued.			
Hilton township ^a	856	691	694	Madison township.....	410	437	472
Honey Creek township ^a	656	791	904	Monroe township.....	612	672	843
Iowa township ^a	785	851	934	Newport township.....	489	580	589
Lenox township ^a	1,342	362	420	Oxford township, including Oxford town.....	1,250	1,348	1,515
Lincoln township.....	660	709	707	Penn township, including North Liberty town.....	613	682	688
Marengo township, ^a including Marengo city.....	2,795	2,348	2,662	Pleasant Valley township.....	443	465	514
Pilot township.....	721	706	775	Scott township.....	689	761	775
Summer township, ^a including part of Ladora town.....	663	608	655	Sharon township.....	1,033	1,027	1,041
Troy township, including Williamsburg town.....	2,005	1,782	1,883	Union township.....	666	669	811
Washington township ^a	837	466	505	Washington township.....	1,088	1,043	1,066
York township.....	737	747	772	West Lucas township, including Coralville town.....	540	556	702
Jackson County.....	19,931	21,258	23,615	Jones County.....	18,607	19,050	21,954
Bellevue township, including Bellevue town.....	2,398	2,623	2,501	Cass township.....	604	655	851
Brandon township.....	691	862	1,133	Castle Grove township.....	663	688	784
Butler township.....	603	699	788	Clay township.....	558	537	673
Fairfield township, including part of Spragueville town.....	609	656	778	Fairview township, including Anamosa city.....	3,860	4,006	4,366
Farmers Creek township.....	815	907	1,020	Greenfield township, including Martelle town.....	732	781	842
Iowa township, including part of Miles city.....	978	1,017	1,133	Hale township.....	663	790	1,012
Jackson township, including Springbrook town.....	700	820	893	Jackson township.....	612	689	818
Maquoketa township, including part of Maquoketa city.....	2,533	2,800	2,859	Lowell township, including Monticello city.....	2,975	2,763	3,014
Monmouth township, including Baldwin and Monmouth towns.....	1,066	1,211	1,520	Madison township, including Center Junction town and parts of Onslow and Wyoming towns.....	909	1,006	1,253
Otter Creek township, including part of Zwingle town.....	654	648	762	Oxford township, including Oxford Junction town.....	1,487	1,584	1,605
Perry township, including Andrew town.....	1,027	904	1,179	Richland township, including part of Cascade town.....	708	759	801
Prairie Springs township, including part of La Motte town.....	672	718	784	Rome township, including Olin town.....	1,438	1,237	1,734
Richland township, including part of La Motte town.....	705	767	834	Scotch Grove township.....	639	653	855
South Fork township, including Hurstville town and part of Maquoketa city.....	2,788	2,897	3,144	Washington township.....	468	544	580
Tote Des Morts township.....	513	584	707	Wayne township.....	915	900	1,046
Union township, including Sabula town.....	1,043	1,130	1,252	Wyoming township, including parts of Onslow and Wyoming towns.....	1,358	1,478	1,720
Van Buren township, including Preston town and parts of Miles city and Spragueville town.....	1,338	1,418	1,487	Keokuk County.....	20,983	21,160	24,979
Washington township, including Green Island town.....	708	807	835	Adams township, including Keswick town.....	962	875	949
Jasper County.....	27,855	27,034	26,976	Benton township, including Hedrick town.....	1,616	1,768	2,108
Buena Vista township.....	918	896	900	Clear Creek township.....	701	689	796
Clear Creek township.....	740	796	891	East Lancaster township.....	354	376	.....
Des Moines township, including Prairie City town.....	1,819	1,993	2,125	English River township, including South English and Webster towns.....	1,270	1,177	1,240
Elk Creek township.....	859	904	1,064	Jackson township, including Ollie town.....	1,145	1,124	1,275
Fairview township, including Monroe town.....	2,094	2,028	2,320	Lafayette township, including Harper and Keota towns.....	1,982	1,951	2,080
Hickory Grove township.....	703	656	743	Liberty township, including Kinross town.....	941	949	1,000
Independence township, including Baxter town.....	1,288	1,801	1,422	Plank township ¹⁰	872	948	1,147
Kellogg township, including Kellogg town.....	1,288	1,255	1,363	Prairie township, including Thornburg town.....	1,068	1,165	1,453
Lynn Grove township, including Lynnaville and Sully towns.....	1,710	1,492	1,472	Richland township, including Richland town.....	1,402	1,363	1,434
Malaka township.....	569	601	630	Sigourney township, including Sigourney city.....	2,523	2,360	2,372
Mariposa township.....	507	635	694	Steady Run township, including Martinsburg town.....	838	944	1,198
Mound Prairie township.....	892	1,383	885	Van Buren township.....	754	757	865
Newton township, including Newton city.....	7,280	5,518	4,637	Warren township, including Delta town.....	1,364	1,445	1,526
Palo Alto township, including Reesor town.....	1,038	1,035	1,209	Washington township, including What Cheer city.....	2,549	2,620	4,286
Poweshiek township, including Mingo and Valeria towns.....	1,170	1,259	1,423	West Lancaster township, including Hayesville town.....	642	649	.....
Richland township.....	653	755	803	Kossuth County.....	25,082	21,971	22,720
Rock Creek township.....	522	631	613	Algona township, coextensive with Algona city.....	3,724	2,908	2,911
Sherman township.....	502	573	645	Buffalo township, including Titonka town.....	831	791	728
Washington township, including Colfax city.....	3,247	3,263	3,091	Burt township, including Burt town and part of Lonerock town.....	1,301	1,059	1,090
Jefferson County.....	18,440	15,951	17,437	Cresco township.....	608	502	567
Black Hawk township.....	710	745	722	Eagle township.....	335	284	249
Buchanan township.....	761	817	947	Fenton township, including Fenton town and part of Lonerock town.....	1,153	873	763
Cedar township.....	551	506	673	Garfield township.....	693	671	662
Center township.....	909	866	.....	German township.....	650	628	668
Des Moines township.....	763	785	962	Grant township.....	371	336	383
Fairfield township, coextensive with Fairfield city.....	5,948	4,970	5,950	Greenwood township, including Bancroft town.....	1,484	1,417	1,414
Liberty township, including Libertyville town.....	1,007	1,058	1,017	Harrison township, including Swea City town.....	1,266	901	822
Lockridge township, including Lockridge city.....	1,049	1,086	1,229	Hebron township.....	475	499	454
Locust Grove township, including Batavia town.....	1,155	1,243	1,540	Irvington township.....	742	699	767
Penn township, including Pleasant Plain town.....	1,007	1,152	1,322	Ledyard township, including Lakota and Ledyard towns.....	1,213	1,066	1,170
Polk township, including Packwood town.....	1,096	1,040	1,265	Lincoln township.....	506	429	518
Round Prairie township.....	732	815	887	Lotts Creek township.....	752	694	668
Walnut township, including part of Coppock town.....	687	808	923	Luverne township, including part of Luverne town.....	1,040	833	890
Johnson County.....	26,462	25,914	24,817	Plum Creek township.....	448	425	474
Big Grove township, including Solon town.....	1,102	1,138	1,228	Portland township.....	507	496	531
Cedar township.....	598	705	803	Prairie township.....	711	616	656
Clear Creek township, including Tiffin town.....	656	622	507	Ramsay township.....	681	575	544
East Lucas township.....	435	421	538	Riverdale township.....	532	508	596
Fremont township, including Lone Tree town.....	1,491	1,637	1,550	Seneca township.....	563	540	637
Graham township.....	643	669	607	Sherman township.....	497	535	594
Hardin township.....	618	688	691	Springfield township.....	434	399	383
Jefferson township.....	700	675	749	Swea township.....	513	563	565
Liberty township, including Hills town.....	704	636	677	Union township.....	622	567	577
Lincoln township.....	417	432	454	Wesley township, including Wesley town.....	1,040	1,055	1,362
Lucas township, coextensive with Iowa City.....	11,267	10,091	7,987	Whittemore township, including Whittemore town.....	1,385	1,112	1,103

^a Iowa.—For footnote, see preceding page.

¹⁰ KEOKUK.—Total for 1900 includes population (1,282) of Lancaster township, taken to form East and West Lancaster townships between 1900 and 1910; name of Plank township changed from German since 1910.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Lee County.	39,876	36,702	39,719	Lyon County—Continued.			
Cedar township	872	863	827	Liberal township, including part of George town.	704	731	648
Charleston township	730	786	935	Logan township	614	556	505
Denmark township	617	674	717	Lyon township	597	653	543
Des Moines township	808	799	1,004	Midland township	403	402	385
Franklin township, including Donnellson and Franklin towns	1,313	1,290	1,397	Richland township, including Inwood town	1,332	1,207	1,041
Green Bay township	684	744	898	Riverside township, including part of Rock Rapids town	531	577	455
Harrison township	595	614	735	Rock township, including part of Rock Rapids town	2,478	2,207	2,059
Jackson township, including Keokuk city	15,810	15,446	16,243	Sioux township	502	516	440
Jefferson township	604	607	796	Wheeler township, including part of George town	1,285	1,155	956
Madison township, coextensive with Fort Madison city	12,066	8,900	9,273				
Marion township, including St. Paul town	803	746	861	Madison County	15,020	15,621	17,710
Montrose township, including Montrose town	1,404	1,780	1,813	Center township, coextensive with Winterset city	2,906	2,818	3,039
Pleasant Ridge township	619	638	795	Crawford township, including Patterson town and part of Bevington town	658	707	830
Van Buren township	545	613	876	Douglas township	703	736	899
Washington township	946	910	994	Grand River township, including Macksburg town	829	763	900
West Point township, including West Point town	1,260	1,342	1,550	Jackson township	643	615	766
				Jefferson township	563	643	863
Linn County.	74,004	60,720	55,392	Lee township	457	497	606
Bertram township, including Bertram town	605	618	859	Lincoln township	694	699	798
Boulder township, including Prairieburg town	834	896	987	Madison township, including Earlham town	1,490	1,459	1,424
Brown township, including Springville town	1,600	1,637	1,848	Monroe township	554	649	737
Buffalo township	412	426	493	Ohio township, including Truro town	877	940	958
Cedar township, including Kenwood Park town and part of Marion city	2,701	1,779	1,004	Penn township	641	698	765
Clinton township	845	796	917	Scott township	771	781	960
College township	1,093	920	1,067	South township, including St. Charles town	1,133	1,194	1,445
Fairfax township	1,043	1,002	1,067	Union township	541	595	770
Fayette township, including Palo town	617	611	624	Walnut township, including East Peru town	987	1,135	1,113
Franklin township, including Lisbon and Mount Vernon towns	2,848	3,040	3,381	Webster township	603	687	837
Grant township, including Walker town	1,139	1,190	1,258				
Jackson township, including Coggon town	1,350	1,254	1,363	Mahaska County	20,270	29,860	34,273
Linn township	798	807	890	Adams township	601	780	674
Maine township, including Central City town	1,646	1,564	1,790	Black Oak township, including Leighton town	836	870	993
Marion township, including part of Marion city	5,876	6,225	6,981	Cedar township, including Fremont town	1,290	1,318	1,449
Monroe township, including Robins town	1,017	1,091	1,328	East Des Moines township	462	629	1,983
Otter Creek township, including Alburnett town	870	903	933	Garfield township, including Beacon town	1,299	1,904	3,128
Putnam township, including Ely town	783	821	897	Harrison township, including part of Eddyville town	953	1,102	3,129
Rapids township, coextensive with Cedar Rapids city	45,566	32,811	27,081	Jefferson township	1,085	2,585	969
Spring Grove township	948	834	1,000	Lincoln township	394	415	10,136
Washington township, including Center Point town	1,413	1,495	1,615	Madison township	744	760	866
				Monroe township	723	799	1,038
Louisa County.	12,179	12,855	13,516	Oskaloosa township, coextensive with Oskaloosa city	9,427	9,466	.....
Columbus City township, including Columbus City, Columbus Junction, and Cotter towns	2,438	2,794	2,757	Pleasant Grove township, including part of Barnes City town	932	990	1,104
Concord township	508	620	828	Prairie township, including New Sharon town	1,949	1,980	2,146
Eliot township, including Oakville town	1,060	981	873	Richland township	900	1,051	1,213
Eira Grove township	524	496	576	Scott township	749	846	942
Grandview township, including Grandview and Letts towns	1,404	1,522	1,397	Spring Creek township, including University Park town	1,292	1,474	1,430
Jefferson township	462	475	608	Union township	816	917	939
Marshall township	467	544	608	West Des Moines township	592	662	460
Morning Sun township, including Morning Sun town	1,343	1,591	1,761	White Oak township, including Rose Hill town	1,162	1,311	1,624
Oakland township	412	462	562				
Port Louisa township	654	608	653	Marion County	24,957	22,995	24,159
Union township	467	529	646	Clay township, including Harvey town	1,297	1,321	1,264
Wapello township, including Wapello city	2,380	2,233	2,347	Dallas township, including Dallas and Melcher towns	3,259	980	1,140
				Franklin township	669	631	789
Lucas County.	15,686	13,462	16,126	Indiana township	804	776	995
Benton township	400	587	631	Knoxville township, including Knoxville city	6,331	5,626	5,688
Cedar township	651	658	735	Lake Prairie township, including Pella city	4,805	4,648	4,461
Chariton township, coextensive with Chariton city	5,175	3,794	3,989	Liberty township, including Bussey, Hamilton, and Marysville towns	2,030	2,998	2,431
English township	934	708	854	Perry township	345	351	553
Jackson township, including Lucas town	1,237	1,274	2,792	Pleasant Grove township, including Pleasantville town	1,501	1,460	1,594
Liberty township	636	755	908	Polk township	496	555	666
Lincoln township	738	736	746	Red Rock township	663	693	824
Otter Creek township	649	677	756	Summit township	899	952	1,218
Pleasant township	1,961	799	1,002	Swan township, including Swan town	637	750	940
Union township, including Derby town	861	873	899	Union township	416	425	553
Warren township	580	653	726	Washington township	805	830	1,043
Washington township, including Russell town	1,214	1,225	1,342				
Whitebreast township	650	663	746	Marshall County.	32,630	30,279	29,991
				Bangor township	539	537	626
Lyon County.	15,431	14,624	13,165	Eden township, including Edenville town	996	968	1,123
Allison township	399	350	340	Greencastle township, including Ferguson and Gilman towns	1,469	1,362	1,421
Centennial township	470	456	895	Iowa township, including Albion town	706	771	807
Cleveland township	610	561	571	Jefferson township, including Laurel town	1,010	953	985
Dale township	623	621	555	Le Grand township, including Le Grand town	1,239	1,385	1,712
Doon township, including Alvord and Doon towns	1,551	1,472	1,370	Liberty township, including part of St. Anthony town	831	879	975
Elgin township, including Little Rock town	1,022	827	744	Linn township	1,212	976	1,087
Garfield township	553	609	488	Liscomb township, including Liscomb town	932	944	1,039
Grant township	650	653	621	Logan township, including Melbourne town	1,095	1,079	1,099
Larchwood township, including Larchwood and Lester towns	1,107	1,071	1,040				

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

[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. II, Table 1, p. 685. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Marshall County—Continued.				Montgomery County.....			
Marion township.....	719	732	811	Douglas township, including Grant town.....	919	868	963
Marion township.....	870	971	893	East township ¹²	615	.....	.....
Marshall township, coextensive with Marshall town city.....	15,731	13,874	11,544	Frankfort township, including part of Stanton town.....	734	736	887
Milerva township, including Clemons town and part of St. Anthony town.....	892	927	904	Garfield township.....	572	618	684
State Center township, including State Center town.....	1,047	1,537	1,040	Grant township, including Coburg town.....	736	819	796
Taylor township.....	435	446	497	Jackson township, ¹² coextensive with Villisca city.....	2,111	2,666	3,147
Timber Creek township.....	872	976	1,165	Lincoln township.....	576	636	723
Vienna township.....	660	675	738	Pilot Grove township.....	727	745	837
Washington township.....	775	787	916	Red Oak township, including Red Oak city.....	6,273	5,550	5,417
Mills County.....				Scott township, including part of Stanton town.....	1,413	1,398	1,369
Anderson township, including Henderson town.....	1,177	1,103	1,195	Sherman township, including Elliott town.....	920	1,111	1,223
Center township.....	949	743	1,000	Washington township.....	737	701	948
Deer Creek township.....	985	929	704	West township.....	715	696	804
Glenwood township, including Glenwood city.....	4,285	4,682	3,728	Muscatine County.....			
Indian Creek township, including Emerson and Hastings towns.....	1,609	1,629	1,601	Bloomington township.....	980	920	965
Ingraham township, including Silver City town.....	1,075	1,037	1,171	Cedar township.....	804	860	845
Lyons township.....	613	640	915	Fruitland township.....	718	824	917
Malvern township, coextensive with Malvern town.....	1,195	1,154	1,106	Fulton township, including Stockton town.....	828	894	995
Oak township.....	1,173	1,157	1,268	Goshen township, including Atalissa town.....	740	818	906
Plattville township, including Pacific Junction town.....	941	983	1,421	Lake township.....	533	505	586
Rawles township, including part of Tabor town.....	771	804	1,046	Montpelier township.....	469	508	586
St. Mary township.....	141	162	276	Moscow township.....	601	724	704
Silver Creek township.....	429	420	490	Muscatine township, coextensive with Muscatine city.....	10,068	10,178	14,073
White Cloud township.....	679	596	687	Orono township, including Conesville town.....	497	560	562
Mitchell County.....				Pike township, including Nichols town.....	1,061	1,073	1,151
Burr Oak township.....	527	548	622	Seventy-six township.....	590	634	650
Cedar township.....	799	845	983	Sweetland township.....	1,022	1,068	1,188
Douglas township.....	592	645	689	Wapnicon township, including West Liberty town.....	2,613	2,519	2,565
East Lincoln township.....	313	359	.....	Wilton township, including Wilton town.....	1,928	1,920	2,009
Jenkins township, including parts of McIntire and Riceville towns.....	1,200	1,132	1,081	O'Brien County.....			
Liberty township, including part of Meyer town.....	579	619	917	Baker township.....	700	442	661
Mitchell township, including Mitchell and West Mitchell towns.....	775	788	938	Caledonia township.....	766	826	793
Newburg township, including Carpenter town.....	684	637	670	Carroll township, including Archer town and part of Sheldon city.....	866	754	749
Osage township, including Osage city.....	3,183	2,728	3,062	Center township, including part of Primghar town.....	773	760	782
Otranto township.....	750	692	840	Dale township, including part of Primghar town.....	801	835	836
Rock township.....	586	583	676	Floyd township, including part of Sheldon city.....	4,040	3,512	2,856
St. Ansgar township, including St. Ansgar town.....	1,824	1,235	1,227	Franklin township, including Sanborn town.....	2,055	1,674	1,690
Stacyville township, including Stacyville town and part of Meyer town.....	983	1,080	1,185	Grant township.....	628	666	695
Union township.....	478	485	538	Hartley township, including Hartley town.....	1,765	1,590	1,532
Wayne township, including Bailey town and parts of McIntire and Meyer towns.....	753	724	804	Highland township, including part of Primghar town.....	686	690	789
West Lincoln township, including Orchard town.....	395	385	.....	Liberty township, including Calumet town.....	752	885	802
Monona County.....				Lincoln township.....	570	494	522
Ashton township, including part of Whiting town.....	912	862	669	Omega township, including Moneta town.....	658	630	726
Belvidere township, including Turin town.....	611	506	614	Summit township, including part of Primghar town.....	1,094	902	1,042
Cooper township.....	595	637	638	Union township, including Paulina town.....	1,546	1,401	1,247
Fairview township.....	574	621	671	Waterman township, including Sutherland town.....	1,351	1,201	1,263
Franklin township.....	397	402	564	Osceola County.....			
Grant township, including Rodney town.....	473	668	802	Allison township.....	606	470	344
Jordan township.....	904	800	944	Baker township, including Melvin town.....	933	702	615
Kennebec township, including Castana town.....	738	716	776	Fairview township, including Harris town.....	707	566	536
Lake township.....	996	940	921	Gilman township, including Ashton town.....	1,170	1,104	1,208
Lincoln township.....	470	534	545	Goewey township.....	647	607	647
Maple township.....	599	601	919	Harrison township.....	545	634	662
Mapleton township, coextensive with Mapleton town.....	694	700	788	Holman township, including Sibley town.....	3,019	2,615	2,878
Onawa township, coextensive with Onawa town.....	1,367	1,100	1,069	Horton township.....	427	399	374
St. Clair township, including Ute town.....	2,256	2,026	1,933	Ocheyedan township, including Ocheyedan town.....	1,309	1,008	1,098
Sherman township, including Blencoe town.....	1,267	1,067	1,088	Viola township.....	467	441	470
Sioux township.....	780	829	1,036	Wilson township.....	393	370	393
Soldier township, including Soldier town.....	195	400	585	Page County.....			
Spring Valley township, including Moorhead town.....	980	880	787	Amity township, including College Springs town and part of Braddyville town.....	1,172	1,311	1,397
West Fork township, including part of Whiting town.....	1,055	902	982	Buchanan township, including part of Braddyville town.....	818	832	1,065
Willow township.....	598	604	690	Colfax township, including Blanchard town and part of Coin town.....	1,023	1,029	1,191
Monroe County.....				Douglas township.....	558	625	700
Bluff Creek township.....	3,306	4,854	998	East River township.....	628	752	980
Cedar township.....	713	763	824	Fremont township.....	693	805	954
Franklin township.....	590	596	755	Grant township, including Shenandoah city.....	5,802	5,566	4,336
Guilford township.....	2,342	3,498	2,635	Harlan township, including Shambaugh town.....	849	925	1,113
Jackson township, including Melrose town.....	905	984	986	Lincoln township, including part of Coin town.....	1,148	1,174	1,220
Mantua township.....	1,116	2,406	2,060	Morton township.....	492	536	624
Monroe township, including Foster town.....	765	1,050	1,236	Nebraska township.....	399	453	701
Pleasant township.....	1,377	1,507	1,358	Nodaway township, including Clarinda city and part of Yorktown town.....	6,894	6,297	5,840
Troy township, including Albia city.....	6,661	7,086	4,552	Pierce township, including Essex town.....	1,384	1,377	1,339
Union township, including Lovilia town.....	3,307	1,351	1,242	Tarkio township, including part of Yorktown town.....	752	751	938
Urbana township.....	598	721	839	Valley township, including Hapburn town.....	801	772	1,003
Wayne township.....	1,787	583	600	Washington township, including Northboro town.....	766	797	806

¹¹ MITCHELL.—Total for 1900 includes population (864) of Lincoln township, taken to form East and West Lincoln townships between 1900 and 1910.

¹² MONTGOMERY.—East township organized from that part of Jackson township outside of Villisca city, and Villisca city made coextensive with Jackson township, since 1910.

NUMBER AND DISTRIBUTION.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Palo Alto County	15,486	13,845	14,354	Polk County—Continued.			
Booth township	537	493	488	Lincoln township, including part of Sheldahl town	817	752	827
Ellington township	512	507	506	Madison township, ¹⁴ including Polk City town	764	1,220	1,554
Emmetsburg township, including part of Emmetsburg city	2,001	1,730	1,786	Saylor township	1,482	1,100	1,303
Fairfield township, including Cylinder town	764	769	843	Union township, ¹⁴ including part of Sheldahl town	423		
Fern Valley township, including Rodman town	639	592	659	Valley township, coextensive with Valley Junction city	3,631	2,573	
Freedom township, including part of Emmetsburg city	1,774	1,534	1,507	Walnut township, including Clover Hill town	1,306	1,069	2,500
Great Oak township	564	580	595	Washington township	723	750	829
Highland township, including Ruthven town	1,414	1,228	1,453	Webster township, including Urbandale town and part of Grimes town	1,556	1,074	1,019
Independence township	647	592	652				
Lost Island township	700	634	663	Pottawattamie County	61,560	55,832	54,386
Nevada township	417	343	347	Belknap township, including Oakland town	1,588	1,539	1,541
Rush Lake township, including Curlew and Mallard towns	1,240	1,040	1,069	Boomer township	840	919	1,022
Silver Lake township, including Ayrshire town	1,030	979	981	Carson township, including Carson town	1,090	1,036	1,219
Vernon township	504	454	545	Center township	595	630	762
Walnut township, including Graettinger town	1,464	1,201	1,015	Crescent township	732	781	903
West Bend township, including West Bend town	1,219	1,109	1,216	Garner township	1,415	1,596	1,535
				Grove township	668	895	815
Plymouth County	23,584	23,129	22,269	Hardin township, including McClelland town	875	875	792
Akron township, ¹³ coextensive with Akron town	1,324	1,130	1,029	Hazel Dell township	904	939	1,101
America township ¹³	644	640	660	James township	613	652	734
Elgin township, including Struble town	747	1,047	922	Kane township, including Council Bluffs city	36,387	20,500	25,932
Elkhorn township	577	591	591	Keg Creek township, including part of Treynor town	637	712	757
Fredonia township	638	595	681	Knox township, including Avoca town	2,001	2,142	2,265
Garfield township, including Kingsley town	1,532	1,557	1,305	Layton township, including Walnut town	1,576	1,428	1,491
Grant township, including Craig town	680	730	690	Lewis township	1,265	1,291	1,408
Hancock township	232	242	219	Lincoln township	490	586	661
Henry township	520	524	571	Macedonia township, including Macedonia town	769	813	784
Hungerford township, including Hinton town	787	871	639	Minden township, including Minden town	1,078	1,176	1,115
Johnson township	640	626	618	Neola township, including Neola town	1,536	1,710	1,710
Le Mars township, ¹³ coextensive with Le Mars city	4,083	4,157	4,140	Norwalk township, including Underwood town	988	1,069	1,151
Liberty township	627	602	622	Pleasant township	585	592	729
Lincoln township	612	630	673	Rockford township	872	944	1,055
Marion township, including Oyens town	704	725	754	Silver Creek township, including part of Treynor town	750	717	752
Meadow township	500	651	662	Valley township, including Hancock town	906	903	1,059
Perry township	654	582	471	Washington township	596	708	781
Plymouth township, including Merrill town	1,070	1,067	922	Waveland township	630	691	781
Portland township ¹³	618	544	555	Wright township	515	600	709
Preston township	617	594	599	York township	539	568	623
Remsen township, including Remsen town	1,827	1,765	1,660				
Sioux township	575	577	558	Poweshiek County	19,910	19,589	19,414
Stanton township	509	625	725	Bear Creek township, including Brooklyn town	2,137	1,862	1,842
Union township	534	599	640	Chester township	542	553	602
Washington township, including Brunsville town	726	656	611	Deep River township, including Deep River town	1,171	1,190	1,194
Westfield township, including Westfield town	917	863	777	Grant township ¹⁶	865		
				Grinnell township, ¹⁶ coextensive with Grinnell city	5,362	5,850	4,601
Pocahontas County	15,602	14,808	15,339	Jackson township, including Montezuma town and part of Barnes City town	2,127	2,067	2,165
Bellville township, including Palmer town	981	916	801	Jefferson township, including Hartwick town	824	809	902
Cedar township, including Ponda town	1,065	1,559	1,770	Lincoln township, including Guernsey town	835	866	804
Center township, including Pocahontas town	1,398	1,073	1,171	Madison township	561	603	646
Clinton township, coextensive with Rolle town	1,031	954	1,731	Malcom township, including Malcom town	952	903	1,020
Collax township	758	807	705	Pleasant township	691	635	676
Cummins township	523	589		Scott township	578	573	653
Des Moines township	629	629	658	Sheridan township	555	613	635
Dover township, including Varina town	738	794	804	Sugar Creek township, including Searsboro town	885	987	1,107
Garfield township, including part of Gilmore City town	734	673		Union township	470	600	700
Grant township	425	651	605	Warren township, including part of Victor town	865	844	910
Lake township, including part of Gilmore City town	841	734	776	Washington township	490	629	747
Lincoln township	594	609	660				
Lizard township	679	563	632	Ringgold County	12,919	12,904	15,925
Marshall township	642	662	604	Athens township, including Kellerton town	1,365	1,114	1,254
Powhatan township, including Plover town	932	882	920	Benton township, ¹⁶ including Malay town	478	737	757
Roosevelt township	431	477		Clinton township, including Redding town	820	709	892
Sherman township	689	624	629	Grant township, ¹⁶ including part of Clearfield town	594	574	749
Swan Lake township, including Laurens town	1,532	1,419	1,661	Jefferson township, including Knewilton town and parts of Diagonal and Shannon City towns	863	795	1,023
Washington township, including Havelock town	381	293	1,012	Liberty township	616	585	744
				Lincoln township	561	561	715
Polk County	154,029	110,438	82,624	Lots Creek township	329	591	675
Allen township	452	548	641	Middle Fork township	465	470	603
Beaver township, including Mitchellville town	1,552	1,303	1,352	Monroe township, including Beaconsfield town	770	738	933
Bloomfield township, including Fort Des Moines town	3,304	2,441	907	Mount Ayr township, coextensive with Mount Ayr town	1,738	1,646	1,729
Camp township, including Runnells town	1,364	1,466	1,570	Poe township	500	438	600
Clay township, including Altoona town	1,099	1,126	1,014	Rice township ¹⁶	584	676	781
Crocker township, including Ankeny town	2,036	2,055	1,010	Riley township	308	376	611
Delaware township	990	1,254	791	Tingley township, including Tingley town	745	935	1,101
Des Moines township, comprising wards 1 to 4 of Des Moines city	83,202	54,433	38,398	Union township, including Ellston town	697	762	941
Douglas township, including part of Bondurant town	1,021	1,666	775	Waubesa township, ¹⁶ including Benton town	448		
Elkhart township, including Elkhart town	1,028	923	938	Washington township, ¹⁶ including part of Diagonal town	1,063	1,089	1,125
Four Mile township	808	954	1,534				
Franklin township, including part of Bondurant town	899	894	957				
Jefferson township, ¹⁴ including part of Grimes town	11 2,306	843	964				
Lee township, comprising wards 5 to 7 of Des Moines city	43,268	31,935	23,741				

¹³ PLYMOUTH.—Part of Portland township, comprising Akron town, taken to form Akron township, and made coextensive therewith, since 1910. Le Mars township returned with America township in 1910.

¹⁴ POLK.—Union township returned as a part of Madison in 1910. Population of Jefferson township in 1920 includes that of Camp Dodge (1,404).

¹⁵ POWESHIEK.—Grant township organized from that part of Grinnell township outside Grinnell city, and Grinnell city made coextensive with Grinnell township, since 1910.

¹⁶ RINGGOLD.—Total for 1900 includes population (192) of Benton town, returned independently in that year. Waubesa township organized from parts of Benton, Grant, Rice, and Washington townships since 1910.

POPULATION—IOWA.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Sac County	17,500	13,555	17,639	Sioux County—Continued.			
Boyer Valley township, including Early town.	1,116	1,173	1,338	Settlers township.....	220	216	244
Cedar township, including part of Lytton town.	885	817	698	Sheridan township, including Boyden town.....	1,144	1,150	1,030
Clinton township.....	597	591	721	Sherman township, including Maurice town.....	980	956	940
Cook township.....	595	635	703	Sioux township.....	629	615	621
Coon Valley township.....	681	723	739	Washington township.....	546	602	593
Delaware township, including Nemaha town.....	748	652	715	Welcome township, including part of Sioux			
Douglas township.....	594	558	556	Center town.....	761	878	763
Eden township.....	502	518	586	West Branch township, including part of Sioux			
Eureka township, including Schaller town.....	1,213	1,166	1,312	Center town.....	2,182	1,791	1,571
Jackson township, including Sac City.....	3,161	2,785	2,658				
Levey township, including part of Wall Lake				Story County	26,185	24,083	23,159
town.....	1,180	1,064	1,202	Collins township, including Collins town.....	1,132	1,128	1,253
Richland township, including Odebolt town.....	2,009	1,879	2,074	Franklin township, including Gilbert town.....	980	1,119	1,075
Sac township, including Auburn and Grant City				Grant township.....	712	725	726
towns.....	1,116	1,225	1,221	Howard township, including Roland town.....	1,535	1,395	1,421
Viola township, including part of Wall Lake				Indian Creek township, including Maxwell			
town.....	983	920	994	town.....	1,480	1,550	1,666
Wall Lake township, including Lake View town.....	1,521	1,209	1,355	Lafayette township, including Story City town.....	2,193	1,993	1,955
Wheeler township.....	593	631	767	Lincoln township, including Zeigler town.....	1,043	1,039	1,070
				Milford township.....	677	745	828
Scott County	73,952	60,000	51,558	Nevada township, including Nevada city.....	3,158	2,680	3,074
Allens Grove township, including Donahue				New Albany township, including Colo town.....	935	1,108	1,123
town and part of Dixon town.....	700	777	707	Palatine township, including Huxley and			
Blue Grass township, including Walcott town				Slater towns and parts of Kelley and Sheldahl			
and part of Blue Grass town.....	1,236	1,396	1,307	towns.....	1,803	1,819	1,662
Buffalo township, including Buffalo town and				Richland township.....	705	699	656
part of Blue Grass town.....	1,252	1,272	1,328	Sherman township.....	412	563	623
Butler township, including McCausland town.....	821	858	912	Union township, including Cambridge town.....	1,249	1,328	1,521
Cleona township.....	684	728	775	Warren township, including McCallsburg town.....	926	1,023	1,030
Davenport township, including part of Betten-				Washington township, including Ames city			
dorf town.....	3,170	3,637	2,620	and part of Kelley town.....	7,215	5,160	3,471
Davenport City township, ¹⁷ coextensive with							
Davenport city.....	56,727	43,028	35,254	Tama County	21,861	22,156	24,585
Hickory Grove township, including Maysville				Buckingham township.....	545	537	547
town.....	805	810	927	Carlton township, including part of Garwin			
Le Claire township, including Le Claire town.....	1,385	1,340	1,703	town.....	1,199	1,138	1,320
Liberty township, including New Liberty town				Carroll township.....	597	628	794
and part of Dixon town.....	916	926	979	Clark township, including Dysart town.....	1,441	1,392	1,462
Lincoln township.....	643	657	763	Columbia township, ¹⁸ exclusive of part of Sac			
Pleasant Valley township, including part of				and Fox Indian Reservation.....	612	611	711
Bettendorf town.....	1,225	874	808	Crystal township.....	575	611	695
Princeton township, including Princeton town.....	935	917	972	Geneseo township.....	517	547	521
Rockingham township, including Rockingham				Grant township.....	611	628	673
town.....	1,416	833	403	Highland township.....	539	621	629
Sheridan township, including Eldridge town.....	1,043	1,109	1,140	Howard township, ¹⁸ including part of Garwin			
Winfield township, including Long Grove town.....	904	838	830	town.....	559	666	763
				Indian Village township, ¹⁸ including Montour			
Shelby County	16,066	16,552	17,932	town but exclusive of part of Sac and Fox In-			
Cass township, including Portsmouth town.....	954	987	1,073	dian Reservation.....	961	1,000	1,269
Center township.....	586	620	740	Lincoln township, including Lincoln town.....	764	790	794
Clay township, including Elk Horn town.....	1,351	1,202	1,147	Onida township, including Clutier town.....	905	700	726
Douglas township, including Kirkman town.....	781	802	857	Otter Creek township.....	662	736	817
Fairview township.....	619	633	772	Perry township, including Traer town.....	1,738	1,888	2,074
Greeley township, including part of Irwin town.....	644	653	781	Richland township.....	534	607	742
Grova township.....	682	744	798	Salt Creek township, including Chelsen town.....	1,116	1,255	1,277
Harlan township, coextensive with Harlan city.....	2,831	2,570	2,422	Spring Creek township, including Gladbrook			
Jackson township.....	708	830	906	town.....	1,667	1,543	1,603
Jefferson township, including part of Irwin town.....	956	917	1,042	Tama township, ¹⁸ including Tama city but ex-			
Lincoln township.....	588	614	725	clusive of part of Sac and Fox Indian Reser-			
Monroe township.....	731	778	894	vation.....	2,688	2,378	2,782
Polk township.....	665	802	835	Toledo township, ¹⁸ including Toledo city but			
Shelby township, including Shelby and Tennant				exclusive of part of Sac and Fox Indian Reser-			
towns.....	927	1,339	1,443	vation.....	2,201	2,204	2,572
Union township, including Defiance town.....	1,136	1,110	1,209	York township, including Elberon and Vining			
Washington township, including Panama town.....	799	843	931	towns.....	1,090	1,177	1,429
Westphalia township, including Earling and				Sac and Fox Indian Reservation ¹⁸	340	289	385
Westphalia towns.....	1,017	1,108	1,357				
				Taylor County	15,514	16,312	18,784
Sioux County	26,458	25,248	23,337	Bedford township, including Bedford city.....	2,197	2,029	2,255
Buncombe township, including part of Ha-				Benton township.....	372	431	453
warden town.....	1,714	1,365	1,063	Clayton township.....	612	504	645
Capel township.....	809	888	749	Dallas township, including New Market town.....	1,510	1,558	1,724
Center township.....	677	667	570	Gay township.....	500	527	605
Eagle township.....	583	560	535	Grant township, including part of Clearfield			
East Orange township, including Granville				town.....	1,080	1,148	1,304
town.....	959	1,011	1,005	Grove township.....	610	604	776
Floyd township, including Hospers town.....	1,449	1,460	1,201	Holt township.....	605	675	784
Garfield township.....	645	587	425	Jackson township.....	403	473	562
Grant township, including Matlock town.....	742	731	726	Jefferson township, including Athelstan and			
Holland township, including Orange City town.....	2,709	2,394	2,428	Blockton towns.....	1,171	1,292	1,642
Lincoln township, including Hull town.....	1,748	1,623	1,453	Marshall township, including Conway and			
Logan township, including Chatsworth town				Sharpsburg towns.....	1,076	1,105	1,169
and part of Hawarden town.....	1,411	1,299	1,253	Mason township.....	691	638	807
Lynn township.....	687	677	703	Nodaway township.....	599	786	1,129
Nassau township, including Alton town.....	1,782	1,967	1,908	Platte township, including Lenox town.....	1,800	1,952	1,913
Plato township.....	750	785	680	Polk township.....	698	694	825
Reading township, including Ireton town.....	1,231	1,231	1,162	Ross township.....	628	658	679
Rock township, including Rock Valley town.....	2,100	1,786	1,645	Washington township, including Gravity town.....	1,153	1,238	1,512

¹⁷ SCOTT.—Part of Davenport township annexed to Davenport city since 1910.

¹⁸ TAMA.—Part of Howard township annexed to Garwin town since 1910. Sac and Fox Indian Reservation in Columbia, Indian Village, Tama, and Toledo townships, but independent thereof, no population reported in 1920 for those parts in Columbia and Indian Village townships.

NUMBER AND DISTRIBUTION.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Union County	17,268	16,616	19,928	Washington County—Continued.			
Creston township, coextensive with Creston city.....	8,034	6,924	7,752	Oregon township, including Ainsworth town.....	1,209	1,207	1,231
Dodge township.....	511	603	792	Seventy-six township.....	636	653	685
Douglas township, including Cromwell town.....	633	743	784	Washington township.....	1,253	1,214	1,066
Grant township, including part of Shannon City town.....	869	879	1,062	Washington City township, coextensive with Washington city.....	4,697	4,380	4,255
Highland township.....	528	527	803				
Jones township, including Thayer town.....	773	886	1,399	Wayne County	15,378	16,184	17,491
Lincoln township.....	690	626	771	Benton township.....	532	527	726
New Hope township, including Lorimer town.....	1,170	1,214	1,284	Clay township.....	529	580	696
Platte township, including Kent town.....	737	733	895	Clinton township.....	423	427	503
Pleasant township.....	555	552	738	Corydon township, including Corydon town.....	2,373	2,187	2,113
Sand Creek township, including Arispe town.....	685	710	767	Grand River township, including Lineville town and part of Clio town.....	1,414	1,186	1,405
Spaulding township.....	603	580	757	Howard township.....	236	389	577
Union township, including Afton town.....	1,525	1,639	2,134	Jackson township.....	655	876	980
				Jefferson township, including part of Clio town.....	525	602	823
Van Buren County	14,060	15,020	17,354	Monroe township.....	395	456	572
Bonaparte township, including Bonaparte town.....	967	991	1,380	Richman township, including Humeston town.....	1,718	1,511	1,573
Cedar township, including part of Stockport town.....	911	918	938	South Fork township, including Promise City town.....	802	850	904
Chequest township.....	621	752	797	Union township, including Millerton town.....	694	726	720
Des Moines township, including part of Cantril town.....	775	769	895	Walnut township, including Seymour town.....	2,245	2,950	2,430
Farmington township, including Farmington town.....	1,543	1,684	1,981	Warren township, including Allerton town.....	1,410	1,407	1,637
Harrisburg township.....	855	697	837	Washington township.....	700	763	894
Henry township.....	328	398	503	Wright township.....	672	747	938
Jackson township, including Milton town and part of Cantril town.....	2,050	2,128	2,142				
Lake Creek township, including part of Birmingham town.....	934	980	1,003	Webster County	37,611	34,629	31,767
Union township, including parts of Birmingham and Stockport towns.....	1,227	1,305	1,498	Badger township, including Badger town.....	920	890	911
Van Buren township, including Keosauqua town.....	1,700	1,935	2,241	Burnside township.....	552	681	659
Vernon township, including Mount Sterling town.....	605	755	861	Clay township.....	595	628	739
Village township.....	1,237	1,204	1,525	Colfax township, including part of Duncombe town.....	522	570	670
Washington township.....	507	504	693	Cooper township.....	985	1,265	803
				Dayton township, including Dayton town.....	1,719	1,678	1,814
Wapello County	37,937	37,743	35,426	Deer Creek township.....	583	574	603
Adams township, including Blakesburg town.....	1,036	1,114	1,155	Douglas township.....	570	643	663
Agency township, including Agency town.....	926	886	1,085	Elkhorn township.....	737	684	793
Cass township, including Chillicothe town.....	372	430	503	Fulton township, including Moorland town.....	641	682	789
Center township, including Ottumwa city.....	25,536	24,021	20,350	Gowrie township, including part of Gowrie town.....	1,309	1,318	1,261
Columbia township, including part of Eddyville town.....	1,361	1,508	1,768	Hardin township, including part of Stratford town.....	312	350	306
Competine township.....	861	813	836	Jackson township, including Clare town.....	700	839	992
Dahlonga township.....	385	411	466	Johnson township, including Barnum town.....	663	698	708
Greene township.....	657	689	822	Lost Grove township, including Harcourt town and part of Gowrie town.....	1,033	979	876
Highland township.....	842	899	1,015	Newark township, including Vincent town.....	702	688	829
Keokuk township.....	585	641	840	Otho township.....	941	1,096	946
Pleasant township.....	643	739	989	Pleasant Valley township.....	940	640	870
Polk township.....	874	709	916	Roland township, including Callender town.....	956	976	1,161
Richland township, including Kirkville town.....	894	1,086	1,709	Sumner township, including part of Lehigh town.....	805	972	828
Washington township, including Eldon city.....	2,965	2,897	2,972	Wahkonga township, coextensive with Fort Dodge city.....	19,347	15,543	12,162
				Washington township, including part of Duncombe town.....	1,229	1,262	1,302
Warren County	18,047	18,194	20,376	Webster township, including part of Lehigh town.....	636	644	722
Allen township, including Carlisle town.....	1,077	1,064	1,050	Yell township.....	274	329	360
Belmont township, including part of Milo town.....	1,204	1,227	1,468				
Greenfield township, including Spring Hill town.....	1,342	1,030	1,034	Winnebago County	13,489	11,914	12,725
Jackson township.....	708	723	887	Buffalo township, including Buffalo Center town.....	1,497	1,251	1,353
Jefferson township, including part of Bevington town.....	1,013	988	1,017	Center township, including Lake Mills town.....	2,288	1,843	2,299
Liberty township.....	719	787	1,005	Eden township.....	600	572	551
Lincoln township, including Ackworth town.....	1,313	1,670	1,955	Forest township, including Forest City and Leland towns.....	3,053	2,521	2,586
Linn township, including Norwalk town.....	1,150	1,189	1,250	Grant township.....	590	586	614
Otter township, including part of Milo town.....	618	684	848	King township, including Thompson town.....	1,084	1,053	935
Palmyra township.....	540	730	802	Lincoln township, including Rake town.....	771	636	623
Richland township, including Hartford town.....	761	800	1,042	Linden township.....	591	561	624
Squaw township.....	627	675	906	Logan township, including part of Searville town.....	637	553	569
Union township, including Sandyville town.....	703	683	783	Mount Valley township.....	931	952	1,049
Virginia township, including New Virginia town.....	990	1,034	1,010	Newton township.....	690	701	701
Washington township, coextensive with Indianola city.....	3,628	3,283	3,261	Norway township, including part of Searville town.....	757	685	816
White Oak township.....	485	471	601				
Whitebreast township, including Lacona town.....	1,184	1,256	1,401	Winneshiek County	22,091	21,729	23,731
				Bloomfield township, including Castalia town.....	955	939	1,038
Washington County	20,421	19,925	20,718	Bluffton township.....	607	632	686
Brighton township.....	500	528	706	Burr Oak township.....	700	661	825
Brighton City township, coextensive with Brighton city.....	1,014	776	807	Calmar township, including Calmar and Spillville towns.....	2,085	1,918	2,207
Cedar township.....	650	654	687	Canoe township.....	836	826	961
Clay township.....	634	682	639	Decorah township, including Decorah city.....	4,858	4,341	4,708
Crawford township, including Crawfordsville town.....	1,031	1,031	1,118	Frankville township.....	816	874	901
Dutch Creek township.....	686	712	817	Fremont township.....	557	619	671
English River township, including Kalona town.....	1,730	1,603	1,733	Glenwood township.....	863	871	1,023
Franklin township, including Westchester town.....	775	787	819	Hesper township.....	781	823	882
Highland township.....	680	636	702	Highland township.....	760	785	829
Iowa township, including Riverside town.....	1,458	1,474	1,603	Jackson township, including Jackson Junction town.....	623	638	737
Jackson township.....	672	671	748	Lincoln township, including Ridgeway town.....	935	959	1,053
Lime Creek township, including Wellman town.....	2,075	2,032	2,013	Madison township.....	770	754	802
Marion township, including part of Coppock town.....	835	880	1,039	Military township, including Ossian town.....	1,595	1,583	1,656

POPULATION—IOWA.

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

[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. II, Table 1, p. 585. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Winnebago County—Continued.				Worth County.....			
Orleans township.....	543	550	504	Barton township.....	635	607	699
Pleasant township.....	858	886	961	Bristol township, including Joice town.....	913	823	876
Springfield township.....	834	935	1,057	Brookfield township.....	721	698	757
Summer township.....	719	748	790	Danville township, including part of Hanlon-			
Washington township, including Fort Atkinson				town town.....	672	703	731
town.....	1,386	1,357	1,350	Deer Creek township.....	561	510	660
Woodbury County.....				Fertile township, including Fertile town and			
	92,171	87,616	54,610	part of Hanlontown town.....	1,055	895	982
Arlington township, including Moville town.....	1,462	1,161	1,109	Grove township, including Northwood town.....	1,983	1,670	1,747
Banner township, including Lawton town.....	889	772	644	Hartland township.....	587	594	659
Concord township.....	684	661	615	Kensett township, including Kensett town.....	815	855	1,009
Floyd township.....	799	776	650	Lincoln township, including Manly town.....	2,128	997	1,082
Grange township.....	410	367	493	Silver Lake township.....	609	653	662
Grant township.....	662	697	784	Union township, including Grafton town.....	951	940	1,023
Kedron township, including parts of Anthon				Wright County.....			
and Correctionville towns.....	1,331	1,200	1,215	Belmont township, including part of Belmont			
Lakeport township.....	351	351	380	town.....	805	775	785
Liberty township, including Salix town.....	1,161	1,201	1,414	Blaine township, including Galt town and part			
Liston township, including Danbury town.....	1,345	1,255	1,394	of Dows town.....	1,320	1,440	1,413
Little Sioux township, including Smithland				Boone township.....	544	504	554
town.....	1,021	969	1,206	Clarion township, coextensive with Clarion city.	2,826	2,095	1,475
Miller township, including part of Anthon town.	685	660	661	Dayton township.....	553	525	653
Morgan township.....	607	604	663	Eagle Grove township, including Eagle Grove			
Moville township.....	616	592	572	city and part of Goldfield city.....	4,004	3,923	4,129
Oto township, including Oto town.....	877	966	1,099	Grant township.....	484	484	474
Reck township, including Cushing town and				Iowa township, including Rowan town.....	874	878	787
part of Correctionville town.....	1,272	1,144	1,296	Lake township.....	613	586	646
Rutland township, including Pierson town.....	1,069	941	1,048	Liberty township, including part of Goldfield			
Sioux City.....	71,227	47,828	33,111	city.....	1,337	1,230	1,335
Sloan township, including Sloan town.....	1,125	973	1,232	Lincoln township.....	578	590	679
Union township, including part of Correction-				Norway township.....	738	744	756
ville town.....	1,195	1,046	1,064	Pleasant township, including part of Belmont			
West Fork township.....	753	762	825	town.....	2,279	1,716	1,807
Willow township, including Hornick town.....	918	875	984	Troy township.....	617	554	687
Wolf Creek township.....	641	805	661	Vernon township.....	605	556	612
Woodbury township, including Sergeant Bluff				Wall Lake township.....	530	517	512
town.....	1,191	1,220	1,160	Woolstock township, including Woolstock town.	651	864	923

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. Places which in 1910 were incorporated but, through surrender of charter or for other reasons, have no corporate existence in 1920 are not presented in this table.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Ackley town ¹	Franklin.....	1,529	1,244	1,445	Armstrong town.....	Emmet.....	818	586	907
Ackworth town.....	Warren.....	95	119	134	Arnolds Park town.....	Dickinson.....	478	273	251
Adair town ²	Adair.....	952	900	879	Arthur town.....	Ida.....	290	215	162
Adel town.....	Guthrie.....	1,455	1,289	1,213	Ashton town.....	Osceola.....	610	518	513
Afton town.....	Dallas.....	926	1,014	1,178	Aspinwall town.....	Crawford.....	125	.....	.....
Agency town.....	Union.....	429	322	408	Atalissa town.....	Muscatine.....	198	220	.....
Ainsworth town.....	Wapello.....	391	408	404	Athelstan town.....	Taylor.....	150	148	255
Akron town.....	Washington.....	1,324	1,130	1,029	Atkins town.....	Benton.....	202	.....	.....
Albert City town.....	Plymouth.....	567	261	.....	Atlantic city.....	Cass.....	5,329	4,500	5,046
Albia city.....	Buena Vista.....	5,067	4,969	2,889	Auburn town.....	Sac.....	406	399	293
Albion town.....	Monroe.....	392	457	440	Audubon town.....	Audubon.....	2,108	1,928	1,866
Alburnett town.....	Marshall.....	201	.....	.....	Aurelia town.....	Cherokee.....	708	625	621
Alden town.....	Linn.....	840	690	709	Aurora town.....	Buchanan.....	284	287	331
Alexander town.....	Hardin.....	315	262	.....	Avoca town.....	Pottawattamie.....	1,482	1,520	1,627
Algona city.....	Franklin.....	8,724	2,908	2,911	Ayrshire town.....	Palo Alto.....	361	337	329
Alherton town.....	Kossuth.....	954	862	950	Badger town.....	Webster.....	244	212	240
Allison town.....	Wayne.....	520	495	463	Bagley town.....	Guthrie.....	505	488	355
Alta town.....	Butler.....	1,290	959	861	Bailey town.....	Mitchell.....	209	226	.....
Alta Vista town.....	Buena Vista.....	355	356	170	Baldwin town.....	Jackson.....	232	229	254
Alton town.....	Chickasaw.....	1,007	1,046	1,009	Bancroft town.....	Kossuth.....	902	830	839
Altoona town.....	Sioux.....	502	438	328	Barnes City town ³	Mahaska.....	473	307	274
Alvord town.....	Polk.....	359	283	249	Barnum town.....	Poweshiek.....	137	154	175
Ames city.....	Lyon.....	0,270	4,223	2,422	Bassett town.....	Webster.....	135	130	149
Anamosa city.....	Story.....	2,881	2,983	2,861	Batavia town.....	Chickasaw.....	560	560	533
Andover town.....	Jones.....	83	51	.....	Battle Creek town.....	Jefferson.....	785	527	542
Andrew town.....	Clinton.....	289	307	273	Baxter town.....	Ida.....	571	527	427
Ankeny town.....	Jackson.....	1,236	1,118	998	Bayard town.....	Jasper.....	727	539	494
Anthon town.....	Cass.....	648	445	.....	Beacon town.....	Guthrie.....	381	623	953
Applington town.....	Polk.....	783	635	437	Beaconsfield town.....	Mahaska.....	170	148	177
Arcadia town.....	Woodbury.....	598	448	427	Beaman town.....	Ringgold.....	214	220	266
Archer town.....	Butler.....	375	390	405	Beaver town.....	Grundy.....	132	.....	.....
Archon town.....	Carroll.....	194	351	.....	Bedford city.....	Boone.....	2,073	1,883	1,977
Arispe town.....	O'Brien.....	242	168	192	Belle Plaine city.....	Taylor.....	3,887	3,121	3,283
Arlington town.....	Crawford.....	156	155	.....	Bellevue town.....	Benton.....	1,603	1,776	1,607
	Union.....	729	678	893	Belmont town.....	Jackson.....	1,797	1,224	1,234
	Yayette.....					Wright.....			

¹ Part in Franklin County, 29 in 1920; part in Hardin County, 1,500 in 1920. Returned in 1910 and 1900 as located wholly in Hardin County.

² Part in Adair County, 934 in 1920; part in Guthrie County, 18 in 1920. Returned in 1910 and 1900 as located wholly in Adair County.

³ Part in Mahaska County: 420 in 1920; 285 in 1910; 255 in 1900. Part in Poweshiek County: 53 in 1920; 22 in 1910; 19 in 1900.

⁴ Not returned separately in 1910.

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

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote. Places which in 1910 were incorporated but, through surrender of charter or for other reasons, have no corporate existence in 1920 are not presented in this table.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Bennett town.	Cedar.	362	243	235	Clarion city.	Wright.	2,826	2,065	1,475
Benton town.	Ringgold.	246	191	192	Clarksburg town.	Butler.	1,003	895	849
Berkley town.	Boone.	68			Clayton town.	Clayton.	170	145	
Bernard town.	Dubuque.	105	95	113	Clear Lake city.	Cerro Gordo.	2,804	2,014	1,706
Bertram town.	Linn.	96			Clearfield town.	Ringgold.	605	625	698
Bettendorf town.	Scott.	2,178	909			Taylor.			
Bevington town.	Madison.	71			Cleghorn town.	Cherokee.	232	186	
Birmingham town.	Warren.				Clemmons town.	Marshall.	216	213	
Blairsburg town.	Van Buren.	539	572	622	Clermont town.	Fayette.	681	510	513
Blairtown town.	Hamilton.	272	241		Clinton city.	Clinton.	24,151	25,577	22,098
	Benton.	540	532	592	Clio town.	Wayne.	299	173	218
Blakesburg town.	Wapello.	380	344		Clover Hill town.	Polk.	469	(?)	
Blanchard town.	Page.	429	408	520	Clutier town.	Tama.	299	186	
Blencoe town.	Monona.	317	283	279	Coburg town.	Montgomery.	170	177	164
Blockton town.	Taylor.	524	648	704	Coggon town.	Linn.	553	471	498
Bloomfield city.	Davis.	2,084	2,028	2,105	Colin town.	Page.	603	591	574
Blue Grass town.	Scott.	205	223		Colesburg town.	Delaware.	337	271	274
Bode town.	Humboldt.	513	419	409	Colfax city.	Jasper.	2,504	2,524	2,053
Bonaparte town.	Van Buren.	656	507	898	College Springs town.	Page.	495	625	603
Bondurant town.	Polk.	274	287	297	Collins town.	Story.	570	521	540
Boone city.	Boone.	12,451	10,347	8,880	Colo town.	Story.	507	483	391
Bouton town.	Dallas.	187			Columbus city town.	Louisa.	346	875	388
Boxholm town.	Boone.	296			Columbus Junction town.	Louisa.	938	1,185	1,099
Boyden town.	Sioux.	419	304	336	Conesville town.	Muscatine.	307	347	
Braddyville town.	Page.	294	283	236	Conrad town.	Grundy.	560	549	483
Bradgate town.	Humboldt.	230	175	223	Conway town.	Taylor.	253	283	348
Brandon town.	Buchanan.	343	200		Coon Rapids town.	Carroll.	1,328	1,084	1,017
Brayton town.	Audubon.	244	137	141		Henry.			
Breda town.	Carroll.	419	374	395	Coppock town.	Jefferson.	104	105	
Bridgewater town.	Adair.	343	365			Washington.			
Brighton city.	Washington.	1,014	778	807	Coralville town.	Johnson.	150	151	125
Bristow town.	Butler.	299	291	317	Corning city.	Adams.	1,840	1,702	2,145
Britt town.	Hancock.	1,019	1,303	1,640	Correctionville town.	Woodbury.	1,016	893	935
Brooklyn town.	Poweshiek.	1,533	1,233	1,188	Corwith town.	Hancock.	635	455	651
Brunsville town.	Plymouth.	111			Corydon town.	Wayne.	1,867	1,609	1,477
Buck Grove town.	Crawford.	91	87		Cotter town.	Louisa.	100		
Buckeye town.	Hardin.	188	140		Coulter town.	Franklin.	277	198	
Buffalo town.	Scott.	487	456	372	Council Bluffs city.	Pottawattamie.	36,162	29,292	25,802
Buffalo Center town.	Winnebago.	894	753	875	Craig town.	Plymouth.	156		
Burlington city.	Des Moines.	24,057	24,324	23,201	Crawfordsville town.	Washington.	337	322	268
Burt town.	Kossuth.	626	495	504	Cresco city.	Howard.	3,195	2,668	2,806
Bussey town.	Marion.	535	609	550	Creston city.	Union.	8,034	6,924	7,752
Calamus town.	Clinton.	309	270	287	Cromwell town.	Union.	143	203	208
Callender town.	Webster.	370	321	399	Crystal Lake town.	Hancock.	191	143	246
Calmar town.	Winnebago.	1,039	849	1,003	Cumberland town.	Cass.	551	552	591
Calumet town.	O'Brien.	266	242	113	Curlew town.	Palo Alto.	204	191	
Camanche town.	Clinton.	610	629	713	Cushing town.	Woodbury.	236	254	237
Cambridge town.	Story.	739	996	667	Cylinder town.	Palo Alto.	174	129	118
Cantril town.	Van Buren.	440	445	356	Dakota town.	Humboldt.	439	391	362
Carbon town.	Adams.	254	240		Dallas town.	Marion.	643		
Carlisle town.	Warren.	640	592	553	Dallas Center town.	Dallas.	864	709	625
Carpenter town.	Mitchell.	144	121		Dana town.	Greene.	193	183	
Carroll city.	Carroll.	4,284	3,546	2,882	Danbury town.	Woodbury.	677	553	480
Carson town.	Pottawattamie.	692	640	632	Danville town.	Des Moines.	289	263	
Cascade town.	Dubuque.	1,249	1,268	1,266	Davenport city.	Scott.	50,727	48,028	35,254
	Jones.				Davis City town.	Decatur.	476	489	617
Casey town.	Adair.	908	735	568	Dawson town.	Dallas.	300	275	
	Guthrie.				Dayton town.	Webster.	836	717	753
Castalia town.	Winnebago.	272	230		De Soto town.	Dallas.	261	350	345
Castana town.	Monona.	389	364	355	Decatur City town.	Decatur.	300	311	367
Castle Hill town.	Black Hawk.	150			Decorah city.	Winnebago.	4,039	3,592	3,246
Cedar Falls city.	Black Hawk.	6,316	5,012	5,319	Dedham town.	Carroll.	360	355	374
Cedar Heights town.	Black Hawk.	341			Deep River town.	Poweshiek.	487	467	403
Cedar Rapids city.	Linn.	45,566	32,811	25,658	Defiance town.	Shelby.	389	411	387
Center Junction town.	Jones.	225	199	255	Delaware town.	Delaware.	194		
Center Point town.	Linn.	773	802	674	Dolhi town.	Delaware.	390	375	
Centerville city.	Appanoose.	8,486	6,936	5,256	Delmar town.	Clinton.	527	548	592
Central City town.	Linn.	688	558	623	Deloit town.	Crawford.	260	208	
Centrallia town.	Dubuque.	267			Delta town.	Keokuk.	688	728	601
Chariton city.	Lucas.	5,175	3,794	3,989	Denison city.	Crawford.	3,581	3,133	2,771
Charles City.	Floyd.	7,350	6,802	4,227	Denver town.	Bremer.	462	224	102
Charlotte town.	Clinton.	484	356		Derby town.	Lucas.	334	326	
Charter Oak town.	Crawford.	750	734	772	Des Moines city.	Polk.	126,468	86,398	62,139
Chatsworth town.	Sioux.	150	131		Dewitt city.	Clinton.	1,849	1,634	1,383
Chelsea town.	Tama.	557	507	419	Dexter town.	Dallas.	790	767	795
Cherokee city.	Cherokee.	5,824	4,884	3,855	Diagonal town.	Ringgold.	509	509	383
Chester town.	Howard.	237	206		Dickens town.	Clay.	337	255	
Chillicothe town.	Wapello.	146	181	216	Dike town.	Grundy.	453		
Churdan town.	Greene.	763	667	626	Dixon town.	Scott.	197	198	
Cincinnati town.	Appanoose.	1,301	1,355	1,212	Dolliver town.	Emmet.	171	107	
Clare town.	Webster.	259	299	374	Donahue town.	Scott.	101	64	
Clarence town.	Cedar.	693	662	675	Donnellson town.	Lee.	456	337	270
Clarinda city.	Page.	4,511	3,832	3,276	Doon town.	Lyon.	576	581	545

¹ Part in Madison County, 56, in 1920; part in Warren County, 15, in 1920.

² See county footnote, Table 2.

³ Part in Dubuque County: 1,066 in 1920; 1,116 in 1910; 1,118 in 1900. Part in Jones County: 183 in 1920; 152 in 1910; 148 in 1900.

⁴ Part in Adair County: 194 in 1920; 106 in 1910. Part in Guthrie County: 744 in 1920; 629 in 1910. Returned in 1900 as located wholly in Guthrie County.

⁵ Incorporated as a city since 1910.

⁶ Part in Ringgold County: 19 in 1920; 6 in 1910. Part in Taylor County: 646 in 1920; 619 in 1910. Returned in 1900 as located wholly in Taylor County.

⁷ Not returned separately in 1910.

⁸ Part in Henry County: 75 in 1920; 76 in 1910. Part in Jefferson County: 12 in 1920; 7 in 1910. Part in Washington County: 17 in 1920; 22 in 1910.

POPULATION—IOWA.

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

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote. Places which in 1910 were incorporated but, through surrender of charter or for other reasons, have no corporate existence in 1920 are not presented in this table.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Dougherty town.....	Cerro Gordo.....	200	171	.....	Garwin town *.....	Tama.....	587	425	470
Dow City town.....	Crawford.....	572	462	462	Geneva town.....	Franklin.....	244	199	.....
Dows town ¹	Franklin.....	1,145	892	818	George town.....	Lyon.....	788	606	394
Drakesville town.....	Wright.....	261	249	238	Gilbert town.....	Story.....	221	235	.....
Dubuque city.....	Davis.....	39,141	38,494	36,297	Gilbertville town.....	Black Hawk.....	212	.....	.....
Dumont town.....	Dubuque.....	609	550	433	Gilman town.....	Marshall.....	490	430	465
Duncombe town.....	Webster.....	442	418	350	Gilmore City town ²	Humboldt.....	919	689	687
Dundee town.....	Delaware.....	195	.....	.....	Gladbrook town.....	Pocahontas.....	.....	.....	.....
Dunkerton town.....	Black Hawk.....	266	276	217	Glenwood city.....	Tama.....	961	869	842
Dunlap town.....	Harrison.....	1,455	1,155	1,355	Glenwood city.....	Mills.....	3,862	4,052	3,040
Durango town.....	Dubuque.....	37	.....	.....	Glidden town.....	Carroll.....	867	850	733
Durant town.....	Cedar.....	775	720	560	Goldfield city.....	Wright.....	749	618	628
Dyersville town ³	Delaware.....	1,933	1,511	1,323	Goodell town.....	Hancock.....	245	240	254
Dysart town.....	Dubuque.....	955	900	902	Goose Lake town.....	Clinton.....	97	110	.....
Eagle Grove city.....	Tama.....	4,433	3,387	3,557	Gowrie town.....	Webster.....	895	829	681
Earlham town.....	Wright.....	.....	.....	.....	Graettinger town.....	Palo Alto.....	779	556	388
Earling town.....	Madison.....	803	749	630	Graft town.....	Dubuque.....	281	.....	.....
Earlville town.....	Shelby.....	321	323	340	Grafton town.....	Worth.....	233	183	165
Early town.....	Delaware.....	619	552	618	Grand Junction town.....	Greene.....	1,010	1,012	1,113
Early town.....	Sac.....	568	500	579	Grand Mound town.....	Clinton.....	463	428	355
East Peru town (Peru P. O.).....	Madison.....	263	371	252	Grand River town.....	Decatur.....	425	333	326
Eddyville town ⁴	Mahaska.....	961	1,085	1,230	Grandview town.....	Louisa.....	841	374	.....
Eden town (Rhodes P. O.).....	Wapello.....	430	448	476	Granger town.....	Dallas.....	324	225	.....
Edgewood town ⁵	Marshall.....	617	555	505	Grant town.....	Montgomery.....	282	.....	.....
Elberon town.....	Clayton.....	349	336	344	Grant City town.....	Sac.....	95	162	249
Eldon city.....	Delaware.....	2,091	2,024	1,550	Granville town.....	Sioux.....	358	400	351
Eldora city.....	Tama.....	3,189	1,995	2,233	Gravity town.....	Taylor.....	464	475	549
Eldridge town.....	Wapello.....	234	217	207	Gray town.....	Audubon.....	196	148	180
Elgin town.....	Hardin.....	628	564	635	Greeley town.....	Delaware.....	410	383	488
Elk Horn town.....	Scott.....	589	.....	.....	Green Island town.....	Jackson.....	132	128	.....
Elkader town.....	Fayette.....	1,223	1,181	1,321	Greene town.....	Butler.....	1,375	1,150	1,192
Elkhart town.....	Shelby.....	196	132	.....	Greenfield town.....	Adair.....	1,707	1,379	1,300
Elkport town.....	Clayton.....	202	210	326	Greenville town.....	Clay.....	167	.....	.....
Elliott town.....	Montgomery.....	586	528	516	Grimes town.....	Polk.....	524	733	188
Ellston town.....	Ringgold.....	212	205	242	Grinnell city.....	Poweshiek.....	5,362	5,036	3,860
Ellsworth town.....	Hamilton.....	512	406	319	Griswold town.....	Cass.....	1,264	949	900
Elma town.....	Howard.....	874	807	976	Grundy Center town.....	Grundy.....	1,749	1,354	1,322
Ely town.....	Linn.....	174	161	.....	Gruver town.....	Emmet.....	118	.....	.....
Emerson town.....	Mills.....	475	478	502	Guernsey town.....	Poweshiek.....	167	143	.....
Emmetsburg city.....	Palo Alto.....	2,762	2,325	2,361	Guthrie Center town.....	Guthrie.....	1,727	1,337	1,183
Epworth town.....	Dubuque.....	468	520	549	Guttenburg town.....	Clayton.....	1,666	1,873	1,620
Essex town.....	Page.....	727	776	710	Halbur town.....	Carroll.....	156	147	.....
Estherville city.....	Emmet.....	4,699	3,404	3,237	Hamburg city.....	Fremont.....	2,017	1,817	2,079
Everly town.....	Clay.....	480	392	.....	Hamilton town.....	Marion.....	474	391	638
Exira town.....	Audubon.....	840	787	851	Hampton city.....	Franklin.....	2,992	2,617	2,727
Exline town.....	Appanoose.....	755	680	.....	Hancock town.....	Pottawattamie.....	276	250	276
Fairbank town ⁶	Buchanan.....	657	618	644	Hanlontown town.....	Worth.....	202	129	.....
Fairfield city.....	Fayette.....	5,948	4,970	4,689	Hansell town.....	Franklin.....	163	.....	.....
Farley town.....	Jefferson.....	651	676	513	Harcourt town.....	Webster.....	307	247	192
Farmersburg town.....	Dubuque.....	290	259	143	Hardy town.....	Humboldt.....	128	.....	.....
Farmington town.....	Clayton.....	1,086	1,165	1,332	Harlan city.....	Shelby.....	2,331	2,570	2,422
Farnhamville town.....	Van Buren.....	380	332	348	Harper town.....	Keokuk.....	247	232	269
Farragut town.....	Calhoun.....	494	431	514	Harpers Ferry town.....	Allamakee.....	328	207	.....
Fayette town.....	Fremont.....	1,085	1,112	1,315	Harris town.....	Osceola.....	359	239	217
Fenton town.....	Fayette.....	391	211	.....	Hartford town.....	Warren.....	218	106	.....
Ferguson town.....	Kossuth.....	207	127	.....	Hartley town.....	O'Brien.....	1,306	1,106	1,006
Fertile town.....	Marshall.....	223	207	.....	Hartwick town.....	Poweshiek.....	107	.....	.....
Flores town.....	Worth.....	252	.....	.....	Harvey town.....	Marion.....	422	340	.....
Floyd town.....	Davis.....	308	332	353	Hastings town.....	Mills.....	424	393	404
Fonda town.....	Floyd.....	1,136	978	1,180	Havelock town.....	Pocahontas.....	331	241	397
Fontanelle town.....	Pocahontas.....	869	789	853	Hawarden town.....	Sioux.....	2,491	2,107	1,810
Forest City town.....	Adair.....	2,145	1,691	1,758	Hawkeye town.....	Fayette.....	582	510	518
Fort Atkinson town.....	Winnebago.....	315	289	264	Hayesville town.....	Keokuk.....	124	.....	.....
Fort Des Moines town.....	Winneshiek.....	1,020	.....	.....	Hazelton town.....	Buchanan.....	517	444	500
Fort Dodge city.....	Polk.....	19,347	15,543	12,162	Hedrick town.....	Keokuk.....	901	978	1,035
Fort Madison city.....	Webster.....	12,060	8,900	9,278	Henderson town.....	Mills.....	232	240	244
Foster town.....	Lee.....	79	276	205	Hepburn town.....	Page.....	108	110	118
Fostoria town.....	Monroe.....	119	.....	.....	Hills town.....	Johnson.....	231	195	.....
Franklin town.....	Clay.....	119	138	210	Hillsboro town.....	Henry.....	318	.....	.....
Frazer town.....	Lee.....	391	537	.....	Hinton town.....	Plymouth.....	263	329	.....
Fredericksburg town.....	Boone.....	624	558	505	Holland town.....	Grundy.....	165	163	175
Frederika town.....	Chickasaw.....	210	149	170	Holstein town.....	Ida.....	1,248	936	870
Fremont town.....	Bremer.....	544	501	542	Holy Cross town.....	Dubuque.....	98	143	115
Galt town.....	Mahaska.....	134	.....	.....	Hopewell town.....	Clarke.....	102	103	145
Galva town.....	Wright.....	539	357	456	Hopkinton town.....	Delaware.....	769	797	767
Garber town.....	Ida.....	189	131	.....	Hornick town.....	Woodbury.....	296	245	284
Garden Grove town.....	Clayton.....	666	611	651	Hospers town.....	Sioux.....	570	581	415
Garnaville town.....	Decatur.....	314	342	.....	Hubbard town.....	Hardin.....	681	568	676
Garner town.....	Clayton.....	1,311	1,028	1,288	Hudson town.....	Black Hawk.....	408	372	359
Garrison town.....	Hancock.....	437	438	482	Hull town.....	Sioux.....	791	658	626
	Benton.....	.....	.....	.....	Humboldt town.....	Humboldt.....	2,232	1,809	1,474

¹ Part in Franklin County: 460 in 1920; 207 in 1910; 192 in 1900. Part in Wright County: 635 in 1920; 635 in 1910; 626 in 1900.

² Part in Delaware County, 81 in 1920; part in Dubuque County, 1,852 in 1920. Returned in 1910 and 1900 as located wholly in Dubuque County.

³ Part in Mahaska County: 159 in 1920; 207 in 1910; 174 in 1900. Part in Wapello County: 802 in 1920; 878 in 1910; 1,056 in 1900.

⁴ Part in Buchanan County: 295 in 1920; 297 in 1910; 340 in 1900. Part in Delaware County: 322 in 1920; 258 in 1910; 225 in 1900.

⁵ Part in Buchanan County, 607 in 1920; part in Fayette County, 50 in 1920. Returned in 1910 and 1900 as located wholly in Buchanan County.

⁶ See county footnote, Table 2.

⁷ Part in Humboldt County: 519 in 1920; 474 in 1910; 483 in 1900. Part in Pocahontas County: 400 in 1920; 215 in 1910; 204 in 1900.

NUMBER AND DISTRIBUTION.

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

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote. Places which in 1910 were incorporated but, through surrender of charter or for other reasons, have no corporate existence in 1920 are not presented in this table.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Hurleston town.	Wayne.	1,214	1,006	945	Linden town.	Dallas.	267	315	314
Hurstville town.	Jackson.	176			Lineville town.	Wayne.	707	600	690
Huxley town.	Story.	366	336		Linn Grove town.	Buena Vista.	433	(2)	
Ida Grove city.	Ida.	2,020	1,874	1,967	Lisbon town.	Linn.	803	846	956
Imogene town.	Fremont.	268	341	296	Liscomb town.	Marshall.	347	354	338
					Little Rock town.	Lyon.	573	471	399
Independence city.	Buchanan.	3,672	3,517	3,656	Little Sioux town.	Harrison.	436	390	427
Indianola city.	Warren.	3,628	3,283	3,261	Littleport town.	Clayton.	191	166	
Inwood town.	Lyon.	746	595	477	Livermore town.	Humboldt.	648	578	618
Ionia town.	Chickasaw.	280	298	306	Lockridge city.	Jefferson.	230		
Iowa City.	Johnson.	11,267	10,091	7,987	Logan town.	Harrison.	1,637	1,453	1,877
					Lohrville town.	Calhoun.	727	674	597
Iowa Falls city.	Hardin.	3,954	2,797	2,840	Lone Tree town.	Johnson.	673	782	600
Ireton town.	Sioux.	730	631	545	Lonerock town.	Kossuth.	198		
Irwin town.	Shelby.	537	278	295	Long Grove town.	Scott.	158		
Jackson Junction town.	Winneshiek.	130	160	171	Lorimer town.	Union.	678	645	587
Jamaica town.	Guthrie.	295	379		Lost Nation town.	Clinton.	537	523	
Janesville town.	Bremer.	261	269	311					
Jefferson city.	Greene.	3,416	2,477	2,601	Lovilia town.	Monroe.	958	552	
Jesup town.	Buchanan.	774	697	690	Low Moor town.	Clinton.	277	253	318
Jewell town.	Hamilton.	1,090	941	947	Lowden town.	Cedar.	655	584	544
Joice town.	Worth.	233			Luana town.	Clayton.	181		
					Lucas town.	Lucas.	614	666	1,132
Jolley town.	Calhoun.	300	250	266					
Kalona town.	Washington.	632	466	530	Luther town.	Boone.	145	130	
Kamarar town.	Hamilton.	256	262	223	Luverne town.	Humboldt.	610	501	534
Kanawha town.	Hancock.	659	398			Kossuth.			
Kellerton town.	Ringgold.	693	503	458	Luxemburg town.	Dubuque.	93		
					Luzerne town.	Benton.	180	160	169
Kelley town.	Story.	192	231	187	Lynnvile town.	Jasper.	461	370	347
Kellogg town.	Jasper.	603	610	653					
Kensett town.	Worth.	338	360	459					
Kent town.	Union.	183	158		Lytton town.	Calhoun.	278		
Kenwood Park town.	Linn.	702	376	283		Sac.			
					McCallsburg town.	Story.	261	309	
Kookuk city.	Lee.	14,423	14,008	14,641	McCausland town.	Scott.	110	106	
Keosauqua town.	Van Buren.	851	1,009	1,117	McClelland town.	Pottawattamie.	142	134	
Keota town.	Keokuk.	1,025	988	996	McGregor city.	Clayton.	1,289	1,259	1,498
Keoswick town.	Keokuk.	354							
Keystone town.	Benton.	558	412	406	McIntire town.	Mitchell.	514	487	427
					Macedonia town.	Pottawattamie.	352	357	295
Kimballtown town.	Audubon.	382	271		Macksburg town.	Madison.	228	197	235
Kingsley town.	Plymouth.	1,072	977	720	Madrid town.	Boone.	1,783	1,191	1,021
Kinross town.	Keokuk.	138	142	132	Magnolia town.	Harrison.	299	311	
Kirkman town.	Shelby.	204	180	203					
Kirkville town.	Wapello.	210	299	402	Malcom town.	Poweshiek.	413	377	404
					Mallard town.	Palo Alto.	451	331	292
Kiron town.	Crawford.	294	207	89	Maloy town.	Ringgold.	121	127	
Klemme town.	Hancock.	408	306	262	Malvern town.	Mills.	1,195	1,154	1,166
Knierim town.	Calhoun.	173	220		Manchester city.	Delaware.	3,111	2,768	2,887
Knowlton town.	Ringgold.	202	193	287					
Knoxville city.	Marion.	3,523	3,190	3,131	Manilla town.	Crawford.	1,142	875	773
					Manly town.	Worth.	1,470	1,464	1,569
La Motte town.	Jackson.	327	288	272	Manning town.	Carroll.	1,803	1,434	1,169
La Porte City town.	Black Hawk.	1,443	1,238	1,419	Manson town.	Calhoun.	1,409	1,236	1,424
Lacena town.	Warren.	502	517	496	Mapleton town.	Monona.	1,367	1,100	1,099
Ladora town.	Iowa.	840	260	239					
Lake City.	Calhoun.	2,110	2,043	2,703	Maquoketa city.	Jackson.	3,626	3,570	3,777
					Marathon town.	Buena Vista.	520	532	659
Lake Mills town.	Winneshiek.	1,529	1,214	1,293	Marble Rock town.	Floyd.	483	480	673
Lake Park town.	Dickinson.	789	552	541	Marcus town.	Cherokee.	1,061	896	718
Lake View town.	Sac.	838	514	581	Marengo city.	Iowa.	2,048	1,788	2,007
Lakota town.	Kossuth.	472	436	884					
Lamoni town.	Decatur.	1,787	1,541	1,540	Marion city.	Linn.	4,138	4,400	4,102
					Marne town.	Cass.	284	266	410
Lamont town.	Buchanan.	495	571	636	Marquette town.	Clayton.	923	588	616
Lanesboro town.	Carroll.	282	268		Marshalltown city.	Marshall.	15,731	13,374	11,544
Lansing city.	Allamakee.	1,447	1,542	1,438	Martelle town.	Jones.	166	178	168
Larchwood town.	Lyon.	441	434	450					
Larrabee town.	Cherokee.	206	158	125	Martinsburg town.	Keokuk.	278	285	332
					Marysville town.	Marion.	234	319	322
Latimer town.	Franklin.	359	378		Mason City.	Cerro Gordo.	20,065	11,230	6,746
Lattners town.	Dubuque.	87			Masonville town.	Delaware.	250	282	
Laurel town.	Marshall.	195	179		Massena town.	Cass.	500	480	475
Laurens town.	Pocahontas.	914	817	853					
Lawler town.	Chickasaw.	631	601	646	Matlock town.	Sioux.	94	118	94
					Maurice town.	Sioux.	329	290	280
Lawton town.	Woodbury.	243	138		Maxwell town.	Story.	811	754	810
Le Claire town.	Scott.	724	690	997	Maynard town.	Fayette.	387	382	495
Le Grand town.	Marshall.	320	338	408	Maysville town.	Scott.	85	55	
Le Mars city.	Plymouth.	4,683	4,157	4,146					
Le Roy town.	Decatur.	174	185		Mechanicsville town.	Cedar.	812	817	703
					Medapolis town.	Des Moines.	780	858	725
Ledyard town.	Kossuth.	246	222	257	Melbourne town.	Marshall.	481	423	356
Lehigh town.	Webster.	1,090	928	806	Melcher town.	Marion.	1,582		
Leighton town.	Mahaska.	130	(2)	215	Melrose town.	Monroe.	450	469	400
Leland town.	Winneshiek.	180	188						
Lenox town.	Taylor.	1,197	1,274	1,014	Melvin town.	Osceola.	282	195	
Leon town.	Decatur.	2,193	1,991	1,905	Menlo town.	Guthrie.	476	382	428
Lester town.	Lyon.	250	244	225	Meriden town.	Cherokee.	218	246	432
Lettis town.	Louisa.	417	433	387	Merrill town.	Plymouth.	633	520	389
Lewis town.	Cass.	607	603	613	Meservey town.	Cerro Gordo.	282	193	193
Libertyville town.	Jefferson.	321			Meyer town.	Mitchell.	99	387	
Lidderdale town.	Carroll.	163	114		Middletown town.	Des Moines.	112		
Lime Springs town.	Howard.	595	498	605	Miles city.	Jackson.	333	334	385
Lincoln town.	Tama.	140			Millford town.	Dickinson.	908	575	485
					Millersburg town.	Iowa.	210		

1 Name changed from Germania since 1910.

2 Not returned separately in 1910.

3 Part in Humboldt County: 114 in 1920; 117 in 1910; 128 in 1900. Part in Kossuth County: 496 in 1920; 384 in 1910; 406 in 1900.

4 Part in Calhoun County, 30 in 1920; part in Sac County, 248 in 1920.

5 See county footnote, Table 2.

6 Name changed from North McGregor since 1910.

POPULATION—IOWA.

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

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote. Places which in 1910 were incorporated but, through surrender of charter or for other reasons, have no corporate existence in 1920 are not presented in this table.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Millerton town.....	Wayne.....	159			Oto town.....	Woodbury.....	333	268	306
Milo town.....	Warren.....	560	519	585	Ottosen town.....	Humboldt.....	234	147	
Milton town.....	Van Buren.....	845	913	849	Ottumwa city.....	Wapello.....	23,003	22,012	18,107
Minburn town.....	Dallas.....	418	388	317	Oxford town.....	Johnson.....	580	614	604
Minden town.....	Pottawattamie.....	381	423	328	Oxford Junction town.....	Jones.....	807	822	780
Mingo town.....	Jasper.....	324	246		Oyens town.....	Plymouth.....	100	94	
Missouri Valley city.....	Harrison.....	3,985	3,187	4,010	Pacific Junction town.....	Mills.....	660	501	732
Mitchell town.....	Mitchell.....	195	231	245	Packwood town.....	Jefferson.....	294	264	284
Mitchellville town.....	Polk.....	752	869	708	Palmer town.....	Pocahontas.....	282	177	
Modale town.....	Harrison.....	381	387	383	Palo town.....	Linn.....	224	208	
Mondamin town.....	Harrison.....	508	420	384	Panama town.....	Shelby.....	220	232	221
Moneta town.....	O'Brien.....	127	44		Panora town.....	Guthrie.....	906	1,080	958
Moumouth town.....	Jackson.....	200	221	281	Parkersburg town.....	Butler.....	1,108	938	1,104
Monoua town.....	Clayton.....	1,049	792	674	Pawnee town.....	Iowa.....	325	309	318
Monroe town.....	Jasper.....	936	800	917	Paton town.....	Greene.....	414	358	328
Montezuma town.....	Poweshiek.....	1,273	1,172	1,210	Patterson town.....	Madison.....	136	147	163
Monticello city.....	Jones.....	2,257	2,043	2,104	Paulina town.....	O'Brien.....	987	796	617
Montour town.....	Tama.....	409	383	502	Pella city.....	Marion.....	3,338	3,021	2,623
Montrose town.....	Lee.....	549	708	748	Perry city.....	Dallas.....	5,642	4,630	3,938
Moorhead town.....	Monona.....	381	366	200	Persia town.....	Harrison.....	380	358	361
Moorland town.....	Webster.....	181	137		Peterson town.....	Clay.....	580	480	521
Moravia town.....	Appanoose.....	837	682	632	Pierson town.....	Woodbury.....	554	410	358
Morning Sun town.....	Louisa.....	751	897	948	Pilot Mound town.....	Boone.....	311	347	315
Morrison town.....	Grundy.....	207	173	176	Pioneer town.....	Humboldt.....	84	92	
Moulton town.....	Appanoose.....	1,397	1,233	1,420	Pisgah town.....	Harrison.....	421	212	
Mount Auburn town.....	Benton.....	249	228		Plainfield town.....	Bremer.....	303	288	320
Mount Ayr town.....	Ringgold.....	1,788	1,646	1,729	Plano town.....	Appanoose.....	272		
Mount Pleasant city.....	Henry.....	3,987	3,874	4,109	Pleasant Plain town.....	Jefferson.....	164	174	280
Mount Sterling town.....	Van Buren.....	179	232		Pleasanton town.....	Decatur.....	266	200	164
Mount Union town.....	Henry.....	225	195		Pleasantville town.....	Marion.....	859	691	738
Mount Vernon town.....	Linn.....	1,466	1,532	1,629	Plover town.....	Pocahontas.....	246		
Moville town.....	Woodbury.....	878	552	507	Plymouth town.....	Cerro Gordo.....	306	358	
Murray town.....	Clarke.....	847	796	949	Pocahontas town.....	Pocahontas.....	1,302	987	625
Muscataine city.....	Muscataine.....	16,065	10,178	14,073	Polk City town.....	Polk.....	277	310	438
Mystic town.....	Appanoose.....	2,798	2,668	1,788	Pomeroy town.....	Calhoun.....	874	815	910
Nashua town.....	Chickasaw.....	1,317	1,102	1,268	Popejoy town.....	Franklin.....	204	200	
Nemaha town.....	Sac.....	169			Portsmouth town.....	Shelby.....	280	347	316
Neola town.....	Pottawattamie.....	806	626		Postville town.....	Alamakee.....	1,059	952	984
Nevada city.....	Story.....	2,668	2,138	2,472	Prairie City town.....	Jasper.....	789	764	808
New Albin town.....	Alamakee.....	683	588	543	Prairieburg town.....	Linn.....	176	187	
New Hampton city.....	Chickasaw.....	2,539	2,275	2,339	Prescott town.....	Adams.....	429	426	446
New Hartford town.....	Butler.....	454	482	570	Preston town.....	Jackson.....	648	642	608
New Liberty town.....	Scott.....	116	93		Pringhar town.....	O'Brien.....	972	738	814
New London town.....	Henry.....	1,144	1,144	1,068	Princeton town.....	Scott.....	414	379	456
New Market town.....	Taylor.....	745	673	600	Promise City town.....	Wayne.....	267	274	
New Providence town.....	Hardin.....	255	240	268	Protivin town.....	Howard.....	201	169	136
New Sharon town.....	Mahaska.....	1,084	1,122	1,262	Pulaski town.....	Davis.....	419	382	302
New Vienna town.....	Dubuque.....	241	183	245	Quasqueton town.....	Buchanan.....	453	304	
New Virginia town.....	Warren.....	424	396		Quincy town.....	Cherokee.....	363	268	
Newell town.....	Buena Vista.....	809	728	762	Radcliffe town.....	Adams.....	50	70	106
Newhall town.....	Benton.....	283			Rake town.....	Hardin.....	708	660	645
Newton city.....	Jasper.....	6,627	4,616	3,682	Ralston town.....	Winnebago.....	254	163	
Nichols town.....	Muscataine.....	387	396	398	Randall town.....	Carroll.....	200	175	
Nodaway town.....	Adams.....	340	323		Randolph town.....	Fayette.....	113	123	117
Nora Springs town.....	Floyd.....	1,055	985	1,209	Rathbun town.....	Fremont.....	404	304	373
North Buena Vista town.....	Clayton.....	144	102		Readlyn town.....	Appanoose.....	630	382	270
North English town.....	Iowa.....	933	848	683	Reasner town.....	Bremer.....	403	227	
North Liberty town.....	Johnson.....	171			Red Oak city.....	Jasper.....	226		
North Washington town.....	Chickasaw.....	124	132		Redding town.....	Montgomery.....	5,578	4,830	4,355
Northboro town.....	Paga.....	228	197		Reinbeck town.....	Ringgold.....	289	269	311
Northwood town.....	Worth.....	1,597	1,264	1,271	Reinbeck town.....	Dallas.....	770	659	509
Norwalk town.....	Warren.....	381	315	287	Rensselaer town.....	Grundy.....	1,415	1,205	1,203
Norway town.....	Benton.....	463	470	533	Rensselaer town.....	Buena Vista.....	270	128	
Numa town.....	Appanoose.....	602	650		Rensselaer town.....	Plymouth.....	1,144	1,076	835
Oakland town.....	Pottawattamie.....	1,188	1,105	913	Rensselaer town.....	Humboldt.....	501	372	350
Oakville town.....	Louisa.....	466	389		Riceville town.....	Howard.....	960	844	804
Ocheyedan town.....	Osceola.....	686	595	599	Richland town.....	Mitchell.....	689	613	534
Odebolt town.....	Sac.....	1,445	1,283	1,432	Ricketts town.....	Kookuk.....	161	102	
Oelwein city.....	Fayette.....	7,455	6,028	5,142	Ridgeway town.....	Crawford.....	349	354	371
Ogden town.....	Boone.....	1,461	1,268	998	Rinard town.....	Calhoun.....	160		
Olds town.....	Henry.....	186	165		Ringsted town.....	Emmet.....	599	313	
Olin town.....	Jones.....	718	659	692	Rippey town.....	Greene.....	409	407	395
Olio town.....	Kookuk.....	385	280	238	Riverside town.....	Washington.....	667	652	698
Onawa town.....	Monona.....	2,256	2,026	1,933	Riverton town.....	Fremont.....	568	583	687
Onida town.....	Dalaware.....	127			Robins town.....	Linn.....	110		
Onslow town.....	Jones.....	218	207	263	Rock Falls town.....	Cerro Gordo.....	85	87	124
Orange City town.....	Sionx.....	1,032	1,374	1,457	Rock Rapids town.....	Lyon.....	2,172	2,005	1,786
Orchard town.....	Mitchell.....	124			Rock Valley town.....	Sioux.....	1,347	1,198	1,054
Orient town.....	Adair.....	560	373	359	Rockford town.....	Floyd.....	1,031	916	1,030
Orleans town.....	Dickinson.....	123	105	92	Rockingham town.....	Scott.....	1,099		
Osage city.....	Mitchell.....	2,878	2,445	2,734	Rockwell town.....	Cerro Gordo.....	800	700	830
Oseola city.....	Clarke.....	2,684	2,416	2,505	Rockwell City town.....	Calhoun.....	2,039	1,528	1,222
Oskalocosa city.....	Mahaska.....	9,427	9,466	9,212	Rodman town.....	Palo Alto.....	158	131	147
Ossian town.....	Winnebago.....	858	749	670	Rodney town.....	Monona.....	176	163	173
Osterdock town.....	Clayton.....	103	97		Roland town.....	Story.....	829	641	557

1 Part in Howard County: 384 in 1920; 353 in 1910; 349 in 1900. Part in Mitchell County: 576 in 1920; 491 in 1910; 455 in 1900.

NUMBER AND DISTRIBUTION.

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

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote. Places which in 1910 were incorporated but, through surrender of charter or for other reasons, have no corporate existence in 1920 are not presented in this table.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Rolfe town.....	Pocahontas.....	1,031	954	994	Strawberry Point town.....	Clayton.....	1,101	1,052	1,012
Rome town.....	Henry.....	168	155	255	Struble town.....	Plymouth.....	129	327	172
Rose Hill town.....	Mahaska.....	260	269	253	Stuart city.....	Adair.....	1,716	1,826	2,079
Rowan town.....	Wright.....	302	256	.....	Sully town.....	Guthrie.....	393	282	.....
Royal town.....	Clay.....	362	.....	.....	Summer town.....	Jasper.....	1,511	1,404	1,437
Rudd town.....	Floyd.....	487	296	381	Superior town.....	Bremer.....	200	154	187
Runnells town.....	Polk.....	369	428	.....	Sutherland town.....	Dickinson.....	876	664	722
Russell town.....	Lucas.....	633	612	636	Swaledale town.....	O'Brien.....	200	235	240
Ruthven town.....	Palo Alto.....	809	655	787	Swan town.....	Cerro Gordo.....	238	292	406
Rutland town.....	Humboldt.....	197	212	.....	Swena City town.....	Marion.....	691	402	322
Ryan town.....	Delaware.....	397	511	.....	Tabor town.....	Kossuth.....	.....	.....	.....
Sabula town.....	Jackson.....	865	918	1,029	Tama city.....	Fremont.....	1,186	909	934
Sac City.....	Sac.....	2,630	2,201	2,079	Templeton town.....	Mills.....	2,601	2,290	2,649
St. Ansgar town.....	Mitchell.....	844	747	698	Tennant town.....	Tama.....	373	278	321
St. Anthony town.....	Marshall.....	203	199	174	Terril town.....	Carroll.....	79	.....	.....
St. Charles town.....	Madison.....	430	399	412	Thayer town.....	Shelby.....	440	253	217
St. Lucas town.....	Payette.....	137	138	.....	Thompson town.....	Dickinson.....	260	198	394
St. Olaf town.....	Clayton.....	149	170	124	Thornburg town.....	Union.....	548	500	450
St. Paul town.....	Lee.....	67	62	65	Thor town.....	Winneshiek.....	285	271	274
Salem town.....	Henry.....	494	501	548	Thornburg town.....	Humboldt.....	197	233	267
Salix town.....	Woodbury.....	396	390	387	Thornburg town.....	Keokuk.....	317	271	299
Sanborn town.....	O'Brien.....	1,497	1,174	1,247	Thurman town.....	Cerro Gordo.....	341	336	400
Sandyville town.....	Warren.....	94	120	.....	Tiffin town.....	Fremont.....	178	170	.....
Seaville town.....	Winnebago.....	140	129	.....	Tingley town.....	Johnson.....	391	380	488
Schaller town.....	Sac.....	731	646	661	Tipton city.....	Ringgold.....	2,142	2,048	2,518
Schleswig town.....	Crawford.....	655	455	233	Tipton city.....	Cedar.....	418	278	224
Seranton town.....	Greene.....	843	845	983	Tipton city.....	Kossuth.....	.....	.....	.....
Searsboro town.....	Poweshiek.....	204	226	263	Toledo city.....	Tama.....	1,604	1,626	1,941
Sergeant Bluff town.....	Woodbury.....	548	525	.....	Toronto town.....	Clinton.....	139	100	.....
Seymour town.....	Wayne.....	1,746	2,290	1,703	Traer town.....	Tama.....	1,320	1,283	1,458
Shambaugh town.....	Page.....	260	245	.....	Treynor town.....	Pottawattamie.....	204	122	.....
Shannon City town.....	Ringgold.....	333	202	380	Tripoli town.....	Bremer.....	914	755	655
Sharpsburg town.....	Union.....	188	181	.....	Truesdale town.....	Buena Vista.....	113	.....	.....
Shelfield town.....	Taylor.....	1,106	824	688	Truro town.....	Madison.....	332	310	.....
Shelby town.....	Franklin.....	588	536	692	Turin town.....	Monona.....	158	154	.....
Sheldahl town.....	Shelby.....	175	202	179	Udell town.....	Appanoose.....	214	186	.....
Sheldon city.....	Boone.....	3,488	2,941	2,282	Underwood town.....	Pottawattamie.....	260	271	.....
Shell Rock town.....	Polk.....	815	741	839	Union town.....	Hardin.....	660	540	589
Shellsburg town.....	Story.....	590	527	511	University Park town.....	Mahaska.....	361	(4)	.....
Shenandoah city.....	O'Brien.....	5,255	4,976	3,573	Urbana town.....	Benton.....	477	306	323
Sherrill town.....	Butler.....	110	.....	.....	Urbana town.....	Polk.....	298	490	407
Sibley town.....	Page.....	1,803	1,330	1,280	Ute town.....	Monona.....	580	.....	.....
Sidney town.....	Dubuque.....	1,154	1,019	1,138	Vail town.....	Crawford.....	635	631	578
Sigourney city.....	Osceola.....	2,210	2,082	1,952	Valeria town.....	Jasper.....	70	.....	.....
Silver City town.....	Fremont.....	430	416	438	Valley Junction city.....	Polk.....	3,631	2,573	1,700
Sloux Center town.....	Keokuk.....	1,289	1,064	810	Van Horne town.....	Benton.....	524	444	484
Sloux City.....	Mills.....	71,227	47,828	33,111	Van Meter town.....	Dallas.....	398	386	407
Sloux Rapids town.....	Woodbury.....	1,030	868	1,005	Van Wert town.....	Decatur.....	463	461	306
Slater town.....	Buena Vista.....	616	473	428	Varina town.....	Pocahontas.....	235	183	.....
Sloan town.....	Story.....	608	547	643	Victor town.....	Iowa.....	802	640	612
Smithland town.....	Woodbury.....	321	334	435	Villisca city.....	Poweshiek.....	2,111	2,039	2,211
Soldier town.....	Woodbury.....	281	167	.....	Vincent town.....	Montgomery.....	182	215	163
Solon town.....	Monona.....	471	450	397	Vining town.....	Webster.....	153	.....	.....
Somers town.....	Johnson.....	175	169	.....	Vinton city.....	Tama.....	153	.....	.....
South English town.....	Calhoun.....	355	338	319	Volga town.....	Benton.....	3,381	3,336	3,499
Spencer city.....	Keokuk.....	4,599	3,005	3,095	Wadena town.....	Clayton.....	415	416	444
Spillville town.....	Clay.....	315	320	356	Walcott town.....	Fayette.....	318	253	170
Spirit Lake town.....	Winneshiek.....	1,701	1,162	1,219	Walker town.....	Scott.....	384	410	362
Spragueville town.....	Dickinson.....	102	.....	.....	Wall Lake town.....	Linn.....	464	517	505
Spring Hill town.....	Jackson.....	489	94	.....	Wall Lake town.....	Sac.....	737	501	659
Springbrook town.....	Warren.....	126	217	107	Wallingford town.....	Emmet.....	197	.....	.....
Springville town.....	Jackson.....	597	588	599	Walnut town.....	Pottawattamie.....	1,072	950	878
Stacyville town.....	Linn.....	513	407	490	Wapello city.....	Louisa.....	1,480	1,326	1,398
Stanhope town.....	Mitchell.....	400	281	297	Washington city.....	Washington.....	4,697	4,380	4,255
Stanley town.....	Hamilton.....	163	.....	.....	Washita town.....	Cherokee.....	508	410	431
Stanton town.....	Buchanan.....	749	653	404	Waterloo city.....	Black Hawk.....	36,230	26,093	12,580
Stanwood town.....	Montgomery.....	556	511	415	Waterville town.....	Allamakee.....	183	.....	.....
State Center town.....	Cedar.....	975	898	1,008	Waucoma town.....	Fayette.....	457	433	540
Steamboat Rock town.....	Marshall.....	399	378	410	Waukegan town.....	Dallas.....	375	340	292
Stockport town.....	Hardin.....	385	266	.....	Waukon city.....	Allamakee.....	2,359	2,025	2,153
Stockton town.....	Van Buren.....	128	138	.....	Waverly city.....	Bremer.....	3,362	3,205	3,177
Storm Lake city.....	Muscatine.....	3,658	2,428	2,169	Wayland town.....	Henry.....	637	550	394
Story City town.....	Buena Vista.....	1,591	1,387	1,197	Webb town.....	Clay.....	219	180	.....
Stout town.....	Story.....	162	(4)	.....	Webster City.....	Hamilton.....	5,657	5,208	4,613
Stratford town.....	Grundy.....	694	554	458	Webster town.....	Keokuk.....	172	127	.....
	Hamilton.....	.....	.....	.....	Weldon town.....	Decatur.....	323	308	.....
	Webster.....	.....	.....	.....	Wellman town.....	Washington.....	875	724	654
		.....	.....	.....	Wellsburg town.....	Grundy.....	482	288	203

¹ See county footnote, Table 2.

² Part in Ringgold County: 34 in 1920; 29 in 1910; 56 in 1900. Part in Union County: 299 in 1920; 263 in 1910; 324 in 1900.

³ Part in Boone County: 23 in 1920; 35 in 1910. Part in Polk County: 88 in 1920; 93 in 1910; 98 in 1900. Part in Story County: 64 in 1920; 74 in 1910; 81 in 1900. Returned in 1900 as located wholly in Polk and Story Counties.

⁴ Not returned separately in 1910.

⁵ Part in Hamilton County, 655 in 1920; part in Webster County, 39 in 1920. Returned in 1910 and 1900 as located wholly in Hamilton County.

⁶ Part in Adair County: 453 in 1920; 553 in 1910; 618 in 1900. Part in Guthrie County: 1,253 in 1920; 1,273 in 1910; 1,461 in 1900.

⁷ Part in Fremont County, 1,066 in 1920; part in Mills County, 120 in 1920. Returned in 1910 and 1900 as located wholly in Fremont County.

⁸ Part in Iowa County: 634 in 1920; 539 in 1910; 493 in 1900. Part in Poweshiek County: 118 in 1920; 101 in 1910; 119 in 1900.

POPULATION—IOWA.

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

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote. Places which in 1910 were incorporated but, through surrender of charter or for other reasons, have no corporate existence in 1920 are not presented in this table.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Welton town.....	Clinton.....	69	69		Williamstown.....	Hamilton.....	495	457	500
Wesley town.....	Kossuth.....	444	457	730	Williamsburg town.....	Iowa.....	1,251	1,060	1,100
West Bend town.....	Palo Alto.....	969	679	538	Wilton town.....	Muscatine.....	1,178	1,157	1,233
West Branch town.....	Cedar.....	688	643	647	Winfield town.....	Henry.....	1,027	934	820
West Burlington town.....	Des Moines.....	1,212	1,206	1,044	Winterset city.....	Madison.....	2,906	2,818	3,039
West Liberty town.....	Muscatine.....	1,834	1,666	1,590	Winthrop town.....	Buchanan.....	507	529	618
West Mitchell town.....	Mitchell.....	117	126	207	Wolcott town.....	Cass.....	199	239	218
West Point town.....	Lee.....	591	570	654	Wooden town.....	Hancock.....	188	162	
West Union city.....	Fayette.....	1,777	1,652	1,935	Woodbine town.....	Harrison.....	1,463	1,538	1,255
Westchester town.....	Washington.....	225	222	209	Woodburn town.....	Clarke.....	375	420	467
Westfield town.....	Plymouth.....	203	143		Woodward town.....	Dallas.....	868	712	550
Westgate town.....	Fayette.....	255	232	260	Woolstock town.....	Wright.....	294	264	274
Westphalia town.....	Shelby.....	115			Worthington town.....	Dubuque.....	341	314	288
Westside town.....	Crawford.....	405	367	396	Wyoming town.....	Jones.....	690	733	794
What Cheer city.....	Keokuk.....	1,626	1,720	2,746	Yale town.....	Guthrie.....	276	273	
Wheatland town.....	Clinton.....	549	539	475	Yetter town.....	Calhoun.....	125	107	
Whiting town.....	Monona.....	925	576	572	Yorktown town.....	Page.....	193	228	170
Whittemore town.....	Kossuth.....	618	518	522	Zearing town.....	Story.....	471	461	388
Whitten town.....	Hardin.....	225	219	217	Zwingle town ¹	Dubuque.....	124	69	
Wiley town.....	Carroll.....	176				Jackson.....			

¹ Part in Dubuque County: 99 in 1920; 46 in 1910. Part in Jackson County: 25 in 1920; 23 in 1910.

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

WARD.	1920	WARD.	1920	WARD.	1920	WARD.	1920
Albia city.....	5,687	Cherokee city.....	5,824	Fort Dodge city.....	19,347	Oelwein city.....	7,455
Ward 1.....	1,384	Ward 1.....	3,202	(Not reported by wards.)		Ward 1.....	1,632
Ward 2.....	1,101	Ward 2.....	1,047			Ward 2.....	1,870
Ward 3.....	1,020	Ward 3.....	1,575	Fort Madison city.....	12,068	Ward 3.....	2,144
Ward 4.....	1,562			Ward 1.....	1,492	Ward 4.....	1,809
Ames city.....	6,270	Clinton city.....	24,151	Ward 2.....	1,324		
Ward 1.....	1,617	Ward 1.....	6,904	Ward 3.....	1,689	Oskaloosa city.....	9,427
Ward 2.....	1,603	Ward 2.....	2,527	Ward 4.....	2,543	Ward 1.....	1,018
Ward 3.....	1,376	Ward 3.....	2,588	Ward 5.....	2,238	Ward 2.....	2,133
Ward 4.....	1,614	Ward 4.....	4,547	Ward 6.....	2,780	Ward 3.....	2,676
Atlantic city.....	5,329	Ward 5.....	2,099	Grinnell city.....	5,362	Ward 4.....	2,013
Ward 1.....	1,023	Ward 6.....	2,956	Ward 1.....	1,641	Ward 5.....	1,590
Ward 2.....	1,060	Ward 7.....	2,530	Ward 2.....	1,435		
Ward 3.....	1,495	Council Bluffs city.....	36,162	Ward 3.....	1,037	Ottumwa city.....	23,003
Ward 4.....	1,761	Ward 1.....	6,540	Ward 4.....	1,249	Ward 1.....	3,552
Boone city.....	12,451	Ward 2.....	5,264	Iowa City.....	11,267	Ward 2.....	3,205
Ward 1.....	2,085	Ward 3.....	4,386	Ward 1.....	2,372	Ward 3.....	2,589
Ward 2.....	2,921	Ward 4.....	3,953	Ward 2.....	2,257	Ward 4.....	2,737
Ward 3.....	2,103	Ward 5.....	8,275	Ward 3.....	1,731	Ward 5.....	3,744
Ward 4.....	3,062	Ward 6.....	7,745	Ward 4.....	3,019	Ward 6.....	3,556
Ward 5.....	2,330	Creston city.....	8,034	Ward 5.....	1,898	Ward 7.....	3,020
Burlington city.....	24,057	Ward 1.....	1,651	Keokuk city.....	14,423	Perry city.....	5,642
Ward 1.....	3,425	Ward 2.....	1,979	Ward 1.....	1,701	Ward 1.....	1,788
Ward 2.....	3,373	Ward 3.....	1,408	Ward 2.....	2,716	Ward 2.....	2,340
Ward 3.....	2,832	Ward 4.....	1,113	Ward 3.....	2,256	Ward 3.....	1,714
Ward 4.....	3,063	Ward 5.....	1,883	Ward 4.....	2,087	Red Oak city.....	5,578
Ward 5.....	2,937	Davenport city.....	56,727	Ward 5.....	2,162	Ward 1.....	1,938
Ward 6.....	3,707	Ward 1.....	8,330	Ward 6.....	2,022	Ward 2.....	1,876
Ward 7.....	4,190	Ward 2.....	9,675	Ward 7.....	1,879	Ward 3.....	1,764
Cedar Falls city.....	6,318	Ward 3.....	8,730	Marshalltown city.....	15,731	Shenandoah city.....	5,255
Ward 1.....	1,624	Ward 4.....	9,124	Ward 1.....	3,579	Ward 1.....	1,500
Ward 2.....	1,692	Ward 5.....	11,207	Ward 2.....	3,958	Ward 2.....	1,717
Ward 3.....	1,644	Ward 6.....	9,661	Ward 3.....	3,928	Ward 3.....	2,038
Ward 4.....	1,356	Des Moines city.....	128,468	Ward 4.....	2,337		
Cedar Rapids city.....	45,566	Ward 1.....	31,522	Ward 5.....	1,929	Sioux City.....	71,227
(Not reported by wards.)		Ward 2.....	13,881	Mason City.....	20,065	(Not reported by wards.)	
Centerville city.....	8,486	Ward 3.....	20,558	Ward 1.....	4,844	Waterloo city.....	36,230
Ward 1.....	2,863	Ward 4.....	17,237	Ward 2.....	5,460	Ward 1.....	7,590
Ward 2.....	2,007	Ward 5.....	11,993	Ward 3.....	4,894	Ward 2.....	8,138
Ward 3.....	3,616	Ward 6.....	15,628	Ward 4.....	4,861	Ward 3.....	9,314
Chariton city.....	5,175	Ward 7.....	15,649	Muscatine city.....	16,068	Ward 4.....	11,188
Ward 1.....	1,682	Dubuque city.....	39,141	Ward 1.....	3,511	Webster City.....	5,657
Ward 2.....	1,781	Ward 1.....	5,627	Ward 2.....	3,364	Ward 1.....	962
Ward 3.....	1,712	Ward 2.....	5,087	Ward 3.....	3,364	Ward 2.....	1,060
Charles City.....	7,350	Ward 3.....	6,349	Ward 4.....	5,580	Ward 3.....	1,421
Ward 1.....	1,583	Ward 4.....	8,092	Ward 5.....	3,613	Ward 4.....	1,714
Ward 2.....	1,870	Fairfield city.....	5,948	Newton city.....	6,627	Ward 5.....	500
Ward 3.....	2,133	Ward 1.....	849	Ward 1.....	1,138		
Ward 4.....	1,764	Ward 2.....	1,783	Ward 2.....	1,932		
		Ward 3.....	2,171	Ward 3.....	1,797		
		Ward 4.....	1,145	Ward 4.....	1,760		

NUMBER AND DISTRIBUTION.

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

[A minus sign (—) denotes decrease.]

COUNTY.	POPULATION.						PER CENT URBAN IN TOTAL POPULATION.			PER CENT OF INCREASE IN—				Rural population per square mile: 1920.
	1920		1910		1900		1920	1910	1900	Urban population.		Rural population.		
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.				1910 to 1920.	1900 to 1910.	1910 to 1920.	1900 to 1910.	
Iowa.....	875,495	1,528,526	680,054	1,544,717	572,386	1,659,467	36.4	30.6	25.6	28.7	18.8	-1.0	-6.9	27.5
Appanoose.....	11,282	19,253	9,599	19,102	5,250	20,671	36.9	33.4	20.3	17.5	82.6	0.8	-7.0	37.5
Benton.....	7,268	16,812	6,457	16,699	6,782	18,395	30.2	27.9	26.9	12.6	-4.8	0.7	-9.2	23.6
Black Hawk.....	42,546	14,024	31,705	13,160	17,899	14,500	75.2	70.7	55.2	34.2	77.1	6.6	-9.2	24.8
Boone.....	12,451	17,441	10,347	17,279	8,880	19,320	41.7	37.5	31.5	20.3	16.5	0.9	-10.6	30.7
Bremer.....	3,352	13,376	3,205	12,638	3,177	13,128	20.0	20.2	19.5	4.6	0.9	5.8	-3.7	30.8
Buchanan.....	3,672	16,218	3,517	16,231	3,656	17,771	18.5	17.8	17.1	4.4	-3.8	-0.1	-8.7	28.6
Buena Vista.....	3,658	14,898	3,517	15,981	3,517	16,975	19.7	19.7	17.1	4.4	-3.8	-0.1	-8.7	28.6
Carroll.....	4,254	17,295	3,546	16,571	2,882	17,437	19.7	17.6	14.2	20.0	23.0	4.4	-5.0	30.3
Cass.....	5,329	14,092	4,560	14,487	5,046	16,228	27.4	23.9	23.7	16.9	-9.6	-2.7	-10.7	25.0
Cerro Gordo.....	22,869	11,806	11,230	13,781	6,746	13,926	66.0	44.9	32.6	103.6	66.5	-14.3	-1.0	20.8
Cherokee.....	5,824	11,936	4,884	11,857	3,885	12,705	32.8	29.2	23.3	19.2	26.4	0.7	-6.7	20.8
Chickasaw.....	2,539	12,892	2,539	12,892	2,539	12,892	16.5	16.5	16.5	16.5	16.5	-16.1	-9.8	25.9
Clarke.....	2,684	7,822	2,684	7,822	2,684	7,822	25.5	25.5	20.1	25.5	25.5	-27.1	8.1	18.3
Clay.....	4,599	11,061	3,005	9,761	3,095	10,306	29.4	23.5	23.1	53.0	-2.9	13.3	-5.3	19.6
Clinton.....	24,151	19,220	25,577	19,817	22,698	21,134	55.7	56.3	51.8	-5.6	12.7	-3.0	-6.2	27.8
Crawford.....	3,581	17,033	3,133	16,908	2,771	18,914	17.4	15.6	12.8	14.3	13.1	0.7	-10.6	23.8
Dallas.....	5,642	19,478	4,680	18,998	3,986	19,072	22.5	19.6	17.3	21.9	16.2	2.5	-0.4	33.1
Delaware.....	3,111	15,072	2,758	15,130	2,887	16,298	17.1	15.4	15.0	12.8	-4.5	-0.4	-7.2	26.4
Des Moines.....	24,057	11,463	24,324	11,821	23,201	12,788	67.7	67.3	64.5	-1.1	4.8	-3.0	-7.6	28.0
Dubuque.....	39,141	19,121	38,494	18,956	36,297	20,106	67.2	67.0	64.4	1.7	6.1	0.9	-5.7	31.8
Emmet.....	4,699	7,928	3,404	6,412	3,237	6,699	37.2	34.7	32.6	38.0	5.2	23.6	-4.3	20.2
Fayette.....	7,455	21,796	6,028	21,891	5,142	24,703	25.5	21.6	17.2	23.7	17.2	-0.4	-11.4	30.1
Floyd.....	7,850	11,510	5,892	11,227	4,227	13,527	39.0	34.4	23.8	24.7	39.4	2.5	-17.0	23.3
Franklin.....	2,992	12,815	2,617	12,163	2,727	12,269	18.9	17.7	18.2	14.3	-4.0	5.4	-0.9	22.2
Greene.....	3,416	13,051	3,416	13,051	2,601	15,219	20.7	20.7	14.6	20.7	20.7	-18.5	5.3	22.7
Hamilton.....	5,657	13,874	5,208	14,034	4,613	14,901	29.0	27.1	23.6	8.6	12.9	-1.1	-5.8	24.3
Hardin.....	7,143	16,194	2,797	18,124	2,840	19,954	30.6	13.4	12.5	155.4	-1.5	-10.6	-9.2	28.5
Harrison.....	3,985	20,603	3,187	19,975	4,010	21,587	16.3	13.8	15.7	25.0	-20.5	2.6	-7.5	29.7
Henry.....	3,987	14,311	3,874	14,766	4,109	15,913	21.8	20.8	20.5	2.9	-5.7	-3.1	-7.2	33.5
Howard.....	3,195	10,510	2,558	10,202	2,808	11,706	23.3	20.6	19.3	20.2	-5.3	2.4	-12.3	22.6
Jackson.....	3,626	16,305	3,570	17,688	3,777	19,838	18.2	16.8	16.0	1.6	-5.5	-7.8	-10.8	25.8
Jasper.....	9,131	18,724	7,140	19,894	3,682	23,204	32.8	26.4	13.6	27.9	93.9	-5.9	-14.6	25.6
Jefferson.....	5,948	10,492	4,970	10,981	4,689	12,748	36.2	31.2	26.9	19.7	6.0	-4.5	-13.9	24.3
Johnson.....	11,267	15,195	10,091	15,823	7,987	16,830	42.6	38.9	32.2	11.7	26.3	-4.0	-6.0	24.9
Jones.....	2,881	15,726	2,983	16,067	2,801	19,063	16.5	15.7	13.2	-3.4	3.2	-2.1	-15.7	27.6
Kossuth.....	3,724	21,358	2,908	19,063	2,911	19,809	14.8	13.2	12.8	28.1	-0.1	12.0	-3.8	22.0
Lee.....	26,489	13,187	22,908	13,794	23,919	15,800	66.8	62.4	60.2	16.6	-4.2	-4.4	-12.7	25.8
Linn.....	49,704	24,300	37,211	23,509	29,758	25,684	67.2	61.3	53.7	33.6	26.0	3.4	-8.3	34.3
Lucas.....	5,175	10,511	3,794	9,068	3,989	12,137	38.0	28.2	24.7	36.4	-4.9	8.7	-20.3	24.3
Madison.....	2,906	12,114	2,818	12,803	3,039	14,671	19.8	18.0	17.2	3.1	-7.3	-5.4	-12.7	21.5
Mahaska.....	9,427	16,843	9,466	20,394	9,212	25,061	35.9	31.7	26.9	-0.4	2.8	-17.4	-18.6	29.7
Marion.....	6,861	18,096	6,211	16,784	5,754	18,405	27.5	27.0	23.8	10.5	7.9	7.8	-8.8	32.1
Marshall.....	15,731	16,899	13,374	16,905	11,544	18,447	48.2	44.2	38.5	17.6	15.9	(1)	-8.4	29.5
Mills.....	3,862	11,590	4,052	11,759	3,640	13,724	25.0	25.0	18.1	-4.7	33.3	-1.7	-14.3	26.4
Mitchell.....	2,878	11,043	2,878	11,043	2,734	12,182	20.7	20.7	18.3	20.7	20.7	-17.8	10.3	23.9
Monroe.....	5,067	18,400	4,969	20,460	2,889	15,096	21.6	19.5	16.1	2.0	72.0	-10.1	35.5	42.6
Montgomery.....	5,578	11,470	4,830	11,774	4,355	13,448	32.7	20.1	24.5	15.5	10.9	-2.6	-12.4	27.1
Muscataine.....	16,068	12,974	16,173	13,327	14,073	14,169	55.3	54.8	49.8	-0.7	15.0	-2.6	-6.9	30.0
O'Brien.....	3,488	15,563	2,941	14,321	10,985	18,3	18.3	17.0	18.3	18.6	18.6	8.7	-15.7	27.4
Pago.....	9,766	14,371	8,808	15,194	6,849	17,338	40.5	36.7	28.3	10.9	28.6	-5.4	-12.4	27.1
Palo Alto.....	2,762	12,724	2,762	12,724	2,762	12,724	17.8	17.8	17.8	17.8	17.8	-8.1	-3.5	22.7
Plymouth.....	4,683	18,901	4,157	18,072	4,146	18,063	19.9	18.0	18.7	12.7	0.3	-0.4	5.0	22.1
Polk.....	130,099	23,930	88,941	21,497	82,139	20,485	84.5	80.5	75.2	46.3	43.1	11.3	4.9	41.1
Pottawattamie.....	36,162	25,388	29,292	26,540	25,802	28,534	58.8	52.5	47.5	23.5	13.5	-4.3	-7.0	27.0
Poweshiek.....	5,362	14,548	5,036	14,553	3,860	15,554	26.9	25.7	19.9	6.5	30.5	(1)	-6.4	25.1
Sac.....	2,630	14,870	16,555	17,639	17,639	17,639	15.0	15.0	15.0	15.0	15.0	-10.2	-6.1	25.9
Scott.....	56,727	17,225	43,028	16,972	35,254	16,304	70.8	71.7	68.4	31.8	22.1	1.5	4.1	38.4
Shelby.....	2,831	13,234	2,570	13,982	17,932	17,932	17.6	15.5	17.6	10.2	10.2	-5.3	-22.0	22.5
Story.....	8,938	17,247	4,223	19,860	23,159	23,159	34.1	17.5	17.5	111.7	111.7	-13.2	-14.2	30.4
Tama.....	2,601	19,260	2,601	19,260	2,649	21,936	11.9	11.9	10.8	11.9	11.9	-13.1	1.0	26.8
Union.....	8,034	9,234	6,924	9,692	7,762	12,176	46.5	41.7	38.9	16.0	-10.7	-4.7	-20.4	21.6
Wapello.....	23,003	14,934	22,012	15,731	18,197	17,229	60.6	58.3	51.4	4.5	21.0	-5.1	-8.7	34.9
Warren.....	3,628	14,419	3,283	14,911	3,261	17,115	20.1	18.0	18.0	10.5	0.7	-3.3	-12.9	25.3
Washington.....	4,697	15,724	4,380	15,545	4,255	16,463	23.0	22.0	20.5	7.2	2.9	1.2	-5.6	28.1
Webster.....	19,347	18,264	15,543	19,086	12,162	19,595	51.4	44.9	38.3	24.5	27.8	-4.3	-2.6	25.6
Winneshiek.....	4,039	18,052	3,592	18,137	3,246	20,485	18.3	16.5	13.7	12.4	10.7	-0.5	-11.5	26.3
Woodbury.....	71,227	20,944	47,828	19,788	33,111	21,499	77.3	70.7	60.6	48.9	44.4	5.8	-8.0	24.2
Wright.....	7,259	13,089	3,387	14,564	3,557	14,670	35.7	18.9	19.5	114.3	-4.8	-10.1	-0.7	22.8
All other counties ²		478,603		468,523	7,962	498,472			0.3			2.2	-6.0	29.1

¹ Decrease of less than one-tenth of 1 per cent.

² Comprises all counties in which there were no incorporated places having 2,500 inhabitants or more in 1920. These counties are Adair, Adams, Allamakee, Audubon, Butler, Calhoun, Cedar, Clayton, Davis, Decatur, Dickinson, Fremont, Grundy, Guthrie, Hancock, Humboldt, Ida, Iowa, Keokuk, Louisa, Lyon, Monona, Osceola, Pottawattamie, Ringgold, Sioux, Taylor, Van Buren, Wayne, Winnebago, and Worth.

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—IOWA.

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. ¹		
	1920	1910	1900	1920	1910	1900	Male.	Female.	Male.	Female.	Male.	Female.	1920	1910	1900
THE STATE.															
Total population.....	2,404,021	2,224,771	2,231,853	100.0	100.0	100.0	1,229,392	1,174,629	1,148,171	1,076,600	1,156,849	1,075,004	104.7	106.6	107.6
White.....	2,384,181	2,209,191	2,218,067	99.2	99.3	99.4	1,218,711	1,165,470	1,139,621	1,069,570	1,149,667	1,069,000	104.6	106.5	107.5
Negro.....	19,005	14,973	12,693	0.8	0.7	0.6	10,121	8,884	8,120	6,853	6,875	5,818	113.9	118.5	118.2
Indian.....	529	471	382	(2)	(2)	(2)	230	249	304	107	198	184	112.4	182.0	107.6
Chinese.....	235	97	104	(2)	(2)	(2)	218	17	93	4	102	2	.....	.....	.....
Japanese.....	29	30	7	(2)	(2)	(2)	23	6	30	6	7	.....	.....	.....	.....
All other.....	42	3	.....	(2)	(2)	(2)	39	3	3	.....	.....	.....	.....	.....	.....
Native white, total.....	2,158,534	1,935,707	1,912,885	89.8	87.0	85.7	1,091,640	1,066,888	982,192	953,515	978,784	934,101	102.3	103.0	104.8
Native parentage.....	1,528,553	1,303,526	1,261,068	63.6	58.6	56.5	775,407	753,146	668,009	639,517	647,757	613,311	103.0	103.8	105.6
Foreign parentage.....	376,710	395,541	419,123	15.7	17.8	18.8	189,693	187,017	200,440	195,101	213,437	205,586	101.4	102.7	103.8
Mixed parentage.....	253,271	236,040	232,694	10.5	10.6	10.4	129,540	126,725	117,843	118,797	115,590	115,104	99.9	99.2	102.2
Foreign-born white.....	225,647	273,484	305,782	9.4	12.3	13.7	127,065	88,582	157,429	116,055	170,883	134,899	128.9	135.7	126.7
URBAN POPULATION.															
Total.....	875,495	680,054	572,386	100.0	100.0	100.0	434,666	440,829	340,840	339,414	283,722	288,664	98.6	100.4	98.3
White.....	869,750	670,035	564,236	98.2	98.5	98.6	428,259	433,461	335,212	334,823	279,437	284,749	98.3	100.1	98.2
Negro.....	15,345	9,786	8,097	1.8	1.4	1.4	8,077	7,268	5,215	4,571	4,184	3,913	111.1	114.1	106.9
Indian, Chinese, Japanese, and all other.....	400	233	63	(2)	(2)	(2)	330	70	213	20	51	2	.....	.....	.....
Native white, total.....	769,731	579,682	481,344	87.9	85.2	84.1	376,703	393,028	284,523	295,159	236,395	244,949	95.8	96.4	96.5
Native parentage.....	552,725	395,577	315,311	63.1	58.2	55.1	274,170	278,105	197,604	197,973	158,897	158,414	98.6	99.8	99.0
Foreign parentage.....	182,705	110,631	106,033	15.2	17.2	22.0	62,613	70,152	55,134	61,497	79,498	80,535	80.3	89.7	91.0
Mixed parentage.....	84,691	67,474	82,892	9.7	9.9	14.5	30,920	44,771	31,785	35,689	43,092	39,800	122.5	127.8	108.3
Foreign-born white.....	90,019	90,363	82,892	10.3	13.3	14.5	49,556	40,463	50,689	39,664	43,092	39,800	122.5	127.8	108.3
RURAL POPULATION.															
Total.....	1,528,528	1,544,717	1,659,467	100.0	100.0	100.0	794,726	733,800	807,531	737,186	873,127	786,340	108.3	109.5	111.0
White.....	1,524,431	1,539,166	1,654,431	99.7	99.6	99.7	792,452	731,970	804,409	734,747	870,180	784,251	108.3	109.5	111.0
Negro.....	3,680	5,187	4,596	0.2	0.3	0.3	2,040	1,616	2,905	2,282	2,691	1,905	126.5	127.3	141.8
Indian, Chinese, Japanese, and all other.....	435	374	440	(2)	(2)	(2)	230	205	217	157	256	184	112.2	138.2	130.1
Native white, total.....	1,388,803	1,356,025	1,431,541	90.9	87.8	86.3	714,943	673,860	697,669	658,356	742,389	689,152	106.1	106.0	107.7
Native parentage.....	976,278	907,949	945,757	63.9	58.8	57.0	501,237	475,041	466,305	441,644	490,860	454,897	105.5	105.6	107.9
Foreign parentage.....	243,945	278,910	485,784	16.0	18.1	29.3	127,080	116,885	145,303	133,604	251,529	234,255	108.7	108.8	107.4
Mixed parentage.....	168,580	169,166	222,890	11.0	11.0	13.4	86,626	81,954	86,058	83,108	251,529	234,255	105.7	103.5	107.4
Foreign-born white.....	135,628	183,131	222,890	8.9	11.9	13.4	77,500	58,119	106,740	76,391	127,791	95,099	133.4	130.7	134.4

¹Ratio not shown where number of females is less than 100.²Less than one-tenth of 1 per cent.³Comprises 34 Filipinos, 3 Hawaiians, 3 Hindus, 1 Korean, and 1 Siamese.

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

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.						Foreign or mixed parentage.								
	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.				
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.	Number.	Per cent.	
THE STATE: 1920																		
5 to 20 years, inclusive.	724,452	515,616	71.2	542,050	397,807	73.4	186,516	109,110	65.5	10,789	5,281	48.9	4,887	3,286	67.2			
Male.....	394,089	256,938	70.6	272,276	198,056	72.7	83,802	54,580	65.1	5,486	2,642	48.2	2,408	1,591	66.1			
Female.....	360,363	258,678	71.8	269,774	199,751	74.0	82,714	54,530	65.9	5,303	2,639	49.8	2,479	1,695	68.4			
5 and 6 years.....	97,204	61,538	63.3	77,976	49,912	64.0	18,239	11,060	60.6	363	170	46.8	596	389	65.3			
7 to 13 years.....	325,918	309,744	95.0	250,731	238,772	95.2	69,238	65,682	94.7	3,714	3,267	88.0	2,154	2,046	95.0			
14 and 15 years.....	87,074	74,732	85.8	63,710	55,870	87.7	21,241	17,306	81.5	1,520	1,040	68.4	587	501	85.3			
16 and 17 years.....	87,718	45,078	51.4	62,363	34,464	55.2	22,878	9,831	43.0	1,830	527	28.8	593	240	40.5			
18 to 20 years.....	126,538	24,524	19.4	87,240	18,789	21.5	34,920	5,331	15.3	3,362	277	8.2	957	110	11.5			
URBAN POPULATION.																		
5 and 6 years.....	29,918	21,709	72.6	23,487	17,207	73.3	5,773	4,084	70.7	181	93	51.4	470	322	68.5			
7 to 13 years.....	100,773	96,250	95.5	77,030	73,763	95.8	20,866	19,364	95.1	1,682	1,500	89.2	1,681	1,610	95.8			
14 to 20 years.....	102,329	40,841	48.7	73,419	37,261	50.8	24,051	10,864	45.2	3,142	1,040	33.1	1,672	654	39.1			
RURAL POPULATION.																		
5 and 6 years.....	67,286	30,829	59.2	54,489	32,705	60.0	12,466	6,976	56.0	182	77	42.3	126	67	53.2			
7 to 13 years.....	225,145	213,494	94.8	173,701	165,009	95.0	48,872	46,218	94.6	2,032	1,767	87.0	473	436	92.2			
14 to 20 years.....	109,001	94,493	47.5	139,924	71,882	51.4	54,988	21,604	39.3	3,570	804	22.5	465	197	42.4			
THE STATE: 1910																		
5 to 20 years, inclusive.	721,392	487,453	67.6	475,672	334,900	70.4	224,797	143,808	64.0	16,611	8,074	36.6	4,161	2,605	62.6			
Male.....	384,908	244,790	67.1	239,779	167,612	69.9	113,065	72,626	64.2	9,919	3,267	32.9	2,050	1,237	60.2			
Female.....	350,484	242,663	68.1	235,893	167,288	70.9	111,732	71,182	63.7	6,692	2,807	41.9	2,105	1,368	65.0			
5 and 6 years.....	92,900	53,336	57.4	67,145	38,696	57.6	24,125	13,795	57.2	1,029	505	49.1	582	236	57.7			
7 to 13 years.....	312,845	291,643	93.2	213,491	198,977	93.2	92,885	89,997	93.7	4,678	4,024	86.0	1,745	1,612	92.4			
14 and 15 years.....	88,385	72,278	81.8	56,641	48,000	84.7	20,859	23,127	77.5	1,391	755	56.4	476	357	75.0			
16 and 17 years.....	90,305	45,618	50.5	66,110	31,711	56.5	31,464	13,311	42.3	2,221	400	18.0	458	186	38.1			
18 to 20 years.....	136,957	24,578	17.9	82,285	17,516	21.3	46,464	6,578	14.2	7,292	360	4.9	870	114	13.1			
URBAN POPULATION.																		
5 and 6 years.....	23,199	14,429	62.2	16,837	10,387	61.7	5,585	3,615	64.7	424	223	52.6	350	203	58.0			
7 to 13 years.....	79,028	74,144	93.8	54,449	51,099	93.8	21,809	20,550	94.2	1,732	1,530	88.3	1,038	965	93.0			
14 to 20 years.....	91,579	37,257	40.7	57,698	25,936	45.0	29,146	10,460	35.9	3,593	469	13.1	1,124	386	34.3			
RURAL POPULATION.																		
5 and 6 years.....	69,701	38,907	55.8	50,308	28,309	56.3	18,540	10,180	54.9	605	282	46.6	232	133	57.3			
7 to 13 years.....	233,817	217,499	93.0	159,042	147,878	93.0	71,076	66,447	93.5	2,946	2,494	84.7	707	647	91.6			
14 to 20 years.....	224,068	105,217	47.0	137,338	71,291	51.9	78,641	32,556	41.4	7,311	1,076	14.7	710	271	38.2			

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.		
				Native parentage.			Foreign or mixed parentage.								
	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
THE STATE.															
All ages: 1920.....	2,404,021	1,229,392	1,174,629	1,528,553	775,407	753,146	629,981	316,239	313,742	225,647	127,065	98,582	19,005	10,121	8,884
Under 5 years.....	250,887	127,474	123,413	208,258	105,921	102,335	40,632	20,562	20,070	379	187	192	1,550	774	776
Under 1 year.....	47,166	23,874	23,292	39,610	19,966	19,644	7,186	3,692	3,493	45	21	24	312	154	158
5 to 9 years.....	239,979	121,558	118,421	190,026	96,399	93,627	46,815	23,597	23,218	1,510	709	747	1,553	709	784
10 to 14 years.....	227,801	114,963	112,848	171,776	86,519	85,257	51,177	26,004	25,173	3,304	1,682	1,622	1,492	717	748
15 to 19 years.....	214,981	107,374	107,607	151,952	75,711	76,241	56,698	28,447	28,251	4,750	2,403	2,347	1,518	770	748
20 to 44 years.....	904,494	459,084	445,410	528,115	265,311	262,804	288,151	141,835	146,316	79,108	46,510	32,589	8,698	4,603	4,095
45 years and over.....	562,442	297,085	265,357	275,746	143,631	132,115	146,119	75,502	70,527	136,321	75,321	61,000	4,104	2,432	1,672
Age unknown.....	3,437	1,864	1,573	2,682	1,415	1,267	389	202	187	269	184	85	90	56	34
18 to 44 years.....	989,341	501,040	488,301	587,059	294,711	292,348	311,245	153,427	157,818	81,251	47,636	33,615	9,331	4,927	4,404
21 years and over.....	1,428,682	737,829	690,853	778,247	397,210	381,037	422,833	211,875	210,968	214,479	121,392	93,087	12,668	6,939	5,629
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.....	10.4	10.4	10.5	13.6	13.7	13.6	6.4	6.5	6.4	0.2	0.1	0.2	8.2	7.6	8.7
Under 1 year.....	2.0	1.9	2.0	2.6	2.6	2.6	1.1	1.2	1.1	(1)	(1)	(1)	1.6	1.5	1.8
5 to 9 years.....	10.0	9.9	10.1	12.4	12.4	12.4	7.4	7.5	7.4	0.7	0.6	0.8	8.2	7.6	8.8
10 to 14 years.....	9.5	9.4	9.6	11.2	11.2	11.3	8.1	8.2	8.0	1.5	1.3	1.6	7.9	7.1	8.7
15 to 19 years.....	8.9	8.7	9.2	9.9	9.8	10.1	9.0	9.0	9.0	2.1	1.9	2.4	8.0	7.6	8.4
20 to 44 years.....	37.6	37.3	37.9	34.5	34.3	34.8	45.7	44.9	46.6	35.1	36.6	33.1	45.8	45.5	46.1
45 years and over.....	23.4	24.2	22.6	18.0	18.5	17.5	23.2	23.9	22.5	60.4	59.3	61.9	21.6	24.0	18.8
18 to 44 years.....	41.2	40.8	41.6	38.4	38.0	38.8	49.4	48.5	50.3	36.0	37.5	34.1	49.1	48.7	49.6
21 years and over.....	59.4	60.0	58.8	50.9	51.2	50.6	67.1	67.0	67.2	95.1	95.5	94.4	60.1	63.6	63.4
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.....	10.6	10.4	10.8	13.7	13.6	13.8	8.7	8.7	8.6	0.4	0.4	0.5	8.3	7.6	9.1
Under 1 year.....	2.2	2.1	2.2	2.9	2.8	2.9	1.7	1.7	1.6	(1)	(1)	(1)	1.7	1.5	1.9
5 to 9 years.....	10.3	10.1	10.5	12.4	12.4	12.5	9.8	9.8	9.7	1.1	1.0	1.3	9.0	8.4	9.7
10 to 14 years.....	10.0	9.8	10.2	11.3	11.2	11.4	11.1	11.1	11.1	1.2	1.1	1.4	8.1	7.3	8.1
15 to 19 years.....	10.1	9.9	10.3	10.7	10.5	10.8	12.2	12.2	12.2	2.7	3.0	2.3	8.8	8.0	9.8
20 to 44 years.....	37.4	37.4	37.4	33.5	33.4	33.6	44.0	43.3	44.7	40.3	42.0	38.0	45.1	45.8	44.3
45 years and over.....	21.5	22.2	20.7	18.2	18.6	17.7	14.2	14.8	13.6	54.0	52.1	59.5	20.0	22.1	17.5
18 to 44 years.....	41.5	41.4	41.6	37.7	37.5	38.0	48.9	48.1	49.6	41.9	43.9	39.2	49.0	49.4	49.6
21 years and over.....	57.0	57.8	56.1	49.8	50.3	49.3	55.8	55.7	55.8	93.5	93.3	93.7	63.9	67.0	60.2
URBAN POPULATION.															
All ages: 1920.....	875,495	434,666	440,829	552,275	274,170	278,105	217,456	102,533	114,923	90,019	49,566	40,463	15,345	8,077	7,268
Under 5 years.....	76,668	38,871	37,797	62,201	31,568	30,633	12,998	6,596	6,430	217	101	110	1,233	627	606
Under 1 year.....	14,534	7,337	7,197	11,875	5,968	5,907	2,865	1,216	1,149	26	12	14	259	135	124
5 to 9 years.....	73,609	37,008	36,601	57,418	28,883	28,535	14,255	7,160	7,095	707	355	352	1,214	604	610
10 to 14 years.....	71,045	35,076	35,969	53,647	26,438	27,109	14,852	7,365	7,487	1,481	718	703	1,158	550	608
15 to 19 years.....	72,758	34,243	38,515	52,186	24,627	27,029	17,166	8,025	9,141	2,222	1,030	1,162	1,180	600	580
20 to 44 years.....	355,505	176,837	181,008	215,359	109,435	108,924	100,791	45,937	54,854	34,777	20,392	14,385	7,340	3,859	3,471
45 years and over.....	221,324	111,783	109,541	110,356	55,697	54,689	57,248	27,415	29,833	50,483	26,841	23,042	3,158	1,791	1,367
Age unknown.....	1,586	848	738	1,238	652	586	143	65	83	132	89	43	62	38	26
Per cent: 1920.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	8.8	8.9	8.6	11.3	11.5	11.0	6.0	6.4	5.6	0.2	0.2	0.3	8.0	7.8	8.3
Under 1 year.....	1.6	1.7	1.6	1.4	1.4	1.3	0.6	0.7	0.6	0.0	0.0	0.0	1.4	1.3	1.4
5 to 9 years.....	8.4	8.5	8.3	10.4	10.5	10.3	6.6	7.0	6.2	0.8	0.7	0.9	7.9	7.5	8.4
10 to 14 years.....	8.1	8.1	8.2	9.7	9.6	9.7	6.8	7.2	6.5	1.6	1.4	1.9	7.5	6.8	8.4
15 to 19 years.....	8.3	8.4	8.7	9.4	9.9	9.9	7.9	7.8	8.0	2.5	2.1	2.9	7.7	7.4	8.0
20 to 44 years.....	40.9	40.7	41.2	39.0	38.8	39.2	46.4	44.8	47.7	38.6	41.1	35.6	47.8	47.9	47.8
45 years and over.....	25.3	25.7	24.8	20.0	20.3	19.7	26.3	26.7	26.0	56.1	54.2	58.4	20.6	22.2	18.8
Per cent: 1910.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	8.6	8.7	8.6	11.2	11.3	11.1	7.2	7.7	6.8	0.5	0.5	0.6	7.3	6.5	8.1
5 to 9 years.....	8.4	8.4	8.4	10.3	10.4	10.3	7.8	8.2	7.4	1.3	1.2	1.4	8.3	8.1	8.6
10 to 14 years.....	8.4	8.2	8.6	9.7	9.5	9.8	9.2	9.4	9.0	1.3	1.2	1.4	7.4	6.8	8.2
15 to 19 years.....	9.6	9.1	10.1	10.4	9.8	10.9	11.3	11.2	11.4	2.6	2.7	2.5	8.1	6.9	9.5
20 to 44 years.....	41.9	42.0	41.8	38.7	39.0	38.3	47.6	46.0	49.1	43.7	46.1	40.6	47.7	48.9	46.2
45 years and over.....	22.8	23.3	22.4	19.4	19.6	19.3	16.8	17.4	16.3	50.3	47.9	53.3	20.4	21.9	18.7
RURAL POPULATION.															
All ages: 1920.....	1,528,526	794,726	733,800	976,278	501,237	475,041	412,525	213,706	198,819	135,628	77,509	58,119	3,680	2,044	1,616
Under 5 years.....	174,219	88,603	85,616	146,055	74,353	71,702	27,636	13,996	13,640	162	86	70	317	147	170
Under 1 year.....	32,632	16,537	16,095	27,735	14,023	13,707	4,320	2,470	2,344	10	9	10	53	19	34
5 to 9 years.....	160,370	84,550	81,820	132,608	67,616	65,092	32,560	16,437	16,123	809	414	395	389	165	174
10 to 14 years.....	156,756	79,877	76,879	118,229	60,081	58,143	36,325	18,639	17,686	1,823	964	859	334	107	167
15 to 19 years.....	142,223	73,131	69,092	99,790	51,184	48,612	30,532	20,422	19,110	2,528	1,343	1,185	338	170	168
20 to 44 years.....	545,989	282,247	263,742	312,758	159,376	153,380	187,390	95,398	91,462	44,331	26,127	18,204	1,355	734	624
45 years and over.....	341,118	185,302	155,816	165,390	87,964	77,426	88,871	48,177	40,694	85,888	45,480	37,588	946	641	305
Age unknown.....	1,851	1,018	835	1,444	763	681	241	137	104	187	95	42	28	20	8
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.....	11.4	11.1	11.7	15.0	14.8	15.1	6.7	6.5	6.9	0.1	0.1	0.1	8.7	7.2	10.5
Under 1 year.....	2.1	2.1	2.1	1.8	1.8	1.8	0.3	0.							

POPULATION—IOWA.

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

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.								
	Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.	
		Num-ber.	Per-cent.		Num-ber.	Per-cent.		Num-ber.	Per-cent.		Num-ber.	Per-cent.		Num-ber.	Per-cent.
THE STATE: 1920															
10 years and over.....	1,913,155	20,680	1.1	1,130,271	5,921	0.5	542,534	2,354	0.4	223,752	11,004	4.9	15,902	1,283	8.1
Male.....	980,300	11,353	1.2	573,087	3,744	0.7	272,080	1,352	0.5	126,109	5,487	4.4	8,578	705	8.2
Female.....	932,795	9,327	1.0	557,184	2,177	0.4	270,454	1,002	0.4	97,643	5,517	5.7	7,324	578	7.9
10 to 15 years.....	270,217	518	0.2	202,391	330	0.2	61,903	137	0.2	4,081	42	1.0	1,784	9	0.5
Male.....	136,380	299	0.2	102,037	194	0.2	31,413	70	0.2	2,035	23	1.1	857	6	0.7
Female.....	133,837	219	0.2	100,354	136	0.1	30,485	61	0.2	2,046	19	0.9	927	3	0.3
16 to 20 years.....	214,256	718	0.3	149,633	324	0.2	57,798	152	0.3	5,192	213	4.1	1,550	25	1.6
Male.....	106,151	446	0.4	73,840	203	0.3	28,787	91	0.3	2,682	125	4.7	782	18	2.3
Female.....	108,105	272	0.3	75,793	116	0.2	29,011	61	0.2	2,510	87	3.5	768	7	0.9
21 years and over.....	1,428,682	19,444	1.4	778,247	5,297	0.7	422,833	2,065	0.5	214,479	10,749	5.0	12,568	1,249	9.9
Male.....	737,829	10,608	1.4	397,210	3,342	0.8	211,875	1,185	0.6	121,392	5,338	4.4	6,939	681	9.8
Female.....	690,853	8,836	1.3	381,037	1,925	0.5	210,958	880	0.4	93,087	5,411	5.8	5,629	568	10.1
URBAN POPULATION.															
10 years and over.....	725,218	10,097	1.4	432,656	2,421	0.6	190,205	882	0.5	89,085	5,833	6.5	12,898	903	7.0
Male.....	358,787	5,415	1.5	213,719	1,471	0.7	88,807	462	0.5	49,100	2,980	6.1	6,846	463	6.8
Female.....	366,431	4,682	1.3	218,937	950	0.4	101,398	420	0.4	39,995	2,853	7.1	6,052	443	7.3
10 to 15 years.....	84,449	235	0.3	63,291	148	0.2	17,915	61	0.3	1,844	23	1.2	1,391	3	0.2
16 to 20 years.....	74,962	348	0.5	53,227	152	0.3	18,020	54	0.3	2,454	129	5.3	1,218	11	0.9
21 years and over.....	566,807	9,514	1.7	316,138	2,121	0.7	154,270	797	0.5	84,797	5,681	6.7	10,289	892	8.7
RURAL POPULATION.															
10 years and over.....	1,187,937	10,583	0.9	697,015	3,500	0.5	352,329	1,472	0.4	134,657	5,171	3.8	3,004	377	12.5
Male.....	621,573	5,938	1.0	359,368	2,273	0.6	183,273	890	0.5	77,009	2,507	3.3	1,732	242	14.0
Female.....	566,364	4,645	0.8	338,247	1,227	0.4	169,056	582	0.3	57,648	2,664	4.6	1,272	135	10.6
10 to 15 years.....	135,768	283	0.2	139,100	182	0.1	43,988	76	0.2	2,237	19	0.8	393	6	1.5
16 to 20 years.....	139,294	370	0.3	96,406	172	0.2	39,778	98	0.2	2,738	84	3.1	332	14	4.2
21 years and over.....	862,875	9,930	1.2	492,109	3,146	0.7	268,563	1,298	0.5	129,682	5,068	3.9	2,279	357	15.7
THE STATE: 1910															
10 years and over.....	1,760,836	22,889	1.7	902,435	8,391	0.9	515,722	3,150	0.6	289,246	16,894	6.3	12,380	1,272	10.3
Male.....	912,728	15,633	1.7	491,100	4,771	1.0	259,203	1,709	0.7	155,230	8,355	5.4	6,813	662	9.7
Female.....	848,108	14,256	1.7	411,335	3,620	0.8	256,519	1,441	0.6	134,016	8,539	7.5	5,567	610	11.0
10 to 15 years.....	265,708	694	0.3	175,030	408	0.2	85,114	174	0.2	4,067	81	2.0	1,455	21	1.4
Male.....	134,077	394	0.3	88,429	241	0.3	42,756	96	0.2	2,161	41	1.9	710	14	2.0
Female.....	131,631	300	0.2	86,601	167	0.2	42,358	78	0.2	1,906	40	2.1	745	7	0.9
16 to 20 years.....	227,262	1,491	0.7	138,395	485	0.4	77,928	293	0.4	9,513	670	7.0	1,358	30	2.2
Male.....	114,679	1,035	0.9	69,050	311	0.5	39,034	157	0.4	6,189	535	8.6	660	22	3.3
Female.....	112,283	456	0.4	69,345	174	0.3	38,894	136	0.3	3,324	135	4.1	698	8	1.1
21 years and over.....	1,267,316	27,704	2.2	649,010	7,498	1.2	352,680	2,683	0.8	255,666	16,143	6.3	9,567	1,221	12.8
Male.....	663,672	14,204	2.1	333,621	4,219	1.3	177,413	1,456	0.8	146,880	7,779	5.3	5,443	626	11.5
Female.....	603,644	13,500	2.2	315,389	3,279	1.0	175,267	1,227	0.7	108,786	8,364	7.7	4,124	595	14.4
URBAN POPULATION.															
10 years and over.....	564,111	10,303	1.8	310,436	2,414	0.8	156,512	916	0.6	88,683	5,979	6.7	8,258	876	10.6
Male.....	282,361	5,381	1.9	154,782	1,203	0.8	73,098	434	0.6	49,819	3,120	6.3	4,463	419	9.4
Female.....	281,750	4,922	1.7	155,654	1,211	0.7	83,414	482	0.6	38,864	2,859	7.4	3,805	457	12.0
10 to 15 years.....	68,584	359	0.5	45,792	220	0.5	20,532	89	0.4	1,400	34	2.4	860	16	1.9
16 to 20 years.....	68,047	683	1.0	42,342	238	0.6	21,694	108	0.5	3,156	319	10.1	837	10	1.2
21 years and over.....	427,480	9,261	2.2	222,302	1,956	0.9	114,286	719	0.6	84,127	5,626	6.7	6,561	850	13.0
RURAL POPULATION.															
10 years and over.....	1,196,175	19,586	1.6	651,999	5,977	0.9	359,210	2,234	0.6	180,563	10,915	6.0	4,122	396	9.6
Male.....	630,867	10,252	1.6	336,318	3,478	1.0	186,105	1,275	0.7	105,411	5,235	5.0	2,360	243	10.3
Female.....	565,808	9,334	1.6	315,681	2,499	0.8	173,105	959	0.6	75,152	5,680	7.6	1,762	153	8.7
10 to 15 years.....	197,124	335	0.2	129,238	188	0.1	64,582	85	0.1	2,667	47	1.8	595	5	0.8
16 to 20 years.....	159,215	803	0.5	96,053	247	0.3	56,234	185	0.3	6,357	351	5.5	521	20	3.8
21 years and over.....	839,836	18,443	2.2	426,708	5,542	1.3	238,394	1,964	0.8	171,539	10,517	6.1	3,006	371	12.3

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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.		Female: 1920		Male.		Female: 1920	Male.		Female: 1920
	1920	1910		1920	1910			1920	1910		1920	1910	
Total	737,829	663,672	690,853	100.0	100.0	100.0	Native white.....	609,085	511,034	501,905	82.6	77.0	85.7
White.....	730,477	657,914	685,082	99.0	99.1	99.2	Native parentage.....	397,210	333,621	387,037	53.8	50.3	55.2
Negro.....	6,939	5,443	5,629	0.9	0.8	0.8	Foreign parentage.....	142,285	127,213	130,282	19.3	19.2	20.2
Indian.....	173	205	133	(1)	(1)	(1)	Mixed parentage.....	69,590	50,200	71,138	8.4	7.6	10.3
Chinese.....	190	80	5	(1)	(1)	(1)	Foreign-born white.....	121,392	146,880	93,087	16.5	22.1	13.5
Japanese.....	20	27	2	(1)	(1)	(1)	Naturalized.....	81,160	90,573	69,111	11.4	13.6	10.0
All other.....	30	3	2	(1)	(1)	(1)	Having first papers...	11,109	6,654	781	1.5	1.0	0.1
							Alien.....	15,384	20,275	12,686	2.1	3.1	2.0
							Unknown.....	10,739	29,378	9,509	1.5	4.4	1.4

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

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

COUNTY OR CITY.	INDIAN.			CHINESE.			JAPANESE.			COUNTY OR CITY.	INDIAN.			CHINESE.			JAPANESE.		
	1920	1910	1900	1920	1910	1900	1920	1910	1900		1920	1910	1900	1920	1910	1900	1920	1910	1900
COUNTIES.										COUNTIES—CON.									
The state.....	529	471	382	235	97	104	29	36	7	Monona.....	5								
Allamakee.....	27		2	2	1	1				Monroe.....	1								
Black Hawk.....	3	8		13	8	2				Montgomery.....	1								
Boone.....				4	2	1		1		Muscatine.....	4			2	1				
Bremer.....				1						O'Brien.....			1	3	3				
Buchanan.....	2																		
Buena Vista.....				4	2	2				Page.....				2					
Butler.....				1	1	3				Palo Alto.....				1		2			
Calhoun.....				3	1	1				Pocahontas.....				1	4	1			
Carroll.....				2		2				Polk.....	8	4		39	16	1	2	5	
Cass.....				1		3	1			Pottawattamie.....	2	115			1	3	3	2	
Cerro Gordo.....	6			29		1	1			Poweshiek.....				9				1	
Cherokee.....	2			2						Sac.....	16			3	3	6			
Clay.....				1						Scott.....	5	4		9	4	3	3	1	
Clinton.....	2					1		1		Shelby.....							1		
Dallas.....				2						Story.....			2	2	1	1			
Des Moines.....	9	1			3	4	2	6		Tama.....	348	295	376	2	3	1			
Dubuque.....				3	3	2		4		Union.....				2					
Emmet.....				1						Wapello.....	1	2	1	5		2			
Floyd.....				3	1	2	1			Warren.....				1	1	1	1		
Franklin.....	9			9	2	3				Washington.....			1	1	1	1			
Greene.....				1		1				Webster.....		1			6	2	4		
Grundy.....				1	1					Winnebago.....				1	2	2			
Guthrie.....	1			1	1	3				Woodbury.....	59	8		36	2	5			
Hamilton.....				2	2	2				Wright.....				2	6	4	1		
Harrison.....				1			1			All other counties.....		25	1		7	25	2	1	
										CITIES.									
Johnson.....	11			6	5	2	3	3		Cedar Rapids.....				6	1		2	1	
Jones.....	2			1						Council Bluffs.....	2	115			1	3	3	2	
Keokuk.....				2		1				Davenport.....	5	4		9	3	3	3	1	
Lee.....	3	2	1	1	1	2	2	4		Des Moines.....	8	4		38	15	1	2	5	
Linn.....	1	2		7	2		3	1											
										Dubuque.....				3	3	2		4	
Louisa.....				1	1	1				Sioux City.....	59	5		36	2	5			
Lyon.....		1					1			Waterloo.....	3	1		8					
Mahaska.....				3		2		5	2										
Marshall.....	1			4		2													
Mitchell.....				2															

POPULATION—IOWA.

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

AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Boone.....	6,280	6,171	5,585	5,565	659	568	53	38	Dubuque.....	13,873	20,268	16,581	18,261	2,244	1,977	43	30
Under 5 years.....	570	498	567	496	2	1	1	2	Under 5 years.....	1,821	1,792	1,810	1,781	7	7	4	4
Under 1 year.....	117	104	110	104	1	1	1	1	Under 1 year.....	351	342	348	341	1	1	2	1
5 to 9 years.....	553	528	548	526	1	2	4	4	5 to 9 years.....	1,724	1,670	1,709	1,670	10	4	5	5
10 to 14 years.....	591	559	578	544	7	10	6	5	10 to 14 years.....	1,505	1,568	1,489	1,551	12	16	4	1
15 to 19 years.....	570	577	555	562	10	11	5	4	15 to 19 years.....	1,495	1,810	1,477	1,781	16	26	2	3
20 to 44 years.....	2,408	2,395	2,159	2,239	222	142	24	14	20 to 44 years.....	7,457	8,224	6,722	7,694	711	518	21	12
45 years and over.....	1,577	1,606	1,148	1,192	414	401	13	13	45 years and over.....	4,850	5,188	3,356	3,778	1,485	1,405	7	5
Age unknown.....	13	8	10	6	3	2	2	2	Age unknown.....	21	7	13	6	3	1	1	1
18 to 44 years.....	2,627	2,632	2,371	2,469	229	148	26	15	18 to 44 years.....	8,053	8,961	7,316	8,423	717	525	22	13
21 years and over.....	3,902	3,878	3,225	3,310	637	541	37	27	21 years and over.....	12,025	13,025	9,798	11,094	2,194	1,914	28	17
Burlington.....	11,558	12,499	10,008	10,988	1,368	1,362	177	145	Fort Dodge.....	9,764	9,583	8,288	8,445	1,287	950	186	187
Under 5 years.....	959	918	946	909	1	1	13	8	Under 5 years.....	1,008	1,014	991	989	4	5	12	19
Under 1 year.....	187	187	182	185	1	1	5	2	Under 1 year.....	190	190	185	188	1	1	3	1
5 to 9 years.....	897	906	882	896	4	5	11	5	5 to 9 years.....	922	915	884	893	22	22	16	30
10 to 14 years.....	861	900	840	878	8	11	13	10	10 to 14 years.....	826	831	782	784	31	34	13	13
15 to 19 years.....	900	1,030	887	994	16	27	16	9	15 to 19 years.....	755	936	715	804	25	36	15	6
20 to 44 years.....	4,469	5,011	4,042	4,628	330	311	83	71	20 to 44 years.....	4,213	4,114	3,508	3,624	605	392	98	98
45 years and over.....	3,463	3,695	2,406	2,645	1,008	1,006	39	42	45 years and over.....	2,032	1,760	1,403	1,278	597	461	32	21
Age unknown.....	29	39	25	38	2	1	2	2	Age unknown.....	8	13	5	13	3	3	1	1
18 to 44 years.....	4,828	5,461	4,393	5,062	342	324	89	74	18 to 44 years.....	4,526	4,506	3,801	4,000	620	404	103	102
21 years and over.....	7,746	8,519	6,287	7,091	1,335	1,315	120	110	21 years and over.....	6,083	5,672	4,755	4,714	1,196	843	130	115
Cedar Rapids.....	22,433	23,133	18,834	20,081	3,147	2,716	344	333	Fort Madison.....	6,354	5,712	5,565	5,134	587	451	201	127
Under 5 years.....	2,066	1,844	2,026	1,816	6	5	34	23	Under 5 years.....	539	536	521	505	10	16	8	15
Under 1 year.....	386	357	378	351	1	1	7	6	Under 1 year.....	119	109	110	104	1	1	3	5
5 to 9 years.....	1,884	1,921	1,817	1,851	32	36	35	34	5 to 9 years.....	517	501	491	460	15	27	11	14
10 to 14 years.....	1,702	1,832	1,621	1,772	66	79	15	31	10 to 14 years.....	477	477	447	439	22	31	8	7
15 to 19 years.....	1,752	2,017	1,613	1,889	118	102	20	26	15 to 19 years.....	464	472	434	437	18	26	12	9
20 to 44 years.....	9,674	10,085	8,033	8,824	1,471	1,096	163	162	20 to 44 years.....	2,763	2,280	2,387	2,075	256	147	120	58
45 years and over.....	5,335	5,392	3,807	3,909	1,451	1,396	77	57	45 years and over.....	1,591	1,440	1,233	1,216	266	204	41	20
Age unknown.....	20	22	17	20	3	2	2	2	Age unknown.....	3	6	2	2	1	1	1	4
18 to 44 years.....	10,375	10,955	8,673	9,335	1,522	1,140	172	177	18 to 44 years.....	2,065	2,485	2,575	2,265	266	160	124	60
21 years and over.....	14,699	14,977	11,551	12,288	2,006	2,474	236	212	21 years and over.....	4,271	3,609	3,504	3,189	514	344	162	76
Clinton.....	12,087	12,084	9,913	10,175	2,000	1,739	172	149	Iowa City.....	5,129	6,138	4,591	5,560	480	549	35	25
Under 5 years.....	1,110	1,022	1,090	1,007	0	0	2	14	Under 5 years.....	386	420	383	422	1	1	3	3
Under 1 year.....	212	204	208	203	1	1	3	3	Under 1 year.....	81	81	80	79	1	1	1	1
5 to 9 years.....	1,022	1,021	993	1,002	7	6	17	13	5 to 9 years.....	399	384	398	383	3	2	3	2
10 to 14 years.....	956	965	926	933	13	18	12	14	10 to 14 years.....	428	433	422	429	3	2	3	2
15 to 19 years.....	946	1,069	890	1,021	37	22	19	16	15 to 19 years.....	427	538	418	528	5	9	2	1
20 to 44 years.....	4,647	4,741	3,970	4,198	608	485	68	57	20 to 44 years.....	1,962	2,475	1,783	2,317	147	143	20	12
45 years and over.....	3,399	3,247	2,033	2,007	1,323	1,204	42	36	45 years and over.....	1,509	1,868	1,175	1,467	323	304	10	7
Age unknown.....	7	9	6	7	1	2	2	2	Age unknown.....	18	14	12	14	2	2	1	1
18 to 44 years.....	5,038	5,148	4,334	4,592	628	492	75	63	18 to 44 years.....	2,138	2,712	1,955	2,550	140	146	21	13
21 years and over.....	7,858	7,773	5,824	6,008	1,925	1,676	108	88	21 years and over.....	3,389	4,243	2,873	3,685	471	536	20	19
Council Bluffs.....	13,234	12,928	15,674	15,897	2,225	1,763	332	266	Keokuk.....	6,980	7,443	6,095	6,550	417	408	466	489
Under 5 years.....	1,747	1,653	1,721	1,626	7	10	18	17	Under 5 years.....	572	601	531	569	1	1	41	32
Under 1 year.....	304	213	298	210	1	1	4	2	Under 1 year.....	107	108	96	103	1	1	11	5
5 to 9 years.....	1,702	1,668	1,601	1,635	18	9	23	24	5 to 9 years.....	579	520	533	480	1	1	45	40
10 to 14 years.....	1,540	1,484	1,488	1,437	30	28	22	19	10 to 14 years.....	583	581	549	541	3	1	31	39
15 to 19 years.....	1,410	1,631	1,349	1,555	44	53	17	23	15 to 19 years.....	577	585	544	549	5	4	28	32
20 to 44 years.....	7,464	7,483	6,294	6,644	998	704	170	133	20 to 44 years.....	2,660	2,894	2,355	2,620	110	84	184	190
45 years and over.....	4,272	3,925	3,079	2,922	1,116	954	77	49	45 years and over.....	1,085	2,245	1,565	1,780	285	310	135	154
Age unknown.....	99	84	82	78	12	5	5	1	Age unknown.....	24	17	18	11	4	4	2	2
18 to 44 years.....	8,033	8,173	6,831	7,291	1,020	734	180	146	18 to 44 years.....	2,863	3,159	2,546	2,871	123	87	197	201
21 years and over.....	11,599	11,120	9,176	9,290	2,117	1,648	244	180	21 years and over.....	4,562	5,018	3,836	4,282	406	398	318	337
Davenport.....	28,656	28,071	24,208	24,179	4,055	3,589	378	303	Marshalltown.....	7,819	7,912	6,997	7,175	685	619	132	118
Under 5 years.....	2,280	2,201	2,235	2,165	8	14	37	22	Under 5 years.....	689	644	677	637	12	7	12	7
Under 1 year.....	415	447	407	440	2	2	8	5	Under 1 year.....	149	132	145	131	1	1	4	1
5 to 9 years.....	2,279	2,192	2,223	2,144	20	28	36	20	5 to 9 years.....	726	671	714	654	3	3	9	14
10 to 14 years.....	2,231	2,262	2,175	2,188	35	52	21	22	10 to 14 years.....	664	649	640	634	8	4	15	11
15 to 19 years.....	2,066	2,200	1,987	2,123	55	55	22	22	15 to 19 years.....	630	672	599	652	13	10	18	10
20 to 44 years.....	12,679	12,260	10,979	10,961	1,525	1,157	166	142	20 to 44 years.....	3,012	3,258	2,705	2,999	254	206	50	53
45 years and over.....	7,050	6,921	4,552	4,538	2,403	2,281	80	72	45 years and over.....	2,090	2,011	1,655	1,592	407	396	27	23
Age unknown.....	71	35	55	30	9	2	7	3	Age unknown.....	8	7	7	7	1	1	1	1
18 to 44 years.....	13,533	13,170	11,7														

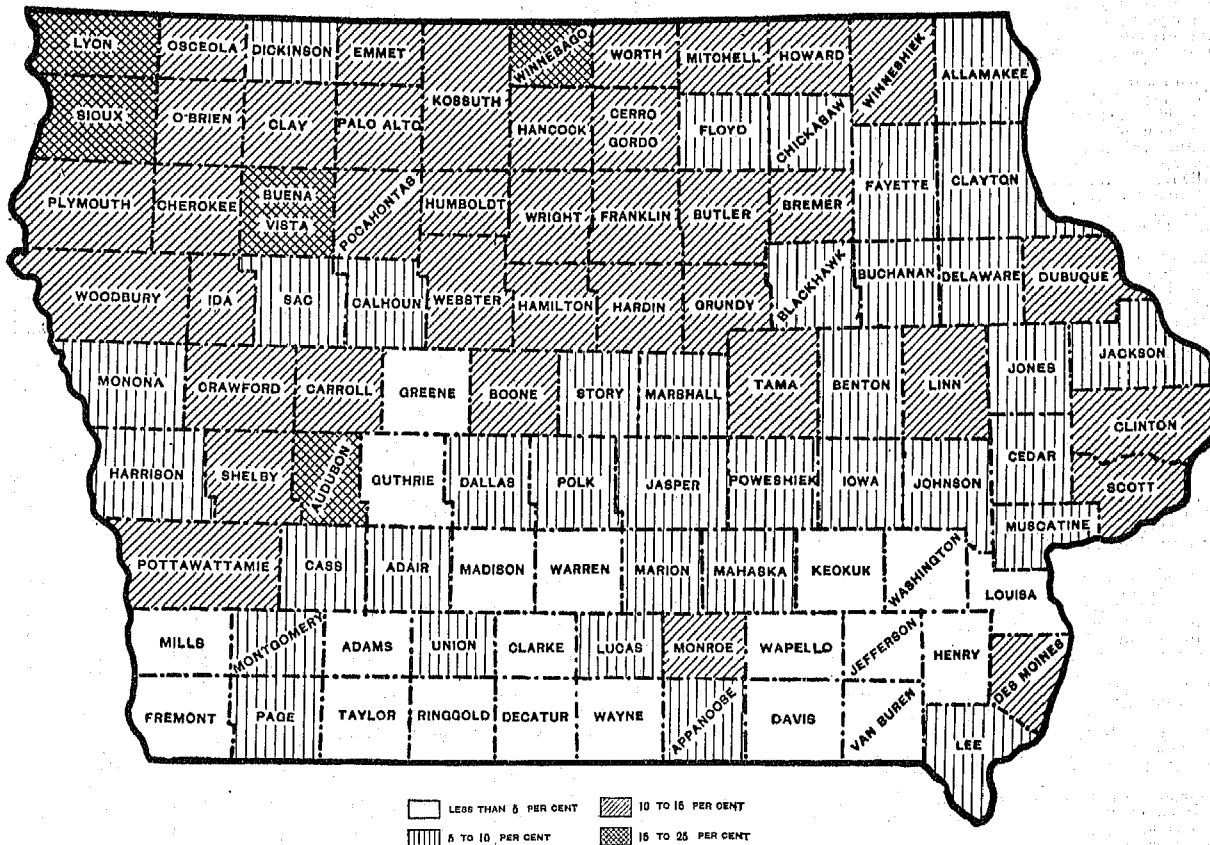
COMPOSITION AND CHARACTERISTICS.

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

AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.	
	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.		Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
Muscatine.....	7,910	8,158	6,968	7,335	884	774	54	48	Sioux City.....	37,508	33,659	30,252	28,525	6,607	4,609	643	496
Under 5 years.....	683	661	677	656	.....	3	6	2	Under 5 years.....	3,426	3,343	3,378	3,285	7	12	37	38
Under 1 year.....	142	129	141	127	.....	1	1	1	Under 1 year.....	653	620	640	609	.....	1	10	8
5 to 9 years.....	699	665	692	659	2	4	5	2	5 to 9 years.....	3,046	2,943	2,973	2,865	40	38	29	37
10 to 14 years.....	627	594	607	574	14	16	6	4	10 to 14 years.....	2,572	2,643	2,429	2,492	113	110	28	40
15 to 19 years.....	613	683	593	647	14	29	6	7	15 to 19 years.....	2,713	2,963	2,470	2,719	196	211	36	32
20 to 44 years.....	2,982	3,172	2,687	2,938	274	209	18	24	20 to 44 years.....	18,027	15,511	13,883	12,924	3,687	2,276	422	299
45 years and over.....	2,292	2,374	1,690	1,852	579	513	13	9	45 years and over.....	7,746	6,225	5,091	4,213	2,555	1,660	91	48
Age unknown.....	14	9	13	9	1	.....	.....	.....	Age unknown.....	38	31	28	27	9	2	.....	2
18 to 44 years.....	3,219	3,463	2,615	3,215	281	220	20	27	18 to 44 years.....	19,229	16,884	14,976	14,173	3,774	2,385	440	314
21 years and over.....	5,183	5,393	4,301	4,643	847	717	31	32	21 years and over.....	25,169	21,022	18,415	16,488	6,210	4,177	501	341
Ottumwa.....	11,411	11,592	10,454	10,760	677	586	275	246	Waterloo.....	18,119	18,111	15,945	16,508	1,716	1,213	448	389
Under 5 years.....	1,050	967	1,036	949	.....	23	18	.....	Under 5 years.....	1,694	1,712	1,659	1,603	.....	35	49	
Under 1 year.....	199	166	197	163	.....	2	3	.....	Under 1 year.....	329	316	319	305	.....	10	11	
5 to 9 years.....	1,067	1,056	1,047	1,033	3	8	17	20	5 to 9 years.....	1,660	1,608	1,605	1,554	22	21	33	33
10 to 14 years.....	1,032	1,078	1,010	1,049	6	4	16	25	10 to 14 years.....	1,445	1,509	1,376	1,439	29	25	40	45
15 to 19 years.....	963	1,014	929	980	10	12	23	22	15 to 19 years.....	1,335	1,533	1,265	1,468	50	35	20	30
20 to 44 years.....	4,281	4,582	3,989	4,309	182	171	106	102	20 to 44 years.....	7,975	7,954	6,821	7,204	887	547	259	202
45 years and over.....	2,092	2,899	2,428	2,415	474	395	90	59	45 years and over.....	3,980	3,765	3,192	3,163	727	584	59	28
Age unknown.....	17	26	15	25	2	1	.....	.....	Age unknown.....	30	30	27	27	1	1	2	2
18 to 44 years.....	4,644	5,024	4,339	4,730	180	180	114	114	18 to 44 years.....	8,545	8,033	7,359	7,866	912	563	266	213
21 years and over.....	7,105	7,260	6,254	6,544	655	563	102	159	21 years and over.....	11,633	11,396	9,742	10,053	1,605	1,122	308	220

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



POPULATION—IOWA.

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

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

SUBJECT.	THE STATE.	Adair.	Adams.	Alla- makee.	Appa- noose.	Auda- hon.	Benton.	Black Hawk.	Boone.	Bremer.	Bu- chanan.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	2,404,021	14,259	10,521	17,285	30,535	12,520	24,080	56,570	29,892	16,728	19,890
Male.....	1,229,392	7,376	5,417	8,909	15,801	6,560	12,447	28,323	15,481	8,488	10,033
Female.....	1,174,629	6,883	5,104	8,376	14,734	5,960	11,633	28,247	14,411	8,240	9,857
Native white.....	2,158,634	13,531	10,133	15,679	27,433	10,506	22,126	50,773	26,664	15,022	18,460
Male.....	1,091,616	6,967	5,206	8,063	13,936	5,293	11,357	25,039	13,666	7,578	9,248
Female.....	1,066,988	6,564	4,927	7,616	13,497	5,213	10,769	25,734	12,998	7,444	9,202
Native white—Native parentage.....	1,628,553	10,807	8,377	9,276	22,999	5,490	16,025	36,723	18,576	8,973	13,570
Native white—Foreign parentage.....	376,710	1,446	819	4,103	3,072	3,410	3,419	7,987	4,916	3,023	2,903
Native white—Mixed parentage.....	253,271	1,278	937	2,300	1,362	1,606	2,652	6,363	3,172	2,426	1,977
Foreign-born white.....	225,647	717	379	1,570	2,076	2,014	1,944	4,924	3,082	1,700	1,417
Male.....	127,065	404	206	825	1,650	1,267	1,085	2,813	1,729	906	772
Female.....	98,582	313	173	745	1,026	747	859	2,111	1,353	794	645
Negro.....	19,005	11	9	7	426	10	5	856	142	5	21
Male.....	10,121	5	5	5	215	5	5	455	83	3	12
Female.....	8,884	6	4	2	211	5	5	401	59	2	9
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	835	—	—	29	—	—	—	17	4	1	2
Per cent native white.....	89.8	94.9	96.3	90.7	89.8	83.9	91.9	89.8	89.2	89.8	92.8
Per cent foreign-born white.....	9.4	5.0	3.6	9.1	8.8	10.1	8.1	8.7	10.3	10.2	7.1
Per cent Negro.....	0.8	0.1	0.1	(1)	1.4	—	(1)	1.5	0.5	(1)	0.1
1910: Total population.....	2,224,771	14,420	10,998	17,328	28,701	12,671	23,156	44,865	27,626	15,843	19,748
Native white.....	1,935,707	13,350	10,378	14,677	25,334	10,038	20,601	39,835	23,139	13,647	17,734
Foreign-born white.....	273,484	1,048	607	2,431	2,881	2,627	2,546	4,985	3,099	2,190	1,996
Negro.....	14,973	21	13	19	486	5	9	29	105	6	18
Per cent native white.....	87.0	92.6	94.4	85.9	88.3	79.2	89.0	88.8	86.2	86.1	89.8
Per cent foreign-born white.....	12.3	7.3	5.5	14.0	10.0	20.7	11.0	11.1	13.4	13.8	10.1
Per cent Negro.....	0.7	0.1	0.1	0.1	1.7	(1)	(1)	0.1	0.4	(1)	0.1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	348,091	2,149	1,581	2,575	5,056	2,087	3,707	7,693	4,139	2,514	2,718
Total 7 to 13 years, inclusive.....	325,918	2,129	1,549	2,328	4,883	1,901	3,321	6,962	4,280	2,385	2,571
Number attending school.....	309,744	2,032	1,470	2,194	4,693	1,784	3,116	6,606	4,115	2,235	2,396
Per cent attending school.....	95.0	95.4	94.9	94.2	96.1	91.2	93.8	95.7	95.9	93.7	92.0
Total 14 and 15 years.....	87,074	530	413	645	1,248	513	871	1,860	1,139	622	707
Number attending school.....	74,732	454	367	556	1,034	430	734	1,609	1,003	525	607
Per cent attending school.....	85.8	85.7	88.9	86.2	83.8	84.3	84.3	86.4	88.3	84.4	85.9
Total 16 and 17 years.....	87,718	508	407	697	1,180	482	850	1,855	1,109	666	731
Number attending school.....	45,078	343	219	356	575	224	416	1,002	645	276	391
Per cent attending school.....	51.4	60.4	53.8	51.1	48.5	46.5	48.9	53.2	58.8	41.4	53.9
Total 18 to 20 years, inclusive.....	120,558	786	553	922	1,558	688	1,172	2,995	1,634	868	983
Number attending school.....	24,524	153	125	175	234	118	195	670	303	141	191
Per cent attending school.....	19.4	19.5	22.6	19.0	14.7	17.2	16.6	22.4	18.5	16.2	19.7
Males 21 years of age and over.....	737,829	4,188	3,118	5,293	8,766	3,692	7,330	17,764	9,107	4,893	5,171
Native white—Native parentage.....	397,210	2,704	2,179	3,767	6,228	2,624	5,115	10,055	4,682	1,823	3,455
Native white—Foreign or mixed parentage.....	211,875	1,022	731	2,699	900	1,223	2,719	4,719	2,604	2,183	1,948
Foreign-born white.....	121,302	369	204	817	1,505	1,205	1,050	2,663	1,666	883	756
Naturalized.....	84,160	277	170	728	668	574	792	1,614	1,235	681	450
First papers.....	11,109	20	12	31	130	108	69	332	140	58	24
Alien.....	15,884	14	3	32	623	115	116	457	142	59	57
Unknown.....	10,739	88	19	28	184	108	73	260	152	90	216
Negro.....	6,039	3	4	2	133	—	4	312	59	3	11
Indian, Chinese, Japanese, and all other.....	413	—	—	8	—	—	—	15	3	1	1
Females 21 years of age and over.....	690,853	3,909	2,900	4,825	7,808	3,157	6,829	17,399	8,338	4,780	6,009
Native white—Native parentage.....	381,037	2,622	2,113	3,674	5,930	1,149	3,860	9,000	4,435	1,821	3,466
Native white—Foreign or mixed parentage.....	210,958	978	616	2,414	802	1,289	2,143	5,296	2,674	2,191	1,898
Foreign-born white.....	93,087	306	168	730	893	719	823	1,675	1,293	766	636
Naturalized.....	69,111	223	141	638	448	528	661	1,368	1,063	607	378
First papers.....	781	3	1	2	1	—	4	16	8	5	1
Alien.....	13,686	17	6	29	338	107	95	343	153	55	86
Unknown.....	9,509	63	20	51	106	84	63	248	129	99	171
Negro.....	5,629	3	3	2	123	—	3	227	36	2	8
Indian, Chinese, Japanese, and all other.....	142	—	—	5	—	—	—	1	—	—	1
Males 18 to 44 years, inclusive.....	501,040	2,864	2,059	3,368	5,915	2,617	4,923	12,535	6,259	3,209	3,692
Females 18 to 44 years, inclusive.....	488,301	2,758	2,002	3,203	5,707	2,401	4,726	12,600	5,915	3,301	3,820
ILLITERACY.											
Total 10 years of age and over.....	1,913,155	11,186	8,281	13,671	23,351	9,563	18,865	45,869	23,840	13,186	16,044
Number illiterate.....	20,080	66	40	109	710	37	438	1,048	262	76	114
Per cent illiterate.....	1.1	0.6	0.5	0.8	3.1	0.4	1.1	1.0	1.1	0.6	0.7
Per cent illiterate in 1910.....	1.7	1.0	1.2	1.9	3.5	0.9	1.7	1.2	2.2	1.0	1.4
Native white.....	1,672,805	10,460	7,894	12,082	20,359	7,504	10,921	40,287	20,644	11,469	14,610
Number illiterate.....	8,275	42	33	47	259	16	94	109	152	38	61
Per cent illiterate.....	0.5	0.4	0.4	0.4	1.3	0.2	0.6	0.3	0.7	0.3	0.4
Foreign-born white.....	223,752	716	378	1,565	2,632	1,999	1,936	4,863	3,066	1,691	1,412
Number illiterate.....	11,004	23	6	59	413	21	109	278	98	37	52
Per cent illiterate.....	4.9	3.2	1.6	3.8	15.7	1.1	5.6	5.7	3.2	2.2	3.7
Negro.....	15,902	10	9	6	300	—	8	702	127	5	20
Number illiterate.....	1,283	1	1	—	44	—	1	49	9	1	1
Per cent illiterate.....	8.1	—	—	—	12.2	—	—	7.0	7.1	—	—
Total 16 to 20 years, inclusive.....	214,256	1,354	960	1,619	2,774	1,170	2,022	4,880	2,833	1,534	1,714
Number illiterate.....	718	2	3	3	20	3	8	19	16	2	4
Per cent illiterate.....	0.3	0.1	0.3	0.2	0.7	0.3	0.4	0.4	0.6	0.1	0.2
Illiterate males 21 years of age and over.....	10,603	32	15	44	398	14	103	245	145	40	52
Per cent of all males 21 years of age and over.....	1.4	0.8	0.5	0.8	4.5	0.4	1.4	1.4	1.6	0.8	0.8
Native white.....	4,537	21	13	20	155	6	59	55	76	23	29
Foreign-born white.....	5,382	10	2	17	215	8	43	159	60	17	22
Negro.....	621	1	—	—	28	—	—	20	6	—	—
Illiterate females 21 years of age and over.....	8,836	27	20	58	290	20	92	166	81	34	54
Per cent of all females 21 years of age and over.....	1.3	0.7	0.7	1.2	8.7	0.6	1.3	1.0	1.0	0.7	0.9
Native white.....	2,805	15	15	14	85	9	29	38	41	13	24
Foreign-born white.....	5,411	12	4	42	189	11	63	109	37	20	30
Negro.....	568	—	—	—	16	—	—	19	3	1	—
DWELLINGS AND FAMILIES.											
Dwellings, number.....	559,188	3,506	2,593	3,942	7,101	2,836	5,938	13,234	6,855	4,123	4,625
Families, number.....	586,070	3,580	2,633	4,071	7,461	2,884	6,060	14,064	7,097	4,170	4,750

1 Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Buena Vista.	Butler.	Calhoun.	Carroll.	Cass.	Cedar.	Cerro Gordo.	Cherokee.	Chickasaw.	Clarke.	Clay.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	18,556	17,845	17,783	21,549	19,421	17,560	34,675	17,760	15,431	10,566	15,460
Male.....	9,553	9,146	9,153	10,932	9,897	9,098	18,162	9,297	7,800	5,408	8,108
Female.....	9,003	8,699	8,630	10,617	9,524	8,462	16,513	8,463	7,631	5,098	7,352
Native white.....	15,719	15,508	16,255	19,211	17,829	15,824	30,032	15,537	14,105	10,294	14,060
Male.....	7,890	7,907	8,306	9,613	8,998	8,124	15,344	8,000	7,179	5,290	7,160
Female.....	7,823	7,601	7,949	9,598	8,831	7,700	14,688	7,537	6,926	4,995	6,891
Native white—Native parentage.....	9,058	9,215	11,498	11,580	13,179	10,957	20,464	10,591	8,881	9,478	9,671
Native white—Foreign parentage.....	4,341	3,642	2,748	4,395	2,626	2,652	5,069	3,027	3,200	327	2,654
Native white—Mixed parentage.....	2,320	2,711	2,009	3,230	2,024	1,915	3,860	1,910	2,018	480	1,735
Foreign-born white.....	2,816	2,275	1,492	2,305	1,559	1,727	4,246	2,195	1,320	178	1,533
Male.....	1,039	1,237	836	1,299	879	967	2,592	1,283	711	94	927
Female.....	1,777	1,038	656	1,006	680	760	1,654	909	615	84	656
Negro.....	17	1	33	31	31	9	381	24	—	34	16
Male.....	14	1	8	13	13	7	193	9	—	15	11
Female.....	3	—	25	13	13	2	188	15	—	19	5
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	4	1	3	2	2	—	36	4	—	—	1
Per cent native white.....	84.7	87.2	91.4	89.2	91.8	90.1	86.6	87.5	91.4	98.0	89.8
Per cent foreign-born white.....	15.2	12.7	8.4	10.7	8.0	9.8	12.2	12.4	8.6	1.7	10.1
Per cent Negro.....	0.1	(¹)	0.2	0.1	0.2	0.1	1.0	0.1	—	0.3	0.1
1910: Total population.....	15,981	17,119	17,090	20,117	19,047	17,765	25,011	16,741	15,375	10,738	12,766
Native white.....	12,793	14,404	15,122	17,128	17,156	15,392	21,178	14,144	13,541	10,402	11,044
Foreign-born white.....	3,186	2,713	1,966	2,958	1,899	2,362	3,685	2,592	1,834	291	1,722
Negro.....	1	1	11	31	22	21	148	5	—	43	—
Per cent native white.....	80.1	84.1	88.5	85.1	90.1	86.6	84.7	84.5	88.1	96.9	86.5
Per cent foreign-born white.....	19.9	15.8	11.4	14.7	9.8	13.2	14.7	15.5	11.9	2.7	13.5
Per cent Negro.....	—	(¹)	0.1	0.2	0.1	0.1	0.6	(¹)	—	0.4	—
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	2,840	2,804	2,776	3,611	2,640	2,500	5,335	2,575	2,215	1,469	2,463
Total 7 to 13 years, inclusive.....	2,532	2,684	2,467	3,140	2,723	2,316	4,483	2,175	2,273	1,501	2,192
Number attending school.....	2,482	2,611	2,383	3,035	2,613	2,222	4,315	2,062	2,227	1,370	2,083
Per cent attending school.....	98.0	97.3	96.6	96.7	96.0	95.9	96.3	94.8	98.0	91.9	95.0
Total 14 and 15 years.....	700	710	679	855	714	661	1,106	594	630	440	574
Number attending school.....	612	624	592	651	620	560	994	532	551	364	503
Per cent attending school.....	87.4	87.9	87.2	76.1	88.1	85.6	89.9	89.6	87.5	82.7	87.6
Total 16 and 17 years.....	688	694	699	807	674	600	1,133	596	655	409	553
Number attending school.....	431	344	370	338	364	321	699	359	346	217	308
Per cent attending school.....	62.6	49.6	52.9	41.9	54.0	52.7	59.1	60.2	52.8	53.1	55.7
Total 18 to 20 years, inclusive.....	931	987	937	1,140	1,009	870	1,756	881	851	555	824
Number attending school.....	230	175	184	141	179	159	403	172	171	107	156
Per cent attending school.....	25.7	17.7	19.6	12.4	17.7	18.3	22.9	21.8	20.1	19.3	18.9
Males 21 years of age and over.....	5,709	5,133	5,363	6,105	6,003	5,549	11,184	5,832	4,528	3,128	4,776
Native white—Native parentage.....	2,043	2,207	2,379	2,344	3,450	2,954	5,537	2,890	1,857	2,701	2,459
Native white—Foreign or mixed parentage.....	2,052	1,761	1,043	2,466	1,691	1,654	3,048	1,695	1,974	327	1,405
Foreign-born white.....	1,699	1,164	821	1,277	848	935	2,420	1,229	697	87	902
Naturalized.....	1,238	828	618	986	608	744	1,138	765	527	52	698
First papers.....	193	140	89	103	46	67	278	175	24	3	86
Alien.....	123	126	50	68	87	55	845	171	52	12	80
Unknown.....	45	70	64	130	107	69	159	118	94	20	29
Negro.....	12	1	8	16	12	6	150	7	—	13	9
Indian, Chinese, Japanese, and all other.....	3	—	2	2	2	—	29	2	—	—	1
Females 21 years of age and over.....	5,156	4,833	4,872	5,891	5,658	5,055	9,628	5,107	4,279	3,094	4,278
Native white—Native parentage.....	2,010	2,123	2,026	2,268	3,442	2,684	5,005	2,621	1,814	2,590	2,245
Native white—Foreign or mixed parentage.....	2,019	1,744	1,597	2,628	1,552	1,640	3,025	1,625	1,865	322	1,399
Foreign-born white.....	1,125	966	630	988	658	729	1,486	848	600	80	630
Naturalized.....	926	750	503	789	485	625	957	530	490	50	533
First papers.....	21	10	18	4	1	4	11	13	3	—	3
Alien.....	152	153	75	78	50	52	409	192	45	7	69
Unknown.....	26	53	34	117	122	48	109	113	62	17	25
Negro.....	2	—	19	7	6	2	109	11	—	12	4
Indian, Chinese, Japanese, and all other.....	—	—	—	—	—	—	3	2	—	—	—
Males 18 to 44 years, inclusive.....	4,008	3,414	3,709	4,295	4,004	3,702	8,151	3,976	2,898	1,951	3,372
Females 18 to 44 years, inclusive.....	3,860	3,406	3,576	4,317	3,907	3,420	7,369	3,641	2,948	2,004	3,206
ILLITERACY.											
Total 10 years of age and over.....	14,575	13,882	13,928	16,556	15,563	14,024	27,306	14,262	12,219	8,422	12,247
Number illiterate.....	126	63	82	112	153	106	387	229	131	58	66
Per cent illiterate.....	0.9	0.5	0.6	0.7	1.0	0.8	1.3	1.6	1.1	0.7	0.5
Per cent illiterate in 1910.....	1.7	0.8	0.9	0.6	1.1	1.2	2.4	1.5	1.1	1.6	1.1
Native white.....	11,753	11,621	12,408	14,225	13,987	12,296	22,792	12,043	10,896	8,219	10,657
Number illiterate.....	48	20	37	48	60	44	38	83	46	42	31
Per cent illiterate.....	0.4	0.2	0.3	0.3	0.4	0.4	0.2	0.7	0.4	0.5	0.3
Foreign-born white.....	2,801	2,259	1,485	2,299	1,551	1,719	4,178	2,182	1,323	176	1,675
Number illiterate.....	77	34	44	64	92	58	304	140	85	11	34
Per cent illiterate.....	2.7	1.5	3.0	2.8	5.9	3.4	7.3	6.4	6.4	6.3	2.2
Negro.....	17	1	32	30	23	9	300	28	—	27	14
Number illiterate.....	—	—	1	—	1	4	16	5	—	5	—
Per cent illiterate.....	—	—	—	—	—	—	5.3	—	—	—	—
Total 16 to 20 years, inclusive.....	1,619	1,681	1,636	1,947	1,683	1,479	2,939	1,477	1,506	964	1,377
Number illiterate.....	6	4	1	2	11	4	10	8	2	1	3
Per cent illiterate.....	0.4	0.2	0.1	0.1	0.7	0.3	0.3	0.5	0.1	0.1	0.2
Illiterate males 21 years of age and over.....	47	27	46	52	89	55	194	142	66	33	37
Per cent of all males 21 years of age and over.....	0.8	0.5	0.9	0.9	1.5	1.0	1.7	2.4	1.5	1.1	0.7
Native white.....	17	15	23	26	40	27	19	53	29	25	16
Foreign-born white.....	29	12	23	26	48	26	159	80	37	5	16
Negro.....	—	—	—	—	1	2	8	2	—	3	—
Illiterate females 21 years of age and over.....	66	31	33	54	52	46	163	77	59	21	26
Per cent of all females 21 years of age and over.....	1.3	0.6	0.7	0.9	0.9	0.9	1.7	1.5	1.4	0.7	0.6
Native white.....	20	9	12	17	14	15	17	20	12	14	8
Foreign-born white.....	46	22	20	37	38	30	139	54	47	5	18
Negro.....	—	—	1	—	—	—	7	3	—	2	—
DWELLINGS AND FAMILIES.											
Dwellings, number.....	4,398	4,320	4,265	4,839	4,803	4,374	7,354	3,806	3,650	2,669	3,622
Families, number.....	4,622	4,368	4,346	4,634	4,971	4,436	8,009	3,945	3,703	2,755	3,726

¹ Less than one-tenth of 1 per cent.

POPULATION—IOWA.

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

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

SUBJECT.	Clayton.	Clinton.	Crawford.	Dallas.	Davis.	Decatur.	Dela-ware.	Des Moines.	Dickinson.	Dubuque.	Emmet.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	25,032	43,371	20,614	25,120	12,574	16,566	18,183	35,520	10,241	58,262	12,627
Male.....	12,982	22,068	10,820	13,009	6,365	8,410	9,172	17,465	5,381	28,638	6,668
Female.....	12,050	21,303	9,788	12,111	6,209	8,156	9,011	18,055	4,860	29,624	6,029
Native white.....	22,615	36,852	17,707	23,506	12,357	16,269	16,919	31,467	9,468	52,367	11,099
Male.....	11,848	18,549	9,230	12,043	6,254	8,250	8,460	15,352	4,922	25,448	5,703
Female.....	11,067	18,303	8,477	11,463	6,103	8,019	8,459	16,115	4,546	26,919	5,396
Native white—Native parentage.....	14,445	21,087	9,143	19,797	11,501	15,023	11,857	20,747	6,820	30,445	6,847
Native white—Foreign parentage.....	5,108	10,260	5,443	1,981	376	565	2,862	6,836	1,353	13,070	2,626
Native white—Mixed parentage.....	2,362	5,505	3,121	1,728	480	681	2,200	3,884	1,295	8,852	1,626
Foreign-born white.....	2,108	6,178	2,885	1,405	190	291	1,261	3,705	769	5,815	1,483
Male.....	1,128	3,332	1,584	850	98	157	710	1,919	455	3,140	875
Female.....	980	2,846	1,299	555	92	134	551	1,786	314	2,675	608
Negro.....	9	338	22	207	27	6	3	1	4	75	42
Male.....	6	185	10	114	13	3	2	188	4	45	17
Female.....	3	153	12	93	14	3	1	149	—	30	25
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	—	3	—	2	—	—	—	11	—	5	3
Per cent native white.....	91.5	85.0	85.9	93.6	98.3	98.2	93.0	88.6	92.5	89.9	87.9
Per cent foreign-born white.....	8.4	14.2	14.0	5.6	1.5	1.8	6.9	10.4	7.5	10.0	11.7
Per cent Negro.....	(¹)	0.8	0.1	0.8	0.2	(¹)	(¹)	0.9	(¹)	0.1	0.3
1910: Total population.....											
Native white.....	25,476	45,394	20,041	23,628	13,315	16,347	17,888	36,145	8,137	57,450	9,816
Foreign-born white.....	22,460	36,562	10,042	22,225	12,983	15,834	16,027	30,312	7,260	48,962	8,153
Negro.....	3,089	8,395	3,974	1,272	288	478	1,859	5,394	872	8,885	1,044
Per cent native white.....	87.8	80.5	80.0	94.1	97.5	96.9	89.6	83.9	89.2	85.2	83.1
Per cent foreign-born white.....	12.1	18.5	19.8	5.4	2.2	2.9	10.4	14.9	10.7	14.6	16.7
Per cent Negro.....	0.1	1.0	0.1	0.6	0.3	0.2	(¹)	1.2	0.1	0.2	0.2
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	3,074	5,790	3,317	3,796	1,896	2,502	2,734	4,246	1,621	8,134	2,073
Total 7 to 13 years, inclusive.....	3,444	5,555	2,960	3,398	1,804	2,004	2,591	4,128	1,508	7,454	1,880
Number attending school.....	3,304	5,091	2,629	3,228	1,625	2,502	2,532	4,031	1,471	6,855	1,718
Per cent attending school.....	97.7	95.0	88.8	96.0	90.1	90.1	97.7	97.5	97.5	92.0	91.1
Total 14 and 15 years.....	930	1,629	808	886	479	670	777	1,106	394	1,927	502
Number attending school.....	796	1,327	694	783	410	602	662	907	362	1,368	435
Per cent attending school.....	85.6	80.8	85.4	87.4	85.6	89.9	85.2	87.4	91.9	71.0	80.7
Total 16 and 17 years.....	904	1,537	706	892	475	625	731	1,176	443	2,090	468
Number attending school.....	461	758	355	556	285	392	409	521	275	950	240
Per cent attending school.....	47.8	49.3	44.0	62.3	60.0	62.7	56.0	44.3	62.1	31.1	51.3
Total 18 to 20 years, inclusive.....	1,336	2,207	1,108	1,182	634	910	1,037	1,833	598	3,008	707
Number attending school.....	213	420	248	286	117	217	225	329	141	897	137
Per cent attending school.....	15.9	19.0	13.4	24.2	18.5	23.8	21.7	17.9	23.6	18.2	19.4
Males 21 years of age and over.....	7,003	13,809	6,177	7,776	3,659	4,686	5,260	11,270	3,044	17,473	3,748
Native white—Native parentage.....	3,084	5,072	1,713	5,040	3,202	4,026	2,642	5,334	1,707	6,226	1,620
Native white—Foreign or mixed parentage.....	3,410	5,409	2,896	1,256	354	512	1,919	3,913	882	8,140	1,256
Foreign-born white.....	1,107	3,213	1,561	806	96	146	699	1,882	452	3,072	552
Naturalized.....	910	2,429	1,209	412	74	101	541	1,509	380	2,372	622
First papers.....	77	234	120	89	5	33	103	83	33	240	63
Alien.....	47	238	79	242	4	8	45	110	20	261	82
Unknown.....	73	312	153	63	13	37	80	160	19	199	85
Negro.....	2	114	7	72	7	2	—	181	3	30	12
Indian, Chinese, Japanese, and all other.....	—	1	—	2	—	—	—	5	—	5	3
Females 21 years of age and over.....	7,081	13,141	5,453	7,180	3,627	4,569	5,053	11,761	2,633	18,176	3,243
Native white—Native parentage.....	2,844	4,844	1,599	5,416	3,208	3,931	2,765	5,539	1,487	6,497	1,394
Native white—Foreign or mixed parentage.....	3,274	5,447	2,578	1,200	317	512	1,759	4,376	841	9,063	1,248
Foreign-born white.....	902	2,760	1,269	612	92	123	529	1,729	305	2,599	589
Naturalized.....	830	2,112	1,024	310	65	84	423	1,388	265	2,002	460
First papers.....	7	15	1	5	4	—	1	32	1	13	1
Alien.....	56	244	107	149	8	9	40	132	19	235	75
Unknown.....	69	389	137	48	15	30	65	177	20	289	53
Negro.....	1	89	7	52	10	3	1	113	—	17	12
Indian, Chinese, Japanese, and all other.....	—	1	—	—	—	—	—	4	—	—	—
Males 18 to 44 years, inclusive.....	4,932	9,006	4,453	5,114	2,280	2,961	3,433	7,058	2,156	11,555	2,730
Females 18 to 44 years, inclusive.....	4,734	8,871	4,100	4,882	2,319	3,038	3,370	7,638	1,982	12,418	2,519
ILLITERACY.											
Total 10 years of age and over.....	19,865	35,240	15,970	19,775	9,927	12,945	14,304	28,491	7,989	46,843	9,696
Number illiterate.....	195	361	74	131	104	145	114	389	24	531	68
Per cent illiterate.....	1.0	1.0	0.5	0.7	1.0	1.1	0.8	1.3	0.3	1.1	0.7
Per cent illiterate in 1910.....	1.8	1.9	2.6	1.0	1.9	2.6	1.4	1.5	0.4	1.1	1.6
Native white.....	17,752	28,812	13,067	18,227	9,714	12,655	13,045	25,488	7,201	41,003	8,182
Number illiterate.....	142	148	21	63	94	143	79	159	14	137	25
Per cent illiterate.....	0.8	0.5	0.2	0.3	1.0	1.1	0.6	0.6	0.2	0.3	0.3
Foreign-born white.....	2,105	6,149	2,882	1,386	190	284	1,256	3,693	764	5,778	1,476
Number illiterate.....	63	198	52	59	9	1	35	207	10	394	41
Per cent illiterate.....	2.5	3.2	1.8	4.3	4.7	0.4	2.8	5.6	1.3	6.8	2.8
Negro.....	8	276	21	160	23	6	3	299	4	57	35
Number illiterate.....	13	1	9	1	1	—	—	21	—	—	—
Per cent illiterate.....	—	4.7	—	5.6	—	—	—	7.0	—	—	—
Total 16 to 20 years, inclusive.....	2,300	3,744	1,904	2,074	1,109	1,535	1,768	3,009	1,041	5,098	1,175
Number illiterate.....	7	20	4	1	4	7	6	9	4	14	3
Per cent illiterate.....	0.3	0.5	0.2	(¹)	0.4	0.5	0.3	0.3	0.4	0.3	0.3
Illiterate males 21 years of age and over.....	93	174	28	85	62	87	58	152	6	229	44
Per cent of all males 21 years of age and over.....	1.2	1.3	0.5	1.1	1.7	1.9	1.1	1.3	0.2	1.3	1.2
Native white.....	72	73	9	43	58	80	46	77	2	51	16
Foreign-born white.....	21	94	18	36	4	—	13	67	4	178	26
Negro.....	—	6	1	6	—	—	—	8	—	—	—
Illiterate females 21 years of age and over.....	88	156	30	43	35	51	45	220	8	276	10
Per cent of all females 21 years of age and over.....	1.2	1.2	0.7	0.6	1.0	1.1	0.9	1.9	0.3	1.5	0.6
Native white.....	56	49	7	17	30	50	23	70	2	64	4
Foreign-born white.....	32	101	32	23	4	1	22	136	6	212	15
Negro.....	—	6	—	3	1	—	—	12	—	—	—
DWELLINGS AND FAMILIES.											
Dwellings, number.....	5,896	10,356	4,770	6,306	3,128	3,950	4,284	9,021	2,317	12,057	2,730
Families, number.....	6,017	10,864	4,853	6,489	3,222	4,019	4,335	9,401	2,365	13,269	2,847

¹ Less than one-tenth of 1 per cent.

COMPOSITION AND CHARACTERISTICS.

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

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

SUBJECT.	Fayette.	Floyd.	Franklin.	Freemont.	Greene.	Grundey.	Guthrie.	Hamilton.	Hancock.	Hardin.	Harrison.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	29,251	18,880	15,807	15,447	16,467	14,420	17,598	19,531	14,723	23,337	24,488
Male.....	14,959	9,528	8,252	7,908	8,373	7,401	9,055	10,080	7,724	12,083	12,571
Female.....	14,292	9,352	7,555	7,539	8,094	7,019	8,543	9,451	6,999	11,254	11,917
Native white.....	26,681	17,178	13,801	15,067	15,660	12,389	16,013	17,345	12,737	20,876	22,909
Male.....	13,489	8,631	7,109	7,698	7,916	6,263	8,662	8,819	6,570	10,907	11,717
Female.....	13,192	8,547	6,692	7,369	7,744	6,126	8,251	8,526	6,167	10,170	11,282
Native white—Native parentage.....	18,338	11,809	8,163	13,456	12,724	7,101	14,355	11,220	6,927	14,354	18,256
Native white—Foreign parentage.....	4,769	3,180	3,352	773	1,537	3,280	1,283	3,594	3,563	3,889	2,469
Native white—Mixed parentage.....	3,579	2,189	2,286	838	1,399	2,038	1,275	2,531	2,307	2,633	2,274
Foreign-born white.....	2,464	1,650	1,075	369	700	2,029	680	2,180	1,977	2,389	1,464
Male.....	1,412	876	1,127	202	448	1,146	300	1,236	1,151	1,325	839
Female.....	1,052	774	848	167	252	883	380	944	826	1,064	625
Negro.....	106	30	13	11	10	1	1	4	9	72	23
Male.....	58	17	9	8	8	1	1	2	3	61	14
Female.....	48	13	4	3	2	1	1	2	6	11	9
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	2	2	18	1	1	1	2	2	2	2	2
Per cent native white.....	91.2	91.1	87.3	97.5	95.1	85.9	96.1	88.8	86.5	89.5	93.9
Per cent foreign-born white.....	8.4	8.7	12.5	2.4	4.8	14.1	3.9	11.2	13.4	10.2	6.0
Per cent Negro.....	0.4	0.2	0.1	0.1	0.1	(1)	(1)	(1)	0.1	0.3	0.1
1910: Total population.....	27,919	17,119	14,780	15,623	16,023	13,574	17,374	19,242	12,731	20,921	23,162
Native white.....	24,644	14,983	12,255	15,061	14,776	10,903	16,437	16,219	10,481	18,109	21,488
Foreign-born white.....	3,168	2,118	2,513	522	1,246	2,569	934	2,984	2,235	2,766	1,559
Negro.....	107	17	10	39	1	11	2	37	11	46	15
Per cent native white.....	88.3	87.5	82.9	96.4	92.2	81.0	94.6	84.3	82.3	86.6	92.8
Per cent foreign-born white.....	11.3	12.4	17.0	3.3	7.8	18.9	5.4	15.5	17.6	13.2	7.2
Per cent Negro.....	0.4	0.1	0.1	0.2	(1)	0.1	(1)	0.2	0.1	0.2	0.1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	4,300	2,720	2,523	2,380	2,578	2,488	2,784	3,165	2,463	3,322	3,856
Total 7 to 13 years, inclusive.....	4,088	2,402	2,315	2,204	2,406	2,183	2,580	2,764	2,242	3,101	3,738
Number attending school.....	3,902	2,333	2,212	2,183	2,310	2,118	2,449	2,593	2,169	2,906	3,532
Per cent attending school.....	96.9	97.1	95.6	95.2	96.0	96.8	96.8	96.8	96.7	92.9	94.5
Total 14 and 15 years.....	1,052	606	672	635	613	508	646	685	599	900	965
Number attending school.....	921	588	624	555	547	486	572	592	516	868	846
Per cent attending school.....	87.5	98.0	92.9	87.4	89.2	95.6	88.5	86.4	86.1	97.7	87.7
Total 16 and 17 years.....	1,074	655	591	500	631	541	661	732	611	950	956
Number attending school.....	546	390	332	311	368	254	400	385	288	560	522
Per cent attending school.....	50.8	59.5	56.2	62.7	58.3	47.0	60.5	52.6	47.1	59.0	54.6
Total 18 to 20 years, inclusive.....	1,480	924	861	885	804	720	904	1,007	775	1,304	1,284
Number attending school.....	807	225	172	180	174	120	192	217	138	314	217
Per cent attending school.....	20.6	24.4	20.0	20.3	21.6	16.7	21.2	21.5	17.8	24.1	16.9
Males 21 years of age and over.....	8,891	5,825	4,688	4,480	4,890	4,117	5,170	5,861	4,313	6,855	7,160
Native white—Native parentage.....	4,477	2,903	1,931	3,683	3,343	1,498	3,810	2,669	1,499	3,636	4,710
Native white—Foreign or mixed parentage.....	3,025	2,053	1,069	592	1,111	1,539	982	1,972	1,717	1,968	1,619
Foreign-born white.....	1,358	856	1,080	200	433	1,078	375	1,216	1,065	1,254	823
Naturalized.....	906	658	789	150	345	725	248	902	832	939	547
First papers.....	136	65	122	8	19	120	22	107	102	107	72
Alien.....	222	70	94	3	18	165	54	111	88	131	86
Unknown.....	94	57	75	30	51	68	51	96	73	77	118
Negro.....	31	11	7	5	2	1	1	2	2	7	7
Indian, Chinese, Japanese, and all other.....	2	2	1	1	1	1	2	2	2	1	1
Females 21 years of age and over.....	8,207	5,059	4,157	4,174	4,545	3,803	4,901	5,317	3,720	6,715	6,529
Native white—Native parentage.....	4,288	2,890	1,753	3,439	3,135	1,452	3,738	2,511	1,357	3,660	4,413
Native white—Foreign or mixed parentage.....	2,953	2,017	1,596	570	1,076	1,533	889	1,890	1,570	2,029	1,616
Foreign-born white.....	999	743	802	162	330	818	274	915	791	1,016	593
Naturalized.....	761	610	612	120	197	587	193	712	608	814	443
First papers.....	11	3	7	6	16	10	5	8	8	2	4
Alien.....	144	75	114	6	24	140	35	114	115	135	68
Unknown.....	83	55	69	36	35	75	46	84	60	65	78
Negro.....	27	9	3	3	4	1	1	1	2	10	6
Indian, Chinese, Japanese, and all other.....	2	2	3	1	1	1	2	2	2	1	1
Males 18 to 44 years, inclusive.....	5,906	3,873	3,346	2,927	3,297	2,900	3,333	3,973	3,077	4,646	4,804
Females 18 to 44 years, inclusive.....	5,684	3,886	3,158	2,961	3,244	2,823	3,410	3,775	2,819	4,642	4,692
ILLITERACY.											
Total 10 years of age and over.....	23,028	15,071	12,314	12,003	12,858	10,912	13,717	15,143	11,328	18,650	19,003
Number illiterate.....	177	83	75	122	62	59	87	85	75	102	145
Per cent illiterate.....	0.8	0.6	0.6	1.0	0.5	0.5	0.6	0.6	0.7	0.5	0.8
Per cent illiterate in 1910.....	2.3	1.8	1.1	2.3	1.1	0.9	1.5	1.8	1.0	1.0	1.1
Native white.....	20,506	13,405	10,333	11,624	12,059	8,897	13,040	12,998	9,363	16,213	17,529
Number illiterate.....	66	50	29	117	40	28	56	29	29	40	67
Per cent illiterate.....	0.3	0.4	0.3	1.0	0.3	0.3	0.4	0.2	0.3	0.3	0.4
Foreign-born white.....	2,441	1,639	1,063	369	787	2,013	674	2,170	1,960	2,371	1,453
Number illiterate.....	107	33	46	4	22	31	30	56	46	53	77
Per cent illiterate.....	4.4	2.0	2.3	1.1	2.8	1.5	4.5	2.6	2.3	2.2	5.3
Negro.....	81	25	10	10	11	1	1	3	6	60	19
Number illiterate.....	4	1	1	1	1	1	1	1	1	1	1
Per cent illiterate.....	4.9	1.3	1.3	0.8	0.7	0.1	0.1	0.1	0.1	0.1	0.1
Total 16 to 20 years, inclusive.....	2,563	1,579	1,452	1,475	1,435	1,261	1,565	1,739	1,386	2,254	2,240
Number illiterate.....	8	5	3	2	2	4	2	4	6	4	6
Per cent illiterate.....	0.3	0.3	0.2	0.1	0.1	0.3	0.1	0.2	0.4	0.2	0.3
Illiterate males 21 years of age and over.....	99	48	41	87	34	27	46	41	27	49	81
Per cent of all males 21 years of age and over.....	1.1	0.8	0.9	1.9	0.7	0.7	0.9	0.7	0.6	0.7	1.1
Native white.....	40	27	14	83	24	10	32	15	11	25	33
Foreign-born white.....	57	21	27	3	10	17	13	26	16	24	47
Negro.....	2	1	1	1	1	1	1	1	1	1	1
Illiterate females 21 years of age and over.....	61	23	25	27	20	21	32	39	27	44	52
Per cent of all females 21 years of age and over.....	0.7	0.4	0.6	0.6	0.4	0.6	0.7	0.7	1.0	0.7	0.8
Native white.....	13	11	7	26	8	9	17	10	11	16	22
Foreign-born white.....	46	12	18	1	12	12	15	29	26	28	30
Negro.....	2	1	1	1	1	1	1	1	1	1	1
DWELLINGS AND FAMILIES.											
Dwellings, number.....	6,977	4,649	3,615	3,753	3,936	3,287	4,384	4,550	3,213	5,548	5,714
Families, number.....	7,205	4,877	3,705	3,843	4,024	3,355	4,468	4,682	3,262	5,700	5,845

1 Less than one-tenth of 1 per cent.

POPULATION—IOWA.

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

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

SUBJECT.	Henry.	Howard.	Humboldt.	Ida.	Iowa.	Jackson.	Jasper.	Jefferson.	Johnson.	Jones.	Keokuk.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	18,298	13,705	12,951	11,689	18,600	19,931	27,855	16,440	20,462	18,607	20,083
Male.....	9,150	6,973	6,746	6,111	9,549	10,162	14,520	8,280	13,123	9,893	10,665
Female.....	9,148	6,732	6,205	5,578	9,051	9,769	13,335	8,160	13,339	8,714	10,318
Native white.....	17,203	12,254	11,141	9,958	16,944	18,218	25,548	15,725	24,194	16,893	20,211
Male.....	8,534	6,173	5,686	5,090	8,612	9,194	13,004	7,898	11,043	8,865	10,252
Female.....	8,669	6,076	5,455	4,868	8,332	9,024	12,544	7,827	12,240	8,028	9,959
Native white—Native parentage.....	14,322	7,078	6,714	5,817	11,678	11,921	19,890	13,380	16,613	11,500	17,056
Native white—Foreign parentage.....	1,528	3,022	2,602	2,491	3,049	3,524	3,357	1,327	4,680	3,321	1,734
Native white—Mixed parentage.....	1,353	2,154	1,825	1,650	2,217	2,773	2,295	1,018	2,895	1,982	1,421
Foreign-born white.....	883	1,447	1,805	1,717	1,698	1,708	1,163	620	2,173	1,044	753
Male.....	502	792	1,057	1,014	926	965	1,243	347	1,112	559	402
Female.....	381	655	748	703	772	743	920	273	1,061	485	351
Negro.....	212	4	5	14	18	5	144	86	68	87	17
Male.....	114	3	3	7	11	3	73	51	40	66	9
Female.....	98	1	2	7	7	2	71	35	28	21	8
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....											
Per cent native white.....	94.0	89.4	86.0	85.2	91.1	91.4	91.7	95.7	91.4	90.8	96.3
Per cent foreign-born white.....	4.8	10.6	13.9	14.7	8.8	8.6	7.8	3.8	8.2	5.8	3.6
Per cent Negro.....	1.2	(1)	(1)	0.1	0.1	(1)	0.5	0.5	0.3	0.4	0.1
1910: Total population.....	18,640	12,920	12,182	11,206	18,409	21,258	27,034	15,951	25,914	19,080	21,180
Native white.....	17,203	11,080	10,055	9,197	16,043	18,769	24,288	14,881	22,863	16,687	20,008
Foreign-born white.....	1,173	1,828	2,123	2,007	2,361	2,489	2,564	990	2,975	2,280	1,075
Negro.....	264	12	4	2	5		182	79	65	83	17
Per cent native white.....	92.3	85.8	81.4	81.4	87.1	88.3	89.8	93.3	88.2	87.6	94.8
Per cent foreign-born white.....	6.8	14.1	17.4	18.6	12.8	11.7	9.5	6.2	11.5	12.0	5.1
Per cent Negro.....	1.4	0.1	(1)	(1)	(1)		0.7	0.5	0.3	0.4	0.1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	2,205	2,046	2,153	1,839	2,804	2,734	4,095	2,165	3,474	2,619	2,845
Total 7 to 13 years, inclusive.....	2,316	1,979	1,849	1,606	2,695	2,727	3,975	2,282	3,362	2,343	2,900
Number attending school.....	2,245	1,915	1,772	1,567	2,611	2,610	3,740	2,168	3,177	2,263	2,821
Per cent attending school.....	96.9	96.8	95.8	97.6	96.9	95.7	94.3	94.5	94.5	96.6	97.0
Total 14 and 15 years.....	633	604	481	442	741	736	1,013	583	920	699	737
Number attending school.....	557	519	428	387	507	578	905	523	758	598	647
Per cent attending school.....	92.7	85.9	89.0	83.0	80.6	78.5	89.3	89.7	82.4	85.6	87.8
Total 16 and 17 years.....	670	552	470	424	715	727	1,010	592	911	695	700
Number attending school.....	445	388	271	227	338	319	586	353	480	367	452
Per cent attending school.....	66.4	52.2	57.7	53.5	47.3	43.9	58.0	59.6	52.7	52.8	64.5
Total 18 to 20 years, inclusive.....	462	762	694	631	1,024	996	1,397	851	1,427	1,143	1,139
Number attending school.....	264	139	182	114	109	126	264	209	379	196	263
Per cent attending school.....	30.6	18.2	26.2	18.1	10.4	12.7	18.0	24.6	26.6	17.1	23.1
Males 21 years of age and over.....	5,810	4,009	3,921	3,607	5,545	6,163	8,531	5,033	8,052	5,999	6,335
Native white—Native parentage.....	4,082	1,396	1,700	1,367	2,675	2,798	3,722	4,020	3,192	4,681	4,681
Native white—Foreign or mixed parentage.....	1,150	1,826	1,188	1,267	1,953	2,410	1,812	945	2,861	1,848	1,303
Foreign-born white.....	493	784	1,030	969	909	955	1,139	335	1,033	910	395
Naturalized.....	305	630	723	717	678	792	682	279	856	699	320
First papers.....	20	37	120	106	79	30	107	12	54	74	13
Alien.....	24	50	130	85	81	25	199	21	64	78	13
Unknown.....	144	67	57	61	71	108	151	23	119	59	49
Negro.....	85	3	3	4	8		43	31	32	46	4
Indian, Chinese, Japanese, and all other.....									16	3	2
Females 21 years of age and over.....	5,802	3,753	3,383	3,140	5,076	5,845	7,834	4,934	8,816	5,109	6,249
Native white—Native parentage.....	4,187	1,362	1,286	1,244	2,442	2,702	5,252	3,747	4,216	2,726	4,633
Native white—Foreign or mixed parentage.....	1,176	1,747	1,377	1,206	1,940	2,414	1,702	804	3,038	1,720	1,266
Foreign-born white.....	368	643	710	686	693	730	839	272	1,038	652	340
Naturalized.....	243	541	555	566	545	602	533	221	836	550	243
First papers.....	1	4	6	4	12	2	7	3	6	3	1
Alien.....	29	46	116	85	71	50	181	23	71	65	23
Unknown.....	95	52	42	31	65	70	118	25	125	44	79
Negro.....	71	1	1	4	1	2	41	21	21	1	4
Indian, Chinese, Japanese, and all other.....									3		
Males 18 to 44 years, inclusive.....	3,340	2,575	2,785	2,674	3,603	3,833	5,635	3,171	5,814	4,219	4,031
Females 18 to 44 years, inclusive.....	3,564	2,567	2,491	2,300	3,516	3,846	5,396	3,239	5,582	3,472	4,068
ILLITERACY.											
Total 10 years of age and over.....	15,122	10,828	9,971	9,105	14,809	10,018	22,014	13,319	21,544	14,925	16,847
Number illiterate.....	187	132	45	70	126	176	270	123	208	127	106
Per cent illiterate.....	1.2	1.2	0.5	0.8	0.9	1.1	1.2	0.9	1.0	0.9	1.0
Per cent illiterate in 1910.....	2.3	1.6	1.2	1.7	1.4	1.9	1.8	2.2	1.9	0.9	1.7
Native white.....	14,058	9,381	8,172	7,389	12,970	14,308	19,773	12,624	19,287	13,221	16,084
Number illiterate.....	82	35	24	25	59	93	107	72	78	71	106
Per cent illiterate.....	0.6	0.4	0.3	0.3	0.5	0.6	0.5	0.6	0.4	0.5	0.7
Foreign-born white.....	878	1,443	1,704	1,706	1,628	1,707	2,128	623	2,170	1,634	750
Number illiterate.....	63	97	20	44	67	83	150	47	124	51	58
Per cent illiterate.....	7.2	6.7	1.1	2.6	4.1	4.9	7.5	7.5	5.7	3.1	7.7
Negro.....	186	4	5	10	11	3	113	72	65	67	11
Number illiterate.....	42		1	1			4	4	1	4	2
Per cent illiterate.....	22.6						3.5				
Total 16 to 20 years, inclusive.....	1,532	1,314	1,164	1,055	1,739	1,723	2,407	1,443	2,338	1,838	1,908
Number illiterate.....	2			5	2	6	8	4	5	7	6
Per cent illiterate.....	0.1			0.5	0.1	0.3	0.3	0.3	0.2	0.4	0.3
Illiterate males 21 years of age and over.....	116	64	23	32	69	90	138	59	78	77	94
Per cent of all males 21 years of age and over.....	2.0	1.6	0.6	0.9	1.2	1.5	1.6	1.2	1.0	1.3	1.5
Native white.....	53	26	12	13	33	51	61	37	33	46	65
Foreign-born white.....	40	38	10	19	36	39	77	19	43	26	23
Negro.....	23		1					3		4	1
Illiterate females 21 years of age and over.....	68	67	20	30	55	77	122	57	123	42	63
Per cent of all females 21 years of age and over.....	1.2	1.8	0.6	1.0	1.1	1.3	1.6	1.2	1.5	0.8	1.0
Native white.....	27	8	10	5	24	33	39	30	38	19	32
Foreign-born white.....	23	59	10	24	31	44	79	26	81	23	30
Negro.....	18		1				4	1	1		1
DWELLINGS AND FAMILIES.											
Dwellings, number.....	4,508	3,108	2,957	2,729	4,284	4,907	6,728	4,164	6,401	4,273	5,477
Families, number.....	4,596	3,204	3,049	2,777	4,527	4,995	7,001	4,344	6,696	4,432	5,677

1 Less than one-tenth of 1 per cent.

COMPOSITION AND CHARACTERISTICS.

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

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

SUBJECT.	Kossuth.	Lea.	Linn.	Louisa.	Lucas.	Lyon.	Madison.	Mahaska.	Marion.	Marshall.	Mills.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population	25,082	39,676	74,004	12,179	15,686	15,431	15,020	26,270	24,057	32,630	15,422
Male	13,175	20,139	30,890	6,275	8,087	8,130	7,734	13,211	12,851	16,626	7,873
Female	11,907	19,537	37,114	5,904	7,599	7,301	7,286	13,059	12,103	16,004	7,549
Native white	22,237	35,786	65,575	11,843	14,700	12,426	14,607	24,311	22,760	29,091	14,700
Male	11,568	18,051	32,351	5,078	7,563	6,331	7,523	12,164	11,601	15,201	7,519
Female	10,669	17,735	33,194	5,765	7,233	6,095	7,144	12,147	11,168	14,790	7,241
Native white—Native parentage	12,882	20,022	47,324	10,185	12,825	5,414	13,044	20,001	17,702	23,179	12,541
Native white—Foreign parentage	5,456	5,184	11,216	797	1,080	4,493	755	2,347	2,050	3,973	1,150
Native white—Mixed parentage	3,799	3,680	7,035	861	891	2,519	868	1,963	2,041	2,839	1,069
Foreign-born white	2,837	2,467	7,711	327	844	2,989	345	1,604	2,006	2,370	605
Male	1,604	1,349	4,139	190	496	1,791	205	801	1,185	1,278	326
Female	1,233	1,118	3,572	137	348	1,198	140	743	881	1,092	279
Negro	8	1,417	704	9	46	15	8	352	122	264	57
Male	3	735	359	6	28	8	6	183	68	142	28
Female	5	682	345	2	18	7	2	169	54	122	29
Indian, Chinese, Japanese, and all other (see Tables 1 and 7)		6	14	1		1		3		5	
Per cent native white	88.7	90.2	88.6	97.2	94.3	80.5	97.6	92.5	91.2	91.9	95.7
Per cent foreign-born white	11.3	6.2	10.4	2.7	5.4	19.4	2.3	6.1	8.3	7.3	3.9
Per cent Negro	(1)	3.6	1.0	0.1	0.3	0.1	0.1	1.3	0.5	0.8	0.4
1910: Total population	21,971	36,702	60,720	12,855	13,462	14,624	15,021	29,660	22,995	30,279	15,811
Native white	18,604	32,340	52,899	12,318	12,688	11,447	15,051	26,685	20,756	28,948	14,862
Foreign-born white	3,461	2,884	7,558	519	691	3,172	548	2,493	2,146	3,183	902
Negro	6	1,471	258	17	83	4	5	677	93	148	47
Per cent native white	84.2	88.1	87.1	95.8	94.3	78.3	90.4	89.4	90.3	89.0	94.0
Per cent foreign-born white	15.8	7.9	12.4	4.0	5.1	21.7	3.5	8.3	9.3	10.5	5.7
Per cent Negro	(1)	4.0	0.4	0.1	0.6	(1)	(1)	2.3	0.4	0.5	0.3
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age	4,426	5,096	9,380	1,750	2,419	2,715	2,153	3,474	3,669	4,500	2,213
Total 7 to 13 years, inclusive	3,920	4,592	8,868	1,705	2,330	2,427	2,102	3,497	3,491	4,268	2,319
Number attending school	3,549	4,703	8,247	1,481	2,252	2,298	2,041	3,204	3,347	4,131	2,129
Per cent attending school	90.5	96.1	93.0	86.9	96.7	94.7	97.1	93.3	95.9	96.8	91.8
Total 14 and 15 years	1,044	1,304	2,485	452	610	710	589	991	945	1,102	699
Number attending school	837	1,121	2,212	385	537	552	534	814	804	951	594
Per cent attending school	80.2	86.0	89.0	85.2	88.0	77.7	90.8	82.1	85.1	86.0	85.0
Total 16 and 17 years	1,033	1,314	2,509	462	610	638	550	1,031	915	1,127	635
Number attending school	500	562	1,292	266	329	242	337	545	507	620	329
Per cent attending school	48.4	42.8	51.5	57.6	53.9	37.9	51.3	52.7	55.4	55.0	51.8
Total 18 to 20 years, inclusive	1,449	1,979	3,768	628	806	902	710	1,400	1,337	1,622	864
Number attending school	264	316	778	128	150	112	104	327	307	338	236
Per cent attending school	18.2	16.0	20.6	20.4	18.6	12.4	23.1	23.4	23.0	20.8	27.3
Males 21 years of age and over	7,084	12,837	23,427	3,715	4,608	4,384	4,631	7,985	7,618	10,288	4,416
Native white—Native parentage	2,717	7,390	13,344	2,833	3,411	1,023	3,740	5,692	4,883	6,549	3,306
Native white—Foreign or mixed parentage	2,818	3,657	5,065	690	701	1,764	683	1,354	1,613	2,398	778
Foreign-born white	1,548	1,260	3,858	189	478	1,596	204	807	1,082	1,233	313
Naturalized	1,091	871	2,554	140	288	1,040	139	528	605	911	223
First papers	155	57	489	20	35	229	12	60	102	95	17
Alien	121	269	557	13	65	255	27	109	185	110	20
Unknown	181	63	258	16	90	72	26	110	190	117	63
Negro	1	526	251	2	18	1	4	130	40	84	19
Indian, Chinese, Japanese, and all other		4	9	1				2		4	
Females 21 years of age and over	6,126	12,254	23,558	3,467	4,303	3,655	4,236	7,889	6,982	9,743	4,276
Native white—Native parentage	2,385	6,979	13,418	2,694	3,395	992	3,547	5,700	4,950	6,209	3,242
Native white—Foreign or mixed parentage	2,571	3,825	6,614	638	673	1,638	600	1,369	1,513	2,397	761
Foreign-born white	1,168	999	2,301	134	322	1,054	137	688	795	1,067	260
Naturalized	901	724	2,334	108	216	727	101	460	489	824	188
First papers	8	32	50	1	1	7		2	8	10	2
Alien	136	100	578	16	54	208	16	119	193	131	17
Unknown	123	77	339	9	51	52	20	111	105	92	59
Negro	2	449	222	1	13	1	2	112	24	80	17
Indian, Chinese, Japanese, and all other		2	3								
Males 18 to 44 years, inclusive	5,204	8,332	15,845	2,309	3,032	3,315	2,861	5,087	5,069	6,484	3,065
Females 18 to 44 years, inclusive	4,737	8,027	16,459	2,217	2,889	2,900	2,787	5,191	4,642	6,530	3,164
ILLITERACY.											
Total 10 years of age and over	18,925	32,463	60,707	9,690	12,265	11,657	11,956	21,307	19,743	26,234	12,242
Number illiterate	122	595	806	75	183	33	63	219	206	350	797
Per cent illiterate	0.6	1.8	1.3	0.8	1.5	0.3	0.5	1.0	1.3	1.3	6.5
Per cent illiterate in 1910	1.3	2.2	1.3	1.3	3.3	1.0	1.5	2.1	2.4	1.3	8.0
Native white	16,105	28,875	52,493	9,358	11,890	8,690	11,005	19,420	17,024	23,648	11,590
Number illiterate	29	265	222	50	104	18	45	113	154	181	787
Per cent illiterate	0.2	0.9	0.4	0.6	0.9	0.2	0.4	0.6	0.9	0.8	6.5
Foreign-born white	2,814	2,394	7,024	326	833	2,955	345	1,588	2,030	2,360	604
Number illiterate	93	209	538	17	76	15	18	48	96	133	34
Per cent illiterate	3.3	8.7	7.1	5.2	8.9	0.5	5.2	3.0	4.7	5.6	5.6
Negro	6	1,188	576	5	37	12	6	296	89	221	48
Number illiterate		117	45	2	4			53	16	35	6
Per cent illiterate		9.8	7.8					17.0		15.8	
Total 16 to 20 years, inclusive	2,482	3,293	6,277	1,090	1,416	1,540	1,200	2,434	2,252	2,749	1,499
Number illiterate	2	21	23	2	5	2	2	3	5	7	80
Per cent illiterate	0.1	0.6	0.4	0.2	0.4	0.1	0.2	0.1	0.2	0.3	5.3
Illiterate males 21 years of age and over	57	319	381	41	111	15	37	126	148	184	352
Per cent of all males 21 years of age and over	0.8	2.5	1.6	1.1	2.4	0.3	0.8	1.6	1.9	1.8	8.0
Native white	17	155	116	32	80	9	24	74	88	107	333
Foreign-born white	40	103	247	8	41	6	13	24	49	50	16
Negro	60	59	17	1	1			28	11	17	3
Illiterate females 21 years of age and over	60	242	398	29	67	12	24	85	103	156	286
Per cent of all females 21 years of age and over	1.0	2.0	1.7	0.8	1.6	0.3	0.6	1.1	1.5	1.6	6.7
Native white	7	91	96	20	31	4	19	36	53	67	263
Foreign-born white	53	92	274	9	33	8	5	24	45	72	15
Negro		57	28		3			25	5	17	3
DWELLINGS AND FAMILIES.											
Dwellings, number	5,268	9,438	17,915	3,042	3,799	3,168	3,805	6,517	6,237	7,621	3,302
Families, number	5,384	10,114	19,021	3,130	3,917	3,251	3,005	6,766	6,370	8,035	3,364

1 Less than one-tenth of 1 per cent.

POPULATION—IOWA.

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

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

SUBJECT.	Mitchell.	Monona.	Monroe.	Montgomery.	Muscatine.	O'Brien.	Osceola.	Page.	Palo Alto.	Plymouth.	Pocahontas.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	13,921	17,125	23,487	17,048	28,042	19,051	10,223	24,137	15,486	23,584	15,602
Male.....	7,070	8,918	12,270	8,659	14,676	9,908	5,367	12,113	8,134	12,305	8,055
Female.....	6,851	8,207	11,197	8,389	14,366	9,143	4,856	12,024	7,352	11,279	7,547
Native white.....	12,456	15,601	19,389	15,375	26,386	16,246	8,559	22,514	13,820	20,578	14,039
Male.....	6,244	8,059	9,941	7,735	13,198	8,316	4,576	11,205	7,187	10,600	7,118
Female.....	6,212	7,542	9,448	7,640	13,188	7,930	4,283	11,309	6,633	9,978	6,921
Native white—Native parentage.....	7,889	11,223	13,947	11,554	18,345	9,147	5,082	18,662	8,646	11,741	8,724
Native white—Foreign parentage.....	2,774	2,595	3,387	2,266	4,620	4,250	2,362	2,196	3,021	5,258	3,140
Native white—Mixed parentage.....	1,793	1,783	2,055	1,555	2,921	2,849	1,415	1,656	2,153	3,579	2,145
Foreign-born white.....	1,456	1,511	2,425	1,612	2,543	2,784	1,357	1,368	1,665	3,006	1,690
Male.....	820	852	1,424	888	1,416	1,576	771	771	946	1,705	894
Female.....	636	659	1,001	730	1,127	1,208	571	597	719	1,301	856
Negro.....	7	8	1,652	54	107	18	7	250	—	—	2
Male.....	4	6	904	35	57	13	5	135	—	—	2
Female.....	3	2	748	19	50	5	2	115	—	—	—
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	2	5	1	1	6	3	—	5	1	—	1
Per cent native white.....	89.5	91.1	82.6	90.2	90.9	85.3	86.7	93.3	89.2	87.3	89.8
Per cent foreign-born white.....	10.5	8.8	10.3	9.5	8.8	14.6	13.3	5.7	10.8	12.7	10.2
Per cent Negro.....	0.1	(¹)	7.0	0.3	0.4	0.1	0.1	1.0	—	—	(¹)
1910: Total population.....											
Native white.....	13,435	16,633	25,420	16,604	29,505	17,262	8,956	24,002	13,845	23,129	14,808
Foreign-born white.....	11,576	14,633	19,786	14,402	25,997	14,337	7,618	21,891	11,775	18,825	12,034
Negro.....	1,854	2,000	3,272	2,154	3,370	2,020	1,432	1,849	2,006	4,294	2,138
Per cent native white.....	86.2	88.0	77.8	86.7	88.1	83.1	83.0	91.2	85.0	81.4	85.5
Per cent foreign-born white.....	13.8	12.0	12.9	13.0	11.4	16.9	16.0	7.7	14.9	18.6	14.4
Per cent Negro.....	(¹)	—	9.3	0.3	0.5	(¹)	0.1	1.1	(¹)	(¹)	(¹)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	2,015	2,859	3,372	2,338	3,730	2,998	1,894	3,259	2,611	3,872	2,542
Total 7 to 13 years, inclusive.....	1,803	2,024	3,328	2,351	3,633	2,570	1,628	3,134	2,340	3,538	2,315
Number attending school.....	1,758	2,490	3,520	2,286	3,476	2,487	1,473	3,025	2,205	3,305	2,212
Per cent attending school.....	94.4	93.8	92.2	95.1	95.7	96.8	96.4	96.5	94.2	95.1	95.5
Total 14 and 15 years.....	496	658	993	659	941	761	389	863	648	898	600
Number attending school.....	439	530	841	581	792	613	323	759	557	738	543
Per cent attending school.....	88.5	80.5	84.7	88.2	84.2	80.6	83.0	87.9	86.0	82.2	89.2
Total 16 and 17 years.....	496	641	961	611	972	702	393	834	648	870	619
Number attending school.....	284	296	426	351	406	335	173	491	373	410	379
Per cent attending school.....	57.3	46.2	44.3	57.4	41.8	47.7	44.0	58.9	57.6	47.1	61.2
Total 18 to 20 years, inclusive.....	769	943	1,208	837	1,405	1,103	666	1,201	899	1,291	875
Number attending school.....	158	156	155	104	203	212	87	233	175	196	163
Per cent attending school.....	20.5	16.5	12.8	19.6	14.4	19.2	15.4	19.4	19.5	15.2	18.0
Males 21 years of age and over.....	4,234	4,982	6,809	5,238	9,298	5,802	2,943	7,547	4,495	6,983	4,602
Native white—Native parentage.....	1,768	2,837	3,498	3,106	5,086	2,198	1,110	5,212	1,872	2,492	1,965
Native white—Foreign or mixed parentage.....	1,672	1,301	1,407	1,247	2,818	2,102	1,101	1,481	1,702	2,831	1,735
Foreign-born white.....	788	835	1,314	859	1,355	1,491	728	760	920	1,600	901
Naturalized.....	548	694	700	669	1,039	1,084	402	503	717	1,285	693
First papers.....	61	60	151	30	74	184	99	22	60	138	80
Alien.....	70	55	282	42	129	206	121	42	49	136	55
Unknown.....	79	29	181	118	113	37	16	193	94	91	93
Negro.....	4	6	589	25	34	8	4	92	—	—	—
Indian, Chinese, Japanese, and all other.....	2	—	1	1	6	3	—	2	1	—	1
Females 21 years of age and over.....	4,048	4,418	5,796	5,014	9,063	5,115	2,510	7,299	3,845	6,132	4,089
Native white—Native parentage.....	1,759	2,554	3,243	3,077	5,055	2,021	1,014	5,225	1,669	2,208	1,807
Native white—Foreign or mixed parentage.....	1,075	1,212	1,219	1,227	2,921	1,969	978	1,423	1,498	2,607	1,596
Foreign-born white.....	612	649	915	698	1,049	1,124	516	578	658	1,257	636
Naturalized.....	431	558	565	553	834	907	374	358	530	1,061	522
First papers.....	5	13	—	—	3	7	8	1	2	14	5
Alien.....	94	58	237	49	124	191	116	23	103	109	47
Unknown.....	82	2	110	98	85	19	18	196	107	75	64
Negro.....	2	—	419	12	34	1	2	72	—	—	—
Indian, Chinese, Japanese, and all other.....	—	1	—	—	1	—	—	—	—	—	—
Males 18 to 44 years, inclusive.....	2,751	3,590	4,603	3,358	5,822	4,143	2,259	4,707	3,206	4,926	3,302
Females 18 to 44 years, inclusive.....	2,743	3,260	4,202	3,313	5,883	3,837	1,993	4,706	2,891	4,652	3,064
ILLITERACY.											
Total 10 years of age and over.....	11,128	13,097	17,918	13,695	23,711	14,906	7,631	19,504	11,883	18,130	12,017
Number illiterate.....	90	98	589	83	276	101	53	227	73	161	41
Per cent illiterate.....	0.8	0.7	3.3	0.6	1.2	0.7	0.8	1.2	0.7	0.9	0.3
Per cent illiterate in 1910.....	0.8	1.8	3.4	1.8	1.5	0.4	0.4	2.2	1.4	1.4	1.8
Native white.....	9,670	11,577	14,175	12,042	21,089	12,131	6,285	17,926	10,205	15,135	10,440
Number illiterate.....	22	70	108	33	135	20	21	159	29	53	14
Per cent illiterate.....	0.2	0.6	1.2	0.3	0.6	0.2	0.3	0.9	0.3	0.4	0.1
Foreign-born white.....	1,450	1,508	2,408	1,609	2,524	2,759	1,840	1,364	1,657	2,995	1,576
Number illiterate.....	67	27	252	45	132	79	37	43	49	108	27
Per cent illiterate.....	4.6	1.8	10.5	2.8	5.2	2.9	2.3	3.2	3.0	3.6	1.7
Negro.....	6	8	1,331	43	92	13	6	210	—	—	—
Number illiterate.....	1	—	160	5	7	—	—	23	—	—	—
Per cent illiterate.....	—	—	12.7	—	—	—	—	11.0	—	—	—
Total 16 to 20 years, inclusive.....	1,285	1,534	2,169	1,448	2,377	1,805	959	2,035	1,547	2,161	1,494
Number illiterate.....	2	3	17	—	10	4	3	4	4	10	—
Per cent illiterate.....	0.2	0.2	0.8	—	0.4	0.2	0.3	0.2	0.3	0.5	—
Illiterate males 21 years of age and over.....	47	53	340	42	149	47	27	120	42	66	16
Per cent of all males 21 years of age and over.....	1.1	1.1	5.0	0.8	1.6	0.8	0.9	1.6	0.9	0.9	0.3
Native white.....	12	44	108	26	90	4	13	90	19	23	3
Foreign-born white.....	34	12	130	14	53	41	14	17	23	43	13
Negro.....	1	—	102	2	5	—	—	12	—	—	—
Illiterate females 21 years of age and over.....	39	35	222	41	109	46	27	97	39	77	22
Per cent of all females 21 years of age and over.....	1.0	0.8	3.8	0.8	1.2	0.9	1.1	1.3	0.8	1.3	0.5
Native white.....	6	19	47	7	35	9	5	59	4	15	8
Foreign-born white.....	33	15	118	31	71	37	22	28	25	62	14
Negro.....	—	—	57	3	2	—	—	11	—	—	—
DWELLINGS AND FAMILIES.											
Dwellings, number.....	3,386	3,975	5,371	4,109	7,315	4,374	2,156	5,632	3,347	5,203	3,506
Families, number.....	3,448	4,053	5,512	4,305	7,770	4,449	2,188	5,866	3,415	5,279	3,565

¹ Less than one-tenth of 1 per cent.

COMPOSITION AND CHARACTERISTICS.

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

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

SUBJECT.	Polk.	Pottawattamie.	Poweshiek.	Ringgold.	Sac.	Scott.	Shelby.	Sioux.	Story.	Tama.	Taylor.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	154,029	61,550	19,910	12,919	17,500	73,952	16,065	26,458	26,185	21,861	15,514
Male.....	77,043	31,484	10,021	6,656	8,942	37,911	8,345	13,684	13,194	11,251	7,760
Female.....	76,986	30,066	9,889	6,263	8,558	36,041	7,720	12,774	12,991	10,610	7,754
Native white.....	134,517	54,545	18,527	12,657	15,728	63,191	13,682	20,587	23,786	19,021	15,159
Male.....	66,338	27,568	9,262	6,504	7,931	31,994	6,927	10,425	11,873	9,719	7,672
Female.....	68,179	26,977	9,265	6,153	7,797	31,197	6,755	10,162	11,913	9,311	7,587
Native white—Native parentage.....	104,379	39,051	14,608	11,540	10,388	37,511	7,635	8,441	17,397	12,140	13,604
Native white—Foreign parentage.....	18,138	9,362	2,161	538	3,161	16,380	3,816	8,025	3,596	4,327	619
Native white—Mixed parentage.....	12,000	6,132	1,758	579	2,179	9,350	2,231	4,121	2,793	2,554	846
Foreign-born white.....	13,003	6,388	1,321	262	1,730	9,999	2,375	5,857	2,345	2,405	321
Male.....	7,090	3,572	724	152	983	5,475	1,413	3,249	1,295	1,355	174
Female.....	5,913	2,816	597	110	747	4,524	962	2,608	1,050	1,112	147
Negro.....	5,837	612	52	23	23	745	7	14	51	25	54
Male.....	2,947	341	25	13	13	425	4	10	23	14	14
Female.....	2,890	271	27	10	10	320	3	4	28	11	20
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	72	5	10	.....	19	17	1	.....	3	350	.....
Per cent native white.....	87.3	88.6	93.1	98.0	89.9	85.4	85.2	77.8	90.8	87.0	97.7
Per cent foreign-born white.....	8.8	10.4	6.6	2.0	9.9	13.5	14.8	22.1	9.0	11.3	2.1
Per cent Negro.....	3.8	1.0	0.3	.....	0.1	1.0	(1)	0.1	0.2	0.1	0.2
1910: Total population.....	110,438	55,832	19,589	12,904	16,555	60,000	16,552	25,248	24,083	22,156	16,312
Native white.....	98,892	47,589	17,975	12,500	14,397	48,143	13,493	18,451	21,154	18,622	15,801
Foreign-born white.....	12,980	7,762	1,558	304	2,225	11,272	3,052	6,795	2,918	3,303	450
Negro.....	8,591	353	55	30	30	572	7	8	8	33	61
Per cent native white.....	88.0	85.3	91.8	97.6	86.4	80.2	81.5	73.1	87.8	83.6	96.0
Per cent foreign-born white.....	11.7	13.9	8.0	2.4	13.4	18.8	18.4	26.9	12.1	14.9	2.8
Per cent Negro.....	3.3	0.6	0.3	(1)	0.2	1.0	(1)	(1)	(1)	0.1	0.4
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	10,481	8,899	2,780	1,939	2,788	8,845	2,782	4,821	3,835	3,177	2,067
Total 7 to 13 years, inclusive.....	18,121	8,190	2,704	2,020	2,425	8,733	2,385	4,245	3,501	2,953	2,016
Number attending school.....	17,543	7,777	2,450	1,913	2,146	8,408	2,180	3,980	3,384	2,795	2,085
Per cent attending school.....	96.8	94.0	90.6	94.7	88.5	96.2	91.7	92.7	96.7	94.6	94.1
Total 14 and 15 years.....	4,800	2,169	723	496	597	2,265	623	1,106	911	814	546
Number attending school.....	4,441	1,874	642	439	490	1,890	475	726	527	604	480
Per cent attending school.....	91.4	86.8	88.8	88.5	78.6	83.4	76.2	65.6	60.8	85.3	87.9
Total 16 and 17 years.....	5,149	2,241	705	516	627	2,337	584	1,099	955	779	593
Number attending school.....	2,816	1,014	400	325	275	879	247	391	624	389	333
Per cent attending school.....	54.7	45.2	56.7	63.0	43.9	37.6	42.3	35.6	65.3	49.9	56.1
Total 18 to 20 years, inclusive.....	8,177	3,280	1,076	706	940	3,508	853	1,607	1,306	1,183	764
Number attending school.....	1,872	425	294	159	158	545	114	207	450	247	160
Per cent attending school.....	22.9	13.0	27.3	22.5	16.8	15.5	13.4	13.7	32.2	21.2	20.9
Males 21 years of age and over.....	49,771	19,019	5,985	3,780	5,314	24,977	4,711	7,212	7,890	6,748	4,680
Native white—Native parentage.....	30,996	10,451	3,870	3,113	2,521	10,120	1,570	1,525	4,488	2,951	3,915
Native white—Foreign or mixed parentage.....	9,530	4,882	1,408	499	1,821	9,283	1,785	2,809	2,123	2,374	582
Foreign-born white.....	7,169	3,432	679	148	949	5,264	1,352	2,873	1,270	1,309	173
Naturalized.....	4,203	2,279	479	102	740	3,088	1,085	1,844	855	989	107
First papers.....	763	258	57	9	79	583	87	829	88	116	8
Alien.....	1,400	453	71	8	91	576	84	584	145	101	4
Unknown.....	713	442	72	20	39	417	146	116	184	103	54
Negro.....	2,019	252	18	.....	10	295	3	5	17	9	10
Indian, Chinese, Japanese, and all other.....	57	2	10	.....	13	15	1	.....	3	105	.....
Females 21 years of age and over.....	48,470	17,750	5,931	3,482	4,809	23,284	4,127	6,468	7,691	6,227	4,678
Native white—Native parentage.....	30,906	9,852	4,010	2,977	2,357	9,173	1,523	1,432	4,473	2,553	3,917
Native white—Foreign or mixed parentage.....	10,329	5,041	1,353	401	1,721	9,500	1,687	2,763	2,181	2,207	605
Foreign-born white.....	5,380	2,678	552	104	723	4,299	915	2,272	1,020	1,074	142
Naturalized.....	3,504	1,965	400	84	629	3,229	609	1,585	688	857	94
First papers.....	67	8	4	1	2	42	1	9	10	16	.....
Alien.....	1,210	299	77	5	68	560	78	595	132	94	4
Unknown.....	549	406	71	14	24	468	167	83	100	108	44
Negro.....	1,851	133	16	.....	6	222	2	1	17	8	14
Indian, Chinese, Japanese, and all other.....	4	2	.....	.....	2	.....	.....	.....	.....	85	.....
Males 18 to 44 years, inclusive.....	35,877	13,230	3,934	2,454	3,770	17,384	3,301	5,424	5,399	4,526	2,897
Females 18 to 44 years, inclusive.....	36,753	12,985	4,074	2,428	3,548	16,489	3,096	5,028	5,375	4,363	3,042
ILLITERACY.											
Total 10 years of age and over.....	128,649	49,008	15,944	10,099	13,620	61,347	12,176	19,788	20,833	17,875	12,517
Number illiterate.....	1,720	506	163	69	85	683	66	206	100	249	73
Per cent illiterate.....	1.4	1.0	1.0	0.7	0.6	1.1	0.5	1.0	0.5	1.4	0.6
Per cent illiterate in 1910.....	2.1	2.3	1.6	1.0	1.1	1.0	0.6	1.6	1.7	1.5	1.4
Native white.....	108,248	42,187	14,585	9,837	11,893	50,806	9,813	14,039	18,453	14,631	12,165
Number illiterate.....	388	114	61	58	30	122	13	34	68	55	65
Per cent illiterate.....	0.4	0.3	0.4	0.6	0.3	0.2	0.1	0.2	0.3	0.4	0.5
Foreign-born white.....	13,433	6,340	1,304	262	1,717	9,907	2,355	5,717	2,382	2,458	320
Number illiterate.....	1,024	342	100	11	45	510	53	171	42	142	6
Per cent illiterate.....	7.6	5.4	7.7	4.2	2.6	5.1	2.2	3.0	1.8	5.8	1.9
Negro.....	4,897	528	45	22	617	6	12	45	21	32	2
Number illiterate.....	302	50	2	4	60	.....	.....	.....	.....	.....	.....
Per cent illiterate.....	6.2	9.5	.....	.....	8.1	.....	.....	.....	.....	.....	.....
Total 16 to 20 years, inclusive.....	13,328	5,621	1,781	1,222	1,567	5,845	1,487	2,606	2,351	1,942	1,327
Number illiterate.....	53	24	6	1	6	18	4	5	6	1	1
Per cent illiterate.....	0.4	0.4	0.3	0.1	0.4	0.3	0.3	0.2	0.3	0.1	0.1
Illiterate males 21 years of age and over.....	872	310	97	47	38	337	29	91	44	117	40
Per cent of all males 21 years of age and over.....	1.8	1.6	1.6	1.3	0.7	1.3	0.6	1.3	0.6	1.7	0.9
Native white.....	216	62	38	42	13	62	9	15	25	37	37
Foreign-born white.....	503	220	68	5	21	251	20	75	19	59	3
Negro.....	148	28	1	.....	.....	.....	.....	.....	.....	.....	.....
Illiterate females 21 years of age and over.....	784	161	59	21	37	316	32	100	41	131	32
Per cent of all females 21 years of age and over.....	1.6	0.9	1.0	0.6	0.3	1.4	0.8	1.5	0.5	2.1	0.7
Native white.....	135	30	20	15	11	47	1	9	19	18	27
Foreign-born white.....	477	101	38	6	22	245	31	91	22	83	3
Negro.....	151	21	1	.....	3	24	.....	.....	.....	.....	2
DWELLINGS AND FAMILIES.											
Dwellings, number.....	33,196	14,235	4,878	3,151	4,082	18,065	3,643	5,564	6,344	5,456	4,086
Families, number.....	37,859	14,825	5,039	3,192	4,180	18,485	3,682	5,643	6,664	5,609	4,074

1 Less than one-tenth of 1 per cent.

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

(Per cent not shown where base is less than 100.)

SUBJECT.	Union.	Van Buren.	Wapello.	Warren.	Washington.	Wayne.	Webster.	Winnebago.	Winne- shiek.	Wood- bury.	Worth.	Wright.
COLOR OR RACE, NATIVITY, AND SEX.												
Total population.....	17,268	14,060	37,837	18,047	20,421	15,378	37,611	13,489	22,091	92,171	11,630	20,348
Male.....	8,738	7,107	19,199	9,133	10,334	7,808	19,443	7,058	11,277	48,523	6,148	10,672
Female.....	8,530	6,953	18,738	8,914	10,087	7,570	18,168	6,431	10,814	43,648	5,482	9,776
Native white.....	10,327	13,775	35,516	17,548	19,542	15,091	32,400	11,376	19,501	78,051	9,907	18,034
Male.....	8,226	6,956	17,374	8,849	9,888	7,644	16,552	5,839	9,890	40,231	5,150	9,235
Female.....	8,101	6,819	17,642	8,699	9,654	7,447	15,908	5,537	9,611	37,820	4,757	8,799
Native white—Native parentage.....	13,743	12,617	29,732	15,825	16,443	14,174	20,489	5,523	10,530	52,440	5,090	11,743
Native white—Foreign parentage.....	1,441	504	3,243	799	1,700	425	7,576	3,397	5,503	16,211	2,864	3,623
Native white—Mixed parentage.....	1,143	754	2,541	924	1,399	492	4,395	2,460	3,468	9,394	1,947	2,668
Foreign-born white.....	880	236	1,844	486	770	281	4,748	2,100	2,587	12,878	1,634	2,307
Male.....	475	126	1,011	279	411	160	2,685	1,212	1,385	7,576	946	1,332
Female.....	405	110	833	207	359	121	2,063	888	1,202	5,302	688	975
Negro.....	59	49	571	11	108	6	399	12	3	1,147	89	5
Male.....	35	25	309	4	54	4	203	6	2	650	52	2
Female.....	24	24	262	7	54	2	196	6	1	497	37	2
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	2		6	2	1		4	1		95		2
Per cent native white.....	94.6	98.0	93.6	97.2	95.7	98.1	86.3	84.3	88.3	84.7	85.2	88.6
Per cent foreign-born white.....	5.1	1.7	4.9	2.7	3.8	1.8	12.6	15.6	11.7	14.0	14.0	11.3
Per cent Negro.....	0.3	0.3	1.5	0.1	0.5	(¹)	1.1	0.1	(¹)	1.2	0.8	(¹)
1910: Total population.....												
Native white.....	16,616	15,020	37,743	18,194	19,825	16,184	34,629	11,914	21,729	67,616	9,950	17,951
Foreign-born white.....	15,452	14,612	34,428	17,611	18,076	15,655	28,857	9,424	18,017	54,531	7,932	15,395
Negro.....	1,094	348	2,689	536	1,144	612	5,681	2,486	3,694	12,758	2,001	2,675
Per cent native white.....	70	80	62	47	104	9	84	2	18	317	10	4
Per cent foreign-born white.....	93.0	97.3	91.2	96.8	93.7	96.7	83.3	79.1	82.9	80.6	79.7	85.6
Per cent Negro.....	6.6	2.3	7.1	2.9	5.7	3.2	16.4	20.9	17.0	18.9	20.1	14.3
	0.4	0.4	1.7	0.3	0.6	0.1	0.2	(¹)	0.1	0.5	0.2	(¹)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.												
Total under 7 years of age.....	2,276	1,816	5,011	2,701	2,890	2,053	5,793	2,107	3,221	12,989	1,781	3,284
Total 7 to 13 years, inclusive.....	2,261	2,010	5,224	2,445	2,755	2,156	5,083	2,033	3,061	11,003	1,698	2,901
Number attending school.....	2,161	1,926	5,069	2,338	2,685	2,024	4,870	1,957	2,877	10,530	1,602	2,869
Per cent attending school.....	95.6	95.8	97.0	95.6	97.5	93.9	92.0	94.0	94.0	95.7	94.3	96.6
Total 14 and 15 years.....	605	565	1,331	719	761	617	1,341	578	81	2,700	449	745
Number attending school.....	547	538	1,127	637	656	541	1,169	488	618	2,377	401	636
Per cent attending school.....	90.4	95.2	84.7	88.6	86.2	87.7	87.2	83.9	76.2	88.0	89.3	85.4
Total 16 and 17 years.....	626	507	1,389	660	732	601	1,426	622	879	2,060	459	705
Number attending school.....	345	370	871	413	403	372	731	328	375	1,438	283	413
Per cent attending school.....	55.1	73.0	61.1	62.6	55.1	61.9	51.3	52.7	43.7	69.8	60.8	58.9
Total 18 to 20 years, inclusive.....	926	688	1,938	947	1,027	881	1,955	529	1,230	5,067	667	1,048
Number attending school.....	153	180	272	260	248	194	376	169	205	870	123	206
Per cent attending school.....	16.5	26.2	14.0	27.5	24.1	22.0	19.2	20.4	16.7	17.1	18.4	19.7
Males 21 years of age and over.....	5,369	4,237	11,637	5,333	6,192	4,627	11,632	3,920	6,623	31,203	3,553	6,082
Native white—Native parentage.....	3,909	3,588	8,303	4,386	4,481	4,100	5,024	843	1,880	15,929	979	2,938
Native white—Foreign or mixed parentage.....	970	505	2,051	670	1,282	370	3,966	1,898	3,371	7,576	1,881	1,881
Foreign-born white.....	458	125	973	203	398	155	2,540	1,174	1,370	7,152	919	1,260
Naturalized.....	358	102	694	148	325	95	1,661	906	1,083	4,104	634	833
First papers.....	25	7	57	21	19	14	250	109	109	1,078	58	115
Alien.....	29	4	61	58	32	25	386	104	93	1,671	174	172
Unknown.....	46	12	161	36	22	21	252	52	85	260	53	140
Negro.....	30	19	216	4	30	2	141	4	2	503	30	2
Indian, Chinese, Japanese, and all other.....	2		4	1	1		2	1		43		1
Females 21 years of age and over.....	5,205	4,237	11,407	5,242	6,064	4,443	10,331	3,350	6,266	26,219	3,023	5,462
Native white—Native parentage.....	3,760	3,601	8,267	4,393	4,459	3,993	4,461	919	1,813	13,280	849	2,653
Native white—Foreign or mixed parentage.....	1,046	508	2,172	655	1,242	337	3,830	1,561	3,266	7,785	1,488	1,880
Foreign-born white.....	382	108	800	188	334	111	1,919	869	1,186	4,847	667	917
Naturalized.....	312	94	500	125	278	70	1,303	697	960	3,188	474	661
First papers.....	4		6		1		10	7	7	90	6	4
Alien.....	29	6	84	32	37	22	322	119	138	1,318	108	175
Unknown.....	37	8	120	31	18	19	224	43	81	251	79	77
Negro.....	17	20	167	6	29	2	121	1	1	341	19	1
Indian, Chinese, Japanese, and all other.....			1							16		
Males 18 to 44 years, inclusive.....	3,461	2,477	7,476	3,346	3,885	2,999	8,356	2,799	4,373	23,562	2,563	4,293
Females 18 to 44 years, inclusive.....	3,450	2,551	7,798	3,418	3,984	2,980	7,864	2,494	4,133	20,805	2,236	4,033
ILLITERACY.												
Total 10 years of age and over.....	14,048	11,381	30,688	14,299	16,325	12,394	29,588	10,474	17,555	74,294	9,110	15,730
Number illiterate.....	64	75	421	91	65	89	423	79	1,193	1,189	188	69
Per cent illiterate.....	0.5	0.7	1.4	0.6	0.4	0.7	1.4	0.8	1.7	1.6	2.1	0.4
Per cent illiterate in 1910.....	1.0	1.3	2.1	1.0	1.5	1.6	1.8	2.9	4.2	1.6	3.0	1.8
Native white.....	13,121	11,099	28,344	13,816	15,485	12,114	24,590	8,374	14,971	60,443	7,408	13,450
Number illiterate.....	33	61	267	53	42	53	98	28	81	160	22	17
Per cent illiterate.....	0.3	0.5	0.9	0.4	0.3	0.4	0.4	0.3	0.5	0.2	0.3	0.1
Foreign-born white.....	871	235	1,833	470	758	276	4,679	2,092	2,582	12,771	1,627	2,274
Number illiterate.....	27	6	100	32	20	36	297	51	222	1,004	153	62
Per cent illiterate.....	3.1	2.6	5.5	6.8	2.6	13.0	6.3	2.4	8.6	7.9	9.4	2.3
Negro.....	52	47	485	11	81	4	317	7	3	1,004	75	4
Number illiterate.....	4	8	54	1	3		28			25	13	
Per cent illiterate.....			11.1				8.8			2.5		
Total 16 to 20 years, inclusive.....	1,562	1,195	3,327	1,607	1,759	1,482	3,381	1,451	2,109	8,037	1,126	1,814
Number illiterate.....	4	1	15	6	1	3	5	4	1	33	7	2
Per cent illiterate.....	0.3	0.1	0.5	0.4	0.1	0.2	0.1	0.3	(¹)	0.4	0.6	0.1
Illiterate males 21 years of age and over.....	29	43	224	48	31	55	210	22	109	656	98	28
Per cent of all males 21 years of age and over.....	0.5	1.0	1.9	0.9	0.5	1.2	1.8	0.6	1.6	2.1	2.8	0.5
Native white.....	15	38	152	31	24	32	55	7	36	74	11	11
Foreign-born white.....	12	3	38	17	6	23	141	15	73	563	79	17
Negro.....	2	2	34		1		14			17	8	
Per cent of all females 21 years of age and over.....	0.5	0.7	1.6	0.7	0.5	0.7	2.0	1.5	3.1	1.8	2.7	0.7
Native white.....	10	21	100	22	15	18	33	14	44	43	6	4
Foreign-born white.....	15	3	62	13	14	18	155	35	149	427	71	35
Negro.....	2	6	16	1	2		14			6	4	
DWELLINGS AND FAMILIES.												
Dwellings, number.....	4,297	3,732	9,319	4,579	5,222	4,007	8,155	2,774	5,009	18,698	2,558	4,667
Families, number.....	4,493	3,797	9,791	4,683	5,330	4,092	8,853	2,830	5,132	20,973	2,623	4,796

¹ Less than one-tenth of 1 per cent.

COMPOSITION AND CHARACTERISTICS.

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

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

SUBJECT.	CITIES OF 25,000 OR MORE.						
	Cedar Rapids.	Council Bluffs.	Davenport.	Des Moines.	Dubuque.	Sioux City.	Waterloo.
COLOR OR RACE, NATIVITY, AND SEX.							
Total population.....	45,566	36,162	56,727	128,486	39,141	71,227	36,230
Male.....	22,433	18,234	28,656	62,178	18,873	37,568	18,119
Female.....	23,133	17,928	28,071	64,290	20,268	33,659	18,111
Native white.....	39,015	31,571	43,385	109,063	34,842	58,777	32,463
Male.....	18,934	15,074	24,206	53,131	16,581	30,252	15,945
Female.....	20,081	15,897	24,179	56,532	18,261	28,525	16,508
Native white—Native parentage.....	26,067	23,306	29,394	84,361	19,559	38,751	24,175
Native white—Foreign parentage.....	7,790	5,119	12,147	15,266	9,268	13,205	4,594
Native white—Mixed parentage.....	4,558	3,146	6,844	10,036	6,015	6,821	3,684
Foreign-born white.....	5,863	3,988	7,644	11,224	4,221	11,210	2,920
Male.....	3,147	2,225	4,055	6,211	2,244	6,607	1,716
Female.....	2,716	1,763	3,589	5,013	1,977	4,603	1,213
Negro.....	677	598	681	5,512	73	1,139	897
Male.....	344	332	378	2,771	43	643	448
Female.....	333	266	303	2,741	30	496	399
Indian, Chinese, Japanese, and all other (see Table 7).....	11	5	17	69	5	95	11
Per cent native white.....	85.6	87.3	85.3	86.7	89.0	82.5	89.0
Per cent foreign-born white.....	12.9	11.0	13.5	8.9	10.8	15.7	8.1
Per cent Negro.....	1.5	1.7	1.2	4.4	0.2	1.6	2.3
1910: Total population.....	32,811	29,292	43,028	86,368	38,494	47,828	26,093
Native white.....	27,275	24,586	34,351	73,019	32,302	37,094	23,902
Foreign-born white.....	5,321	4,268	8,101	10,395	6,089	10,452	2,706
Negro.....	213	320	599	2,930	99	305	24
Per cent native white.....	83.1	83.9	79.8	84.5	83.9	77.5	80.8
Per cent foreign-born white.....	16.2	14.6	18.8	12.0	15.8	21.9	10.1
Per cent Negro.....	0.6	1.1	1.3	3.4	0.2	0.6	0.1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.							
Total under 7 years of age.....	5,456	4,775	6,247	15,427	5,016	9,331	4,850
Total 7 to 13 years, inclusive.....	5,098	4,432	6,331	14,139	4,498	7,708	4,227
Number attending school.....	4,858	4,190	6,036	13,674	4,109	7,350	4,028
Per cent attending school.....	95.3	94.5	96.3	96.7	92.0	95.4	95.3
Total 14 and 15 years.....	1,425	1,107	1,645	3,826	1,200	1,877	1,050
Number attending school.....	1,305	1,001	1,406	3,513	884	1,609	994
Per cent attending school.....	91.6	90.4	89.1	91.8	73.1	85.9	92.0
Total 16 and 17 years.....	1,518	1,262	1,724	4,117	1,393	2,158	1,090
Number attending school.....	723	567	754	2,223	424	698	562
Per cent attending school.....	47.0	44.9	42.6	54.0	31.1	46.2	51.6
Total 18 to 20 years, inclusive.....	2,303	1,927	2,694	6,754	2,035	3,952	1,924
Number attending school.....	456	264	471	1,531	274	672	343
Per cent attending school.....	19.1	13.7	17.5	23.4	13.5	17.0	17.8
Males 21 years of age and over.....	14,099	11,539	19,368	40,706	12,025	25,169	11,603
Native white—Native parentage.....	7,714	6,717	8,337	25,065	4,422	12,578	7,025
Native white—Foreign or mixed parentage.....	3,837	2,469	6,842	7,851	5,370	5,837	2,717
Foreign-born white.....	2,906	2,117	3,015	5,836	2,194	6,210	1,805
Naturalized.....	1,832	1,258	2,786	3,711	1,663	3,395	851
First papers.....	431	177	412	637	209	884	224
Alien.....	491	384	383	980	181	1,583	356
Unknown.....	152	208	334	508	141	245	174
Negro.....	236	244	259	1,900	28	501	306
Females 21 years of age and over.....	14,977	11,120	18,718	41,490	13,025	21,022	11,366
Native white—Native parentage.....	7,782	6,401	7,627	26,117	4,512	10,231	6,760
Native white—Foreign or mixed parentage.....	4,506	2,889	7,460	8,991	6,582	6,197	3,293
Foreign-born white.....	2,474	1,648	3,419	4,005	1,914	6,177	1,122
Naturalized.....	1,689	1,113	2,563	3,143	1,457	2,663	710
First papers.....	49	6	35	53	5	83	10
Alien.....	508	233	412	967	233	1,227	232
Unknown.....	228	296	409	442	210	204	161
Negro.....	212	180	212	1,782	17	341	220
Males 18 to 44 years, inclusive.....	10,375	8,033	13,533	29,286	8,058	19,229	8,545
Females 18 to 44 years, inclusive.....	10,955	8,173	13,170	31,759	8,961	16,834	8,633
ILLITERACY.							
Total 10 years of age and over.....	37,851	29,392	47,775	104,924	32,125	58,469	29,556
Number illiterate.....	573	444	510	1,305	419	1,089	358
Per cent illiterate.....	1.5	1.5	1.1	1.3	1.3	1.9	1.2
Per cent illiterate in 1910.....	1.4	2.8	1.1	2.0	0.9	1.7	1.4
Native white.....	31,505	24,028	39,618	89,119	27,872	46,276	25,972
Number illiterate.....	91	81	97	309	88	99	74
Per cent illiterate.....	0.3	0.3	0.2	0.3	0.3	0.2	0.3
Foreign-born white.....	5,784	3,944	7,574	11,110	4,193	11,119	2,886
Number illiterate.....	439	314	364	800	331	955	234
Per cent illiterate.....	7.6	8.0	4.8	7.2	7.9	8.6	8.1
Negro.....	551	516	566	4,627	55	998	687
Number illiterate.....	42	49	48	282	.....	25	48
Per cent illiterate.....	7.6	9.5	8.5	6.1	.....	2.5	7.0
Total 16 to 20 years, inclusive.....	3,911	3,189	4,418	10,871	3,398	6,120	3,014
Number illiterate.....	19	20	10	26	11	25	16
Per cent illiterate.....	0.5	0.6	0.2	0.2	0.3	0.4	0.5
Illiterate males 21 years of age and over.....	259	274	244	693	178	604	192
Per cent of all males 21 years of age and over.....	1.8	2.4	1.3	1.7	1.5	2.4	1.6
Native white.....	44	45	45	168	30	49	31
Foreign-born white.....	199	201	177	387	148	536	130
Negro.....	15	28	21	135	.....	17	29
Illiterate females 21 years of age and over.....	293	143	247	654	221	450	144
Per cent of all females 21 years of age and over.....	2.0	1.3	1.3	1.6	1.7	2.1	1.3
Native white.....	43	29	42	114	42	31	30
Foreign-born white.....	223	94	181	394	179	405	96
Negro.....	27	20	24	145	.....	6	18
DWELLINGS AND FAMILIES.							
Dwellings, number.....	10,645	8,278	12,042	27,127	8,173	14,014	8,348
Families, number.....	11,612	8,789	14,388	31,644	9,314	16,234	9,071

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

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

SUBJECT.	CITIES OF 10,000 TO 25,000.										
	Boone.	Burlington.	Clinton.	Fort Dodge.	Fort Madison.	Iowa City.	Keokuk.	Marshalltown.	Mason City.	Muscatine.	Ottumwa.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	12,451	24,057	24,151	19,347	12,066	11,267	14,423	15,731	20,065	16,068	23,003
Male.....	6,280	11,558	12,087	9,764	6,354	5,129	6,980	7,819	10,541	7,910	11,411
Female.....	6,171	12,499	12,064	9,583	5,712	6,138	7,443	7,912	9,524	8,158	11,592
Native white.....	11,130	20,996	20,088	16,733	10,699	10,151	12,645	14,172	17,014	14,303	21,214
Male.....	5,565	10,008	9,913	8,285	5,565	4,591	6,095	6,997	8,611	6,998	10,454
Female.....	5,565	10,988	10,175	8,448	5,134	5,560	6,550	7,175	8,403	7,305	10,760
Native white—Native parentage.....	7,951	13,358	11,988	11,164	8,059	6,863	9,519	10,826	11,822	9,889	17,478
Native white—Foreign parentage.....	1,882	5,000	5,833	3,447	1,601	2,063	1,825	1,970	3,075	2,810	2,134
Native white—Mixed parentage.....	1,297	2,573	2,717	2,122	1,039	1,225	1,301	1,376	2,117	1,604	1,602
Foreign-born white.....	1,227	2,730	3,739	2,237	1,038	1,029	820	1,304	2,065	1,658	1,263
Male.....	659	1,368	2,000	1,287	587	480	417	685	1,706	884	677
Female.....	568	1,362	1,739	950	451	549	403	619	959	774	586
Negro.....	91	322	321	373	328	60	955	250	350	102	521
Male.....	53	177	172	186	201	35	466	132	191	54	275
Female.....	38	145	149	187	127	25	489	118	159	48	246
Indian, Chinese, Japanese, and all other.....	3	9	3	4	1	27	3	5	36	5	5
Per cent native white.....	89.4	87.3	83.2	86.5	88.7	90.1	87.7	90.1	84.8	89.0	92.2
Per cent foreign-born white.....	9.9	11.3	15.5	11.6	8.6	9.1	5.7	8.3	13.3	10.3	5.5
Per cent Negro.....	0.7	1.3	1.3	1.9	2.7	0.5	6.6	1.6	1.7	0.6	2.3
1910: Total population.....	10,347	24,324	25,577	15,543	8,900	10,091	14,008	13,374	11,230	16,178	22,012
Native white.....	8,931	19,978	20,264	13,276	7,925	8,726	11,781	11,816	9,580	13,011	19,732
Foreign-born white.....	1,327	3,938	4,880	2,188	680	1,208	1,210	1,430	1,508	2,145	1,745
Negro.....	86	398	432	73	290	57	1,016	128	142	122	533
Per cent native white.....	86.3	82.1	79.2	85.4	89.0	86.5	84.1	88.4	85.3	86.0	89.0
Per cent foreign-born white.....	12.8	16.2	19.1	14.1	7.6	12.9	8.6	10.7	13.4	13.3	7.9
Per cent Negro.....	0.8	1.6	1.7	0.5	3.3	0.6	7.3	1.0	1.3	0.8	2.4
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	1,496	2,591	2,962	2,808	1,468	1,126	1,016	1,884	2,987	1,890	2,843
Total 7 to 13 years, inclusive.....	1,568	2,518	2,740	2,397	1,395	1,156	1,574	1,907	2,348	1,822	3,021
Number attending school.....	1,529	2,476	2,590	2,174	1,322	1,116	1,527	1,840	2,284	1,741	2,934
Per cent attending school.....	97.5	98.3	94.5	90.7	94.8	96.5	97.0	96.5	97.3	95.0	97.1
Total 14 and 15 years.....	441	702	768	615	345	353	457	495	592	462	733
Number attending school.....	409	643	679	547	301	319	404	427	522	401	612
Per cent attending school.....	92.7	91.6	88.4	88.9	87.2	90.4	88.4	86.3	92.9	86.8	83.5
Total 16 and 17 years.....	493	741	833	682	398	373	478	531	618	523	834
Number attending school.....	299	513	598	342	126	254	211	207	370	200	327
Per cent attending school.....	61.9	42.2	47.8	50.1	34.2	68.1	44.1	55.9	59.9	38.2	39.2
Total 18 to 20 years, inclusive.....	683	1,240	1,217	1,090	610	627	718	821	1,036	795	1,201
Number attending school.....	145	220	234	209	78	258	130	200	238	97	175
Per cent attending school.....	21.2	17.7	19.2	19.2	12.8	41.1	18.1	24.4	23.0	12.2	14.6
Males 21 years of age and over.....	3,902	7,746	7,858	6,083	4,271	3,389	4,562	4,986	6,824	5,183	7,105
Native white—Native parentage.....	2,153	3,567	3,159	3,022	2,509	1,737	2,649	3,183	3,453	2,720	4,901
Native white—Foreign or mixed parentage.....	1,067	2,720	2,005	1,733	1,085	1,136	1,187	1,071	1,623	1,581	1,293
Foreign-born white.....	637	1,335	1,925	1,196	514	471	406	652	1,590	847	655
Naturalized.....	478	1,076	1,470	689	269	379	323	475	534	646	463
First papers.....	42	84	140	163	24	28	20	57	178	48	35
Alien.....	52	76	166	220	211	23	43	80	763	88	39
Unknown.....	65	99	143	124	10	41	20	40	91	65	118
Negro.....	37	120	108	130	162	29	318	76	148	31	192
Females 21 years of age and over.....	3,878	8,519	7,773	5,672	3,609	4,243	5,018	5,107	5,690	5,393	7,266
Native white—Native parentage.....	2,188	3,743	3,029	2,740	2,087	2,182	2,785	3,210	3,074	2,805	5,056
Native white—Foreign or mixed parentage.....	1,122	3,348	2,979	1,747	1,102	1,503	1,497	1,224	1,682	1,778	1,488
Foreign-born white.....	541	1,315	1,676	843	344	536	398	597	827	717	563
Naturalized.....	410	1,037	1,304	630	200	436	312	457	471	570	412
First papers.....	6	31	14	6	13	4	18	5	7	2	5
Alien.....	69	110	153	199	119	39	33	95	304	87	55
Unknown.....	56	137	205	108	12	57	35	40	45	58	91
Negro.....	27	110	88	115	76	19	337	76	104	32	159
Males 18 to 44 years, inclusive.....	2,627	4,828	5,038	4,520	2,965	2,138	2,868	3,271	5,163	3,219	4,644
Females 18 to 44 years, inclusive.....	2,632	5,461	5,148	4,506	2,485	2,712	3,159	3,527	4,535	3,463	5,024
ILLITERACY.											
Total 10 years of age and over.....	10,302	20,377	19,976	15,488	9,973	9,672	12,151	13,001	15,998	13,360	18,854
Number illiterate.....	79	286	254	206	177	81	262	198	327	167	309
Per cent illiterate.....	0.8	1.4	1.3	1.3	1.8	0.8	2.2	1.5	2.0	1.3	1.6
Per cent illiterate in 1910.....	1.8	1.3	1.8	1.5	0.8	1.7	2.8	1.0	3.5	1.7	2.3
Native white.....	8,993	17,363	15,991	13,006	8,722	8,565	10,532	11,490	13,051	11,619	17,149
Number illiterate.....	38	89	93	37	56	25	111	80	17	85	200
Per cent illiterate.....	0.4	0.5	0.6	0.3	0.6	0.3	1.1	0.7	0.1	0.7	1.2
Foreign-born white.....	1,222	2,720	3,718	2,184	970	1,028	819	1,298	2,614	1,049	1,257
Number illiterate.....	35	174	146	143	96	50	66	90	285	73	71
Per cent illiterate.....	2.9	6.4	3.9	6.5	9.9	4.9	8.1	6.9	10.9	4.4	5.6
Negro.....	84	285	264	296	280	57	797	208	292	87	443
Number illiterate.....	3	21	13	26	25	1	83	27	16	7	38
Per cent illiterate.....	.....	7.4	4.9	8.8	8.9	.....	10.4	13.0	5.5	.....	8.6
Total 16 to 20 years, inclusive.....	1,166	1,981	2,050	1,772	978	1,000	1,196	1,352	1,654	1,318	2,035
Number illiterate.....	6	5	14	3	16	2	4	5	9	4	7
Per cent illiterate.....	0.5	0.3	0.7	0.2	1.6	0.2	0.3	0.4	0.5	0.3	0.3
Illiterate males 21 years of age and over.....	40	102	122	103	99	22	120	99	173	94	162
Per cent of all males 21 years of age and over.....	1.0	1.3	1.6	1.7	2.3	0.6	2.6	2.0	2.5	1.8	2.3
Native white.....	17	40	45	18	36	6	57	46	9	58	111
Foreign-born white.....	19	54	70	73	47	14	24	40	148	30	28
Negro.....	1	8	6	12	16	.....	38	12	8	5	23
Illiterate females 21 years of age and over.....	31	173	109	98	58	55	130	91	145	68	137
Per cent of all females 21 years of age and over.....	0.8	2.0	1.4	1.7	1.6	1.3	2.6	1.8	2.5	1.3	1.9
Native white.....	14	42	30	15	15	15	42	29	7	23	79
Foreign-born white.....	15	117	73	69	35	36	42	48	131	42	43
Negro.....	2	12	6	14	8	1	45	14	7	2	15
DWELLINGS AND FAMILIES.											
Dwellings, number.....	2,881	6,214	5,822	3,948	2,626	2,823	3,621	3,860	3,976	4,022	5,608
Families, number.....	3,059	6,547	6,245	4,596	2,991	3,053	3,881	4,225	4,590	4,416	6,032

COMPOSITION AND CHARACTERISTICS.

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

SUBJECT.	Albia.	Algona.	Ames.	Ana- mosa.	Atlan- tic.	Belle Plaine.	Carroll.	Cedar Falls.	Center- ville.	Charl- ton.	Charles City.	Cher- okee.
COLOR OR RACE, NATIVITY, AND SEX.												
Total population.....	5,067	3,724	6,270	2,881	5,329	3,887	4,254	6,316	8,486	5,175	7,350	5,824
Male.....	2,448	1,806	3,040	1,720	2,610	1,983	2,004	2,903	4,297	2,533	3,696	2,036
Female.....	2,619	1,918	3,230	1,161	2,719	1,904	2,250	3,413	4,189	2,642	3,754	2,888
Native white—Native parentage.....	3,579	2,356	4,828	2,144	3,406	2,639	2,277	3,637	6,249	4,081	4,600	3,615
Native white—Foreign or mixed parentage.....	1,018	990	1,051	525	1,208	897	1,463	1,781	1,260	751	2,073	1,466
Foreign-born white.....	386	378	348	144	600	345	490	876	723	300	754	723
Negro.....	84		40	66	23	6	24	16	254	43	22	16
Indian, Chinese, Japanese, and all other.....			3	2	2			6			1	4
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.												
Total under 7 years of age.....	689	472	759	243	538	512	558	628	1,218	627	977	550
Total 7 to 13 years, inclusive.....	702	440	654	287	611	494	505	652	1,197	703	848	520
Number attending school.....	630	426	620	280	594	488	499	624	1,163	684	817	499
Total 14 and 15 years.....	187	138	176	92	171	152	149	197	331	171	229	179
Number attending school.....	167	119	165	70	149	136	134	181	273	151	197	174
Total 16 to 20 years, inclusive.....	420	330	601	386	485	322	355	603	731	436	602	410
Number attending school.....	168	172	354	83	172	104	125	322	219	180	244	109
Males 21 years of age and over.....	1,498	1,136	1,950	1,109	1,727	1,236	1,263	1,955	2,593	1,583	2,321	2,150
Native white—Native parentage.....	974	629	1,413	756	977	753	528	929	1,789	1,102	1,120	1,173
Native white—Foreign or mixed parentage.....	288	316	329	224	417	297	451	571	313	298	803	573
Foreign-born white.....	208	191	192	82	323	185	270	445	387	168	339	307
Naturalized.....	156	163	121	43	230	128	200	341	221	119	309	204
Negro.....	28		13	45	8	1	14	5	77	15	8	5
Females 21 years of age and over.....	1,571	1,208	2,130	764	1,797	1,171	1,424	2,281	2,440	1,655	2,373	1,907
Native white—Native parentage.....	1,091	647	1,532	633	1,092	686	547	1,165	1,783	1,285	1,182	1,088
Native white—Foreign or mixed parentage.....	295	383	440	196	451	330	661	707	331	234	846	596
Foreign-born white.....	162	178	145	34	251	144	210	403	269	123	341	302
Naturalized.....	123	152	97	24	183	114	166	322	144	92	295	143
Negro.....	23		13	1	3	2	6	6	73	13	4	9
ILLITERACY.												
Total 10 years of age and over.....	4,095	3,076	5,222	2,506	4,514	3,146	3,486	5,431	6,759	4,254	5,991	5,052
Number illiterate.....	16	28	27	17	96	43	60	25	261	35	29	177
Native whites 10 years of age and over.....	3,046	2,698	4,841	2,296	3,903	2,799	2,974	4,543	5,834	3,920	5,226	4,313
Number illiterate.....	2	2	22	4	36	16	18	11	100	18	20	62
Foreign-born whites 10 years of age and over.....	385	378	344	142	593	343	488	870	709	300	747	719
Number illiterate.....	14	26	5	8	59	26	42	13	133	14	9	109
Illiterate males 21 years of age and over.....	9	14	11	14	53	23	26	17	148	16	18	110
Illiterate females 21 years of age and over.....	7	14	9	1	32	18	32	6	100	10	8	60
DWELLINGS AND FAMILIES.												
Dwellings, number.....	1,261	900	1,501	531	1,351	963	982	1,035	2,005	1,314	1,784	1,130
Families, number.....	1,324	950	1,717	591	1,468	1,001	1,007	1,073	2,194	1,401	1,970	1,181

SUBJECT.	Clar- inda.	Clarion.	Clear Lake.	Colfax.	Cresco.	Cres- ton.	Decorah.	Denison.	Eagle Grove.	Eldora.	Emmets- burg.	Esther- ville.
COLOR OR RACE, NATIVITY, AND SEX.												
Total population.....	4,511	2,828	2,804	2,504	3,195	8,034	4,039	3,581	4,433	3,189	2,762	4,699
Male.....	2,181	1,459	1,360	1,302	1,402	4,014	1,871	1,719	2,213	1,763	1,353	2,329
Female.....	2,330	1,367	1,444	1,202	1,793	4,020	2,168	1,862	2,220	1,426	1,409	2,370
Native white—Native parentage.....	3,813	1,993	1,696	1,525	1,819	5,976	1,778	1,553	2,426	2,252	1,555	2,860
Native white—Foreign or mixed parentage.....	410	620	738	598	1,043	1,442	1,064	1,321	1,363	661	918	1,314
Foreign-born white.....	111	210	366	285	332	574	595	704	642	290	288	484
Negro.....	177	3	4	86	1	40	2	3		46		38
Indian, Chinese, Japanese, and all other.....						2			2		1	3
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.												
Total under 7 years of age.....	536	414	367	325	364	877	441	404	630	281	340	681
Total 7 to 13 years, inclusive.....	597	355	316	362	396	921	399	412	603	420	368	608
Number attending school.....	557	342	313	359	384	853	393	287	596	417	359	560
Total 14 and 15 years.....	177	88	76	89	143	248	116	182	153	243	106	156
Number attending school.....	163	81	69	85	124	222	103	120	140	229	102	139
Total 16 to 20 years, inclusive.....	400	211	218	280	283	727	365	331	383	431	264	412
Number attending school.....	153	87	99	104	129	214	181	132	165	289	146	147
Males 21 years of age and over.....	1,379	908	891	779	929	2,608	1,230	1,088	1,347	861	800	1,454
Native white—Native parentage.....	1,087	576	456	447	423	1,732	395	366	845	548	355	731
Native white—Foreign or mixed parentage.....	173	216	241	158	337	563	541	373	377	213	308	390
Foreign-born white.....	60	114	193	156	186	299	293	348	324	100	145	289
Naturalized.....	48	73	156	120	148	241	256	303	220	83	122	201
Negro.....	59	2	1	24	1	22	1	1				11
Females 21 years of age and over.....	1,452	850	937	719	1,080	2,653	1,491	1,214	1,317	953	875	1,388
Native white—Native parentage.....	1,177	623	502	419	458	1,757	466	403	583	626	367	707
Native white—Foreign or mixed parentage.....	182	242	278	150	463	631	730	462	460	217	373	497
Foreign-born white.....	44	84	155	125	159	255	294	348	274	107	135	204
Naturalized.....	40	54	119	97	134	215	250	304	199	92	91	166
Negro.....	49	1	2	25		10	1	1				10
ILLITERACY.												
Total 10 years of age and over.....	3,741	2,253	2,293	2,013	2,675	6,773	3,437	3,009	3,520	2,785	2,282	3,744
Number illiterate.....	50	1	1	25	27	28	69	14	9	3	7	33
Native whites 10 years of age and over.....	3,484	2,045	1,924	1,655	2,344	6,165	2,843	2,304	2,689	2,511	1,994	3,227
Number illiterate.....	34	1		8	9	11	14	3	2	2	2	14
Foreign-born whites 10 years of age and over.....	110	205	365	292	330	571	592	703	629	229	287	483
Number illiterate.....	2		1	14	18	14	55	11	7	1	5	17
Illiterate males 21 years of age and over.....	25	1		5	16	9	20	9	4		3	24
Illiterate females 21 years of age and over.....	22		1	20	10	14	48	5	5		3	5
DWELLINGS AND FAMILIES.												
Dwellings, number.....	1,116	673	727	622	808	2,025	1,050	931	1,083	709	630	1,069
Families, number.....	1,195	705	739	630	846	2,198	1,115	945	1,121	735	656	1,151

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

SUBJECT.	Fairfield.	Glenwood.	Grinnell.	Hampton.	Harlan.	Independence.	Indianola.	Iowa Falls.	Jefferson.	Knoxville.	Le Mars.	Manchester.	Maquoketa.
COLOR OR RACE, NATIVITY, AND SEX.													
Total population.....	5,948	3,862	5,362	2,992	2,831	3,872	3,628	3,854	3,416	3,523	4,683	3,111	3,628
Male.....	2,930	1,800	2,527	1,441	1,363	1,722	1,687	1,978	1,645	1,702	2,285	1,401	1,693
Female.....	3,018	2,062	2,835	1,551	1,468	1,950	1,941	1,976	1,771	1,821	2,398	1,710	1,935
Native white—Native parentage.....	4,935	3,057	4,028	1,909	1,715	2,512	3,270	2,735	2,774	3,081	2,133	2,251	2,561
Native white—Foreign or mixed parentage.....	709	641	896	794	710	901	260	928	510	343	1,787	666	779
Foreign-born white.....	220	116	389	267	405	256	88	270	128	91	813	193	281
Negro.....	84	48	40	13	1	8	21	3	3	8	1	1	2
Indian, Chinese, Japanese, and all other.....			9	9	1	2	2		1				
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.													
Total under 7 years of age.....	668	324	519	294	328	417	337	462	418	350	504	325	369
Total 7 to 13 years, inclusive.....	749	541	594	372	330	365	385	408	444	381	534	321	410
Number attending school.....	737	455	576	369	244	351	369	401	438	372	517	318	393
Total 14 and 15 years.....	182	206	163	116	95	109	143	118	100	119	149	125	110
Number attending school.....	172	168	154	104	79	98	136	109	95	107	140	117	92
Total 16 to 20 years, inclusive.....	527	447	492	280	233	284	348	315	280	297	399	272	272
Number attending school.....	238	233	257	132	114	122	230	145	122	112	162	171	99
Males 21 years of age and over.....	1,865	1,074	1,665	927	909	1,159	1,083	1,323	1,071	1,154	1,513	980	1,161
Native white—Native parentage.....	1,441	812	1,151	523	471	609	943	833	796	974	1,221	801	725
Native white—Foreign or mixed parentage.....	279	193	305	269	216	383	92	334	196	128	568	231	280
Foreign-born white.....	116	52	189	127	221	125	45	150	78	48	424	98	160
Naturalized.....	90	34	136	100	173	83	26	96	69	32	360	84	141
Negro.....	29	17	11	7		1	2	6		4			
Females 21 years of age and over.....	1,957	1,270	1,929	1,003	930	1,333	1,332	1,828	1,103	1,216	1,614	1,138	1,304
Native white—Native parentage.....	1,641	934	1,377	543	525	787	1,164	840	827	1,021	1,518	744	820
Native white—Foreign or mixed parentage.....	306	246	372	318	233	423	124	373	224	154	724	304	303
Foreign-born white.....	89	54	166	137	172	127	39	106	49	40	372	90	121
Naturalized.....	68	20	121	114	108	75	22	76	41	33	333	77	109
Negro.....	21	16	14	3			5	9	3	1			
ILLITERACY.													
Total 10 years of age and over.....	4,960	3,345	4,604	2,556	2,351	3,090	3,128	3,313	2,819	3,014	3,955	2,642	3,097
Number illiterate.....	28	740	31	13	4	25	13	14	9	64	80	28	21
Native whites 10 years of age and over.....	4,675	3,187	4,179	2,276	1,946	2,833	3,031	3,030	2,687	2,916	3,144	2,450	2,815
Number illiterate.....	9	714	11	9		18	11	12	6	58	25	18	20
Foreign-born whites 10 years of age and over.....	215	115	381	267	404	254	87	266	128	90	811	101	281
Number illiterate.....	15	26	18	4	4	6	1	2	3	5	55	10	1
Illiterate males 21 years of age and over.....	15	316	17	7	1	16	4	7	7	39	37	14	13
Illiterate females 21 years of age and over.....	10	273	12	3	3	6	8	5	2	22	39	12	7
DWELLINGS AND FAMILIES.													
Dwellings, number.....	1,529	591	1,379	800	770	1,034	984	986	880	1,000	1,220	898	1,035
Families, number.....	1,683	594	1,486	836	773	1,082	1,025	1,015	928	1,023	1,245	914	1,065

SUBJECT.	Marion.	Missouri Valley.	Mount Pleasant.	Mystic.	Nevada.	New Hampton.	Newtown.	Oelwein.	Osage.	Osceola.	Oskaloosa.	Pella.	Perry.
COLOR OR RACE, NATIVITY, AND SEX.													
Total population.....	4,133	3,985	3,987	2,796	2,668	2,539	6,627	7,455	2,878	2,684	9,427	3,338	5,642
Male.....	2,012	2,039	1,785	1,470	1,263	1,226	3,293	3,846	1,326	1,200	4,551	1,623	2,833
Female.....	2,126	1,946	2,202	1,326	1,385	1,313	3,334	3,609	1,552	1,484	4,876	1,715	2,809
Native white—Native parentage.....	3,130	2,724	3,154	1,583	1,971	1,386	5,093	4,451	1,739	2,300	7,307	1,127	4,400
Native white—Foreign or mixed parentage.....	767	852	526	638	434	893	1,073	2,028	826	240	1,407	1,424	872
Foreign-born white.....	221	392	141	465	202	255	442	931	306	66	484	787	247
Negro.....	18	16	166	55	11		49	45	5	18	226	121	121
Indian, Chinese, Japanese, and all other.....	2	1							2		3		2
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.													
Total under 7 years of age.....	455	565	381	492	293	253	830	1,119	317	251	994	322	609
Total 7 to 13 years, inclusive.....	452	558	424	463	331	327	716	942	295	315	1,017	355	614
Number attending school.....	341	533	416	438	325	325	660	923	288	310	940	305	561
Total 14 and 15 years.....	135	135	139	115	92	112	212	225	66	99	330	105	182
Number attending school.....	104	123	129	89	84	107	191	205	63	95	289	82	157
Total 16 to 20 years, inclusive.....	338	348	347	234	252	223	562	602	231	220	362	314	401
Number attending school.....	108	114	198	46	125	113	211	191	145	89	342	114	210
Males 21 years of age and over.....	1,301	1,245	1,205	823	809	769	2,180	2,431	920	835	2,975	1,101	1,840
Native white—Native parentage.....	921	780	892	389	564	292	1,641	1,212	480	721	2,186	238	1,325
Native white—Foreign or mixed parentage.....	258	240	187	104	131	332	338	659	277	83	481	480	320
Foreign-born white.....	110	220	69	249	110	125	235	545	157	22	228	383	148
Naturalized.....	61	132	54	94	81	103	136	236	105	17	157	270	110
Negro.....	10	4	57	21	4		16	15	4	6	78		38
Females 21 years of age and over.....	1,427	1,139	1,491	669	891	855	2,127	2,136	1,049	964	3,259	1,141	1,840
Native white—Native parentage.....	998	692	1,105	358	604	352	1,656	1,119	545	814	2,393	252	1,347
Native white—Foreign or mixed parentage.....	318	292	261	146	196	378	395	701	366	105	552	552	371
Foreign-born white.....	104	152	71	147	87	125	161	303	137	37	238	337	90
Naturalized.....	92	108	54	52	74	108	107	182	91	32	143	229	87
Negro.....	7	3	54	18	4		15	13	1	8	76		32
ILLITERACY.													
Total 10 years of age and over.....	3,471	3,167	3,449	2,102	2,222	2,161	5,469	5,907	2,437	2,313	8,016	2,868	4,672
Number illiterate.....	23	46	35	5	5	25	64	91	6	18	112	37	7
Native whites 10 years of age and over.....	3,231	2,764	3,169	1,600	2,011	1,906	4,996	4,966	2,126	2,232	7,344	2,092	4,393
Number illiterate.....	16	17	8		3		23	4	1	14	56	18	3
Foreign-born whites 10 years of age and over.....	221	390	140	453	200	255	431	910	304	66	480	776	240
Number illiterate.....	6	29	6	4	2	25	40	83	4	2	22	19	1
Illiterate males 21 years of age and over.....	13	27	15	2	4	8	38	50	4	8	63	16	8
Illiterate females 21 years of age and over.....	9	17	20	2	1	16	25	35	2	8	45	17	3
DWELLINGS AND FAMILIES.													
Dwellings, number.....	1,108	935	1,149	691	673	668	1,554	1,700	819	804	2,451	885	1,438
Families, number.....	1,132	937	1,185	694	703	689	1,745	1,882	836	835	2,630	922	1,524

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SUBJECT.	Red Oak.	Sac City.	Sheldon.	Shenandoah.	Spencer.	Storm Lake.	Tama.	Valley Junction.	Vinton.	Washington.	Waverly.	Webster City.	Winter set.
COLOR OR RACE, NATIVITY, AND SEX.													
Total population.....	5,578	2,630	3,488	5,255	4,599	3,658	2,601	3,631	3,381	4,697	3,352	6,057	2,908
Male.....	2,065	1,271	1,761	2,532	2,280	1,730	1,800	1,839	1,600	2,190	1,585	2,805	1,406
Female.....	2,013	1,359	1,727	2,723	2,319	1,928	1,801	1,802	1,772	2,498	1,767	2,851	1,500
Native white—Native parentage.....	3,902	1,973	1,814	4,354	3,070	2,206	1,798	2,639	2,733	3,861	1,834	4,212	2,588
Native white—Foreign or mixed parentage.....	1,083	469	1,198	657	1,058	993	565	668	489	577	1,157	1,055	266
Foreign-born white.....	530	184	471	218	460	355	230	287	159	180	357	384	55
Negro.....	32	1	3	24	10	4	2	34	.....	78	3	4	7
Indian, Chinese, Japanese, and all other.....	1	3	2	2	1	4	6	3	.....	1	1	2	.....
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.													
Total under 7 years of age.....	630	335	426	651	564	428	308	485	357	482	321	781	313
Total 7 to 13 years, inclusive.....	630	300	424	618	522	415	295	474	327	513	372	695	328
Number attending school.....	613	293	410	590	496	413	291	452	312	494	304	682	316
Total 14 and 15 years.....	203	71	132	167	139	110	87	124	100	156	119	179	98
Number attending school.....	182	63	116	138	130	102	78	108	88	140	112	161	87
Total 16 to 20 years, inclusive.....	468	197	330	479	369	301	210	292	238	351	308	453	198
Number attending school.....	173	100	132	167	150	156	90	60	93	169	127	101	102
Males 21 years of age and over.....	1,727	851	1,093	1,610	1,494	1,156	875	1,248	1,106	1,481	1,036	1,748	840
Native white—Native parentage.....	1,154	601	511	1,263	873	600	561	847	850	1,133	485	1,194	909
Native white—Foreign or mixed parentage.....	318	156	339	227	370	360	196	241	180	243	373	344	98
Foreign-born white.....	242	90	239	112	245	189	115	144	76	80	176	206	29
Naturalized.....	108	69	186	99	199	153	66	63	61	58	145	150	22
Negro.....	12	1	2	7	5	4	2	13	.....	24	1	2	4
Females 21 years of age and over.....	1,920	870	1,083	1,730	1,511	1,248	820	1,008	1,253	1,714	1,190	1,801	1,029
Native white—Native parentage.....	1,238	606	476	1,346	929	679	513	653	951	1,338	549	1,218	883
Native white—Foreign or mixed parentage.....	416	186	403	279	378	419	214	234	226	271	477	412	118
Foreign-born white.....	259	84	204	98	201	150	98	114	76	82	168	170	26
Naturalized.....	197	78	173	78	170	131	70	66	58	63	130	130	21
Negro.....	9	.....	.....	7	3	.....	.....	7	.....	23	2	1	2
ILLITERACY.													
Total 10 years of age and over.....	4,684	2,178	2,889	4,332	3,818	3,036	2,168	2,947	2,871	3,979	2,870	4,569	2,456
Number illiterate.....	25	11	70	20	12	16	29	45	33	3	10	38	17

COUNTY OR CITY.	Total foreign-born white.	COUNTRY OF BIRTH.																							
		Austria.	Belgium.	Canada.	Czecho-slovakia.	Denmark.	England.	France.	Germany.	Greece.	Ireland.	Italy.	Jugo-Slavia.	Luxemburg.	Mexico.	Netherlands.	Norway.	Poland.	Russia.	Scotland.	Sweden.	Switzerland.	Wales.	All other countries.	
COUNTIES.																									
The state.....	225,647	4,334	1,232	8,929	9,150	18,020	13,036	2,125	70,642	2,884	10,688	4,956	1,603	1,630	2,560	12,471	17,344	2,028	7,319	3,967	22,493	2,871	1,753	3,614	
Adair.....	717	21	.....	53	6	84	56	8	320	.....	81	.....	.....	.....	1	1	5	3	4	23	31	6	6	2
Adams.....	879	.....	.....	24	56	29	59	10	60	.....	36	4	.....	3	.....	24	.....	.....	4	25	26	16	0	3
Allamakee.....	1,870	7	.....	53	14	5	37	10	694	.....	121	2	1	8	.....	460	.....	14	13	77	30	1	4	4
Appanoose.....	2,076	310	78	30	31	17	306	91	50	12	19	746	1	18	1	5	84	58	160	226	7	48	30	30	
Audubon.....	2,014	5	1	24	3	1,390	38	4	427	1	30	1	6	7	.....	.....	1	2	13	38	4	2	4	4
Benton.....	1,944	14	46	51	235	38	80	11	1,007	23	92	8	4	6	5	108	2	8	42	120	24	3	17	17	
Black Hawk.....	4,324	100	31	291	42	1,113	385	50	1,425	255	263	43	31	63	46	36	62	58	257	98	115	37	12	112	
Boone.....	3,082	34	8	78	18	81	190	6	606	69	73	68	50	.....	0	2	90	12	19	216	1,480	17	40	19
Bremer.....	1,700	11	2	32	1	74	5	1,349	3	44	5	1	1	.....	4	11	4	15	20	13	10	22	.....	22
Buchanan.....	1,417	22	45	106	56	129	136	15	471	6	153	5	2	20	1	15	24	62	14	25	64	20	4	22	
Buena Vista.....	2,816	5	.....	92	2	611	91	22	500	5	52	1	5	3	.....	10	303	6	9	41	1,002	12	26	18
Butler.....	2,275	4	.....	94	2	115	60	5	1,490	1	50	.....	1	.....	.....	372	13	1	5	9	22	9	1	13
Calhoun.....	1,492	39	.....	102	14	83	89	9	668	1	07	.....	7	.....	.....	4	64	3	6	30	276	16	3	4
Carroll.....	2,305	11	5	61	4	81	77	15	1,757	17	81	7	1	14	1	33	9	13	2	14	40	18	10	25	
Cass.....	1,559	6	1	59	5	304	115	12	678	17	66	3	1	5	57	.....	26	5	3	32	92	5	3	4
Cedar.....	1,727	17	7	36	56	176	62	4	1,229	2	52	8	.....	.....	2	2	7	3	4	24	14	15	1	6
Cerro Gordo.....	4,240	57	35	210	163	470	270	13	880	430	185	100	92	1	117	23	350	58	343	33	220	22	9	165	
Cherokee.....	2,195	13	5	126	10	151	164	17	510	16	131	8	2	18	.....	17	116	14	15	67	742	32	9	22
Chickasaw.....	1,926	15	.....	51	52	37	65	14	775	2	73	.....	.....	15	1	7	180	20	17	8	11	21	.....	12
Clarke.....	178	1	.....	14	2	7	35	3																

POPULATION—IOWA.

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

COUNTY OR CITY.	Total foreign-born white.	COUNTRY OF BIRTH.																				All other countries.		
		Austria.	Belgium.	Canada.	Czechoslovakia.	Denmark.	England.	France.	Germany.	Greece.	Ireland.	Italy.	Jugo-Slavia.	Luxemburg.	Mexico.	Netherlands.	Norway.	Poland.	Russia.	Scotland.	Sweden.		Switzerland.	Wales.
COUNTIES—continued.																								
Fremont.....	369	.....	.....	88	2	31	49	4	124	1	56	.....	.....	2	.....	3	2	.....	3	11	36	6	1	.....
Greene.....	790	13	.....	96	8	106	100	8	187	.....	87	2	.....	1	.....	1	11	1	3	34	117	3	8	.....
Grundy.....	2,029	17	.....	64	16	297	29	2	1,210	5	60	.....	.....	.....	.....	242	12	3	8	27	26	3	.....
Guthrie.....	680	8	.....	28	47	139	104	5	167	.....	90	2	.....	.....	12	3	6	.....	9	37	8	11	.....
Hamilton.....	2,180	1	3	65	8	235	60	35	362	14	56	14	.....	.....	.....	34	846	2	5	41	382	4	1	.....
Hancock.....	1,977	58	.....	40	149	292	57	5	740	1	49	3	2	.....	1	43	232	3	93	15	184	4	1	.....
Hardin.....	2,389	11	.....	78	16	79	106	9	1,427	16	43	3	3	1	32	65	359	.....	20	23	57	12	3	.....
Harrison.....	1,464	11	2	141	17	246	124	7	454	33	110	12	9	0	2	4	39	12	22	34	91	18	17	.....
Henry.....	883	22	2	47	5	13	52	69	215	7	49	12	.....	1	5	8	4	3	21	8	270	57	0	.....
Howard.....	1,447	32	10	85	310	62	68	11	403	1	88	.....	.....	.....	.....	30	148	5	7	20	25	57	82	.....
Humboldt.....	1,805	10	1	75	5	425	46	8	205	.....	37	1	.....	9	.....	24	799	4	15	14	69	48	3	.....
Ida.....	1,717	9	.....	37	4	201	48	3	956	3	72	.....	.....	.....	1	16	26	2	6	53	259	5	4	.....
Iowa.....	1,638	48	107	45	38	9	44	13	917	5	129	.....	1	.....	7	5	30	6	11	15	13	91	95	.....
Jackson.....	1,708	26	5	87	21	117	91	21	988	9	93	2	10	144	.....	70	883	21	4	13	5	18	17	.....
Jasper.....	2,163	46	11	44	27	48	300	17	331	8	142	12	60	.....	70	.....	.....	21	3	22	88	75	11	.....
Jefferson.....	629	8	27	17	2	5	25	24	125	3	15	5	.....	.....	28	.....	.....	45	5	9	255	21	4	.....
Johnson.....	2,173	209	6	89	771	55	120	26	409	29	156	11	0	2	4	39	9	30	60	18	41	27	15	.....
Jones.....	1,644	180	5	68	38	16	48	9	849	2	96	7	2	34	9	.....	13	1	21	32	22	177	4	.....
Keokuk.....	753	10	11	26	.....	0	120	30	357	1	58	5	1	3	22	5	9	6	47	13	10	5	7	.....
Kossuth.....	2,837	42	6	79	15	205	87	13	1,304	9	62	.....	.....	90	1	60	241	7	30	30	389	40	1	.....
Lee.....	2,467	21	4	83	10	31	149	59	901	35	196	26	4	1	434	54	27	16	35	51	265	17	11	.....
Linn.....	7,711	110	11	334	3,638	213	371	33	801	203	438	92	73	14	81	34	84	86	350	149	208	58	24	.....
Louisa.....	327	1	10	20	3	2	32	5	93	.....	28	2	.....	.....	16	.....	2	2	2	4	31	16	52	.....
Lucas.....	844	74	8	13	2	4	140	58	67	2	42	71	3	.....	.....	3	8	8	12	31	218	2	73	.....
Lyon.....	2,989	1	5	43	6	50	42	5	1,158	13	27	1	3	6	1	1,130	375	5	7	61	14	3	14	.....
Madison.....	345	29	.....	19	8	35	45	2	81	1	53	3	.....	.....	7	5	3	1	4	22	21	4	2	.....
Mahaska.....	1,604	36	5	37	80	9	179	7	149	8	47	25	6	.....	2	672	30	4	55	53	125	4	103	.....
Marion.....	2,060	31	22	16	9	5	182	46	70	2	28	93	07	.....	1,321	2	6	4	61	40	8	42	11	.....
Marshall.....	2,370	68	1	135	161	90	154	22	624	25	165	70	7	5	28	11	390	13	6	46	226	33	15	.....
Mills.....	605	3	.....	29	4	41	89	5	242	.....	44	1	.....	.....	1	2	.....	15	2	6	104	2	5	.....
Mitchell.....	1,456	42	25	50	88	126	54	1	400	2	40	1	19	2	.....	8	400	.....	21	8	57	7	8	.....
Monona.....	1,511	7	.....	49	3	357	98	9	369	.....	57	1	1	8	5	5	317	6	10	11	191	5	1	.....
Monroe.....	2,425	274	86	27	92	3	454	66	86	5	141	265	155	.....	10	74	5	8	62	119	301	4	149	.....
Montgomery.....	1,618	7	1	41	3	23	66	11	87	7	29	1	.....	.....	.....	12	.....	12	82	18	1,167	10	53	.....
Muscataine.....	2,543	38	6	56	14	46	64	38	1,494	15	108	24	4	1	77	128	10	103	196	17	27	63	3	.....
O'Brien.....	2,784	11	2	133	3	84	94	6	1,206	1	62	.....	1	15	2	802	108	15	7	45	164	7	7	.....
Osceola.....	1,557	10	2	59	13	18	27	5	638	2	23	11	.....	9	.....	455	15	6	3	2	33	22	3	.....
Page.....	1,368	11	1	62	3	40	86	6	271	13	66	9	1	1	1	2	18	10	13	17	713	5	3	.....
Palo Alto.....	1,965	35	.....	100	3	270	99	6	347	5	161	1	.....	16	.....	8	317	21	27	56	153	4	28	.....
Plymouth.....	3,006	23	7	162	27	125	184	36	1,606	8	119	2	2	277	.....	114	51	19	29	65	158	63	12	.....
Pocahontas.....	1,590	22	.....	87	124	154	60	10	557	1	98	.....	7	3	.....	17	117	7	5	17	285	5	3	.....
Polk.....	13,603	290	37	657	83	573	1,530	141	1,335	257	785	1,668	128	9	399	161	500	340	1,446	401	2,108	101	249	.....
Pottawattamie.....	6,388	127	22	243	34	1,067	3,624	44	1,975	148	261	197	73	4	204	41	126	23	243	77	380	48	23	.....
Poweshiek.....	1,321	19	162	66	46	12	102	10	310	4	214	5	3	1	63	33	85	9	13	54	71	14	6	.....
Ringgold.....	262	4	.....	24	74	11	37	4	24	.....	35	1	.....	.....	4	9	1	.....	2	10	18	1	2	.....
Sac.....	1,730	7	.....	97	4	89	100	23	746	1	57	3	4	.....	1	16	56	8	18	32	451	11	1	.....
Scott.....	9,999	210	124	348	157	371	367	83	5,773	179	482	97	40	6	245	90	90	89	332	91	443	113	26	.....
Shelby.....	2,375	23	3	42	4	1,280	37	6	658	3	63	2	.....	56	.....	3	128	6	8	10	22	5	.....
Sioux.....	5,857	8	13	54	4	44	47	25	545	15	65	7	1	111	3	4,680	71	4	14	6	100	22	3	.....
Story.....	2,345	15	1	108	12	269	102	7	136	23	88	11	3	.....	11	8	1,369	3	6	65	83	7	7	.....
Tama.....	2,465	50	19	93	944	58	54	4	938	2	69	11	14	.....	6	2	54	3	15	73	27	6	2	.....
Taylor.....	321	2	.....	51	1	2	58	4	71	1	33	3	.....	1	.....	5	1	5	.....	38	38	7	.....
Union.....	580	11	.....	67	49	30	59	16	281	3	90	2	1	.....	28	6	6	.....	9	42	207	5	6	.....
Van Buren.....	236	3	21	.....	4	17	6	86	.....	2	22	.....	.....	.....	10	1	2	3	13	31	7	5	.....
Wapello.....	1,844	20	15	86	21	14	274	26	243	23	152	34	2	1	4	52	12	13	82	75	572	13	93	.....
Warren.....	486	24	2	31	4	8	67	3	131	9	38	78	.....	1	26	8	3	.....	3	22	19	2	4	.....
Washington.....	770	40	1	34	136	7	42	68	176	5	60	3	18	40	18	1	4	6	0	42	44	5
Wayne.....	281	15	1	9	59																	

COMPOSITION AND CHARACTERISTICS.

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TABLE 13.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR WARDS OF CITIES OF 50,000 OR MORE: ¹ 1920.

SUBJECT.	DAVENPORT.						DES MOINES.								
	THE CITY.	WARD.					THE CITY.	WARD.							
		1	2	3	4	5		6	1	2	3	4	5	6	7
COLOR OR RACE, NATIVITY, AND SEX.															
Total population.....	56,727	8,330	9,675	8,730	9,124	11,207	9,661	126,468	31,522	13,881	20,558	17,237	11,993	15,628	15,649
Male.....	28,556	4,261	4,782	4,483	4,794	5,068	4,668	62,178	14,645	6,692	10,014	9,120	6,047	7,788	7,866
Female.....	28,071	4,069	4,893	4,247	4,330	5,539	4,993	64,290	16,877	7,189	10,544	8,117	5,946	7,840	7,783
Native white.....	48,355	7,128	7,903	7,220	7,712	9,976	8,446	109,663	29,421	11,774	18,082	14,190	9,459	12,850	13,869
Male.....	24,206	3,624	3,893	3,652	3,973	4,976	4,088	53,131	13,593	5,596	8,654	7,345	4,667	6,372	6,904
Female.....	24,179	3,504	4,010	3,568	3,739	5,000	4,358	56,532	15,828	6,178	9,428	6,844	4,792	6,487	6,965
Native white—Native parentage.....	29,394	3,932	3,954	3,958	4,992	7,015	5,543	84,361	23,083	9,228	14,458	10,138	6,240	9,540	11,065
Native white—Foreign parentage.....	12,147	1,976	2,640	2,189	1,780	1,830	1,732	15,266	3,053	1,517	2,110	2,669	2,263	2,087	1,507
Native white—Mixed parentage.....	6,844	1,220	1,809	1,073	940	1,131	1,171	10,036	2,685	1,020	1,514	1,392	947	1,232	1,237
Foreign-born white.....	7,644	1,196	1,766	1,430	1,133	1,068	1,051	11,224	1,752	942	1,456	2,332	2,006	1,533	1,203
Male.....	4,055	632	885	790	660	597	491	6,211	888	513	827	1,403	1,116	783	681
Female.....	3,589	564	881	640	473	471	560	5,013	864	429	629	929	890	750	522
Negro.....	681	6	4	80	267	163	161	5,512	335	1,164	979	699	626	1,234	575
Male.....	378	5	2	41	149	95	86	2,771	151	582	492	372	263	681	280
Female.....	303	1	2	39	118	68	75	2,741	184	582	487	327	263	603	295
Indian, Chinese, Japanese, and all other.....	17	2	2	12	3	3	3	69	14	1	41	7	2	2	2
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.															
Total under 7 years of age.....	6,247	1,117	1,183	969	729	1,101	1,148	15,427	3,713	1,347	2,052	2,187	1,410	2,232	2,486
Total 7 to 13 years, inclusive.....	6,331	1,058	1,194	902	744	1,250	1,183	14,139	3,253	1,308	1,855	1,993	1,369	2,028	2,333
Number attending school.....	6,096	1,011	1,166	860	721	1,212	1,126	13,674	3,102	1,253	1,800	1,935	1,313	1,996	2,275
Total 14 and 15 years.....	1,645	289	313	203	219	307	314	3,826	879	381	521	515	372	564	594
Number attending school.....	1,466	258	284	175	192	283	274	3,518	817	354	489	460	340	513	540
Total 16 and 17 years.....	1,724	295	295	204	269	311	290	4,117	927	410	593	582	413	588	604
Number attending school.....	734	80	93	109	128	181	143	2,223	655	211	323	259	215	284	276
Total 18 to 20 years, inclusive.....	2,694	404	468	393	497	465	497	6,754	1,495	816	1,241	999	605	846	752
Number attending school.....	471	33	55	64	102	103	114	1,581	597	174	260	183	166	158	103
Males 21 years of age and over.....	19,368	2,662	3,051	3,120	3,605	3,940	2,990	40,706	9,613	4,686	7,048	6,054	4,070	4,691	4,544
Native white—Native parentage.....	8,337	952	889	1,119	1,724	2,192	1,481	25,065	6,066	2,941	4,651	3,325	1,930	2,597	2,955
Native white—Foreign or mixed parentage.....	6,842	1,093	1,321	1,203	1,119	1,124	982	7,851	1,974	839	1,229	1,171	903	949	786
Foreign-born white.....	3,915	615	858	768	643	666	465	5,836	851	482	774	1,285	1,054	753	637
Naturalized.....	2,786	489	707	587	384	283	336	3,711	607	302	474	688	662	539	439
Negro.....	259	2	1	30	109	58	59	1,900	112	423	359	260	182	390	165
Females 21 years of age and over.....	18,718	2,505	3,171	2,879	3,061	3,833	3,269	41,499	11,642	4,933	7,248	4,907	3,754	4,679	4,336
Native white—Native parentage.....	7,627	846	865	903	1,417	2,046	1,550	20,117	8,145	3,110	4,861	2,774	1,790	2,589	2,839
Native white—Foreign or mixed parentage.....	7,460	1,107	1,449	1,336	1,106	1,313	1,149	8,991	2,540	1,028	1,471	1,100	978	1,025	840
Foreign-born white.....	3,419	551	856	613	451	430	518	4,605	820	397	578	800	820	701	483
Naturalized.....	2,563	454	695	516	298	244	356	3,143	554	247	397	488	568	543	346
Negro.....	212	1	1	27	87	44	52	1,782	136	398	338	217	156	364	178
Males 18 to 44 years, inclusive.....	13,533	1,932	2,112	2,046	2,577	2,795	2,071	20,286	6,673	3,478	5,891	4,497	2,766	3,266	3,215
Females 18 to 44 years, inclusive.....	13,170	1,850	2,190	1,936	2,151	2,733	2,310	31,759	8,596	3,851	5,841	3,924	2,773	3,411	3,303
ILLITERACY.															
Total 10 years of age and over.....	47,775	6,749	7,975	7,383	8,091	9,587	8,010	104,924	20,439	11,972	17,714	14,151	10,010	12,484	12,154
Number illiterate.....	610	42	79	151	74	115	49	1,395	69	164	153	403	216	209	181
Native white.....	39,618	5,558	6,211	5,875	6,712	8,424	6,843	89,119	24,380	10,021	15,394	11,257	7,583	9,971	10,513
Number illiterate.....	97	13	21	33	11	11	8	309	31	19	33	44	47	81	54
Foreign-born white.....	7,574	1,192	1,759	1,420	1,126	1,042	1,035	11,110	1,733	937	1,439	2,291	1,093	1,527	1,190
Number illiterate.....	364	29	57	112	40	95	31	800	34	74	60	324	141	82	55
Negro.....	598	4	3	68	241	121	129	4,627	312	1,013	841	596	432	984	449
Number illiterate.....	48	1	1	6	22	9	10	282	4	71	57	34	28	40	42
Total 16 to 20 years, inclusive.....	4,418	699	763	657	766	776	757	10,871	2,422	1,226	1,834	1,581	1,018	1,434	1,356
Number illiterate.....	10	1	1	4	1	3	.....	26	3	2	.....	5	5	4	7
Illiterate males 21 years of age and over.....	244	19	28	67	38	70	22	693	30	71	73	217	104	105	93
Native white.....	45	5	8	14	8	6	4	168	14	9	22	20	22	40	26
Foreign-born white.....	177	14	19	52	21	59	12	387	16	20	27	170	67	38	40
Negro.....	21	1	1	3	5	5	6	135	33	21	18	15	21	27	27
Illiterate females 21 years of age and over.....	247	21	49	78	34	39	26	654	32	90	79	179	102	98	74
Native white.....	42	6	11	15	2	4	4	114	10	9	10	12	20	31	22
Foreign-born white.....	181	15	38	60	18	31	19	394	18	43	33	150	69	44	37
Negro.....	24	.....	.....	8	14	4	3	145	4	33	36	16	13	23	15
DWELLINGS AND FAMILIES.															
Dwellings, number.....	12,042	1,947	2,159	1,898	1,615	2,112	2,311	27,127	7,134	2,788	4,090	3,080	2,552	3,701	3,782
Families, number.....	14,388	2,111	2,413	2,343	2,269	2,803	2,440	31,644	8,139	3,555	5,351	3,066	3,074	3,937	3,922
COUNTRY OF BIRTH OF FOREIGN-BORN WHITE.															
Austria.....	170	25	23	20	20	23	59	232	47	22	34	32	19	33	45
Canada.....	314	38	16	29	71	88	72	585	193	61	132	77	41	43	38
Czechoslovakia.....	100	11	12	8	6	11	52	62	15	7	5	10	10	4	11
Denmark.....	313	50	69	61	52	38	43	528	77	25	88	37	216	54	31
England.....	315	37	31	28	70	81	68	1,265	252	141	147	179	112	164	270
France.....	70	5	12	4	15	21	13	116	21	13	14	19	4	21	24
Germany.....	4,311	858	1,363	976	484	247	383	1,104	256	129	119	161	137	172	130
Greece.....	151	8	1	19	71	51	1	230	22	8	70	94	24	8	4
Hungary.....	26	9	2	5	1	4	5	50	28	.....	3	8	5	4	2
Ireland.....	403	25	71	43	81	125	58	643	147	84	101	130	52	73	56
Italy.....	94	.....	3	21	14	34	22	1,177	68	138	90	771	44	40	26
Mexico.....	143	11	3	9	8	100	17	158	34	2	3	40	48	6	25
Netherlands.....	68	14	28	7	11	8	2	113	25	11	29	12	7		

POPULATION—IOWA.

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

AGE.	ALL CLASSES: 1920		NATIVE WHITE: 1920						FOREIGN-BORN WHITE: 1920		NEGRO: 1920		INDIAN, CHINESE, JAPANESE, AND ALL OTHER: 1920	
			Native parentage.		Foreign parentage.		Mixed parentage.							
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages, number.....	1,229,392	1,174,629	775,407	753,146	189,093	187,017	126,546	126,725	127,065	98,582	10,121	8,884	560	275
Under 5 years.....	127,474	123,413	105,921	102,335	9,107	9,100	11,455	10,970	187	192	774	776	30	40
Under 1 year.....	23,874	23,292	19,996	19,614	1,583	1,535	2,109	1,958	71	24	154	158	11	3
5 to 9 years.....	121,558	118,421	96,399	93,627	10,527	10,485	13,070	12,733	769	747	769	784	24	45
10 to 14 years.....	114,953	112,848	86,519	85,257	11,386	11,095	14,618	14,078	1,682	1,622	717	775	31	21
15 to 19 years.....	107,374	107,007	75,711	70,241	13,454	13,378	14,993	14,875	2,403	2,347	770	748	43	20
20 to 24 years.....	104,241	100,641	68,174	70,506	16,713	17,883	13,744	14,341	4,671	3,250	852	934	87	27
25 to 29 years.....	104,501	100,931	62,988	62,019	19,295	19,503	12,440	13,158	8,615	5,214	1,081	951	82	26
30 to 34 years.....	92,414	87,488	51,781	50,096	18,590	18,690	10,376	11,035	10,705	6,826	894	820	68	22
35 to 39 years.....	87,064	80,964	47,359	44,057	17,519	17,832	9,354	9,843	11,763	8,435	1,022	773	47	24
40 to 44 years.....	70,864	69,386	35,509	35,626	16,204	16,570	7,540	7,702	10,765	8,864	754	617	32	7
45 to 49 years.....	70,221	61,597	34,094	30,289	17,110	16,032	6,276	5,951	11,938	8,807	765	508	38	10
50 to 54 years.....	60,996	53,920	29,138	26,251	13,646	12,928	4,474	4,243	13,120	10,092	581	396	37	10
55 to 59 years.....	49,033	43,552	22,604	21,012	10,824	9,886	2,953	2,848	12,266	9,565	368	237	18	4
60 to 64 years.....	42,197	36,534	20,436	18,296	8,340	7,442	2,227	1,987	10,909	8,612	277	192	8	5
65 to 69 years.....	30,268	26,404	15,104	13,510	3,974	3,718	1,335	1,295	9,650	7,781	205	118	-----	3
70 to 74 years.....	20,668	19,498	10,463	10,278	1,632	1,458	829	812	7,662	6,850	107	93	5	7
75 to 79 years.....	13,581	13,324	6,578	7,012	761	728	465	486	5,410	5,030	65	67	2	1
80 to 84 years.....	6,682	6,815	3,241	3,598	284	283	234	221	2,889	2,679	34	33	-----	1
85 to 89 years.....	2,690	2,887	1,333	1,469	102	88	75	102	1,150	1,210	21	17	-----	1
90 to 94 years.....	593	661	282	310	17	25	24	18	264	302	5	6	1	-----
95 to 99 years.....	114	151	53	75	4	6	3	-----	50	68	4	1	-----	1
100 years and over.....	12	14	5	6	2	-----	1	-----	4	-----	-----	-----	-----	-----
Age unknown.....	1,864	1,573	1,415	1,267	142	130	60	57	184	85	56	34	7	-----
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.4	10.5	13.7	13.6	4.8	4.9	9.1	8.7	0.1	0.2	7.6	8.7	5.4	14.5
Under 1 year.....	1.9	2.0	2.6	2.6	0.8	0.8	1.7	1.5	(1)	(1)	1.5	1.8	2.0	1.1
5 to 9 years.....	9.9	10.1	12.4	12.4	5.5	5.6	10.3	10.0	0.6	0.8	7.6	8.8	4.3	16.4
10 to 14 years.....	9.4	9.6	11.2	11.3	6.0	5.9	11.6	11.1	1.3	1.6	7.1	8.7	5.5	7.6
15 to 19 years.....	8.7	9.2	9.8	10.1	7.1	7.2	11.8	11.7	1.9	2.4	7.6	8.4	7.7	7.3
20 to 24 years.....	8.5	9.1	8.8	9.4	8.8	9.4	10.9	11.3	3.7	3.3	8.4	10.5	15.5	9.8
25 to 29 years.....	8.5	8.6	8.1	8.2	10.2	10.5	9.8	10.4	6.8	5.3	10.7	10.7	14.6	9.5
30 to 34 years.....	7.5	7.4	6.7	6.7	9.8	10.0	8.2	8.7	8.4	6.9	8.3	9.2	12.1	8.0
35 to 39 years.....	7.1	6.9	6.1	5.8	9.2	9.5	7.4	7.8	9.3	8.6	10.1	8.7	8.4	8.7
40 to 44 years.....	5.8	5.9	4.6	4.7	8.6	8.9	6.0	6.1	8.5	9.0	7.4	6.9	5.7	2.5
45 to 49 years.....	5.7	5.2	4.4	4.0	9.0	8.6	5.0	4.7	9.4	8.9	7.6	5.7	6.8	3.6
50 to 54 years.....	5.0	4.6	3.8	3.5	7.2	6.9	3.5	3.3	10.3	10.2	5.7	4.5	6.6	3.6
55 to 59 years.....	4.0	3.7	2.9	2.8	5.7	5.3	2.3	2.2	9.7	9.7	3.6	2.7	3.2	1.5
60 to 64 years.....	3.4	3.1	2.6	2.4	4.4	4.0	1.8	1.6	8.6	8.7	2.7	2.2	1.4	1.8
65 to 74 years.....	4.1	3.9	3.3	3.2	3.0	2.8	1.7	1.6	13.6	14.8	3.1	2.4	0.9	3.6
75 to 84 years.....	1.6	1.7	1.3	1.4	0.6	0.5	0.6	0.6	6.5	7.8	1.0	1.1	0.4	0.7
85 to 94 years.....	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	1.1	1.5	0.3	0.3	0.2	0.4
95 years and over.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0.1	(1)	0.1	0.1	0.4
Age unknown.....	0.2	0.1	0.2	0.2	0.1	0.1	(1)	(1)	0.1	0.1	0.6	0.4	1.2	-----
Year of age (1-24).....														
1 year.....	26,057	25,257	22,000	21,207	1,671	1,711	2,208	2,162	30	26	144	138	4	13
2 years.....	25,987	24,753	21,645	20,618	1,822	1,812	2,390	2,155	39	20	149	135	2	4
3 years.....	26,005	25,288	21,430	20,808	1,926	1,997	2,443	2,253	39	55	161	166	6	9
4 years.....	25,551	24,823	20,850	20,088	2,105	2,045	2,365	2,442	58	58	166	179	7	11
5 years.....	24,773	24,146	19,928	19,458	2,134	2,017	2,493	2,415	73	83	140	160	5	13
6 years.....	24,494	23,791	19,682	18,908	2,070	2,145	2,501	2,464	98	109	139	157	4	8
7 years.....	24,712	23,914	19,588	18,875	2,072	2,165	2,715	2,566	171	139	163	163	3	6
8 years.....	24,191	23,744	19,057	18,610	2,115	2,125	2,639	2,669	204	176	170	154	6	10
9 years.....	23,388	22,826	18,144	17,776	2,136	2,033	2,722	2,619	223	240	157	150	6	8
10 years.....	23,740	23,030	18,257	17,705	2,234	2,140	2,815	2,705	285	313	139	163	10	4
11 years.....	22,724	22,400	17,272	17,265	2,151	2,078	2,852	2,695	297	284	147	135	5	3
12 years.....	23,746	23,183	17,736	17,431	2,322	2,286	3,090	2,975	395	327	149	167	4	2
13 years.....	22,213	22,042	16,548	16,417	2,254	2,228	2,924	2,913	338	322	141	156	8	6
14 years.....	22,530	22,128	16,656	16,439	2,425	2,363	2,937	2,790	367	376	141	154	4	6
15 years.....	21,427	20,989	15,518	15,007	2,392	2,433	3,022	2,879	353	424	140	152	2	4
16 years.....	22,460	22,311	16,151	16,018	2,608	2,583	3,080	3,124	457	452	156	131	8	3
17 years.....	21,531	21,416	15,142	15,082	2,752	2,702	3,001	3,028	476	445	150	156	10	3
18 years.....	20,985	21,712	14,515	15,291	2,767	2,801	2,980	2,946	560	521	156	150	7	3
19 years.....	20,971	21,179	14,385	14,753	2,925	2,857	2,910	2,898	557	505	168	159	16	7
20 years.....	20,204	21,487	13,647	14,649	2,934	3,141	2,820	2,931	632	587	152	172	19	7
21 years.....	21,288	20,593	14,232	13,885	3,295	3,230	2,847	2,744	742	560	153	167	19	7
22 years.....	20,913	21,208	13,532	14,002	3,438	3,504	2,775	2,890	954	624	196	182	18	6
23 years.....	20,820	21,870	13,415	14,352	3,467	3,736	2,662	2,882	1,093	695	173	200	9	5
24 years.....	21,016	21,483	13,348	13,618	3,570	3,972	2,639	2,894	1,250	784	178	213	22	2

(1) Less than one-tenth of 1 per cent.

COMPOSITION AND CHARACTERISTICS.

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

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

CENSUS YEAR, CLASS OF POPULATION, AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.								FEMALES 15 YEARS OF AGE AND OVER.							
	Total. ¹	Single.		Married.		Widowed.		Divorced.	Total. ¹	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.	865,407	303,626	35.1	512,060	59.2	40,763	4.7	6,944	819,947	224,706	27.4	505,294	61.6	81,118	9.9	7,510
15 to 19 years.	107,374	105,705	98.4	1,447	1.3	25	(2)	21	107,607	97,370	90.5	9,889	9.2	101	0.1	138
20 to 24 years.	104,241	77,341	74.2	26,049	25.0	283	0.3	244	106,641	53,184	49.9	51,772	48.5	786	0.7	730
25 to 34 years.	196,915	63,231	32.1	129,692	65.9	2,289	1.2	1,391	188,419	37,354	19.8	145,130	77.0	3,825	2.0	1,931
35 to 44 years.	157,928	26,398	16.7	125,717	79.6	3,837	2.4	1,773	150,350	17,335	11.5	124,069	82.5	6,857	4.6	1,963
45 to 54 years.	131,217	16,952	12.9	106,071	80.8	6,338	4.8	1,678	115,517	10,481	9.1	91,269	79.0	12,141	10.5	1,511
55 to 64 years.	91,230	8,980	9.8	72,281	79.2	8,743	9.6	1,114	80,056	5,514	6.9	55,103	68.8	18,495	23.1	863
65 years and over.	74,638	4,411	5.9	50,189	67.2	19,141	25.6	696	69,754	3,025	4.3	27,405	39.4	38,737	55.5	358
Age unknown.	1,864	602	32.3	614	32.9	107	5.7	27	1,573	443	28.2	597	38.0	176	11.2	16
Native white—Native parentage:																
15 years and over. ²	486,568	179,795	37.0	280,521	57.7	20,471	4.2	4,434	471,927	140,133	29.7	284,197	60.2	41,780	8.9	4,875
15 to 19 years.	75,711	74,340	98.2	1,211	1.6	18	(2)	16	76,241	68,248	89.5	7,720	10.1	77	0.1	113
20 to 24 years.	68,174	48,517	71.2	19,044	27.9	203	0.3	186	70,500	33,825	48.0	35,479	50.3	512	0.8	542
25 to 34 years.	114,769	32,418	28.2	79,837	69.6	1,369	1.2	966	112,115	21,045	18.8	87,242	77.8	2,358	2.1	1,348
35 to 44 years.	82,868	11,382	13.7	68,126	82.2	2,093	2.5	1,147	79,683	7,968	10.0	66,793	83.8	3,590	4.5	1,252
45 to 54 years.	63,232	6,838	10.8	52,090	82.4	3,176	5.0	1,034	50,510	4,574	8.1	45,078	79.7	5,931	10.5	886
55 to 64 years.	43,040	3,763	8.7	34,376	79.9	4,178	9.7	663	39,308	2,482	6.3	27,166	69.1	9,081	23.1	506
65 years and over.	37,359	2,099	5.6	25,377	67.9	9,304	25.1	401	30,267	1,631	4.5	14,268	39.3	20,068	55.3	216
Native white—For. or mixed par.:																
15 years and over. ²	246,076	94,801	38.5	141,523	57.5	7,910	3.2	1,512	245,281	75,019	30.6	151,068	61.6	17,097	7.0	1,884
15 to 19 years.	28,447	28,207	99.2	188	0.7	4	(2)	5	28,251	26,627	93.9	1,668	5.9	15	0.1	18
20 to 24 years.	30,457	24,398	80.1	5,875	19.3	54	0.2	49	31,924	17,912	56.1	13,634	42.7	191	0.6	146
25 to 34 years.	60,701	21,862	36.0	37,784	62.2	609	1.1	308	62,445	14,773	23.7	40,049	73.7	1,116	1.8	465
35 to 44 years.	50,677	10,024	19.8	39,090	77.1	1,115	2.2	410	51,947	8,031	15.5	41,039	79.0	2,300	4.4	545
45 to 54 years.	41,606	6,590	15.9	32,712	78.8	1,779	4.3	376	39,154	4,841	12.4	29,961	76.5	3,883	9.9	441
55 to 64 years.	24,344	2,911	12.0	19,032	78.2	2,151	8.8	234	22,163	2,262	10.2	14,765	66.6	4,898	22.1	222
65 years and over.	9,742	724	7.4	6,700	69.4	2,124	21.8	126	9,210	609	6.6	3,806	42.0	4,672	50.7	45
Native white—Foreign parentage:																
15 years and over. ²	158,673	55,446	34.9	90,393	60.7	5,610	3.5	1,005	156,337	42,573	27.2	100,270	64.1	12,149	7.8	1,200
15 to 19 years.	13,454	13,349	99.2	79	0.6	3	(2)	2	13,376	12,503	93.5	843	6.3	10	0.1	9
20 to 24 years.	16,713	13,387	80.1	3,230	19.3	29	0.2	22	17,583	9,070	51.0	7,096	43.8	131	0.7	69
25 to 34 years.	37,885	13,664	36.1	23,569	62.2	417	1.1	183	38,252	8,841	23.1	28,441	74.4	1,494	1.8	264
35 to 44 years.	33,783	6,876	20.4	25,890	76.6	734	2.2	255	34,402	5,380	15.6	27,149	78.9	1,494	4.3	354
45 to 54 years.	30,756	5,157	16.8	23,957	77.9	1,332	4.3	274	28,900	3,783	13.1	21,983	75.9	2,869	9.9	304
55 to 64 years.	19,164	2,390	12.5	14,923	77.9	1,054	5.6	182	17,328	1,892	10.9	11,419	65.9	3,834	22.1	169
65 years and over.	6,776	594	8.3	4,690	69.2	1,431	21.1	84	6,006	460	7.3	2,679	42.5	3,123	49.5	29
Native white—Mixed parentage:																
15 years and over. ²	87,403	39,355	45.0	45,130	51.6	2,300	2.6	507	88,944	32,446	36.5	50,798	57.1	4,948	5.0	684
15 to 19 years.	14,993	14,858	99.1	109	0.7	1	(2)	3	14,875	14,024	94.3	825	5.5	5	(2)	9
20 to 24 years.	13,744	11,011	80.1	2,645	19.2	25	0.2	27	14,841	8,242	55.5	5,938	41.4	70	0.5	77
25 to 34 years.	22,816	8,198	35.9	14,215	62.3	252	1.1	125	24,193	5,632	24.5	17,608	72.8	435	1.8	201
35 to 44 years.	16,894	3,143	18.6	13,200	78.1	381	2.3	155	17,545	2,651	15.1	13,890	78.2	806	4.6	191
45 to 54 years.	10,750	1,439	13.4	8,755	81.4	447	4.2	102	10,194	1,058	10.4	7,978	78.3	1,014	9.9	137
55 to 64 years.	5,180	521	10.1	4,109	79.3	497	9.6	62	4,835	370	7.7	3,346	68.2	1,064	22.0	63
65 years and over.	2,966	100	3.4	2,070	69.8	693	23.4	42	2,904	149	5.1	1,187	40.9	1,649	53.3	16
Foreign-born white:																
15 years and over. ²	124,427	26,141	21.0	85,345	68.6	11,805	9.5	836	96,021	8,363	8.7	65,639	68.4	21,290	22.2	581
15 to 19 years.	2,403	2,368	98.5	27	1.1	2	0.1	1	2,317	2,007	86.6	331	14.1	4	0.2	3
20 to 24 years.	4,671	3,788	81.1	843	18.0	14	0.3	3	5,250	1,183	22.7	3,825	72.8	24	0.7	12
25 to 34 years.	19,320	8,227	42.6	10,775	55.8	189	1.0	79	12,040	1,352	11.2	10,388	86.3	233	1.9	55
35 to 44 years.	22,628	4,593	20.4	17,192	76.3	527	2.3	177	17,299	1,251	7.2	15,115	87.4	791	4.6	122
45 to 54 years.	25,058	3,315	13.2	20,228	80.7	1,256	5.0	221	18,899	1,024	5.4	15,577	82.4	2,123	11.2	160
55 to 64 years.	23,175	2,235	9.6	18,419	79.5	2,297	9.9	194	18,177	756	4.2	12,937	71.2	4,333	23.8	131
65 years and over.	27,088	1,553	5.7	17,804	65.7	7,501	27.7	161	23,924	774	3.2	9,232	38.6	13,765	57.5	96
Negro:																
15 years and over. ²	7,861	2,649	33.7	4,459	56.7	556	7.1	160	6,549	1,162	17.7	4,279	65.3	923	14.1	169
15 to 19 years.	770	747	97.0	21	2.7	1	0.1	1	748	575	76.9	163	21.8	5	0.7	4
20 to 24 years.	852	570	66.9	268	31.5	7	0.8	6	934	255	27.3	620	66.4	28	3.0	30
25 to 34 years.	1,975	643	32.6	1,232	62.4	59	3.0	36	1,771	180	10.2	1,409	79.6	116	6.5	63
35 to 44 years.	1,778	380	21.4	1,254	70.6	97	5.5	39	1,390	82	5.9	1,096	78.8	169	12.2	43
45 to 54 years.	1,346	189	14.0	986	73.3	121	9.0	47	904	42	4.6	642	71.0	195	21.6	24
55 to 64 years.	645	69	10.7	438	67.9	115	17.8	23	429	14	3.3	231	53.8	178	41.5	4
65 years and over.	441	34	7.7	245	55.6	148	33.6	8	339	11	3.2	105	31.0	222	65.5	1
Indian—15 years and over.	201	72	35.8	112	55.7	16	8.0	1	187	25	15.9	103	65.6	28	17.8	1
Chinese—15 years and over.	214	120	56.1	91	42.5	3	1.4									

POPULATION—IOWA.

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

NATIVITY AND STATE OF BIRTH.	All classes: 1920	White: 1920	Colored: ¹ 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.....	2,404,021	2,384,181	19,840	100.0	100.0	100.0	100.0	100.0	100.0	.....	.....
Native.....	2,178,027	2,158,534	19,493	90.6	87.7	90.5	87.6	98.3	98.2	100.0	100.0
Born in—											
Iowa.....	1,624,606	1,618,130	6,476	67.6	63.7	67.9	63.9	32.6	35.8	75.0	72.9
Illinois.....	145,050	144,202	848	6.0	6.2	6.0	6.2	4.3	4.8	6.7	7.1
Missouri.....	58,711	54,584	4,127	2.4	1.8	2.3	1.6	20.8	21.0	2.5	1.9
Ohio.....	44,238	44,084	154	1.8	2.8	1.8	2.8	0.8	1.0	2.0	3.2
Wisconsin.....	37,737	37,688	69	1.6	1.7	1.6	1.7	0.3	0.3	1.7	2.0
Indiana.....	33,033	32,924	109	1.4	1.7	1.4	1.7	0.5	0.8	1.5	1.9
Nebraska.....	29,784	29,568	216	1.2	1.0	1.2	1.0	1.1	0.7	1.4	1.1
Pennsylvania.....	29,480	29,401	79	1.2	1.8	1.2	1.8	0.4	0.6	1.4	2.1
New York.....	25,092	25,046	46	1.0	1.6	1.1	1.6	0.2	0.3	1.2	1.9
Minnesota.....	24,400	24,347	53	1.0	0.7	1.0	0.8	0.3	0.3	1.1	0.9
Kansas.....	18,770	18,213	557	0.8	0.6	0.8	0.6	2.8	1.4	0.8	0.7
South Dakota.....	14,293	14,265	28	0.6	0.4	0.6	0.4	0.1	0.1	0.7	0.4
Michigan.....	9,557	9,532	25	0.4	0.4	0.4	0.4	0.1	0.2	0.4	0.5
Kentucky.....	8,706	8,044	662	0.4	0.3	0.3	0.3	3.3	4.6	0.4	0.4
Virginia.....	5,796	4,600	1,106	0.2	0.3	0.2	0.2	5.6	10.2	0.2	0.3
Other states.....	58,918	54,816	4,602	2.6	2.2	2.3	2.1	23.2	14.6	2.5	2.4
Other native ²	9,856	9,520	336	0.4	0.4	0.4	0.4	1.7	1.4	0.4	0.5
Foreign born.....	225,994	225,647	347	9.4	12.3	9.5	12.4	1.7	1.8	.....	.....

¹ Comprises persons of Negro descent, Indians, Chinese, Japanese, and all other; see Table 1.² Comprises persons born in the United States, state of birth not reported; persons born in outlying possessions, or at sea under United States flag; and persons of foreign birth whose parents were American citizens temporarily absent from the United States.

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

[See also Tables 5, 6, and 12.]

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.	Citizen-ship not reported.	Total.	Naturalized.	
	Number.	Per cent distribution.				Number.	Per cent.					Number.	Per cent.
Total.....	225,994	100.0	127,369	98,625	225,994	156,551	69.4	12,224	35,875	20,997	214,479	153,271	71.5
Germany.....	70,642	31.3	38,508	32,134	70,642	57,335	81.2	2,645	4,871	5,791	69,192	56,731	82.0
Sweden.....	22,493	10.0	12,498	9,995	22,493	17,338	77.1	1,118	2,179	1,858	21,906	17,145	78.1
Denmark.....	18,020	8.0	10,877	7,143	18,020	12,730	70.6	1,366	2,558	1,366	17,120	12,432	72.6
Norway.....	17,344	7.7	9,414	7,930	17,344	12,898	74.4	902	2,242	1,302	16,032	12,750	76.3
England.....	13,038	5.8	7,249	5,789	13,038	9,015	69.2	613	1,481	1,927	12,326	8,767	71.1
Netherlands.....	12,471	5.5	7,087	5,384	12,471	8,063	64.6	974	4,206	628	10,715	6,360	59.4
Ireland.....	10,686	4.7	5,425	5,261	10,686	7,008	65.6	299	822	1,957	10,538	7,561	71.7
Czechoslovakia.....	9,150	4.0	4,747	4,403	9,150	6,504	71.0	685	1,294	607	8,037	6,379	73.9
Canada.....	8,944	4.0	4,574	4,370	8,929	6,119	68.5	208	757	1,845	8,477	5,950	70.2
Russia.....	7,319	3.2	4,194	3,125	7,319	3,336	45.6	734	2,812	437	6,096	2,903	47.6
Italy.....	4,956	2.2	3,291	1,665	4,956	1,338	27.0	405	2,857	295	4,327	1,239	28.6
Austria.....	4,334	1.9	2,572	1,762	4,334	2,516	58.1	358	1,063	397	4,051	2,420	59.7
Scotland.....	3,967	1.8	2,139	1,828	3,967	2,792	70.4	150	451	574	3,772	2,716	72.0
Greece.....	2,884	1.3	2,615	269	2,884	620	21.5	374	1,682	208	2,744	599	21.8
Switzerland.....	2,871	1.3	1,634	1,237	2,871	2,180	75.9	135	265	291	2,819	2,156	76.5
Mexico.....	2,650	1.2	1,786	864	2,650	77	3.0	32	2,288	163	1,843	70	3.8
France.....	2,125	0.9	1,205	920	2,125	1,416	66.6	109	332	268	1,963	1,355	69.0
Poland.....	2,028	0.9	1,223	805	2,028	938	46.3	225	744	120	1,836	904	49.2
All other countries.....	10,072	4.5	6,331	3,741	9,832	5,008	51.5	830	2,971	963	9,125	4,834	53.0

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

SEX.	Total foreign born: 1920	YEAR OF IMMIGRATION.							PER CENT OF TOTAL ARRIVING IN—						
		1918-1919	1916-1917	1911-1915	1906-1910	1901-1905	1900 or earlier.	Year not reported.	1918-1919	1916-1917	1911-1915	1906-1910	1901-1905	1900 or earlier.	Year not reported.
Both sexes.....	225,994	1,933	2,244	19,501	18,633	14,794	136,092	32,797	0.9	1.0	8.6	8.2	6.5	60.2	14.5
Male.....	127,369	1,075	1,371	12,387	11,886	9,122	77,043	13,885	0.8	1.1	9.7	9.3	7.2	61.0	10.9
Female.....	98,625	858	873	7,114	6,747	5,672	58,449	18,912	0.9	0.9	7.2	6.8	5.8	59.3	19.2

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

SEX.	FOREIGN-BORN WHITE 10 YEARS OF AGE AND OVER: 1920			FOREIGN-BORN WHITE 21 YEARS OF AGE AND OVER: 1920		
	Total number.	Unable to speak English.		Total number.	Unable to speak English.	
		Number.	Per cent.		Number.	Per cent.
Both sexes.....	223,752	9,559	4.3	214,479	9,210	4.3
Male.....	126,109	4,239	3.4	121,392	4,066	3.3
Female.....	97,643	5,320	5.4	93,087	5,144	5.5

COMPOSITION AND CHARACTERISTICS.

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

[See also Table 2.]

CLASS OF POPULATION AND SEX.	Total number of persons attending school: 1920	PERSONS 7 TO 13 YEARS OF AGE.			PERSONS 14 AND 15 YEARS OF AGE.			PERSONS 16 AND 17 YEARS OF AGE.			PERSONS 18 TO 20 YEARS OF AGE.			OTHERS ATTENDING SCHOOL.	
		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Under 7 years of age.	21 years of age and over.
			Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		
All classes.....	526,864	325,918	309,744	95.0	87,074	74,732	85.8	87,718	45,078	51.4	126,538	24,524	19.4	62,457	10,329
Male.....	263,187	164,714	156,532	95.0	43,957	37,534	85.4	43,991	20,558	46.7	62,160	11,543	18.6	31,230	5,790
Female.....	263,677	161,204	153,212	95.0	43,117	37,198	86.3	43,727	24,520	56.1	64,378	12,981	20.2	31,227	4,539
Native white:															
Native parentage.....	405,901	250,731	238,772	95.2	63,710	55,870	87.7	62,393	34,464	55.2	87,240	18,780	21.5	50,664	7,342
Male.....	202,482	126,652	120,561	95.2	32,174	27,916	86.8	31,293	15,791	50.5	42,647	8,758	20.6	25,401	4,055
Female.....	203,419	124,079	118,211	95.3	31,536	27,954	88.6	31,100	18,673	60.0	44,593	10,031	22.4	25,263	3,287
Foreign parentage.....	48,980	30,339	28,001	94.3	9,613	7,630	79.4	10,445	4,123	38.7	17,435	2,204	12.6	5,133	1,209
Male.....	24,493	15,284	14,438	94.5	4,817	3,863	80.2	5,360	1,865	34.8	8,630	1,082	12.5	2,553	692
Female.....	24,487	15,055	14,163	94.1	4,796	3,767	78.5	5,285	2,258	42.7	8,799	1,122	12.8	2,580	577
Mixed parentage.....	62,794	38,899	36,981	95.1	11,628	9,676	83.2	12,233	5,708	46.7	17,485	3,127	17.9	6,085	1,217
Male.....	31,635	19,767	18,800	95.2	5,959	5,006	84.0	6,081	2,551	42.0	8,710	1,498	17.2	3,009	671
Female.....	31,259	19,142	18,181	95.0	5,669	4,670	82.4	6,152	3,157	51.3	8,775	1,629	18.6	3,076	546
Foreign-born white.....	5,704	3,714	3,267	88.0	1,520	1,040	68.4	1,830	527	28.8	3,862	277	7.2	173	420
Male.....	2,948	1,913	1,679	87.8	720	510	70.8	933	233	25.0	1,749	134	7.7	88	304
Female.....	2,756	1,801	1,588	88.2	800	530	66.3	897	294	32.8	1,613	143	8.9	85	116
Negro.....	3,335	2,154	2,046	95.0	587	501	85.3	593	240	40.5	957	110	11.5	395	43
Male.....	1,622	1,066	1,015	95.2	281	234	83.3	306	108	35.3	476	56	11.8	179	30
Female.....	1,713	1,088	1,031	94.8	306	267	87.3	287	132	46.0	481	54	11.2	216	13

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

[See also Table 2.]

YEAR OF AGE.	NUMBER AND PER CENT OF TOTAL AT SPECIFIED AGE ATTENDING SCHOOL: 1920															
	All classes.						Native white.						Foreign-born white.		Negro.	
	Both sexes.		Male.		Female.		Native parentage.		Foreign parentage.		Mixed parentage.		Num-ber.	Per cent.	Num-ber.	Per cent.
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.				
5 years.....	21,480	43.9	10,557	42.6	10,923	45.2	17,653	44.8	1,644	39.6	1,096	40.7	43	27.6	143	47.7
6 years.....	40,058	83.0	20,214	82.5	19,844	83.4	32,259	83.6	3,399	80.6	4,021	81.0	127	61.4	246	83.1
7 years.....	44,517	91.5	22,650	91.7	21,867	91.4	35,365	91.9	3,803	89.8	4,806	91.0	244	78.7	292	80.6
8 years.....	44,672	92.2	22,490	93.0	22,182	93.4	35,195	93.4	3,915	92.3	4,910	92.7	310	83.9	308	95.1
9 years.....	43,363	93.8	21,930	93.8	21,433	93.0	33,774	94.0	3,868	92.8	5,021	94.0	307	85.7	290	94.5
10 years.....	45,282	96.8	23,004	96.0	22,278	96.7	34,845	96.9	4,228	96.7	5,352	97.0	848	91.6	292	96.7
11 years.....	43,948	97.3	22,100	97.3	21,848	97.3	33,641	97.4	4,103	97.0	5,399	97.3	524	90.2	273	96.8
12 years.....	45,515	97.0	23,012	96.9	22,503	97.0	34,243	97.2	4,441	96.4	5,870	96.0	644	89.2	305	96.5
13 years.....	42,447	95.9	21,346	96.1	21,101	95.7	31,706	96.2	4,243	94.7	5,608	96.1	501	89.5	280	96.3
14 years.....	40,836	91.4	20,623	91.5	20,213	91.3	30,652	92.6	4,200	87.7	5,138	89.7	599	76.6	268	90.8
15 years.....	33,866	70.9	16,911	78.9	16,955	80.9	25,218	82.4	3,430	71.1	4,538	76.0	471	60.6	233	79.8
16 years.....	26,482	59.1	12,332	54.9	14,150	63.4	20,276	63.0	2,388	46.0	3,350	54.1	313	34.4	139	48.4
17 years.....	18,596	43.3	8,226	38.2	10,370	48.4	14,188	46.9	1,735	31.8	2,349	39.0	214	23.2	101	33.0
18 years.....	12,102	28.5	5,424	25.8	6,738	31.0	9,370	31.4	1,066	19.1	1,542	26.0	132	12.2	49	16.0
19 years.....	7,547	17.9	3,694	17.6	3,853	18.2	5,716	19.6	716	12.4	970	16.7	98	9.2	38	11.6
20 years.....	4,815	11.6	2,425	12.0	2,390	11.1	3,703	13.1	422	6.0	615	10.7	47	3.9	23	7.1

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

[See also Table 4.]

SEX AND AGE PERIOD.	ALL CLASSES: 1920			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
	Total. num- ber.	Illiterate.		Native parentage.			Foreign parentage.			Mixed parentage.			Total num- ber.	Illiterate.		Total num- ber.	Illiterate.	
		Num- ber.	Per cent.	Total num- ber.	Illiterate.		Total num- ber.	Illiterate.		Total num- ber.	Illiterate.			Total num- ber.	Illiterate.			
					Num- ber.	Per cent.		Num- ber.	Per cent.		Num- ber.	Per cent.			Num- ber.		Per cent.	Num- ber.	Per cent.
10 years and over	1,913,155	20,680	1.1	1,130,271	5,921	0.5	337,491	1,641	0.5	205,043	713	0.3	223,752	11,004	4.9	15,902	1,283	8.1
Male.....	980,360	11,353	1.2	573,087	3,744	0.7	170,059	914	0.5	102,021	438	0.4	120,109	5,487	4.6	8,578	705	8.2
Female.....	932,795	9,327	1.0	557,184	2,177	0.4	167,432	727	0.4	103,022	275	0.3	97,643	5,517	5.7	7,324	578	7.9
21 years and over	1,428,682	19,444	1.4	778,247	5,267	0.7	282,105	1,489	0.5	140,728	576	0.4	214,479	10,749	5.0	12,568	1,249	9.9
Male.....	737,829	10,608	1.4	397,210	3,342	0.8	142,285	821	0.6	69,590	364	0.5	121,392	5,338	4.4	6,839	681	9.8
Female.....	690,853	8,836	1.3	381,037	1,925	0.5	139,820	668	0.5	71,138	212	0.3	93,087	5,411	5.8	5,029	568	10.1
Both sexes:																		
10 to 14 years.....	227,801	423	0.2	171,776	276	0.2	22,481	51	0.2	28,696	52	0.2	3,304	36	1.1	1,492	8	0.5
15 to 24 years.....	425,863	1,701	0.4	290,632	656	0.2	61,126	103	0.3	57,953	141	0.2	12,671	658	5.2	3,304	68	2.1
25 to 34 years.....	385,334	3,218	0.8	220,884	810	0.4	76,137	227	0.3	47,099	135	0.3	31,360	1,879	6.0	3,746	141	3.8
35 to 44 years.....	308,278	3,345	1.1	162,551	821	0.5	68,185	284	0.4	34,439	123	0.4	39,827	1,935	4.7	3,166	208	6.6
45 to 54 years.....	246,734	3,085	1.3	119,772	882	0.7	59,716	326	0.5	20,944	90	0.4	43,957	1,479	3.4	2,250	279	12.4
55 to 64 years.....	171,316	3,174	1.9	82,348	935	1.1	36,492	344	0.9	10,015	75	0.7	41,352	1,559	3.8	1,074	249	23.2
65 years and over	144,392	5,628	3.9	73,626	1,495	2.0	13,082	243	1.9	5,870	96	1.6	51,012	3,469	6.8	780	313	40.1
Male:																		
10 to 14 years.....	114,953	245	0.2	89,519	161	0.2	11,386	32	0.3	14,613	27	0.2	1,682	20	1.2	717	5	0.7
15 to 24 years.....	211,615	1,050	0.6	143,885	427	0.3	30,167	92	0.3	28,737	83	0.3	7,074	400	5.7	1,622	48	3.0
25 to 34 years.....	190,915	1,978	1.0	114,769	571	0.5	37,885	133	0.4	22,812	75	0.3	19,320	1,093	5.7	1,975	88	4.5
35 to 44 years.....	157,928	1,985	1.3	82,808	531	0.6	33,783	171	0.5	16,894	77	0.5	22,528	1,081	4.8	1,776	113	6.4
45 to 54 years.....	131,217	1,853	1.4	63,232	569	0.9	30,755	205	0.7	10,760	63	0.6	25,058	833	3.3	1,846	165	12.3
55 to 64 years.....	91,230	1,680	1.8	43,040	598	1.4	19,164	182	0.9	6,180	52	1.0	23,175	715	3.1	645	129	20.0
65 years and over	74,688	2,492	3.3	37,359	804	2.3	6,776	97	1.4	2,966	60	2.0	27,088	1,319	4.9	441	149	33.8
Female:																		
10 to 14 years.....	112,848	178	0.2	85,257	115	0.1	11,095	19	0.2	14,078	25	0.2	1,622	16	1.0	775	3	0.4
15 to 24 years.....	214,248	641	0.3	140,747	229	0.2	30,959	71	0.2	29,216	58	0.2	5,697	258	4.6	1,682	20	1.2
25 to 34 years.....	188,419	1,240	0.7	112,115	239	0.2	38,252	94	0.2	24,195	60	0.2	12,040	786	6.5	1,771	93	3.0
35 to 44 years.....	150,350	1,860	0.9	79,083	290	0.4	34,402	113	0.3	17,545	46	0.3	17,290	804	4.6	1,300	56	6.8
45 to 54 years.....	115,517	1,232	1.1	56,540	313	0.6	28,960	121	0.4	10,194	27	0.3	15,399	646	3.4	904	114	12.6
55 to 64 years.....	80,086	1,494	1.9	39,308	337	0.9	17,328	162	0.9	4,855	23	0.5	18,777	844	4.6	429	120	28.0
65 years and over	69,754	3,136	4.5	36,267	631	1.7	6,306	146	2.3	2,904	36	1.2	23,924	2,150	9.0	339	164	48.4

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

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

COUNTRY OF ORIGIN.	Total foreign white stock: 1920	Foreign-born white: Birth-place of father.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.				MOTHER TONGUE.	Total foreign white stock: 1920	Foreign-born white.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.			
			Total.	Both parents foreign.	Father foreign.	Mother foreign.				Total.	Both parents foreign.	Father foreign.	Mother foreign.
Total.....	855,028	225,647	629,981	376,710	173,228	80,043	Total.....	855,028	225,647	629,981	376,710	173,228	80,043
Northwestern Europe:							English and Celtic.....	197,024	38,247	159,377	73,460	57,205	28,712
England.....	56,786	13,749	43,037	15,588	18,524	8,925	Germanic:						
Scotland.....	17,725	5,074	12,651	4,918	5,064	2,669	German.....	341,301	78,959	262,342	158,360	72,924	31,058
Wales.....	7,170	1,682	5,488	2,400	2,094	994	Dutch and Frisian.....	35,787	12,542	23,245	14,741	5,689	2,815
Ireland.....	75,924	12,495	63,429	36,973	18,774	7,682	Flemish.....	2,280	950	1,321	970	263	88
Norway.....	62,568	17,308	45,260	28,305	11,197	5,758	Scandinavian:						
Sweden.....	63,788	22,643	41,145	28,186	8,630	4,329	Swedish.....	63,461	22,483	40,978	28,121	8,558	4,290
Denmark.....	47,252	18,079	29,173	19,619	6,843	2,711	Norwegian.....	62,513	17,324	45,189	28,258	11,179	5,752
Netherlands.....	35,587	12,486	23,101	14,657	5,022	2,822	Danish.....	47,970	18,225	29,745	20,027	6,963	2,755
Belgium.....	2,987	1,262	1,725	1,130	438	157	Latin and Greek:						
Luxemburg.....	6,919	1,608	5,251	2,678	2,084	480	Italian.....	9,812	5,005	4,807	4,185	551	71
Switzerland.....	10,798	2,870	7,928	3,591	3,095	1,242	French.....	10,653	2,529	8,124	3,246	3,581	1,297
France.....	6,464	1,644	4,820	1,818	2,258	744	Spanish.....	3,263	2,622	641	478	115	48
Central and Eastern Europe:							Portuguese.....	77	44	33	5	26	2
Germany.....	314,401	72,672	241,819	145,592	67,204	20,023	Rumanian.....	324	218	106	85	6	15
Austria.....	42,100	13,967	28,133	19,153	5,845	3,135	Greek.....	3,408	2,894	514	334	173	7
Hungary.....	3,951	1,926	2,025	1,742	219	64	Slavic and Lettic:						
Russia.....	16,466	8,064	7,501	6,502	738	261	Polish.....	3,082	1,448	1,634	1,259	269	106
Finland.....	164	92	72	28	30	14	Czech.....	32,859	9,940	22,919	15,051	4,583	2,085
Rumania.....	412	249	163	131	12	20	Slovak.....	1,880	783	1,097	966	114	17
Bulgaria, Serbia, and Montenegro.....	791	575	216	189	19	8	Russian.....	5,145	2,857	2,288	2,004	204	80
Turkey in Europe.....	72	59	13	2	10	1	Ruthenian.....	53	30	23	16	4	3
Southern Europe:							Slovenian.....	649	296	353	268	73	12
Greece.....	3,341	2,840	501	322	172	7	Serbo-Croatian.....	3,526	1,808	1,718	1,658	45	15
Italy.....	9,689	4,985	4,704	4,133	505	66	Bulgarian.....	323	267	56	34	22	.....
Spain.....	119	58	61	13	25	23	Slavic, not specified.....	3	3	.....	.....	.....	.....
Portugal.....	34	12	22	2	18	2	Lithuanian and Lettish.....	1,613	971	642	548	76	18
Europe, not specified.....	317	32	285	193	54	38	Unclassified:						
Asia:							Yiddish and Hebrew.....	7,399	3,893	3,506	3,133	303	70
Turkey in Asia.....	1,180	662	518	431	81	6	Magyar.....	743	361	382	300	57	25
All other countries.....	137	44	93	18	44	31	Finnish.....	138	83	55	26	24	5
America:							Armenian.....	118	93	25	9	16	.....
Canada—French.....	2,032	241	1,691	618	712	361	Syrian and Arabic.....	1,026	540	486	415	60	5
Canada—Other.....	29,169	4,461	24,708	4,128	12,348	8,232	Turkish.....	40	31	15	11	4	.....
Newfoundland.....	54	26	28	7	15	6	Albanian.....	7	7	.....	.....	.....	.....
West Indies.....	161	53	98	21	58	19	All other.....	89	26	63	58	.....	5
Mexico.....	3,093	2,525	568	458	88	22	Unknown.....	549	159	390	177	135	78
Central and South America.....	118	41	77	10	48	19	Of mixed mother tongue.....	17,007	17,007	17,007	17,007	17,007	17,007
All other.....	991	103	588	65	360	163							
Of mixed foreign parentage.....	33,089	.....	33,089	33,089	.....	.....					

¹ Except possessions of the United States.

² Probably includes a considerable proportion of Hebrews erroneously reported as of Russian mother tongue.

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

COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.	COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.
			Total.	Free.	Encum- bered.	Un- known.					Total.	Free.	Encum- bered.	Un- known.	
The state	586,070	239,880	332,567	205,115	119,289	8,163	13,623	COUNTIES—con.							
COUNTIES.								Davis.....	3,222	969	2,104	1,253	841	100	59
Adair.....	3,580	1,417	2,066	1,012	790	264	97	Decatur.....	4,019	1,356	2,566	1,381	1,151	84	97
Adams.....	2,633	962	1,616	901	686	29	55	Delaware.....	4,335	1,650	2,624	1,761	823	40	61
Allamakee.....	4,071	1,131	2,847	1,934	877	36	93	Des Moines.....	9,401	3,837	5,451	3,772	1,594	85	113
Appanoose.....	7,461	2,977	4,312	2,706	1,519	87	172	Dickinson.....	2,365	1,074	1,244	707	528	9	47
Audubon.....	2,884	997	1,833	937	870	26	54	Dubuque.....	13,269	6,047	6,761	4,580	2,032	149	461
Benton.....	6,060	2,282	3,644	2,463	1,072	109	134	Emmet.....	2,847	1,222	1,544	777	723	44	81
Black Hawk.....	14,064	6,538	7,262	3,935	3,238	89	264	Fayette.....	7,205	2,672	4,427	2,975	1,399	53	106
Boone.....	7,097	2,940	4,023	2,670	1,311	42	134	Floyd.....	4,877	2,054	2,747	1,810	873	64	76
Bremner.....	4,170	1,388	2,736	1,957	714	65	40	Franklin.....	3,705	1,653	1,933	1,099	806	28	119
Buchanan.....	4,750	1,817	2,819	1,872	859	88	114	Fremont.....	3,843	1,535	2,004	1,088	642	334	244
Buena Vista.....	4,522	1,973	2,501	1,562	920	19	48	Greene.....	4,024	1,782	2,127	1,399	682	46	115
Butler.....	4,368	1,773	2,508	1,697	772	39	87	Grundy.....	3,355	1,520	1,714	1,134	550	80	121
Calhoun.....	4,346	1,915	2,285	1,559	654	72	146	Guthrie.....	4,468	1,714	2,671	1,638	958	75	83
Carroll.....	4,934	1,962	2,817	1,970	740	107	155	Hamilton.....	4,682	1,884	2,683	1,605	956	122	115
Cass.....	4,971	1,910	2,900	1,681	1,175	44	161	Hancock.....	3,262	1,378	1,798	1,045	712	41	88
Cedar.....	4,436	1,633	2,646	1,777	758	111	157	Hardin.....	5,700	2,279	3,322	2,203	977	52	99
Cerro Gordo.....	8,009	3,884	3,909	1,938	1,761	210	216	Harrison.....	5,845	2,263	3,442	1,935	1,464	43	140
Cherokee.....	3,945	1,816	2,071	1,353	689	29	58	Henry.....	4,596	1,571	2,949	2,088	792	69	76
Chickasaw.....	3,703	1,233	2,415	1,570	798	47	55	Howard.....	3,204	1,078	2,075	1,351	598	128	51
Clarke.....	2,755	948	1,717	943	682	92	90	Humboldt.....	3,049	1,224	1,786	998	702	26	39
Clay.....	3,723	1,687	1,993	1,150	822	21	43	Ida.....	2,777	1,192	1,555	1,035	509	11	30
Clayton.....	6,017	1,696	4,205	3,037	1,124	44	116	Iowa.....	4,527	1,635	2,814	1,809	932	73	78
Clinton.....	10,864	4,146	6,528	4,525	1,858	145	190	Jackson.....	4,995	1,590	3,317	2,370	905	42	88
Crawford.....	4,853	1,727	2,967	1,753	1,053	161	159	Jasper.....	7,001	2,605	4,070	2,327	1,534	200	325
Dallas.....	6,489	2,866	3,463	2,345	1,075	43	160	Jefferson.....	4,344	1,641	2,651	1,761	852	38	52
								Johnson.....	6,696	2,417	4,140	2,864	1,221	55	139

COMPOSITION AND CHARACTERISTICS.

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

COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.	COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.	
			Total.	Free.	Encum-bered.	Un-known.					Total.	Free.	Encum-bered.	Un-known.		
COUNTIES—con.																
Jones.....	4,432	1,582	2,710	1,763	862	85	140	Warren.....	4,083	1,510	2,915	1,681	1,187	47	258	
Keokuk.....	5,577	1,721	3,755	2,572	1,122	61	101	Washington.....	5,330	1,818	3,435	2,373	980	82	77	
Kossuth.....	5,384	2,217	3,006	1,668	1,279	59	161	Wayne.....	4,092	1,380	2,615	1,585	995	35	97	
Lee.....	10,114	4,430	5,556	3,957	1,547	52	128	Webster.....	8,853	4,024	4,625	2,701	1,839	85	204	
								Winnebago.....	2,830	1,029	1,706	933	711	62	95	
Linn.....	19,021	7,840	10,916	6,168	4,657	91	265	Winneshiek.....	5,132	1,355	3,701	2,584	1,022	95	76	
Louisia.....	3,130	1,272	1,809	1,161	624	24	49	Woodbury.....	20,973	11,146	9,453	4,822	4,474	157	374	
Lucas.....	3,917	1,539	2,247	1,404	752	91	131	Worth.....	2,620	1,058	1,481	945	519	17	87	
Lyon.....	3,251	1,581	1,612	989	596	27	58	Wright.....	4,796	2,129	2,570	1,569	964	37	97	
Madison.....	3,905	1,351	2,409	1,363	979	67	145	CITIES.								
Mahaska.....	6,766	2,706	3,830	2,361	1,304	105	230	Boone.....	3,059	1,203	1,799	1,234	549	16	57	
Marion.....	6,370	2,209	3,909	2,672	1,126	111	252	Burlington.....	6,547	2,922	3,570	2,493	1,059	18	55	
Marshall.....	8,035	3,399	4,423	2,899	1,490	84	213	Cedar Rapids.....	11,612	5,204	6,236	3,142	3,043	51	172	
Mills.....	3,364	1,453	1,844	1,240	540	58	67	Clinton.....	6,245	2,445	3,680	2,370	987	29	114	
								Council Bluffs.....	8,789	3,423	5,193	2,658	2,386	151	173	
Mitchell.....	3,443	1,137	2,252	1,559	654	39	59	Davenport.....	14,388	7,532	6,616	3,704	2,765	147	240	
Monona.....	4,053	1,803	2,177	1,299	843	35	73	Ward 1.....	2,111	914	1,154	440	612	102	43	
Monroe.....	5,512	2,697	2,522	1,652	820	50	293	Ward 2.....	2,413	1,188	1,188	725	459	4	37	
Montgomery.....	4,305	1,584	2,596	1,578	972	46	125	Ward 3.....	2,343	1,330	975	655	314	6	38	
Muscatine.....	7,770	3,328	4,299	3,047	1,228	24	143	Ward 4.....	2,269	1,526	685	441	234	10	58	
								Ward 5.....	2,803	1,583	1,186	688	487	11	34	
O'Brien.....	4,449	1,890	2,470	1,619	819	32	80	Ward 6.....	2,449	991	1,428	755	659	14	30	
Osceola.....	2,188	1,105	1,065	645	389	31	18	Des Moines.....	31,644	15,123	15,810	7,674	7,823	313	711	
Pago.....	5,866	2,203	3,426	1,642	1,332	452	237	Ward 1.....	8,139	3,190	4,734	2,032	2,650	52	215	
Palo Alto.....	3,415	1,506	1,840	1,112	634	94	69	Ward 2.....	3,555	2,326	1,148	555	563	30	81	
Plymouth.....	5,279	2,381	2,818	2,057	734	27	80	Ward 3.....	5,351	3,105	2,166	878	1,269	19	80	
								Ward 4.....	3,066	1,887	1,633	961	617	55	146	
Pocahontas.....	3,565	1,552	1,921	1,160	700	61	92	Ward 5.....	3,074	1,618	1,395	745	641	9	61	
Polk.....	37,859	17,698	19,261	9,596	9,266	390	900	Ward 6.....	3,037	1,738	2,128	1,225	843	60	71	
Pottawattamie.....	14,825	5,958	8,495	4,635	3,568	292	372	Ward 7.....	3,922	1,259	2,606	1,278	1,240	88	57	
Poweshiek.....	5,039	1,966	2,947	1,642	1,247	58	126	Dubuque.....	9,314	4,900	4,079	2,869	1,121	89	245	
Ringgold.....	3,192	1,049	2,066	751	1,028	287	77	Fort Dodge.....	4,506	2,223	2,275	1,269	985	21	98	
								Fort Madison.....	2,091	1,382	1,538	1,145	378	15	71	
Sac.....	4,160	1,775	2,270	1,621	627	22	115	Iowa City.....	3,053	1,286	1,708	1,308	387	13	69	
Scott.....	18,485	9,181	8,963	5,070	3,077	216	341	Keokuk.....	3,881	1,954	1,903	1,314	577	12	24	
Shelby.....	3,682	1,408	2,115	1,213	761	141	159	Marshalltown.....	4,225	1,795	2,354	1,503	837	14	76	
Sioux.....	5,643	2,433	3,093	2,180	893	20	117	Mason City.....	4,590	2,389	2,061	875	1,058	123	140	
Story.....	6,064	2,788	3,734	2,401	1,251	82	142	Muscatine.....	4,416	1,978	2,376	1,761	606	9	62	
								Ottumwa.....	6,032	2,721	3,146	2,104	1,010	32	165	
Tama.....	5,609	2,014	3,450	2,418	959	73	145	Sioux City.....	16,234	8,952	7,030	3,514	3,407	109	252	
Taylor.....	4,074	1,373	2,637	1,556	1,063	18	64	Waterloo.....	9,071	4,583	4,312	2,115	2,149	48	176	
Union.....	4,493	1,586	2,823	1,755	1,012	56	84									
Van Buren.....	3,797	1,184	2,584	1,838	720	26	29									
Wapello.....	9,799	4,063	5,404	3,551	1,830	83	272									

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

[Population 10 years of age and over—Total, 1,913,155; males, 980,360; females, 932,795. Persons gainfully occupied—Total, 858,698; males, 717,377; females, 141,321. Per cent of persons 10 years of age and over gainfully occupied—Total, 44.9; males, 73.2; females, 15.2.]

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.
		Native parentage.	Foreign or mixed parentage.									
MALES.....	717,377	400,726	210,577	98,445	7,346	233	26,795	28,089	90,614	1,342,576	196,289	33,014
Agriculture, forestry, and animal husbandry.....	319,831	169,101	108,092	42,243	382	13	13,956	14,330	43,376	149,821	84,724	13,625
Dairy farmers.....	780	400	236	142	2	.....	.....	7	41	339	328	65
Ditchers (farm).....	1,834	700	404	637	3	.....	11	30	162	1,145	437	49
Farm foremen, general farms.....	2,271	1,401	677	189	4	.....	.....	29	302	1,182	620	136
Farm laborers (home farm).....	30,523	18,361	11,337	799	26	.....	8,493	6,045	10,039	5,380	464	102
Farm laborers (working out).....	67,969	40,444	20,073	7,327	118	7	5,027	7,103	19,644	26,336	8,268	1,591
Farmers, general farms.....	205,546	101,742	72,167	31,451	183	3	.....	741	12,183	111,345	70,956	10,321
Florists, fruit growers, landscape gardeners, and nurserymen.....	571	274	165	132	.....	.....	.....	4	25	191	242	109
Garden laborers.....	596	304	169	119	3	1	82	40	64	148	164	98
Gardeners.....	2,430	1,237	591	592	10	.....	.....	7	44	589	1,080	719
Greenhouse, orchard, and nursery laborers.....	619	384	125	108	2	.....	61	25	100	234	148	51
Lumbermen, raftsmen, and woodchoppers.....	518	370	105	40	3	.....	17	24	58	192	180	47
Stock herders, drovers, and feeders.....	1,299	816	373	107	2	1	179	177	364	413	146	20
Stock raisers.....	3,116	1,483	1,203	429	1	.....	.....	10	144	1,555	1,196	211
All other occupations.....	1,759	1,095	467	171	25	1	86	88	205	772	495	113
Extraction of minerals.....	14,176	5,576	2,891	4,587	1,120	2	545	553	1,563	7,234	3,830	452
Coal mine operatives.....	12,809	4,904	2,523	4,277	1,103	2	532	522	1,437	6,541	3,378	399
Quarry operatives.....	555	274	119	147	15	.....	11	20	78	288	143	15
All other occupations.....	812	398	249	163	2	.....	2	11	47	405	309	38

1 Includes 951 males of unknown age.

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.						AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.		10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.
		Native parent-age.	Foreign or mixed parent-age.										
MALES—Continued.													
Manufacturing and mechanical industries.....	158,173	89,029	41,122	25,587	2,394	41	4,975	6,068	19,551	75,873	43,787	7,910	
Apprentices to building and hand trades.....	960	620	293	48	3	.....	588	155	159	58	9	.....
Apprentices, other.....	710	508	183	14	5	.....	484	126	68	30	2	.....
Bakers.....	1,442	740	366	325	10	1	43	104	201	771	1,654	404	27
Blacksmiths.....	4,123	1,948	1,095	1,057	23	7	36	218	1,811	839	345	21	
Boiler makers.....	1,430	680	498	254	7	.....	29	205	180	1,397	1,229	312	
Brick and stone masons.....	3,147	1,651	819	755	22	7	4	59	1,295	1,210	151	151	
Builders and building contractors.....	2,728	1,428	774	519	7	.....	17	50	298	235	62	62	
Cabinetmakers.....	682	230	178	253	1	.....	60	264	1,409	9,477	8,287	1,735	
Carpenters.....	21,232	11,637	5,803	3,852	38	2	47	96	398	1,192	495	50	
Compositors, linotypers, and typesetters.....	2,278	1,515	629	131	5	1	150	675	1,979	335	15	15	
Electricians.....	3,154	2,162	851	135	17	.....	17	28	202	1,624	1,061	156	
Engineers (stationary).....	3,088	1,945	808	318	17	.....	54	217	612	84	84	84	
Firemen (except locomotive and fire department).....	1,934	1,127	410	285	112	.....	28	25	201	1,856	940	52	
Foremen and overseers (manufacturing).....	3,074	1,673	909	472	20	.....	191	191	559	273	19	19	
Iron molders, founders, and casters.....	1,483	760	415	289	19	1	41	56	331	138	28	28	
Jewelers and watchmakers (not in factory).....	561	325	161	74	1	.....	.....	.....	.....	.....	.....	.....
Laborers (not otherwise specified):													
Brick, tile, and terra cotta factories.....	1,702	912	266	466	50	8	55	94	263	892	356	42	
Building, general, and not specified laborers.....	18,882	12,063	3,996	2,187	601	5	824	1,017	2,888	7,403	5,743	1,477	
Food industries—													
Slaughter and packing houses.....	4,592	1,947	861	1,561	413	10	324	295	748	2,223	870	132	
Other food industries.....	2,291	1,251	529	471	40	.....	177	168	350	909	600	87	
Helpers in building and hand trades.....	1,342	737	355	178	72	.....	78	80	181	564	368	71	
Iron and steel industries—													
Car and railroad shops.....	989	317	229	356	86	1	58	49	123	430	263	66	
Other iron and steel industries.....	4,013	2,171	961	737	144	.....	240	251	604	1,761	971	126	
Lime, cement, and artificial stone factories.....	1,548	664	217	604	61	2	59	84	293	756	303	23	
Saw and planing mills ¹	983	321	214	143	5	.....	67	62	92	205	191	76	
Other industries.....	5,648	3,455	1,320	734	103	.....	512	456	905	2,321	1,342	222	
Machinists.....	10,200	6,902	3,124	1,121	53	.....	.....	18	158	5,798	1,842	176	
Managers and superintendents (manufacturing).....	3,250	2,006	822	518	1	1	.....	4	83	1,292	1,216	165	
Manufacturers.....	2,760	1,428	812	426	71	.....	387	1,930	4,160	627	82	82	
Mechanics (not otherwise specified).....	7,186	4,855	1,834	426	71	.....	.....	4	27	198	177	38	
Millers (grain, flour, feed, etc.).....	444	203	123	62	.....	.....	.....	2	19	326	250	40	
Officials (manufacturing).....	637	303	212	62	.....	.....	.....	.....	.....	.....	.....	.....
Painters, glaziers, and varnishers (building).....	6,224	3,881	1,544	831	18	.....	26	96	375	3,065	2,228	434	
Painters, glaziers, and varnishers (factory).....	976	513	308	152	3	.....	32	41	104	464	297	38	
Plasterers and cement finishers.....	1,092	670	211	142	69	.....	.....	9	67	512	409	95	
Plumbers and gas and steam fitters.....	3,359	1,910	1,130	309	4	.....	67	408	2,100	748	36	36	
Semiskilled operatives (not otherwise specified):													
Button factories.....	1,527	954	354	214	4	1	66	44	106	894	203	34	
Cigar and tobacco factories.....	632	284	224	119	5	.....	18	8	34	305	227	40	
Clay, glass, and stone industries.....	529	288	116	105	20	.....	16	29	67	280	125	12	
Food industries—													
Butter, cheese, and condensed milk factories.....	686	346	221	119	.....	.....	22	18	85	420	137	4	
Slaughter and packing houses.....	1,900	978	398	390	131	3	94	136	311	975	349	35	
Other food industries.....	1,043	602	292	142	7	.....	181	77	176	428	162	19	
Furniture factories.....	525	220	190	113	2	.....	30	19	73	238	139	28	
Harness and saddle industries.....	1,005	406	341	106	2	.....	7	8	69	335	451	135	
Iron and steel industries—													
Automobile factories.....	1,055	741	234	72	7	1	48	65	241	553	138	10	
Car and railroad shops.....	2,211	1,062	645	485	18	1	50	99	325	1,090	587	60	
Other iron and steel industries.....	3,090	1,765	947	370	17	.....	137	197	409	1,507	676	83	
Saw and planing mills ¹	899	382	357	160	.....	.....	75	61	126	263	41	41	
Other industries.....	4,526	2,819	1,358	615	34	.....	447	311	743	2,204	920	102	
Shoemakers and cobblers (not in factory).....	1,418	476	249	683	10	.....	29	37	94	527	487	244	
Tailors.....	1,229	213	194	805	16	1	4	17	82	546	468	112	
Tinsmiths and sheet metal workers.....	1,359	682	499	176	2	.....	42	168	601	353	75	75	
All other occupations.....	4,418	2,393	1,320	665	32	2	42	123	548	2,327	1,201	177	
Transportation.....	62,685	38,849	14,681	8,024	1,113	18	1,765	2,343	7,844	31,321	16,913	2,499	
Baggage men.....	401	275	102	19	5	.....	15	66	187	126	23	7	
Boiler washers and engine hostlers.....	902	488	158	183	67	1	43	144	144	414	230	22	
Brakemen.....	2,530	1,894	648	85	3	.....	65	523	1,711	209	22	22	
Chauffeurs.....	1,659	1,078	351	134	95	1	77	142	414	826	189	11	
Conductors (steam railroad).....	1,849	1,208	573	73	.....	.....	.....	10	1,049	731	59	59	
Conductors (street railroad).....	780	544	189	47	.....	.....	3	61	481	210	16	16	
Draymen, teamsters, and expressmen ²	10,403	7,233	2,272	692	205	1	367	457	1,416	4,743	2,939	481	
Foremen and overseers (steam railroad).....	2,483	1,230	645	604	4	.....	8	82	1,152	1,152	184	107	
Foremen and overseers (other transportation industries).....	747	506	176	63	1	1	4	52	465	188	28	28	
Garage keepers and managers.....	1,746	1,104	521	119	2	.....	9	156	1,192	374	15	15	
Inspectors (steam railroad).....	889	458	223	203	2	.....	1	15	50	507	295	21	
Laborers:													
Garage.....	968	638	228	56	46	.....	81	99	214	432	98	14	
Road and street building and repairing.....	2,430	1,490	517	379	74	.....	72	85	258	326	858	231	
Steam railroad.....	12,517	6,950	2,327	3,708	520	12	657	743	1,699	5,209	3,593	616	
Other transportation industries.....	804	472	190	134	8	.....	50	60	143	286	221	56	
Livery stable keepers and managers.....	434	272	107	52	3	.....	.....	3	10	144	119	129	
Locomotive engineers.....	3,101	1,558	900	282	1	.....	.....	45	1,736	1,181	156	14	
Locomotive firemen.....	2,536	1,776	589	148	22	1	80	642	1,635	869	138	138	
Mail carriers.....	2,992	2,006	811	160	15	.....	30	54	332	1,669	264	11	
Motor men (street railroad).....	827	548	182	97	.....	.....	1	5	49	497	.....	.....

¹ Includes box factories (wood).

² 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.

COMPOSITION AND CHARACTERISTICS.

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.						
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.	
		Native parentage.	Foreign or mixed parentage.										
MALES—Continued.													
Transportation—Continued.													
Officials and superintendents (steam railroad).....	784	471	250	63	.....	.....	1	20	414	329	20	
Proprietors and managers of transfer companies.....	517	331	132	49	5	.....	2	36	265	202	12	
Proprietors, officials, and managers (telegraph and telephone).....	407	282	103	22	.....	.....	4	21	248	125	9	
Railway mail clerks.....	603	442	144	14	3	.....	22	59	376	136	10	
Switchmen and flagmen (steam railroad).....	2,594	1,624	727	237	6	3	24	240	1,537	606	184		
Telegraph and telephone linemen.....	1,080	802	237	39	2	39	105	249	573	104	10		
Telegraph operators.....	1,658	1,230	379	49	.....	28	86	335	916	268	25	
Ticket and station agents.....	973	650	273	50	.....	10	21	88	546	276	32	
All other occupations.....	3,071	2,024	764	258	24	1	303	168	400	1,285	774	141	
Trade.....	86,956	51,802	25,018	9,755	374	7	2,779	2,078	8,472	42,775	26,835	4,017	
Auctioneers.....	420	295	119	14	1	.....	3	33	219	165	19	
Bankers, brokers, and money lenders:													
Bankers and bank officials.....	4,242	2,643	1,368	231	.....	.....	.....	307	2,281	1,408	246	
Stockbrokers.....	539	375	138	26	.....	.....	.....	37	353	134	15	
Other brokers and money lenders.....	697	434	196	67	.....	.....	2	38	374	239	44	
Clerks in stores ¹	4,646	2,885	1,353	396	12	.....	480	438	1,115	1,875	640	98
Commercial travelers.....	6,537	4,400	1,695	433	7	2	.....	37	455	3,501	2,044	200
Deliverymen.....	3,707	2,586	815	236	70	.....	332	278	630	1,773	632	62
Floorwalkers, foremen, and overseers.....	508	303	151	54	.....	.....	1	34	294	161	18	
Insurance agents.....	2,902	1,954	731	215	2	.....	.....	11	182	1,353	1,091	205
Laborers (coal yards, stockyards, and warehouses).....	1,012	621	196	149	45	1	36	47	122	505	265	37	
Laborers (elevators).....	931	515	276	128	14	.....	18	32	132	468	255	26
Laborers (lumberyards).....	1,225	721	330	170	4	.....	16	42	171	540	393	63
Laborers, porters, and helpers in stores.....	2,557	1,576	500	300	120	1	255	178	378	1,076	508	72	
Meat cutters.....	531	287	109	74	1	.....	7	14	72	290	133	15
Newsboys.....	896	714	156	20	6	.....	840	10	13	23	7	3
Proprietors, officials, and managers (elevators).....	907	502	327	78	.....	.....	.....	1	37	520	328	21
Real estate agents and officials.....	4,737	2,089	1,358	386	4	.....	.....	8	98	1,698	2,526	407
Retail dealers ²	29,519	15,032	9,335	5,092	59	1	31	157	1,321	14,918	11,296	1,796	
Sales agents.....	706	453	204	49	.....	.....	.....	9	82	371	210	34
Salesmen (stores).....	16,619	10,658	4,010	1,329	20	2	728	764	3,001	8,458	3,267	401	
Undertakers.....	559	362	159	35	3	.....	.....	2	37	324	167	29
Wholesale dealers, importers, and exporters.....	947	513	316	116	2	.....	.....	2	33	464	285	63
All other occupations.....	1,603	984	456	159	4	.....	36	42	144	797	501	83
Public service (not elsewhere classified).....	8,774	5,198	2,384	1,105	87	.....	60	286	950	3,355	3,283	840
Firemen (fire department).....	684	371	261	51	1	.....	.....	3	64	423	187	7
Guards, watchmen, and doorkeepers.....	1,091	663	250	255	23	.....	2	9	29	213	594	244
Laborers (public service).....	1,188	682	242	218	46	.....	22	74	137	369	435	151
Marshals, sheriffs, detectives, etc.....	730	435	221	74	.....	.....	.....	3	14	223	406	84
Officials and inspectors (city and county).....	1,370	791	433	146	.....	.....	.....	.....	52	479	665	174
Policemen.....	722	391	220	104	7	.....	.....	1	19	321	326	55
Postmasters.....	749	451	234	64	.....	.....	.....	7	18	258	386	80
Soldiers, sailors, and marines ³	1,441	986	304	144	7	.....	29	187	570	622	31	2
United States officials (except postmasters).....	485	320	136	20	.....	.....	.....	.....	33	323	118	11
All other occupations.....	314	199	83	29	3	.....	7	2	14	124	135	32
Professional service.....	23,097	15,009	5,497	2,424	160	7	171	294	1,907	12,243	7,012	1,470	
Civil engineers and surveyors.....	1,023	733	251	38	1	.....	.....	.....	184	685	131	23
Clergymen.....	3,624	1,655	861	1,043	65	.....	.....	.....	53	1,664	1,593	314
College presidents and professors ⁴	827	535	193	96	1	2	.....	.....	48	540	221	18
Dentists.....	1,535	1,115	392	51	7	.....	.....	.....	123	1,004	364	44
Designers, draftsmen, and inventors.....	404	236	125	41	1	1	.....	27	116	210	47	4
Editors and reporters.....	682	503	141	35	3	.....	3	13	92	304	226	44
Electrical and mechanical engineers.....	532	350	134	40	2	.....	.....	.....	64	354	109	5
Lawyers, judges and justices.....	2,454	1,700	652	94	7	1	.....	.....	43	1,105	946	300
Musicians and teachers of music.....	965	600	223	118	18	1	63	47	189	479	174	13	
Photographers.....	595	374	150	71	.....	.....	7	9	48	302	202	27
Physicians and surgeons.....	3,376	2,324	781	258	13	.....	.....	.....	35	1,574	1,448	319
Showmen.....	431	295	89	37	10	.....	22	42	69	206	79	13
Teachers (school).....	2,409	1,781	518	106	4	.....	11	82	474	1,444	354	44
Theatrical owners, managers, and officials.....	436	268	128	40	.....	.....	.....	9	40	242	135	10
Veterinary surgeons.....	972	641	235	96	.....	.....	.....	.....	45	588	252	87
All other occupations.....	2,832	1,893	649	260	28	2	65	65	284	1,482	731	205	
Domestic and personal service.....	21,208	11,683	4,290	3,406	1,636	193	803	589	2,050	9,723	6,429	1,614	
Barbers, hairdressers, and manicurists.....	4,954	3,498	1,060	267	129	.....	74	111	536	3,072	1,665	96
Billiard and pool room keepers.....	950	442	309	184	15	.....	.....	5	59	521	317	48
Hotel keepers and managers.....	882	497	232	147	6	.....	.....	2	13	325	445	97
Janitors and sextons.....	3,809	1,687	734	935	452	1	101	51	92	894	1,928	743	
Porters (except in stores).....	682	138	46	41	455	2	39	27	93	354	140	29	
Restaurant, café, and lunch room keepers.....	1,986	1,096	462	381	23	24	.....	13	161	1,175	580	57
Servants.....	3,033	1,572	526	552	318	65	270	150	441	1,388	637	147	
Waiters.....	1,084	620	179	185	83	17	103	109	293	493	78	8	
All other occupations.....	3,828	2,133	742	714	155	84	216	121	362	1,501	1,239	389	

¹ Many of the "Clerks in stores" probably are "Salesmen."
² Includes, also, managers and superintendents of retail stores.

³ Includes only those resident in continental United States at the date of the enumeration.
⁴ Probably includes some teachers in schools below collegiate rank.

POPULATION—IOWA.

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (in- cludes age un- known).	45 to 64 years.	65 years and over.
		Native parent- age.	Foreign or mixed parent- age.									
MALES—Continued.												
Clerical occupations.....	22,477	14,479	6,802	1,314	80	2	1,741	1,548	4,903	10,231	3,476	578
Accountants and auditors.....	1,199	790	337	72	-----	-----	-----	21	190	731	220	37
Agents.....	2,378	1,549	659	167	3	-----	13	38	245	1,359	618	105
Bookkeepers and cashiers.....	4,620	2,892	1,485	237	5	1	102	253	1,337	2,215	620	93
Canvassers and collectors.....	598	397	155	46	-----	-----	27	20	84	236	170	61
Clerks (except clerks in stores).....	11,931	7,640	3,504	736	51	-----	664	1,041	2,745	5,423	1,792	266
Messenger, bundle, and office boys ¹	1,110	774	284	32	20	-----	904	107	53	29	10	7
Stenographers and typists.....	641	437	178	24	1	1	31	68	249	238	46	9
FEMALES.....	141,321	85,364	44,368	9,278	2,299	12	8,801	13,752	35,559	56,726	23,108	3,375
Agriculture, forestry, and animal husbandry.....	7,293	3,282	2,712	1,268	31	-----	512	411	706	1,942	2,972	750
Farm forewomen, general farms.....	531	237	139	104	1	-----	-----	-----	6	144	309	72
Farm laborers (home farm).....	1,689	830	773	84	2	-----	396	296	389	442	157	9
Farm laborers (working out).....	716	363	264	88	1	-----	91	95	205	219	90	16
Farmers, general farms.....	3,650	1,473	1,276	899	11	-----	-----	-----	58	902	2,130	569
All other occupations.....	698	379	210	93	16	-----	25	20	48	235	286	84
Extraction of minerals (all occupations).....	20	2	4	11	3	-----	1	3	1	11	4	-----
Manufacturing and mechanical industries.....	18,349	10,528	6,260	1,364	195	2	1,884	1,500	2,949	7,605	3,972	439
Compositors, linotypers, and typesetters.....	883	268	102	11	2	-----	17	51	109	171	34	1
Dressmakers and seamstresses (not in factory).....	5,555	3,060	2,051	408	35	1	26	84	321	2,633	2,230	261
Laborers (not otherwise specified):												
Food industries—												
Slaughter and packing houses.....	419	144	87	135	53	-----	46	42	81	199	49	2
Other food industries.....	412	229	133	49	1	-----	96	53	99	117	45	2
Other industries.....	1,288	764	395	84	45	-----	265	154	255	412	177	25
Milliners and millinery dealers.....	1,455	907	481	65	2	-----	21	57	221	791	333	32
Semiskilled operatives (not otherwise specified):												
Button factories.....	694	421	215	53	5	-----	142	88	160	249	47	8
Cigar and tobacco factories.....	600	377	202	21	-----	-----	98	76	132	247	44	3
Clothing industries—												
Suit, coat, cloak, and overall factories.....	595	281	269	44	1	-----	64	59	119	261	91	1
Other clothing industries.....	1,278	692	472	111	3	-----	117	88	232	555	271	15
Food industries—												
Candy factories.....	622	394	200	27	1	-----	156	99	156	169	40	2
Other food industries.....	1,110	618	345	112	35	-----	232	100	254	366	92	6
Printing, publishing, and engraving.....	523	343	160	19	1	-----	79	86	126	206	25	1
Other industries.....	2,420	1,482	798	135	4	1	461	355	549	750	251	54
All other occupations.....	995	548	350	90	7	-----	64	48	135	479	243	26
Transportation.....	4,630	3,173	1,319	113	25	-----	611	812	1,472	1,496	222	17
Telegraph operators.....	290	217	70	8	-----	-----	26	46	98	109	10	1
Telephone operators.....	3,979	2,717	1,176	84	2	-----	570	744	1,310	1,197	148	10
All other occupations.....	361	239	73	26	23	-----	15	22	64	190	64	6
Trade.....	14,930	9,225	4,955	696	54	-----	1,266	1,478	3,588	6,676	1,790	132
Bankers and bank officials.....	300	214	83	3	-----	-----	-----	-----	85	182	33	-----
Clerks in stores ²	3,092	2,222	1,209	156	15	-----	413	486	1,086	1,426	266	15
Retail dealers ³	985	534	317	130	4	-----	1	9	71	491	359	54
Saleswomen (stores).....	8,947	5,588	2,994	353	12	-----	757	922	2,106	4,136	897	30
All other occupations.....	1,006	667	282	54	23	-----	95	61	*150	441	235	24
Public service (not elsewhere classified).....	759	553	194	10	2	-----	1	30	138	421	155	14
Officials and inspectors (city and county).....	328	257	67	4	-----	-----	-----	-----	48	212	63	5
Postmistresses.....	366	251	112	3	-----	-----	-----	27	79	180	73	7
All other occupations.....	65	45	15	3	2	-----	1	3	11	29	19	2
Professional service.....	22,894	22,763	9,207	855	69	-----	314	3,109	11,519	14,730	3,017	205
College presidents and professors ⁴	380	278	94	8	-----	-----	-----	-----	58	264	57	1
Librarians.....	349	277	61	10	1	-----	-----	10	57	187	90	5
Musicians and teachers of music.....	1,942	1,387	513	35	7	-----	38	86	430	1,115	241	23
Physicians and surgeons' attendants.....	306	226	129	6	5	-----	28	53	129	141	13	2
Religious, charity, and welfare workers.....	503	321	136	43	3	-----	2	5	67	276	139	14
Teachers (school).....	23,484	16,544	6,511	400	29	-----	134	2,586	9,090	9,029	1,600	85
Trained nurses.....	3,544	2,134	1,164	246	-----	-----	31	263	1,264	1,707	259	20
All other occupations.....	2,326	1,596	599	107	24	-----	81	106	415	1,111	558	55

¹ Except telegraph messengers.² Includes 220 females of unknown age.³ Many of the "Clerks in stores" probably are "Saleswomen."⁴ Includes, also, managers and superintendents of retail stores.⁵ Probably includes some teachers in schools below collegiate rank.

COMPOSITION AND CHARACTERISTICS.

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (in- cludes age un- known).	45 to 64 years.	65 years and over.
		Native parent- age.	Foreign or mixed parent- age.									
FEMALES—Continued.												
Domestic and personal service.....	38,297	19,941	12,009	4,440	1,897	10	2,831	3,000	6,326	14,392	9,966	1,782
Barbers, hairdressers, and manicurists.....	443	246	113	20	64	.....	8	19	86	246	75	9
Boarding and lodging house keepers.....	2,127	1,203	569	308	47	.....	.....	3	30	708	1,129	257
Hotel keepers and managers.....	349	201	108	38	2	.....	.....	.....	16	128	180	25
Housekeepers and stewardesses.....	6,515	3,075	2,457	896	86	1	.....	321	888	2,638	2,157	513
Laundresses (not in laundry).....	3,318	1,741	678	510	386	3	35	34	118	1,390	1,491	250
Laundry operatives.....	1,239	791	324	82	40	2	177	112	176	498	252	24
Nurses (not trained).....	3,278	2,074	912	275	17	.....	.....	47	439	1,403	1,196	103
Restaurant, café, and lunch room keepers.....	437	238	121	52	26	.....	.....	4	25	229	167	12
Servants.....	17,041	8,105	5,858	1,981	1,095	2	2,210	2,030	3,714	5,769	2,887	431
Waitresses.....	2,619	1,820	642	128	29	.....	355	383	754	1,014	96	17
All other occupations.....	931	447	227	150	105	2	46	47	82	369	336	51
Clerical occupations.....	24,149	15,897	7,708	521	23	.....	1,381	3,409	8,860	9,453	1,010	36
Agents, canvassers, and collectors.....	386	250	117	17	2	.....	12	13	51	198	98	14
Bookkeepers and cashiers.....	8,014	5,214	2,631	165	4	.....	337	866	2,748	3,639	415	9
Clerks (except clerks in stores).....	5,296	3,618	1,558	111	9	.....	424	733	1,762	2,061	307	9
Stenographers and typists.....	9,940	6,463	3,253	218	6	.....	512	1,737	4,143	3,378	186	4
All other occupations.....	513	352	140	10	2	.....	96	60	156	177	24	.....

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

CLASS OF POPULATION.	Aggregate.	MARRIED.						Single, widowed, divorced, and unknown.
		Total.	15 to 19 years.	20 to 24 years.	25 to 34 years.	35 to 44 years.	45 years and over. ¹	
All classes.....	140,761	24,200	685	3,261	7,250	6,228	6,776	118,561
Native white—Native parentage.....	84,976	15,533	546	2,284	4,775	3,847	4,081	69,443
Native white—Foreign or mixed parentage.....	44,228	5,637	95	724	1,676	1,550	1,592	38,591
Foreign-born white.....	9,255	1,978	15	113	413	573	864	7,277
Negro.....	2,290	1,046	28	140	386	255	237	1,244
Indian.....	9	3	.....	.....	.....	1	2	6
Chinese, Japanese, and all other.....	3	3	1	.....	.....	2	.....	.....

¹Includes age unknown.

AGRICULTURE—IOWA.

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. ¹	
			Amount.	Per cent.
Population, total.....	2, 404, 021	2, 224, 771	179, 250	8. 1
Rural ²	1, 528, 526	1, 544, 717	-16, 191	-1. 0
Urban.....	875, 495	680, 054	195, 441	28. 7
Per cent rural.....	63. 6	69. 4		
Number of farms.....	213, 439	217, 044	-3, 605	-1. 7
Approximate land area of the state..... acres..	35, 575, 040	35, 575, 040		
All land in farms..... acres..	33, 474, 896	33, 930, 688	-455, 792	-1. 3
Improved land in farms..... acres..	28, 606, 951	29, 491, 199	-884, 248	-3. 0
Woodland in farms..... acres..	2, 295, 274	2, 314, 115	-18, 841	-0. 8
Other unimproved land in farms..... acres..	2, 572, 671	2, 125, 374	447, 297	21. 0
Per cent of land area in farms.....	94. 1	95. 4		
Per cent of farm land improved.....	85. 5	86. 9		
Average acreage per farm.....	156. 8	156. 3	0. 5	0. 3
Average improved acreage per farm.....	134. 0	135. 9	-1. 9	-1. 4
Value of all farm property.....	\$8, 524, 870, 956	\$3, 745, 860, 544	\$4, 779, 010, 412	127. 6
Land and buildings.....	7, 601, 772, 290	3, 257, 379, 400	4, 344, 392, 890	133. 4
Land alone.....	6, 679, 020, 577	2, 801, 973, 729	3, 877, 046, 848	138. 4
Buildings.....	922, 751, 713	455, 405, 671	467, 346, 042	102. 6
Implements and machinery.....	309, 172, 398	95, 477, 948	213, 694, 450	223. 8
Live stock.....	613, 926, 268	393, 003, 196	220, 923, 072	56. 2
Average value per farm:				
All farm property.....	39, 941	17, 259	22, 682	131. 4
Land and buildings.....	35, 616	15, 008	20, 608	137. 3
Land alone.....	31, 292	12, 910	18, 382	142. 4
Buildings.....	4, 323	2, 098	2, 225	106. 1
Implements and machinery.....	1, 449	440	1, 009	229. 3
Live stock.....	2, 876	1, 811	1, 065	58. 8
Average value per acre of land in farms:				
All farm property.....	254. 66	110. 40	144. 26	130. 7
Land and buildings.....	227. 09	96. 00	131. 09	136. 6
Land alone.....	199. 52	82. 58	116. 94	141. 6
Buildings.....	27. 57	13. 42	14. 15	105. 4
Implements and machinery.....	9. 24	2. 81	6. 43	228. 8
Live stock.....	18. 34	11. 58	6. 76	58. 4

¹ A minus sign (-) denotes decrease.

² 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 1,518,548. For this territory, the increase in population between 1910 and 1920 was 0.7 per cent, which percentage indicates the rate of growth of the rural population, leaving out of consideration the changes in classification of territory.

COUNTIES, PRINCIPAL CITIES, AND RIVERS.

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.
	Number.	Per cent of in- crease. ¹	All land.		Improved land.			
			Acres.	Per cent of in- crease. ¹	Acres.	Per cent of in- crease. ¹		
1920.....	213,439	-1.7	33,474,596	-1.3	28,606,951	-3.0	94.1	85.5
1910.....	217,044	-1.1	33,930,688	-1.9	29,491,199	-1.4	95.4	86.9
1900.....	228,622	13.2	34,674,337	13.4	29,897,552	17.6	97.2	86.5
1890.....	201,903	8.9	30,491,641	23.2	25,428,899	28.0	85.7	83.4
1880.....	185,351	59.4	24,752,700	59.3	19,866,541	111.4	69.6	80.3
1870.....	116,292	90.1	15,541,793	54.3	9,396,437	147.7	43.7	60.5
1860.....	61,163	313.1	10,069,907	268.0	3,792,792	359.9	28.3	37.7
1850.....	14,805	.....	2,730,064	.....	824,682	.....	7.7	30.1

¹ 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.	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.
1920.....	\$8,524,870,956	127.6	\$7,601,772,290	133.4	\$309,172,398	223.8	\$613,026,268	56.2
1910.....	3,745,880,544	104.2	3,257,379,400	117.5	95,477,948	64.7	393,003,190	40.9
1900.....	1,834,345,546	66.7	1,497,554,790	74.6	57,060,060	53.1	275,830,006	35.1
1890.....	1,100,682,579	62.6	857,581,022	51.1	36,665,315	24.8	206,436,242	65.5
1880.....	721,517,214	81.8	567,430,227	80.6	29,371,884	79.0	124,715,103	87.9
1870.....	396,927,325	193.7	314,129,933	102.0	16,407,000	208.0	66,389,706	195.4
1860.....	147,702,873	586.4	119,899,547	619.8	5,327,033	354.2	22,476,293	509.2
1850.....	21,519,711		16,657,667		1,172,889		3,689,275	

¹ 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.	Im-proved land.	All farm property.	Land and buildings.	Imple-ments and ma-chinery.	Live stock.
1920.....	156.8	134.0	\$39,941	\$35,616	\$1,449	\$2,876
1910.....	156.3	135.9	17,259	15,008	440	1,811
1900.....	151.2	130.8	8,023	6,550	238	1,220
1890.....	151.0	125.9	5,462	4,247	182	1,022
1880.....	133.5	107.2	3,893	3,061	158	673
1870.....	133.6	80.8	3,413	2,701	141	571
1860.....	164.6	62.0	2,415	1,060	87	367
1850.....	184.8	55.7	1,464	1,125	79	249

¹ 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.	Imple-ments and ma-chinery.	Live stock.
1920.....	\$254.66	\$227.09	\$199.52	\$27.57	\$9.24	\$18.34
1910.....	110.40	96.00	82.58	13.42	2.81	11.58
1900.....	53.06	43.31	36.35	6.96	1.68	8.06
1890.....	36.10	28.13	.....	.....	1.20	6.77
1880.....	20.15	22.92	.....	.....	1.10	5.04
1870.....	25.54	20.21	.....	.....	1.06	4.27
1860.....	14.67	11.91	.....	.....	0.53	2.23
1850.....	7.87	6.09	.....	.....	0.43	1.36

¹ 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. ¹		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	213,439	217,044	-3,605	-1.7	100.0	100.0
Under 20 acres.....	11,521	13,724	-2,203	-16.1	5.4	6.3
Under 3 acres.....	477	392	85	21.7	0.2	0.2
3 to 9 acres.....	5,745	7,295	-1,550	-21.2	2.7	3.4
10 to 19 acres.....	5,299	6,037	-738	-12.2	2.5	2.8
20 to 49 acres.....	13,117	15,678	-2,561	-16.3	6.1	7.2
50 to 99 acres.....	35,959	38,712	-2,753	-7.1	16.8	17.8
100 to 174 acres.....	85,549	89,121	-3,572	-4.0	40.1	40.9
175 to 499 acres.....	65,279	68,165	-2,886	-4.3	30.6	31.4
175 to 259 acres.....	41,414	40,304	1,110	2.8	19.4	18.6
260 to 499 acres.....	23,865	27,861	-3,996	-14.4	11.2	12.8
500 to 999 acres.....	1,877	2,430	-553	-22.8	0.9	1.1
1,000 acres and over.....	137	214	-77	-36.0	0.1	0.1

¹ A minus sign (-) denotes decrease.

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

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	213,439	217,044	228,622	201,903	185,351
Under 10 acres.....	6,222	7,687	5,731	2,321	2,185
10 to 19 acres.....	5,299	6,037	5,917	3,230	3,334
20 to 49 acres.....	13,117	15,678	21,475	18,418	23,488
50 to 99 acres.....	35,959	38,712	49,665	53,345	58,610
100 to 499 acres.....	150,823	146,286	142,676	121,003	95,163
500 to 999 acres.....	1,877	2,430	2,818	3,158	2,298
1,000 acres and over.....	137	214	340	423	364
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	2.9	3.5	2.5	1.1	1.2
10 to 19 acres.....	2.5	2.8	2.6	1.6	1.8
20 to 49 acres.....	6.1	7.2	9.4	9.1	12.7
50 to 99 acres.....	16.8	17.8	21.7	26.4	31.6
100 to 499 acres.....	70.7	67.4	62.4	59.9	51.3
500 to 999 acres.....	0.9	1.1	1.2	1.6	1.2
1,000 acres and over.....	0.1	0.1	0.1	0.2	0.2

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

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	33,474,896	33,930,688	28,606,951	29,491,199	\$7,601,772,290	\$3,257,379,400
Under 20.....	102,480	117,955	87,747	102,881	63,673,895	39,306,861
20 to 49.....	458,651	537,044	370,292	450,517	117,881,873	63,692,308
50 to 99.....	2,782,734	2,980,189	2,420,641	2,619,874	632,355,272	295,461,882
100 to 174.....	12,052,654	11,243,738	10,600,330	10,009,429	2,792,174,568	1,096,625,573
175 to 499.....	16,712,805	17,206,099	14,124,470	14,875,500	3,741,311,488	1,614,102,750
500 to 999.....	1,151,201	1,513,469	864,587	1,203,407	221,595,887	122,994,550
1,000 and over.....	214,371	331,584	138,884	229,591	32,779,307	25,195,467

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.....	85.5	86.9	\$35,616	\$15,008	\$227.09	\$96.00
Under 20 acres.....	85.6	87.2	5,527	2,864	621.33	338.21
20 to 49 acres.....	30.7	33.8	8,987	4,063	257.02	118.47
50 to 99 acres.....	37.0	37.9	17,585	7,632	227.24	99.14
100 to 174 acres.....	33.0	39.0	32,638	13,687	231.66	97.53
175 to 499 acres.....	84.5	86.5	57,313	24,395	223.85	93.81
500 to 999 acres.....	75.1	79.5	118,059	50,615	192.49	81.27
1,000 acres and over.....	64.8	69.2	239,265	117,736	152.91	75.99

FARMS BY TENURE.

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

TENURE.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	213,439	217,044	-3,605	-1.7	100.0	100.0
Owners.....	121,888	133,003	-11,115	-8.4	57.1	61.3
Owning entire farm.....	99,008	106,464	-7,456	-7.0	46.4	49.1
Hiring additional land.....	22,880	26,539	-3,659	-13.8	10.7	12.2
Managers.....	2,487	1,928	561	29.1	1.2	0.9
Tenants.....	89,064	82,115	6,949	8.5	41.7	37.8
Share tenants.....	25,606	20,935	4,671	22.3	12.0	9.6
Share-cash tenants.....	16,401	14,129	2,272	16.1	7.7	6.5
Cash tenants.....	44,588	43,394	1,192	2.7	20.9	20.0
Unspecified.....	2,471	3,657	-1,186	-32.4	1.2	1.7

¹ A minus sign (-) denotes decrease.

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

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	213,439	217,044	228,622	201,903	185,351
Farms operated by owners.....	121,888	133,003	147,305	145,183	141,177
Owning entire farm.....	99,008	106,464	118,317	(²)	(²)
Hiring additional land.....	22,880	26,539	28,988	(²)	(²)
Farms operated by managers.....	2,487	1,928	1,581	(²)	(²)
Farms operated by tenants.....	89,064	82,115	79,786	56,780	44,174
Share tenants.....	25,606	20,935	35,234	31,780	35,753
Share-cash tenants.....	16,401	14,129	44,502	24,940	8,421
Cash tenants.....	44,588	43,394	2,471	3,657	
Unspecified.....	2,471	3,657			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	57.1	61.3	64.4	71.9	76.2
Owning entire farm.....	46.4	49.1	51.7	(²)	(²)
Hiring additional land.....	10.7	12.2	12.7	(²)	(²)
Operated by managers.....	1.2	0.9	0.7	(²)	(²)
Operated by tenants.....	41.7	37.8	34.9	28.1	23.8
Share and share-cash.....	19.7	16.2	15.4	15.7	19.3
Cash and unspecified.....	22.0	21.7	19.5	12.4	4.5

¹ Includes farms operated by managers.² Not reported separately.³ 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.....	33,474,896	33,930,688	28,606,951	29,491,199	\$7,601,772,290	\$3,257,379,400
Owners.....	18,051,121	20,214,337	15,319,624	17,432,235	4,011,441,160	1,942,594,349
Managers.....	569,086	490,805	445,897	383,977	125,000,751	44,993,925
Tenants.....	14,854,689	13,225,546	12,841,430	11,674,987	3,464,430,379	1,269,791,126

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.....	57.1	61.3	53.9	59.6	53.6	59.1	52.8	59.6
Managers.....	1.2	0.9	1.7	1.4	1.6	1.3	1.7	1.4
Tenants.....	41.7	37.8	44.4	39.0	44.9	39.6	45.6	39.0

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

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	156.8	156.3	134.0	135.9	85.5	86.9	\$35,616	\$15,008	\$227.09	\$96.00
Owners.....	148.1	152.0	125.7	131.1	84.9	86.2	32,911	14,606	222.23	95.10
Managers.....	228.8	254.8	170.3	199.4	78.4	78.2	50,624	23,361	221.23	91.67
Tenants.....	166.8	161.2	144.2	142.2	86.4	83.3	33,898	15,464	233.22	96.01

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.....	213,439	33,474,896	28,606,951	\$7,601,772,280	156.8	134.0	\$35,616
Male.....	209,232	32,973,103	28,102,563	7,488,320,850	157.6	134.7	35,790
Female.....	4,207	501,793	414,388	113,451,440	119.3	98.5	26,967
Owners.....	121,888	18,051,121	15,319,624	4,011,441,160	148.1	125.7	32,911
Male.....	118,177	17,621,875	14,967,737	3,914,930,073	149.1	126.7	33,123
Female.....	3,711	429,246	351,887	96,511,087	115.7	94.8	26,007
Managers.....	2,487	569,086	445,897	125,900,751	228.8	179.3	50,624
Male.....	2,487	569,778	444,818	125,414,576	230.1	180.3	50,837
Female.....	20	1,308	1,079	486,175	65.4	54.0	24,309
Tenants.....	89,064	14,854,689	12,841,430	3,464,430,379	166.8	144.2	38,898
Male.....	88,588	14,783,450	12,780,008	3,447,976,201	166.9	144.3	38,921
Female.....	476	71,239	61,422	16,454,178	149.7	129.0	34,563

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.....	213,439	217,044	33,474,896	28,606,951	\$7,601,772,280
White farmers.....	213,330	216,843	33,466,049	28,600,734	7,600,441,690
Native.....	181,109	167,856	28,408,463	24,198,486	6,382,425,017
Foreign-born.....	32,221	48,987	5,057,586	4,402,248	1,218,016,673
Country of birth:					
Austria.....	926	2,279	116,509	93,207	21,963,500
Canada.....	752	1,433	120,945	102,599	26,007,085
Denmark.....	3,273	4,061	492,570	436,554	124,079,320
England.....	1,267	2,374	178,720	150,064	40,733,345
France.....	274	248	40,477	34,004	9,090,325
Germany.....	12,730	21,940	2,093,394	1,839,430	485,446,125
Holland.....	2,074	2,479	440,702	388,284	120,970,120
Ireland.....	1,080	2,592	198,410	168,650	44,327,087
Norway.....	3,094	4,014	490,500	398,384	106,169,746
Scotland.....	343	676	51,107	44,016	12,072,881
Sweden.....	3,318	4,570	512,314	451,460	134,618,853
Switzerland.....	533	777	79,334	69,898	16,035,042
Other countries.....	1,957	944	263,598	220,098	57,302,243
Colored farmers.....	109	201	8,847	6,217	1,330,600
Negro.....	109	187	8,847	6,217	1,330,600
Indian.....		14			

¹ Includes farmers with country of birth not reported, as follows: For 1920, 3,708; for 1910, 424.

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

TENURE.	ALL FARMERS.		NATIVE WHITE. ¹		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	213,439	217,044	181,109	167,856	32,221	48,987	109	201
Owners.....	121,888	133,003	100,741	98,615	21,073	34,252	74	136
Managers.....	2,487	1,926	2,278	1,694	203	290	1	2
Tenants.....	89,064	82,115	78,090	67,547	10,940	14,505	34	63

¹ 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. ¹		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	121,888	133,003	-11,115	-8.4	100.0	100.0
Free from mortgage.....	45,807	63,234	-17,427	-27.6	37.6	47.5
Mortgaged.....	66,096	69,769	-3,673	-5.3	54.2	51.2
Unknown.....	9,985	1,724	8,261	479.2	8.2	1.3

¹ A minus sign (-) denotes decrease. 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.....	121,888	133,003	146,754	144,698	100.0	100.0	100.0	100.0
Free from mortgage.....	45,807	63,234	67,616	67,587	37.6	47.5	46.1	46.7
Mortgaged.....	66,096	69,769	76,389	77,111	54.2	51.2	52.1	53.3
Unknown.....	9,985	1,724	2,749	.....	8.2	1.3	1.9	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. ¹		INCREASE.	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	52,341	59,452	1,889	3.7
Value of land and buildings.....	\$1,814,200,130	\$735,235,320	\$1,078,964,816	146.7
Amount of mortgage debt.....	\$489,510,789	\$204,242,722	\$285,274,017	139.8
Ratio of debt to value, per cent.....	27.0	27.8	.....	.....
Average rate of interest paid, per cent.....	5.5	.....	.....	.....
Average value per farm.....	\$34,602	\$14,574	\$20,028	137.8
Average debt per farm.....	\$9,365	\$4,048	\$5,317	131.2
Average equity per farm.....	\$25,304	\$10,526	\$14,778	140.4

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

FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

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

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE.		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	136,682	108,890	27,792	25.5	64.0	50.2
Fertilizer.....	3,177	1,776	1,401	78.9	1.5	0.8
Feed.....	147,605	81,302	66,303	81.6	69.2	37.5

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

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$70,608,060	\$24,781,592	\$45,826,468	185.3
Amount in cash.....	52,942,172	18,586,300	34,355,872	184.8
Value of rent and board furnished.....	17,755,888	6,195,292	11,560,596	186.6
Fertilizer.....	606,587	109,670	496,917	444.4
Feed.....	79,068,535	18,532,251	60,536,284	325.5

LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

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

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

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

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

In Iowa the number of "dairy cows," including heifers 1 year old and over, reported for January 1, 1920, was 1,094,375, as compared with 1,406,792 "cows kept for milk" reported for April 15, 1910. This represents a decrease of 312,417, or 22.2 per cent. The number of "beef cows" reported for January 1, 1920, was 1,187,555, as compared with 614,930 "cows not kept for milk" reported for April

15, 1910, representing an increase of 572,625, or 93.1 per cent. The large increase shown for beef cows is partly the result of the change in classification mentioned above, which also accounts in part for the decrease shown for dairy cows.

Farms reporting domestic animals: 1910.—Horses were reported by 209,812 farms in Iowa in 1910, mules by 21,872 farms, cattle by 205,554, sheep by 21,810, and swine by 184,002. 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 Iowa decreased from 217,044 in 1910 to 213,439 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.
Total.....	208,534	97.7		\$585,489,568	
Horses, total.....	203,642	95.4	1,386,522	127,297,231	\$91.81
Colts under 1 year of age.....	51,995	24.4	79,547	2,906,237	36.53
Colts 1 year old and under 2 years.....	66,776	31.3	108,179	5,693,483	52.63
Mares 2 years old and over.....	190,361	89.2	693,831	69,406,281	100.03
Geldings 2 years old and over.....	173,014	81.1	498,975	47,663,080	95.62
Stallions 2 years old and over.....	4,357	2.0	5,993	1,628,150	271.68
Mules, total.....	30,585	14.3	81,520	10,041,522	123.18
Mule colts under 1 year of age.....	9,982	4.7	16,819	1,095,601	65.14
Mule colts 1 year old and under 2 years.....	6,982	3.3	13,496	1,335,441	98.95
Mules 2 years old and over.....	19,582	9.2	51,205	7,610,480	148.68
Asses and burros.....	719	0.3	1,141	265,635	232.81
Cattle, total.....	201,521	94.4	4,557,708	258,677,963	56.76
Beef cattle, total.....	136,675	64.0	3,038,198	172,373,106	56.74
Calves under 1 year of age.....	104,761	49.1	844,656	22,292,778	26.39
Heifers 1 year old and under 2 years.....	68,696	32.2	338,641	15,083,054	44.54
Cows and heifers 2 years old and over.....	89,351	41.9	848,914	60,490,266	71.26
Steers 1 year old and under 2 years.....	61,204	28.7	519,596	28,151,063	54.18
Steers 2 years old and over.....	24,044	11.3	421,028	38,675,617	91.88
Bulls 1 year old and over.....	56,246	26.4	65,363	7,680,328	117.50
Dairy cattle, total.....	139,423	65.3	1,519,510	86,304,857	56.80
Calves under 1 year of age.....	67,377	31.6	385,628	8,619,819	22.09
Heifers 1 year old and under 2 years.....	52,843	24.8	196,707	8,821,428	42.30
Cows and heifers 2 years old and over.....	135,204	63.3	897,668	65,751,288	73.25
Bulls 1 year old and over.....	30,462	17.1	39,507	3,712,322	93.97
Sheep, total.....	30,455	14.3	1,092,095	12,883,597	11.80
Lambs under 1 year of age.....	18,748	8.3	359,754	3,473,952	9.66
Ewes 1 year old and over.....	27,621	12.9	691,288	8,745,301	12.65
Rams 1 year old and over.....	15,778	7.4	26,121	500,296	19.38
Wethers 1 year old and over.....	1,130	0.5	14,932	158,048	10.58
Goats, total.....	1,195	0.6	10,526	59,594	5.66
Kids under 1 year of age, raised for fleeces.....	50	(¹)	443	2,419	5.46
Goats 1 year old and over, raised for fleeces.....	151	0.1	1,808	12,088	6.69
All other goats.....	1,120	0.5	8,275	45,087	5.45
Swine, total.....	189,781	88.9	7,864,304	176,264,026	22.41
Pigs under 6 months old.....	92,824	43.5	2,116,191	20,027,234	9.46
Sows and gilts for breeding, 6 months old and over.....	161,243	75.5	1,937,351	64,019,080	33.04
Bears for breeding, 6 months old and over.....	97,730	45.8	124,981	6,623,755	53.00
All other hogs, 6 months old and over.....	138,710	62.6	3,685,781	85,593,957	23.22

¹Less than one-tenth of 1 per cent.

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

ITEM.	FARMS REPORTING, 1920.		NUMBER REPORTED. ¹		Value, 1920	Average value, 1920
	Number.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	203,264	95.2	28,352,515	23,482,880	\$27,779,633	\$0.98
Chickens.....	203,077	95.1	27,740,510	22,061,041	26,701,187	0.96
Turkeys.....	13,215	6.2	78,126	124,104	290,543	3.80
Ducks.....	30,733	17.2	235,249	225,284	292,852	1.24
Geese.....	38,127	17.9	187,270	215,221	441,163	2.30
Guinea fowls.....	9,693	4.5	57,595	38,448	35,859	0.62
Pigeons.....	2,050	1.0	47,705	187,994	12,049	0.25
Hives of bees.....	18,280	8.6	138,319	180,025	657,067	4.75

¹ 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.

² Includes small numbers of peafowls and pheasants.

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

CLASS.	NUMBER.		INCREASE. ¹	
	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Horses:				
Total, excluding spring colts reported for 1910.....	1,386,522	1,440,652	-63,130	-4.4
Colts under 1 year old on Jan. 1 of census year.....	79,547	159,079	-80,182	-50.2
Horses 1 year old and over on Jan. 1 of census year.....	1,306,975	1,289,973	17,002	1.3
Mules:				
Total, excluding spring colts reported for 1910.....	81,520	54,042	27,478	50.8
Mule colts under 1 year old on Jan. 1 of census year.....	16,819	7,557	9,262	122.6
Mules 1 year old and over on Jan. 1 of census year.....	64,701	46,485	18,216	39.2
Cattle:				
Total, excluding spring calves reported for 1910.....	4,557,708	3,879,003	678,705	17.5
Calves under 1 year old on Jan. 1 of census year.....	1,230,284	1,121,383	108,901	9.7
Cows and heifers 1 year old and over on Jan. 1 of census year.....	2,281,930	2,021,722	260,208	12.9
Steers and bulls 1 year old and over on Jan. 1 of census year.....	1,045,494	735,898	309,596	42.1
Sheep:				
Total, excluding spring lambs reported for 1910.....	1,092,095	769,917	322,178	41.8

¹ A minus sign (—) denotes decrease.

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

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
	1920 (Jan. 1)	1910 (Apr. 15)	Number.		Increase. ¹	
			1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Total.....	44,745	76,411				
Horses.....	25,200	58,353	54,411	123,370	-68,959	-55.9
Horses 1 year old and over on Jan. 1 of census year.....			53,765	120,321	-66,556	-55.3
Mules.....	1,055	1,308	2,987	3,477	-490	-14.1
Mules 1 year old and over on Jan. 1 of census year.....			2,852	3,359	-507	-15.1
Asses and burros.....	101	153	123	199	-76	-38.2
Cattle.....	21,948	36,278	42,545	61,705	-19,160	-31.1
Cattle 1 year old and over on Jan. 1 of census year.....			37,862	50,389	-12,507	-24.8
Sheep.....	263	170	2,706	1,206	1,500	124.4
Goats.....	241	269	529	417	112	26.9
Swine.....	15,409	9,081	81,316	45,427	35,889	79.0

¹ A minus sign (—) denotes decrease.

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

CLASS.	Total.	On farms.	Not on farms.
Horses.....	1,440,933	1,386,522	54,411
Horses 2 years old and over.....	1,251,526	1,198,799	52,727
Mules.....	84,507	81,520	2,987
Mules 2 years old and over.....	53,737	51,205	2,532
Asses and burros.....	1,264	1,141	123
Cattle.....	4,600,253	4,557,708	42,545
Beef cattle.....	3,040,656	3,038,198	8,458
Dairy cattle.....	1,553,597	1,519,510	34,087
Dairy cows.....	926,022	897,068	28,954
Sheep.....	1,094,801	1,092,095	2,706
Goats.....	11,055	10,526	529
Swine.....	7,945,620	7,864,304	81,316

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.....	135,204	63.3	897,668	Head..	.....
On farms reporting milk produced.....	118,466	55.5	788,324	Head..	.....
On farms not reporting milk produced.....	16,738	7.8	109,344	Head..	.....
Average production of milk per dairy cow, 1919 ¹			315	Gals..	.....
Specified dairy products:					
Milk, as reported.....1919.....			326,983,002	Gals..	.....
.....1909.....			318,954,506	Gals..	.....
Increase, 1909-1919.....			8,028,496	Gals..	.....
Per cent of increase.....			2.5	Gals..	.....
Total production of milk, including estimates.....1919.....			361,426,362	Gals..	.....
Butter made.....1919.....	134,357	62.9	25,422,675	Lbs..	\$13,411,842
.....1909.....	124,881	57.5	38,679,568	Lbs..	\$9,061,041
Cheese made.....1919.....	512	0.2	53,273	Lbs..	\$20,248
.....1909.....	341	0.2	78,538	Lbs..	\$10,689
Milk sold.....1919.....	14,158	6.6	31,355,659	Gals..	\$8,519,484
.....1909.....	16,135	7.4	55,241,511	Gals..	\$6,032,685
Cream sold.....1919.....	38,597	18.1	6,784,753	Gals..	\$8,379,826
.....1909.....	26,930	12.4	8,062,449	Gals..	\$5,071,600
Butter fat sold.....1919.....	81,340	38.1	45,411,147	Lbs..	\$25,077,344
.....1909.....	58,048	27.0	42,917,696	Lbs..	\$11,020,868
Butter sold.....1919.....	40,015	18.7	6,463,846	Lbs..	\$3,385,696
.....1909.....	50,361	27.4	17,917,387	Lbs..	\$4,296,424
Value of milk, cream, and butter fat sold, and of butter and cheese made ².....1919.....					\$55,408,744
.....1909.....					\$31,196,883
Increase, 1909-1919.....					\$24,211,861
Per cent of increase.....					77.6
Receipts from sale of dairy products ³.....1919.....					\$45,362,250
.....1909.....					\$26,429,743
Increase, 1909-1919.....					\$18,932,507
Per cent of increase.....					71.6

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

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

³ Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$8,166.

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.....	30,455	1,092,095	.....	.....	.....
On farms reporting wool.....	21,790	819,405	.....	.....	.....
On farms not reporting wool.....	8,665	272,690	.....	.....	.....
Sheep of shearing age ¹ on farms Apr. 15, 1910.....	21,057	769,917	.....	.....	.....
Wool produced, as reported, total.....1919.....	23,562	.....	728,707	5,682,075	\$3,089,548
On farms reporting sheep.....	21,790	.....	686,493	5,230,858	\$2,849,457
On farms not reporting sheep.....	1,772	.....	60,214	451,217	\$210,061
Total production of wool, including estimates.....1919.....				6,987,566	\$3,762,486
.....1909.....				5,484,702	\$1,413,711
Increase, 1909-1919.....				1,482,864	\$2,348,775
Per cent of increase.....				27.0	166.1
Goats raised for fleeces, on farms Jan. 1, 1920.....	160	2,251	.....	.....	.....
Mohair produced, as reported, total.....1919.....	135	.....	2,005	6,938	\$3,423
.....1909.....	266	.....	.....	29,206	\$7,261

¹ Sheep born before Jan. 1, 1910.

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

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

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	203,077	95.1	Number. 27,749,510	.....
On farms reporting eggs produced.....	195,142	91.4	26,906,666	.....
On farms reporting chickens raised.....	182,281	85.4	26,629,211	.....
Fowls on farms Apr. 15, 1910.....	204,635	94.3	26,482,880	.....
Eggs produced, as reported.....1919.....	196,996	92.3	Dozens. 117,908,389	\$41,709,116
Total production of eggs, including estimates.....1919.....			120,697,319	42,244,062
.....1909.....			109,760,487	19,235,600
Eggs sold, as reported.....1919.....	187,096	87.7	81,215,875	23,713,336
.....1909.....	176,853	81.5	70,335,349	12,387,353
Chickens raised, as reported.....1919.....	183,892	86.2	Number. 29,036,530	26,081,741
Total chickens raised, including estimates.....1919.....			31,076,091	27,968,432
.....1909.....			29,990,147	13,914,935
Chickens sold, as reported.....1919.....	157,558	73.8	12,399,082	11,160,695
.....1909.....	153,553	70.7	10,388,967	5,207,079

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.....	18,280	133,319	.....	.....
On farms reporting honey.....	12,145	93,787	.....	.....
On farms not reporting honey.....	6,135	44,532	.....	.....
Bees on farms Apr. 15, 1910.....	28,935	160,025	.....	.....
Honey produced.....1919.....	12,282	.....	2,840,025	\$852,015
.....1909.....	16,759	.....	2,374,080	275,418
Wax produced.....1919.....	.....	.....	33,041	11,285
.....1909.....	.....	.....	44,266	10,011

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 between one census year and the next.

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

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.						
	Number.		Per cent of all farms.		1919	1909	Per cent of increase. ¹	Quantity.			Value.			
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase. ¹	1919	1909	Per cent of increase. ¹
All crops.					20,420,374	20,371,134	0.2					\$890,391,299	\$809,376,240	187.8
With acreage reports.												883,013,259	302,987,728	184.8
With no acreage reports.												27,378,040	6,388,512	328.6
Cereals, total.					16,308,149	15,041,039	8.4					696,022,846	230,205,315	202.3
Corn.	108,445	100,561	93.0	90.6	9,006,733	9,229,378	-2.4	Bu.	587,942,307	489,803,118	20.0	501,339,232	167,022,834	199.1
Oats.	102,880	151,769	76.3	69.9	5,484,113	4,655,154	17.8	Bu.	371,362,393	341,750,460	8.7	140,234,289	49,046,888	186.0
Wheat, total.	76,219	36,284	35.7	16.7	1,437,743	626,777	172.9	Bu.	187,045,705	128,108,055	45.9	44,479,372	7,703,205	477.4
Winter.	43,197	15,379	20.2	7.1	911,434	236,708	285.0	Bu.	21,591,928	8,055,944	168.0	34,394,715	4,134,036	732.0
Spring.	38,145		17.9		526,309	290,069	81.4	Bu.	16,696,464	4,310,022	287.3	10,084,657	3,569,169	182.5
Emmer and spelt.	117	767	0.1	0.4	839	7,256	-88.4	Bu.	4,895,464	3,745,022	30.7	27,193	65,436	-58.4
Barley.	10,016	36,435	8.9	16.8	236,314	571,224	-58.6	Bu.	18,125	139,839	-87.0	6,423,366	5,320,708	20.7
Rye.	7,720	4,301	3.6	2.0	89,458	42,042	112.8	Bu.	5,352,802	10,964,184	-51.2	1,666,128	357,220	366.4
Buckwheat.	1,173	1,731	0.5	0.8	6,956	9,066	-23.3	Bu.	1,110,739	570,996	94.5	169,302	89,941	94.7
Kafir and milo.	73	66	(²)	(³)	420	142	195.8	Bu.	99,587	120,559	-17.4	6,522	2,083	213.1
Mixed crops ⁴ .	3,366		1.6		45,573			Bu.	4,828	3,081	56.7	1,627,442		
Other grains and seeds with acreage reports, total ⁵ .					11,252	16,943	-33.6					335,272	207,569	61.5
Dry edible beans.	1,038	973	0.5	0.4	828	615	34.6	Bu.	74,938	156,868	-52.2	34,958	12,428	181.3
Soy beans.	206		0.1		471			Bu.	5,374	5,699	-5.7	17,056		
Dry peas.	72	183	(³)	0.1	209	731	-71.4	Bu.	3,098			16,580	11,660	42.1
Peanuts.	20	21	(³)	(³)	(⁶)	13		Bu.	3,316	9,007	-63.2	200	206	-32.4
Flaxseed.	747	1,361	0.3	0.6	9,646	15,549	-38.0	Bu.	71	350	-80.2	262,334	182,569	43.7
Sorghum seed.	39	3	(³)	(³)	98	35		Bu.	61,007	140,906	-56.7	4,144	582	612.0
Seeds with no acreage reports, total ⁷ .												10,251,736	1,728,142	493.9
Red clover seed.	11,865		5.6					Bu.	1,357,599	1,118,044	21.4	3,668,040	275,892	
Other clover and alfalfa seed.	873		0.4					Bu.	122,268	36,208	291.8	518,868		
Timothy seed.	22,328	16,487	10.5	7.6				Bu.	19,579					
Other grass seed.	200	79	0.1	(³)				Bu.	1,156,531	1,028,064	12.4	5,898,314	1,405,866	319.0
Millet seed.	210	217	0.1	0.1				Bu.	23,761	5,213	355.8	95,044	6,772	
Hay and forage, total ⁸ .	186,430	180,698	87.3	83.3	4,555,824	5,047,435		Tons.	35,400	47,959	-26.1	70,920	32,769	116.5
All tame or cultivated grasses.					3,032,447	4,005,956	-24.3	Tons.	9,327,772	7,827,696		146,959,888	59,395,318	
Timothy alone.	50,817	65,376	23.8	30.1	808,390	1,312,422	-38.4	Tons.	9,945,292	0,103,997	-23.9	95,945,313	49,787,235	92.7
Timothy and clover mixed.	89,555	103,805	42.0	47.8	1,704,997	2,445,836	-30.3	Tons.	4,045,292	1,952,956	-48.1	21,298,578	16,307,566	30.6
Clover alone.	19,015	8,851	8.9	4.1	273,912	125,761	117.8	Tons.	2,653,076	3,182,186	-28.0	54,388,035	30,380,941	79.0
Alfalfa.	18,749	4,301	8.8	2.0	172,043	29,148	490.3	Tons.	427,693	195,579	118.7	1,523,966	475.3	
Other tame grasses ⁹ .	9,938		4.7		73,105	92,804	-21.2	Tons.	438,338	84,569	418.3	9,643,436	718,271	
Wild, salt, or prairie grasses.	35,632	49,131	16.7	22.6	495,440	845,954	-41.4	Tons.	111,967	138,707	-19.3	1,847,431	856,501	115.7
Small grains cut for hay.	6,823		3.2		46,839			Tons.	626,187	1,178,000	-46.8	10,645,179	6,913,714	54.0
Annual legumes cut for hay.	838	2,130	0.4	1.0	7,419	17,131	218.7	Tons.	68,004	30,594	150.5	1,188,072	192,943	625.8
Silage crops.	21,155		9.9		298,645			Tons.	10,619			19,844,768		
Corn cut for forage ⁸ .	72,180		33.8		653,872	178,342		Tons.	2,334,678			18,209,781	2,498,231	
Kafir, sorghum, etc., for forage.	4,250		2.0		20,052			Tons.	1,583,457	514,544		858,105		
Root crops for forage.	270		0.1		1,110	52		Tons.	57,207			56,290	3,195	
Vegetables, total.					97,338	169,567	-42.6					28,305,846	12,021,408	135.5
Potatoes (Irish or white).	131,292	170,318	61.5	78.5	3,236	2,274	42.3	Bu.	4,438,515	14,710,247	-69.8	10,874,361	6,620,234	64.0
Sweet potatoes and yams.	6,307	3,667	3.0	1.7	73,372	80,402		Bu.	210,578	232,413	-6.8	563,102	125,763	347.7
Other vegetables ¹⁰ .	12,025	152,602	5.6	70.3								4,901,320	5,206,411	
Farm garden ¹¹ .	184,293		86.3									11,967,063		
Miscellaneous crops, total.					43	81						1,459,322	202,719	619.9
Tobacco.	123	174	0.1	0.1				Lbs.	38,217	102,880	-62.9	7,643	8,751	-12.7
Sorghum grown for sirup.	12,544	5,011	5.9	2.3	9,988	4,966	99.5	Tons.	45,340	24,597	84.3	822,798	139,203	490.7
Sugar beets grown for sugar.	309	211	0.1	0.1	7,009	1,030	580.5	Tons.	52,338	6,962	651.8	601,889	33,897	
Maple sugar and sirup.	352	398	0.2	0.2								14,619	11,495	27.2
Broom corn.	139	49	0.1	(³)	168	156	7.7	Lbs.	103,250	75,370	37.0	11,358	6,070	70.3
Sundry minor crops ¹² .					4	(⁶)						1,015	2,613	-61.2
Fruits and nuts, total.					7,885	7,211	9.3					7,056,389	5,617,769	25.6
Small fruits.	46,660		21.9					Qts.	8,837,293	10,344,052	-14.6	1,911,767	966,894	97.7
Other fruits and nuts.												5,144,622	4,650,875	10.6

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

² Excluding 653,872 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

³ Less than one-tenth of 1 per cent.

⁴ Principally oats and barley grown and harvested together.

⁵ The 1909 figures include a small quantity of sunflower seed.

⁶ Reported in small fractions.

⁷ The total values include the value of small quantities of flower and vegetable seeds. 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.

⁸ Corn cut for forage was not reported to any extent in 1909; hence no fair 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.

⁹ Includes millet and Hungarian grass.

¹⁰ The 1919 figures represent vegetables raised for sale only.

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

¹² These crops comprise ginseng (1919 and 1909) and hops (1909).

¹³ Includes the value of a small quantity of Japanese persimmons, which are not shown in Table 39.

The combined acreage of crops harvested in Iowa in 1919 for which the acreage was reported was 20,420,374, which represents 71.4 per cent of the total improved land in farms (28,606,951 acres). The total crop acreage reported for 1909 was 20,371,134, or 69.1 per cent of the improved land in farms (29,491,199 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

In addition to the crops regularly harvested in 1919, as shown in the tables, there were reported 409,276 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.	1919	1909	1899	1889	1879
Corn.....	9,006,733	9,229,378	9,804,076	7,585,522	6,616,144
Oats.....	5,484,113	4,655,154	4,695,391	3,752,141	1,507,577
Wheat.....	1,437,743	526,777	1,689,705	585,548	3,049,288
Barley.....	235,314	571,224	627,851	518,729	198,861
Rye.....	89,458	42,042	89,172	93,707	102,607
Hay and forage.....	4,555,824	5,047,435	4,649,378	5,238,918	2,490,027
Potatoes.....	97,330	169,567	175,888	169,870	.....

¹ Includes 653,872 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

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

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.			AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909	1919	1909
Corn.....	31.5	31.3	Bu....	41.2	37.1	\$55.66	\$18.16
Oats.....	19.2	15.8	Bu....	34.1	27.5	25.58	10.54
Wheat.....	5.0	1.8	Bu....	15.0	15.3	30.94	14.62
Barley.....	0.8	1.9	Bu....	22.7	19.2	27.18	9.31
Rye.....	0.3	0.1	Bu....	12.4	13.6	18.62	8.50
Hay and forage.....	15.9	17.1	Tons..	2.05	1.55	32.26	11.77
Potatoes.....	0.3	0.6	Bu....	45.6	86.8	111.72	39.10

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.....	12,025	5.6	73,372	\$4,901,320
Asparagus.....	147	0.1	172	23,681
Beans (green).....	733	0.4	167	23,598
Cabbages.....	2,249	1.1	1,562	243,493
Cantaloupes and muskmelons.....	739	0.3	876	87,995
Corn (pop).....	1,871	0.9	32,642	2,101,286
Corn (sweet).....	4,494	2.1	28,595	1,012,771
Cucumbers.....	1,026	0.5	419	42,605
Lettuce.....	392	0.2	86	53,788
Onions.....	1,632	0.8	1,554	600,140
Peas (green).....	604	0.3	123	18,955
Pumpkins.....	76	(¹)	258	9,173
Tomatoes.....	3,147	1.5	2,020	303,104
Watermelons.....	1,356	0.6	3,475	279,721
All other vegetables.....	.....	.....	344	55,108
Mixed vegetables.....	281	0.1	479	65,880

¹ Less than one-tenth of 1 per cent.

TABLE 36.—SUGAR CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres (or trees).	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Maple sugar and sirup, total.....	352	0.2	Trees tapped. 19,838	.....	.....	\$14,619
.....1919.....	398	0.2	23,905	.....	.....	11,495
Sugar made.....	73	(¹)	.....	3,130	Lbs...	1,095
.....1919.....	.....	.....	.....	6,173	Lbs...	1,212
Sirup made.....	300	0.2	.....	4,915	Gals...	13,524
.....1909.....	.....	.....	.....	8,596	Gals...	10,283
Sugar beets grown for sugar.....	309	0.1	Acres. 7,009	52,338	Tons..	601,889
.....1919.....	211	0.1	1,030	6,962	Tons..	83,897
Sorghum grown for sirup.....	12,544	5.9	29,968	24,534	Tons...	.....
.....1919.....	5,011	2.3	4,995	24,597	Tons...	.....
Sirup made.....	.....	.....	.....	2,537,712	Gals...	822,798
.....1919.....	.....	.....	.....	250,205	Gals...	139,293
.....1909.....	.....	.....	.....	.....	.....	.....

¹ Less than one-tenth of 1 per cent.² Figures include estimates for incomplete reports.

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.		FARMS REPORTING.		Acres harvested.	PRODUCTION.	
		Number.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....	1919.....	46,860	21.9	7,885	8,837,293	\$1,911,767
	1909.....			7,211	10,344,052	966,894
Strawberries.....	1919.....	36,662	17.2	4,472	6,006,592	1,387,381
	1909.....	19,871	9.2	2,917	5,330,105	479,511
Raspberries.....	1919.....	15,214	7.1	2,213	1,426,757	356,695
Loganberries.....	1919.....	50	(1)	(2)	1,639	363
Raspberries and loganberries.....	1909.....	12,574	5.8	1,573	1,728,547	191,037
Blackberries and dewberries.....	1919.....	7,208	3.4	967	597,449	131,438
	1909.....	15,874	7.3	2,279	2,733,728	247,734
Cranberries.....	1919.....	61	(1)	(2)	1,452	234
	1909.....	4	(1)	(2)		3
Currants.....	1919.....	2,240	1.0	95	77,953	15,587
	1909.....	6,906	3.2	253	817,637	27,315
Other berries.....	1919.....	2,289	1.1	133	125,451	20,069
	1909.....			189	234,035	21,294

¹ Less than one-tenth of 1 per cent.

² Reported in small fractions.

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

CROP.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
	1920	1910	1920	1910	1920	1910
Orchard fruits, total ¹	58,244		27.3		1,088,995	2,802,548
Apples.....	48,522	74,087	22.7	34.4	767,351	1,914,325
Peaches.....	5,011	14,185	2.6	6.5	61,043	285,308
Pears.....	7,778	15,370	3.6	7.1	34,985	123,262
Plums and prunes.....	14,135	23,046	6.6	10.6	95,356	245,281
Cherries.....	23,170	29,768	10.9	13.7	130,199	229,352
Grapes.....	14,683	13,281	6.9	6.1	304,710	446,126
Nuts, total ²					77	41,059
Pecans.....	5	8	(3)	(3)	77	148

¹ Includes apricots and (for 1910) mulberries and quinces. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

² The 1910 figures include black walnuts and several other varieties of nuts not called for by the 1920 schedule.

³ Less than one-tenth of 1 per cent.

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

CROP.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Per cent of all farms.				Quantity.			Value.	
	1920	1910	1920	1910	1920	1910	Unit.	1919	1909	1919	1909
Orchard fruits, total ¹	138,216		64.8		3,932,079	9,208,387	Bu....	2,020,520	7,234,168	\$4,414,630	\$4,283,873
Apples.....	131,732	148,759	61.7	68.5	2,996,469	5,847,034	Bu....	1,810,443	6,746,668	3,801,939	3,550,729
Peaches.....	10,596	37,135	5.0	17.1	129,939	1,090,749	Bu....	1,391	23,180	5,766	24,950
Pears.....	18,708	29,784	8.8	13.7	100,682	191,125	Bu....	30,036	44,449	67,689	58,777
Plums and prunes.....	38,274	78,157	17.9	38.0	313,769	1,165,041	Bu....	27,929	158,036	58,655	192,421
Cherries.....	65,261	98,369	30.6	48.0	391,226	908,764	Bu....	150,183	260,432	480,598	465,022
Grapes.....	53,168	51,917	24.9	23.9	1,401,613	1,983,465	Lbs...	12,165,313	11,708,336	729,921	330,078
Nuts, total ²					763	163,337	Lbs...	235	1,721,265	71	36,922
Pecans.....	15	17	(3)	(3)	763	247	Lbs...	235	1,800	71	59

¹ Includes apricots and (for 1910) mulberries and quinces. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

² The figures for 1910 and 1909 include almonds and Persian or English walnuts, and also black walnuts and several other varieties of nuts not called for by the 1920 schedule.

³ Less than one-tenth of 1 per cent.

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....	213,439	217,044	121,888	133,003	2,487	1,926	89,064	82,115
Reporting age.....	210,705	216,136	120,322	132,434	2,429	1,897	87,897	81,805
Under 25 years.....	9,805	12,119	1,505	1,686	348	254	5,012	10,179
25 to 34 years.....	55,121	52,963	16,216	18,204	342	620	38,063	33,544
35 to 44 years.....	56,252	57,511	31,824	36,192	620	537	23,838	20,732
45 to 54 years.....	48,502	50,372	36,135	38,683	423	342	12,034	11,347
55 to 64 years.....	28,609	28,311	23,708	23,614	154	105	4,657	4,592
65 years and over....	12,236	15,455	10,844	14,055	42	39	1,350	1,361
Not reporting age.....	2,734	908	1,566	569	58	29	1,110	310

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....	213,439	217,044	121,888	133,003	2,487	1,926	89,064	82,115
Rptg. years on farm....	209,081	196,710	119,968	116,831	2,301	1,764	86,812	78,115
Less than 2 years.....	45,084	54,750	13,259	15,639	1,322	990	30,503	35,221
2 to 4 years.....	48,813	42,267	19,177	13,656	563	388	29,073	23,223
5 to 9 years.....	41,918	34,804	24,652	23,674	240	205	17,026	11,025
10 years and over.....	73,266	64,889	62,880	59,062	176	181	10,210	5,640
Not reporting.....	4,358	20,334	1,920	16,172	186	162	2,252	4,000

Cooperative marketing and purchasing.—Cooperative marketing of farm products or cooperative purchasing of supplies through farmers' organizations in 1919 was reported by 51,630 farms in Iowa, including 24,250 farms which reported both sales and purchases,

19,100 farms which reported sales only, and 8,280 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.....	51,630	24.2		
Marketing.....	43,350	20.3	\$59,403,626	\$1,370
Purchasing.....	32,530	15.2	6,760,952	203

Farm facilities—Motor vehicles, telephones, water, and light on farms.—The following table indicates the extent to which the farmers of Iowa 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.....	156,081	73.1	177,558	82.9
Motor trucks.....	8,660	4.1	8,910	4.2
Tractors.....	10,427	9.1	20,270	9.5
Telephones.....	183,852	86.1		
Water piped into house.....	33,851	15.9		
Gas or electric light.....	32,552	15.3		

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 Iowa in 1920 was 213,439, of which number 208,534 reported domestic animals of some kind, and 56,074 reported pure-bred live stock.

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

NOTE.—Pure-bred horses reported in Iowa represented 1.1 per cent of all horses on farms (see Table 23); pure-bred cattle, 3.3 per cent of the total; pure-bred sheep, 1.8 per cent; and pure-bred swine, 3.7 per cent.

BREED.	Number.	BREED.	Number.
Horses, total.....	15,450	Sheep, total.....	19,522
American Saddle.....	38	Cheviot.....	112
Belgian.....	1,528	Dorset Horn.....	81
Clydesdale.....	807	Hampshire Down.....	506
French Draft.....	467	Lincoln.....	65
German Coach.....	32	Merino.....	1,523
Percheron.....	9,443	Oxford.....	821
Shire.....	1,431	Shropshire.....	14,404
Standard Bred.....	171	All other breeds ¹	2,007
Thoroughbred.....	60		
All other breeds ¹	1,483	Swine, total.....	289,042
Cattle, total.....	171,645	Berkshire.....	950
Beef breeds, total.....	151,359	Chester White.....	35,761
Aberdeen Angus.....	27,457	Duroc-Jersey.....	107,123
Galloway.....	286	Hampshire.....	18,740
Hereford.....	40,894	Poland China.....	113,869
Polled Durham.....	5,475	Spotted Poland China.....	4,370
Shorthorn.....	69,560	Tamworth.....	1,074
All other beef breeds ¹	7,687	Yorkshire.....	173
Dairy breeds, total.....	20,286	All other breeds ¹	6,982
Ayrshire.....	271		
Brown Swiss.....	447		
Guernsey.....	1,716		
Holstein-Friesian.....	10,916		
Jersey.....	3,629		
All other dairy breeds ¹	3,307		

¹Includes 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.....	184,002	86.2	1,447,603	7.9
Pigs.....	175,507	82.2	8,804,740	50.2
Lambs.....	20,950	0.8	477,070	22.8

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 Iowa in 1919 has been estimated, however, at \$420,300,000, as compared with \$218,216,303, 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..	50,516	23.7	67,705	1.3	3,543,458
.....1909..	43,883	22.5	91,689	1.5	
Cattle.....1919..	43,883	22.5	73,454	1.5	
Calves.....1909..	7,286	3.4	18,235	2.5	
Swine.....1919..	173,394	81.2	537,961	3.1	2,275,482
.....1909..	147,246	67.8	507,167	3.4	
Sheep and lambs.....1919..	4,061	1.9	7,404	1.8	22,482
.....1909..	2,556	1.2	6,180	2.4	

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..	198,445	82,700	41.7	<i>Bushels.</i> 371,362,393	<i>Bushels.</i> 106,547,801	28.7
.....1909..	196,561	79,941	40.7	341,750,460	66,370,906	19.4
Oats.....1919..	162,880	78,057	47.9	187,046,705	67,776,982	36.2
.....1909..	151,769	80,793	53.2	128,198,055	41,311,243	32.2
Barley.....1919..	19,016	6,964	36.6	5,352,802	2,010,589	37.6
.....1909..	36,435	16,505	45.3	10,964,184	5,075,630	46.3
Hay.....1919..	.....	.....	.....	<i>Tons.</i> 5,348,102	<i>Tons.</i> 646,650	12.1
.....1909..	.....	.....	.....	7,312,591	448,721	6.1
Potatoes.....1919..	131,292	8,336	6.3	<i>Bushels.</i> 4,438,515	<i>Bushels.</i> 651,890	14.7
Apples.....1919..	.....	8,560	.....	1,810,443	461,662	25.5

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..	2,648	<i>Gallons.</i> 78,930
.....1909..	9,134	590,352
Cider made (or to be made) into vinegar.....1919..	1,882	49,270
Vinegar made on farms.....1909..	5,498	244,473
Grape juice.....1919..	2,757	23,334
Wine and grape juice.....1909..	2,377	76,092
Dried fruits.....1919..	1,652	<i>Pounds.</i> 35,189
.....1909..	2,341	87,421

¹ 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.....	34,503	50,952
Per cent of all farms.....	16.2	23.5
Value.....	\$4,404,555	\$3,649,032
Average per farm reporting.....	\$128	\$72
Forest products sold from farms (or cut and held for sale):		
Farms reporting.....	6,072	.....
Value.....	\$1,285,010	\$392,797
Average per farm reporting.....	\$212	.....
Forest products used on farms (or cut and held for use):		
Farms reporting.....	33,291	.....
Value.....	\$3,119,545	\$2,756,235
Average per farm reporting.....	\$94	.....

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.....	194	242
Acreage used for growing nursery stock.....	2,158	3,430
Receipts from sale of products.....	\$532,399	\$845,912
Average receipts per nursery.....	\$2,744	\$3,496
Average receipts per acre.....	\$246.71	\$246.62
Greenhouses:		
Number of farms and establishments reporting.....	365	168
Square feet under glass.....	3,663,189	2,183,182
Receipts from sale of products.....	\$2,059,773	\$657,393
Flowers and flowering plants.....	\$1,080,566	.....
Vegetables and vegetable plants.....	\$378,907	.....
Average receipts per farm or establishment.....	\$5,643	\$3,913

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

	THE STATE.	Adair.	Adams.	Allamakee.	Appanoose.	Audubon.	Benton.	Black-hawk.
ALL FARMS.								
1 Number of farms, 1920.....	213,439	2,113	1,629	2,175	2,283	1,818	2,552	2,358
2 1910.....	217,044	2,227	1,726	2,230	2,312	1,897	2,656	2,168
3 1900.....	228,022	2,387	1,949	2,368	2,526	1,988	2,774	2,257
4 All farmers classified by sex, 1920:								
5 Male.....number..	209,232	2,075	1,591	2,105	2,208	1,792	2,515	2,320
6 Female.....number..	4,207	38	38	70	75	26	47	38
7 Color and nativity of all farmers, 1920:								
8 Native white.....number..	181,109	1,942	1,533	1,849	2,093	1,255	2,256	1,993
9 Foreign-born white.....number..	32,221	171	96	323	2	563	306	365
10 Negro and other nonwhite.....number..	109			3				
11 All farms classified by size, 1920:								
12 Under 3 acres.....number..	477	1	3	6	12	1	7	14
13 3 to 9 acres.....number..	5,745	19	34	37	116	31	61	139
14 10 to 19 acres.....number..	5,299	29	31	36	115	22	59	95
15 20 to 49 acres.....number..	13,117	81	105	126	264	71	105	114
16 50 to 99 acres.....number..	35,959	364	292	327	505	349	360	389
17 100 to 174 acres.....number..	85,549	945	654	811	699	837	956	943
18 175 to 259 acres.....number..	41,414	435	285	488	312	335	674	463
19 260 to 499 acres.....number..	23,895	223	197	307	223	161	327	202
20 500 to 999 acres.....number..	1,877	15	27	34	35	10	13	11
21 1,000 acres and over.....number..	137	1	1	3	2	1		
LAND AND FARM AREA.								
22 Approximate land area, 1920.....acres..	35,575,040	306,720	273,280	408,960	328,320	283,520	455,680	361,600
23 Land in farms, 1920.....acres..	33,474,856	346,943	285,499	372,213	309,041	277,570	431,483	339,771
24 1910.....acres..	33,930,938	356,756	281,719	373,038	307,671	281,629	449,553	340,103
25 1900.....acres..	34,574,337	360,224	273,042	383,324	325,147	282,456	458,801	349,194
26 Improved land in farms, 1920.....acres..	28,006,951	320,926	242,020	223,555	241,524	260,992	376,818	282,625
27 1910.....acres..	29,491,199	336,611	243,066	226,903	253,724	271,174	411,907	298,809
28 1900.....acres..	29,897,652	331,570	249,130	223,250	206,492	272,197	409,859	318,102
29 Woodland in farms, 1920.....acres..	2,295,274	10,789	14,893	106,053	42,287	7,055	20,532	19,332
30 Other unimproved land in farms, 1920.....acres..	2,572,871	15,228	8,611	42,005	25,290	9,623	34,133	37,814
31 Per cent of land area in farms, 1920.....	94.1	94.6	97.2	91.0	94.1	97.9	94.7	94.0
32 Per cent of farm land improved, 1920.....	85.5	82.5	91.2	60.1	78.2	94.0	87.8	83.2
33 Average acreage per farm, 1920.....	159.8	164.2	163.0	171.1	135.4	152.7	168.4	144.1
34 Average improved acreage per farm, 1920.....	134.0	161.9	148.6	102.8	105.8	143.6	147.1	119.9
VALUE OF FARM PROPERTY.								
35 All farm property, 1920.....dollars..	8,524,870,055	81,879,899	56,668,342	49,665,788	43,514,639	81,063,042	127,068,953	92,748,333
36 1910.....dollars..	3,745,800,544	38,398,575	27,813,705	23,209,977	21,557,859	37,006,935	61,810,512	43,469,145
37 1900.....dollars..	1,834,345,546	18,752,286	14,009,011	13,412,258	12,460,080	14,570,045	20,450,765	22,040,815
38 Land in farms, 1920.....dollars..	6,679,020,577	65,082,145	44,679,793	32,490,466	33,299,227	63,927,887	101,769,359	71,012,499
39 1910.....dollars..	2,801,073,729	28,864,280	20,014,452	14,267,052	15,241,419	28,737,082	48,074,310	32,614,404
40 1900.....dollars..	1,256,751,080	10,865,310	9,662,040	8,389,480	8,111,620	9,814,050	20,788,190	14,943,470
41 Farm buildings, 1920.....dollars..	1,222,751,713	8,038,850	5,410,455	8,984,461	4,608,580	9,374,845	12,936,939	11,804,117
42 1910.....dollars..	455,405,671	4,033,549	3,178,104	4,800,199	2,753,708	4,155,882	6,742,709	5,505,431
43 1900.....dollars..	240,802,810	1,965,700	1,628,760	2,284,690	1,653,450	1,630,500	3,906,730	3,354,200
44 Implements and machinery, 1920.....dollars..	309,172,398	2,504,229	1,943,143	2,769,796	1,685,535	3,031,992	4,172,005	3,423,947
45 1910.....dollars..	95,477,948	845,470	641,023	946,858	571,110	922,478	1,380,244	1,030,996
46 1900.....dollars..	57,960,660	503,840	408,450	627,670	373,280	474,110	799,280	675,210
47 Live stock on farms, 1920.....dollars..	613,926,268	6,184,075	4,034,951	5,421,005	3,621,297	5,629,618	8,150,618	7,007,770
48 1910.....dollars..	393,003,198	4,655,276	3,479,226	3,135,871	2,991,026	3,789,993	5,613,252	4,320,254
49 1900.....dollars..	278,830,006	3,414,436	2,903,761	2,110,468	2,321,730	2,650,485	3,896,585	3,007,935
50 Average values, 1920:								
51 All property per farm.....dollars..	39,941	33,751	34,787	22,835	19,060	45,085	49,598	39,333
52 Land and buildings per farm.....dollars..	35,616	34,605	30,749	19,060	16,604	40,321	44,772	34,910
53 Land alone per acre.....dollars..	199.52	187.59	168.29	87.29	107.75	230.31	235.86	209.00
FARMS OPERATED BY OWNERS.								
54 Number of farms, 1920.....	121,888	1,108	990	1,689	1,726	1,092	1,325	1,252
55 1910.....	133,003	1,298	1,083	1,801	1,682	1,202	1,468	1,248
56 1900.....	147,305	1,450	1,238	2,080	1,769	1,093	1,602	1,418
57 Per cent of all farms, 1920.....	57.1	52.4	60.8	77.7	75.6	60.1	51.7	53.1
58 Land in farms, 1920.....acres..	18,051,121	177,203	161,117	200,128	220,938	162,907	211,332	166,438
59 Improved land in farms, 1920.....acres..	15,319,624	165,084	146,718	173,344	179,287	153,685	184,895	141,311
60 Value of land and buildings, 1920.....dollars..	4,011,441,160	38,036,119	30,419,304	31,047,043	28,120,629	43,469,537	50,620,272	41,591,302
61 Degree of ownership, 1920:								
62 Farmers owning entire farm.....number..	99,008	921	746	1,402	1,421	883	984	984
63 Farmers hiring additional land.....number..	22,880	187	244	197	305	209	341	288
64 Color and nativity of owners, 1920:								
65 Native white owners.....number..	100,741	977	911	1,398	1,567	670	1,140	1,043
66 Foreign-born white owners.....number..	21,073	131	79	289	187	422	185	209
67 Negro and other nonwhite owners.....number..	74			2				
FARMS OPERATED BY MANAGERS.								
68 Number of farms, 1920.....	2,457	32	21	37	14	12	51	39
69 1910.....	1,026	21	4	16	8	10	23	11
70 1900.....	1,581	29	31	8		8	12	14
71 Land in farms, 1920.....acres..	509,086	8,412	5,678	8,568	4,323	2,051	10,330	6,360
72 Improved land in farms, 1920.....acres..	445,897	7,582	5,273	4,851	3,515	1,729	8,544	5,508
73 Value of land and buildings, 1920.....dollars..	125,900,751	1,847,565	1,116,500	974,300	565,432	543,000	2,798,400	1,708,500
FARMS OPERATED BY TENANTS.								
74 Number of farms, 1920.....	89,064	973	618	449	543	714	1,156	1,067
75 1910.....	82,115	908	634	353	622	685	1,165	969
76 1900.....	79,738	908	680	274	737	697	1,100	825
77 Per cent of all farms, 1920.....	41.7	46.0	37.9	20.6	23.8	39.3	46.3	45.3
78 Land in farms, 1920.....acres..	14,854,689	161,238	98,704	73,522	74,880	112,522	209,821	166,083
79 Improved land in farms, 1920.....acres..	12,841,430	148,260	90,029	44,390	58,772	105,578	183,879	135,806
80 Value of land and buildings, 1920.....dollars..	3,464,430,379	33,238,811	18,554,444	8,553,485	9,215,745	20,255,205	55,287,626	39,016,814
81 Form of tenancy, 1920:								
82 Share tenants.....number..	25,006	270	174	230	210	191	234	236
83 Share-cash tenants.....number..	16,401	90	98	13	53	116	97	43
84 Cash tenants.....number..	44,586	580	322	174	258	404	833	749
85 Unspecified.....number..	2,471	33	28	32	22	3	22	39
86 Color and nativity of tenants, 1920:								
87 Native white tenants.....number..	78,090	933	601	416	513	576	1,069	915
88 Foreign-born white tenants.....number..	10,940	40	17	32	30	138	117	152
89 Negro and other nonwhite tenants.....number..	34			1				

¹ The correction of errors discovered after the 1900 census reports were published would make the farm acreage for Allamakee County, 372,448; for Appanoose County, 314,952; for Benton County, 448,874; and for Buena Vista County, 354,835.

WITH SELECTED ITEMS FOR 1910 AND 1900.

Boone.	Bremer.	Buchanan.	Buena Vista.	Butler.	Calhoun.	Carroll.	Cass.	Cedar.	Cerro Gordo.	Cherokee.	Chickasaw.
2,541 2,581 2,670	2,018 1,968 2,004	2,232 2,334 2,447	2,055 1,934 1,966	2,244 2,226 2,304	2,060 1,958 2,134	2,087 2,092 2,176	2,182 2,292 2,305	2,212 2,228 2,291	1,944 1,801 1,967	1,844 1,901 1,908	2,003 2,012 2,197
2,484 57	1,987 31	2,191 41	2,029 26	2,198 46	2,041 19	2,040 47	2,144 38	2,165 47	1,919 25	1,816 28	1,961 42
2,156 382 3	1,710 308	2,002 230	1,449 606	1,642 602	1,766 294	1,699 388	1,898 284	1,859 353	1,596 348	1,444 899 1	1,725 278
7 117 78 100 520	2 58 60 134 442	5 38 32 111 406	2 41 24 50 276	3 60 60 94 321	1 31 86 72 205	2 16 20 72 205	3 46 39 108 347	6 51 38 120 392	2 52 55 73 228	5 15 20 50 174	9 28 84 113 361
1,076 401 159 7 4	924 308 95 5	984 446 195 13 2	968 428 251 15	993 490 211 12	939 444 276 6	1,009 513 238 12	908 474 235 20 2	909 451 226 19	783 451 278 21 1	759 400 339 20 2	898 394 174 10 1
364,160 340,844 341,876 349,930	277,760 263,396 267,528 276,501	362,880 341,855 351,498 357,616	365,440 351,479 349,285 360,231	369,280 348,892 349,375 360,078	363,520 349,731 349,375 362,873	365,440 355,380 351,936 356,987	360,960 355,470 350,605 354,644	364,800 340,658 350,605 348,066	362,880 336,776 336,616 353,188	366,720 352,003 361,435 354,643	318,080 299,881 307,522 311,208
286,873 289,697 307,838 30,205 23,766	203,816 229,505 242,494 15,060 41,520	280,501 303,593 320,901 16,190 40,164	320,109 323,537 338,925 6,930 18,440	307,615 310,430 323,179 4,428 20,382	330,173 326,012 345,079 4,428 15,130	327,420 331,769 346,597 7,022 20,938	326,641 340,970 333,367 12,113 16,726	307,577 313,499 313,237 20,630 18,451	274,819 300,816 314,078 15,146 40,811	806,883 327,047 323,883 7,998 37,122	231,975 259,881 255,930 14,448 53,458
93.6 84.2 134.1 112.9	94.8 78.5 130.5 102.5	94.2 82.1 153.2 125.7	96.2 92.8 171.0 158.7	94.5 88.1 155.5 137.0	90.2 94.4 169.8 160.3	97.2 92.1 170.3 156.9	98.5 91.9 162.9 149.7	95.0 88.7 156.7 139.0	92.8 81.6 173.2 141.4	96.0 77.4 190.9 166.4	94.3 77.4 149.7 115.8
102,714,737 41,240,156 19,266,069	52,764,934 27,381,026 16,364,178	71,576,443 33,807,776 19,270,021	120,634,957 39,661,302 18,606,960	78,203,066 36,983,961 20,198,048	110,554,003 39,900,000 18,321,804	114,677,418 47,331,792 19,731,747	104,384,906 47,476,966 20,333,696	106,460,240 50,843,417 24,769,037	80,420,648 32,771,225 18,907,026	118,337,535 46,729,008 19,235,614	59,105,063 26,555,104 16,705,916
83,832,488 31,544,092 13,481,850 6,180,684 4,893,133 2,496,340	35,161,132 17,816,106 10,389,470 0,060,800 5,235,485 3,084,690	53,990,554 23,772,244 12,852,520 8,397,670 5,045,854 2,755,840	97,625,986 30,310,592 13,001,470 11,899,243 4,569,384 2,306,120	60,772,670 27,437,824 14,145,360 8,898,199 4,656,302 2,571,020	99,699,942 31,980,823 13,248,880 9,898,199 3,806,187 1,992,660	93,547,188 37,465,400 15,670,400 10,433,470 4,760,000 2,527,550	83,981,784 36,522,704 13,725,420 10,025,420 5,026,160 2,395,790	80,090,209 37,077,164 16,324,370 13,494,255 6,733,410 3,027,460	63,136,255 24,122,541 13,272,230 8,640,187 4,371,150 2,384,700	96,284,423 36,465,612 13,341,530 9,943,269 4,611,012 2,205,410	40,330,094 18,285,873 11,594,740 8,521,020 4,184,932 2,390,090
3,026,774 1,102,071 1,632,200 5,794,791 3,700,860 2,656,700	2,952,825 1,075,319 674,200 4,980,087 3,284,716 2,255,818	2,836,926 998,736 646,880 5,881,293 4,052,842 3,014,781	4,078,488 1,070,775 562,610 7,031,240 3,674,751 2,736,760	3,056,406 1,033,996 641,120 5,606,888 3,850,839 2,341,148	4,193,925 918,727 584,120 5,702,027 3,104,334 2,406,244	4,152,866 1,157,139 635,530 0,443,892 3,019,193 2,875,207	3,341,480 1,080,592 602,070 7,036,222 4,897,520 3,610,416	4,040,811 1,163,168 649,060 8,828,965 5,269,075 3,658,147	2,854,368 878,805 640,230 5,783,740 3,401,660 2,610,465	4,077,676 1,157,358 873,840 8,032,167 4,495,126 3,051,784	2,563,355 822,903 559,290 4,080,594 3,201,936 2,251,826
40,423 36,897 245.96	26,142 22,211 133.49	32,068 28,162 187.93	58,703 53,297 277.76	34,850 31,064 174.19	58,036 53,203 285.08	54,901 49,823 263.23	47,839 43,083 266.25	48,128 42,308 231.04	41,360 36,925 187.47	64,174 57,607 273.53	28,011 24,389 184.49
1,250 1,426 1,595 53.1 109,467 142,939 46,790,319	1,316 1,377 1,468 65.2 165,554 130,421 28,271,252	1,230 1,456 1,040 55.5 175,007 144,814 33,107,993	979 990 1,213 47.6 154,408 144,013 48,341,844	1,082 1,214 1,302 48.2 156,463 137,077 32,416,177	891 1,011 1,252 43.3 141,090 134,650 44,526,101	1,041 1,180 1,366 49.9 177,281 163,796 53,167,300	1,239 1,367 1,442 53.8 197,561 181,589 53,130,204	1,259 1,360 1,492 57.7 187,558 166,030 51,059,378	927 1,048 1,229 40.4 142,579 118,581 31,252,765	745 929 1,071 63.3 133,119 116,269 46,630,963	1,297 1,413 1,071 63.3 185,002 145,023 30,144,594
983 367	1,181 135	1,003 236	800 179	898 184	707 184	849 192	977 262	1,118 141	739 188	536 209	1,023 54
1,093 255 2	1,088 228	1,090 149	630 340	762 320	703 188	766 275	1,037 202	1,030 229	734 193	581 163 1	1,096 201 61
25 12 3	15 5	30 28 15	22 14 18	11 8 8	12 7 4	21 11 20	23 32 21	43 37 14	22 22 21	26 11 9	17 8 8
4,581 3,930 1,420,260	4,377 2,843 823,600	7,321 5,042 1,273,600	6,023 5,741 1,795,000	2,139 1,599 447,150	2,491 2,218 811,913	4,206 3,751 1,260,515	4,781 4,170 1,491,260	7,829 7,278 2,139,471	5,261 3,839 1,451,250	5,817 4,501 1,420,587	3,744 2,332 771,795
1,166 1,143 1,072 45.0 106,796 140,004 44,773,603	687 576 531 34.0 93,465 73,552 15,727,170	963 850 783 43.1 159,527 176,355 28,476,631	1,054 930 994 51.3 191,048 176,355 59,888,385	1,151 1,004 994 51.3 190,200 168,239 36,777,355	1,157 892 878 56.2 206,150 193,206 64,257,127	1,025 892 789 49.1 173,893 159,873 49,562,843	920 903 932 42.2 163,147 140,873 39,385,740	910 831 785 41.1 151,271 134,269 40,385,615	995 791 707 51.2 188,936 152,399 39,078,427	1,073 961 797 58.2 213,067 186,113 64,176,142	719 591 618 35.9 111,135 84,620 18,184,725
306 292 568	185 9 487	301 74 551	203 264 587	248 97 763	269 670 201	163 193 661	206 111 542	171 39 668	212 270 490	169 64 829	197 58 436
1,041 124 1	609 78	882 81	803 251	870 281	1,052 105	915 110	838 82	792 118	842 153	841 232	642 77

AGRICULTURE—IOWA.

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

		Clarke.	Clay.	Clayton.	Clinton.	Crawford.	Dallas.	Davis.	Decatur.
ALL FARMS.									
1	Number of farms, 1920.....	1,488	1,789	3,101	2,729	2,444	2,320	2,089	2,029
2	1910.....	1,556	1,683	3,049	2,844	2,381	2,446	2,238	2,165
3	1900.....	1,714	1,684	3,318	2,786	2,649	2,607	2,553	2,508
4	All farmers classified by sex, 1920:								
5	Male.....number.....	1,467	1,748	3,040	2,670	2,405	2,285	2,040	1,979
6	Female.....number.....	21	21	61	59	39	35	49	50
7	Color and nativity of all farmers, 1920:								
8	Native white.....number.....	1,454	1,426	2,688	2,116	1,860	2,213	2,028	1,981
9	Foreign-born white.....number.....	32	343	413	613	584	107	60	48
10	Negro and other nonwhite.....number.....	2						1	
11	All farms classified by size, 1920:								
12	Under 3 acres.....number.....		3	3	8	1	5	15	5
13	3 to 9 acres.....number.....	21	8	84	79	52	64	56	48
14	10 to 19 acres.....number.....	31	21	66	85	22	71	34	40
15	20 to 49 acres.....number.....	97	38	229	153	58	146	165	191
16	50 to 99 acres.....number.....	248	220	548	451	267	439	468	396
17	100 to 174 acres.....number.....	562	740	1,163	1,049	1,091	900	772	715
18	175 to 259 acres.....number.....	294	403	668	603	572	421	363	349
19	260 to 499 acres.....number.....	214	306	326	286	350	250	185	241
20	500 to 999 acres.....number.....	20	29	13	15	31	20	27	39
21	1,000 acres and over.....number.....	1	1	1			4	4	6
LAND AND FARM AREA.									
22	Approximate land area, 1920.....acres.....	273,920	360,320	487,680	442,240	457,600	376,060	320,040	341,120
23	Land in farms, 1920.....acres.....	248,492	341,029	463,749	420,592	438,369	356,359	303,700	322,246
24	1910.....acres.....	260,944	335,912	461,417	423,469	439,451	356,181	311,422	319,069
25	1900.....acres.....	1,259,491	344,960	459,892	423,251	449,956	359,280	318,392	320,078
26	Improved land in farms, 1920.....acres.....	200,987	287,642	327,399	365,842	406,952	300,049	248,718	264,154
27	1910.....acres.....	209,483	313,382	328,511	372,916	415,307	304,173	243,710	257,963
28	1900.....acres.....	197,818	324,815	314,776	383,562	416,917	307,221	246,558	235,657
29	Woodland in farms, 1920.....acres.....	25,304	8,518	94,533	24,030	18,123	28,576	43,617	40,484
30	Other unimproved land in farms, 1920.....acres.....	22,201	44,869	41,817	30,690	13,294	26,834	11,366	17,608
31	Per cent of land area in farms, 1920.....	90.7	94.0	95.1	95.1	95.8	94.5	94.7	94.5
32	Per cent of farm land improved, 1920.....	80.9	84.3	70.6	87.0	92.8	84.5	81.9	82.0
33	Average acreage per farm, 1920.....	167.0	192.8	149.5	154.1	179.4	153.6	145.4	158.8
34	Average improved acreage per farm, 1920.....	135.1	162.6	105.6	134.1	166.5	129.7	119.1	130.2
VALUE OF FARM PROPERTY.									
35	All farm property, 1920.....dollars.....	43,655,653	93,374,109	81,101,412	99,663,951	128,704,310	103,095,403	43,428,038	51,720,079
36	1910.....dollars.....	21,833,423	30,715,857	37,651,066	51,768,488	52,503,943	45,819,944	22,592,382	24,776,661
37	1900.....dollars.....	10,883,038	16,130,252	21,088,228	28,690,135	29,084,465	20,475,059	12,146,644	13,033,781
38	Land in farms, 1920.....dollars.....	34,841,210	74,408,047	54,083,638	71,667,256	99,993,154	83,611,696	31,475,683	40,104,715
39	1910.....dollars.....	16,070,452	23,304,306	25,119,431	36,728,066	40,201,430	35,542,623	15,571,749	17,501,533
40	1900.....dollars.....	7,131,900	11,440,140	13,826,980	19,623,080	15,266,790	14,124,010	7,762,460	8,537,330
41	Farm buildings, 1920.....dollars.....	3,960,154	8,965,560	14,393,205	14,872,639	13,909,621	9,417,348	5,632,646	5,704,663
42	1910.....dollars.....	2,420,598	3,448,984	6,359,883	8,004,621	5,541,363	4,675,650	2,982,619	3,394,072
43	1900.....dollars.....	1,248,960	1,760,250	3,065,540	4,285,110	3,040,900	2,605,300	1,724,020	1,676,120
44	Implements and machinery, 1920.....dollars.....	1,329,278	3,385,662	4,078,122	4,049,086	5,109,575	3,375,933	1,840,304	1,787,222
45	1910.....dollars.....	470,949	807,058	1,461,091	1,336,437	1,281,548	988,785	624,210	670,953
46	1900.....dollars.....	318,790	526,780	898,390	822,230	779,500	560,660	399,310	402,600
47	Live stock on farms, 1920.....dollars.....	3,525,011	6,534,250	8,546,590	9,074,970	9,991,960	6,690,420	4,479,405	4,123,479
48	1910.....dollars.....	2,871,426	3,155,509	4,710,661	5,609,304	5,479,602	4,612,986	3,413,804	3,210,103
49	1900.....dollars.....	2,183,388	2,413,082	3,217,318	3,959,715	3,988,215	3,279,689	2,260,854	2,417,731
50	Average values, 1920:								
51	All property per farm.....dollars.....	29,388	52,784	26,153	36,520	52,661	44,438	20,789	25,490
52	Land and buildings per farm.....dollars.....	26,076	47,176	22,082	31,711	46,605	40,099	17,764	22,577
53	Land alone per acre.....dollars.....	140.21	218.45	116.62	170.40	228.10	234.63	103.64	124.45
FARMS OPERATED BY OWNERS.									
54	Number of farms, 1920.....	882	851	2,208	1,633	1,316	1,219	1,555	1,345
55	1910.....	969	906	2,346	1,722	1,330	1,400	1,650	1,461
56	1900.....	1,076	953	2,673	1,671	1,639	1,584	1,809	1,691
57	Per cent of all farms, 1920.....	59.3	48.1	71.2	59.8	53.8	52.5	74.4	66.3
58	Land in farms, 1920.....acres.....	140,956	157,629	320,733	239,565	235,273	176,192	218,614	206,150
59	Improved land in farms, 1920.....acres.....	112,895	134,491	228,907	210,145	216,390	146,417	181,296	170,300
60	Value of land and buildings, 1920.....dollars.....	22,011,162	39,959,372	48,010,260	49,748,875	61,249,714	45,896,814	20,766,024	30,226,233
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number.....	740	673	1,997	1,372	1,131	980	1,280	1,064
63	Farmers hiring additional land.....number.....	142	178	211	261	185	289	275	281
64	Color and nativity of owners, 1920:								
65	Native white owners.....number.....	854	623	1,862	1,236	919	1,145	1,501	1,302
66	Foreign-born white owners.....number.....	27	228	340	397	397	74	53	43
67	Negro and other nonwhite owners.....number.....	1						1	
FARMS OPERATED BY MANAGERS.									
68	Number of farms, 1920.....	25	7	21	32	22		27	30
69	1910.....	46	16	28	23	24	44	20	26
70	1900.....	12	8	11	29	9	29	13	10
71	Land in farms, 1920.....acres.....	7,393	1,600	3,933	5,459	5,433	7,732	10,091	6,325
72	Improved land in farms, 1920.....acres.....	6,274	1,387	2,265	4,511	4,904	6,363	7,619	5,560
73	Value of land and buildings, 1920.....dollars.....	1,198,290	466,800	515,950	1,110,460	1,228,840	1,965,080	1,151,240	948,270
FARMS OPERATED BY TENANTS.									
74	Number of farms, 1920.....	581	911	872	1,084	1,106	1,069	507	654
75	1910.....	541	754	675	1,099	1,007	1,002	568	678
76	1900.....	626	715	694	1,086	1,001	736	594	807
77	Per cent of all farms, 1920.....	39.0	51.5	28.1	39.0	46.9	46.1	24.9	32.2
78	Land in farms, 1920.....acres.....	100,143	181,740	130,083	175,663	197,663	172,485	74,995	109,771
79	Improved land in farms, 1920.....acres.....	81,818	151,814	96,207	151,186	185,658	149,174	60,003	88,198
80	Value of land and buildings, 1920.....dollars.....	15,596,912	43,025,625	19,950,548	35,680,570	51,427,221	45,107,200	9,101,065	14,682,875
81	Form of tenancy, 1920:								
82	Share tenants.....number.....	202	139	414	150	166	376	209	313
83	Share-cash tenants.....number.....	132	420	18	30	50	326	59	137
84	Cash tenants.....number.....	236	333	398	851	841	319	198	203
85	Unspecified.....number.....	11	14	42	33	49	48	41	1
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number.....	576	797	806	854	925	1,036	500	649
88	Foreign-born white tenants.....number.....	4	114	66	210	181	33	7	6
89	Negro and other nonwhite tenants.....number.....	1							

¹The correction of errors discovered after the 1900 census reports were published would make the farm acreage for Clarke County, 256,408, and for Fremont County, 308,174.

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Delaware.	Des Moines.	Dickinson.	Dubuque.	Emmet.	Fayette.	Floyd.	Franklin.	Fremont.	Greene.	Grundy.	Guthrie.	
2,284	1,926	1,043	2,372	1,193	3,157	1,916	2,040	1,858	2,059	1,725	2,315	1
2,208	1,995	985	2,403	1,047	3,124	1,907	1,915	2,050	2,151	1,704	2,330	2
2,241	2,189	995	2,485	1,056	3,261	2,054	1,874	2,394	2,314	1,783	2,492	3
2,222	1,859	1,033	2,282	1,179	3,091	1,893	2,013	1,817	2,020	1,698	2,282	4
62	67	10	90	14	66	23	27	41	39	27	33	5
1,927	1,661	868	2,092	905	2,740	1,653	1,485	1,772	1,900	1,311	2,139	6
357	204	175	280	288	405	263	655	85	157	414	176	7
1	1				12			1	2			8
16	5		8		7	4		4		6	2	9
90	99		88		84	50	31	57	32	14	20	10
55	97	5	86	14	72	35	31	49	35	12	40	11
100	203	30	190	28	215	105	60	145	95	43	152	12
334	416	80	323	129	627	287	234	408	288	172	470	13
946	678	496	830	525	1,366	859	956	635	923	765	948	14
512	271	183	648	206	502	370	426	315	413	454	420	15
214	140	222	280	201	215	189	267	213	253	245	220	16
16	17	19	18	16	9	7	24	32	16	14	27	17
1			1	1		1	1		1		1	18
365,440	261,780	240,040	384,640	251,520	463,860	310,800	399,920	324,480	367,360	320,040	380,800	19
347,787	243,516	208,396	366,017	232,053	437,026	295,458	350,479	283,658	339,050	313,516	357,980	20
350,223	249,983	208,321	366,390	224,054	447,459	298,544	368,833	296,977	357,908	318,290	354,200	21
355,619	250,572	221,970	367,203	230,580	445,118	303,843	362,001	328,968	366,125	316,912	357,076	22
278,610	181,069	186,890	269,830	200,675	336,346	254,433	306,032	254,475	305,840	281,303	291,806	23
295,980	190,429	186,107	272,010	181,179	365,904	266,474	313,812	267,438	313,347	301,108	295,710	24
262,886	180,832	198,812	259,735	209,877	350,848	278,541	320,411	295,577	329,617	304,421	304,646	25
28,246	36,682	3,550	52,453	6,558	28,467	14,788	11,559	14,800	14,394	8,110	32,955	26
40,931	26,765	17,956	45,784	25,820	72,813	26,237	38,858	14,383	18,816	29,103	33,225	27
95.2	93.0	86.6	95.2	92.3	94.4	93.3	96.4	87.4	92.3	97.8	94.0	28
80.1	74.4	89.7	73.7	80.5	76.9	86.1	85.9	89.7	90.2	89.7	81.5	29
152.3	126.4	199.8	154.3	194.5	138.6	154.2	174.7	152.7	104.7	181.7	154.6	30
122.0	94.0	170.2	113.8	168.2	106.5	132.8	150.0	137.0	148.5	163.1	120.1	31
74,161,211	56,168,054	49,718,358	64,653,779	57,844,948	87,215,112	66,167,338	91,564,214	73,612,378	110,609,208	96,550,301	88,255,576	32
35,851,459	30,411,333	16,635,744	33,745,193	17,627,234	40,477,610	29,617,840	35,016,546	37,608,561	42,782,047	40,721,411	38,992,711	33
21,524,703	14,780,463	8,680,196	20,941,839	9,492,004	23,387,278	10,733,072	19,187,673	17,864,911	18,638,884	21,819,200	10,836,443	34
53,013,506	41,614,540	40,307,064	44,612,589	46,410,900	61,669,262	50,202,229	72,539,397	59,101,417	92,037,349	77,061,977	69,836,673	35
24,553,052	22,288,233	12,745,471	22,683,258	13,488,222	27,038,317	21,525,752	26,822,871	20,836,706	33,634,900	37,564,730	29,774,932	36
14,607,900	9,876,800	6,243,020	13,931,470	6,859,870	15,210,420	11,533,320	13,873,480	12,761,750	18,018,450	16,614,830	11,201,840	37
10,981,179	7,436,285	4,288,536	10,142,360	5,667,650	14,147,116	8,517,978	9,540,170	6,086,327	9,079,744	9,316,478	8,784,529	38
5,718,555	4,210,841	1,757,410	5,908,080	1,923,274	6,835,725	4,097,152	4,263,055	3,043,487	4,198,301	4,240,340	4,184,895	39
3,123,380	2,476,230	979,200	3,336,240	3,750,290	3,750,290	2,384,020	2,025,880	1,990,800	2,186,710	2,337,520	2,025,720	40
3,184,301	2,850,529	1,750,047	3,250,005	2,013,304	3,794,867	2,538,199	3,068,416	2,338,711	3,434,629	3,551,768	3,091,630	41
1,162,937	993,063	443,600	1,138,688	462,651	1,470,597	930,821	1,024,122	692,417	1,028,373	1,061,083	886,123	42
764,060	490,030	329,060	779,230	312,020	828,120	614,370	664,000	420,280	584,070	616,590	512,750	43
6,382,165	4,750,700	3,372,711	6,648,825	3,753,088	7,608,867	4,908,932	6,426,222	5,185,023	6,067,486	6,020,078	6,642,744	44
4,416,915	2,919,696	1,689,254	4,016,167	1,758,087	5,132,971	3,064,115	3,801,798	3,435,951	3,919,913	4,065,268	4,147,761	45
3,088,823	1,939,403	1,143,256	2,894,899	1,841,214	3,592,443	2,201,362	2,723,713	2,646,021	2,849,654	2,751,260	3,090,133	46
32,470	29,158	47,669	27,257	48,487	27,626	34,534	44,884	39,619	53,720	55,971	38,122	47
28,281	25,468	42,767	23,084	43,663	24,015	30,647	40,235	35,569	49,110	50,422	33,962	48
164.10	170.89	193.42	121.89	200.00	140.92	169.91	203.49	208.35	271.46	247.71	165.08	49
1,358	1,341	422	1,832	549	1,959	994	929	998	918	712	1,297	50
1,398	1,427	472	1,882	531	2,138	1,084	1,007	1,133	1,075	765	1,841	51
1,601	1,619	504	1,960	500	2,340	1,277	1,192	1,351	1,376	893	1,609	52
69.5	69.6	77.2	46.0	46.0	62.1	51.9	45.5	63.7	44.6	41.3	50.0	53
199,089	162,022	76,599	275,961	91,844	255,312	141,173	150,151	147,064	138,241	126,787	191,853	54
161,203	117,837	69,143	204,622	80,030	195,924	123,062	131,692	131,270	124,681	116,013	157,484	55
37,010,329	31,726,607	16,929,082	41,314,154	21,334,123	44,622,040	28,585,641	35,955,610	35,102,112	41,224,107	30,124,705	42,114,069	56
1,169	1,054	356	1,599	440	1,702	790	789	773	735	566	1,037	57
189	287	66	233	109	257	204	140	225	183	146	250	58
1,101	1,106	333	1,584	387	1,638	804	614	928	833	518	1,178	59
257	234	89	248	102	317	190	315	69	84	194	119	60
	1				4			1	1			61
9	28	9	20	10	24	25	20	40	30	12	29	62
13	25	12	17	8	18	11	19	51	24	9	15	63
11	8	10	20	12	25	13	12	19	13	10	20	64
1,447	5,308	4,775	6,634	3,815	6,633	4,728	4,127	7,277	7,703	2,674	6,743	65
1,326	3,630	3,760	4,650	2,950	5,067	4,031	3,385	6,724	6,390	2,215	4,158	66
290,800	1,244,133	841,100	864,600	825,200	1,147,607	983,475	964,230	1,709,850	2,254,100	817,495	1,182,980	67
917	557	612	520	634	1,164	897	1,091	820	1,111	1,001	989	68
797	543	501	504	508	968	812	889	866	1,052	1,000	974	69
729	662	501	505	454	896	704	730	1,024	925	860	963	70
40.1	28.9	58.7	21.9	53.1	36.9	46.8	53.5	44.1	54.0	58.0	42.7	71
147,251	76,180	127,052	83,422	136,394	175,681	149,557	202,201	129,317	193,106	184,055	159,590	72
116,081	59,607	113,987	60,755	117,695	135,305	127,840	170,985	116,481	174,819	164,075	130,104	73
27,287,618	16,080,085	26,825,418	12,576,195	29,919,233	30,040,725	29,151,091	45,159,736	29,185,782	57,638,886	50,036,265	35,324,213	74
400	247	83	107	117	462	227	167	537	236	189	261	75
61	52	266	26	302	63	142	105	150	671	113	317	76
418	258	263	356	206	594	401	691	124	297	661	362	77
38		31		9	45	37	28	9	7	8	49	78
818	528	527	492	509	1,068	826	859	804	1,039	784	932	79
99	29	85	28	125	88	71	232	16	72	217	57	80
					8							81

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

		Hamilton.	Hancock.	Hardin.	Harrison.	Henry.	Howard.	Humboldt.	Ida.
ALL FARMS.									
1	Number of farms, 1920.....	2,181	1,875	2,129	2,881	1,980	1,708	1,380	1,398
2	1910.....	2,210	1,636	2,235	2,014	2,145	1,050	1,476	1,474
3	1900.....	2,245	1,703	2,294	3,224	2,232	1,708	1,478	1,493
4	All farmers classified by sex, 1920:								
5	Male.....number.....	2,141	1,848	2,091	2,822	1,943	1,674	1,368	1,376
6	Female.....number.....	40	27	38	59	46	34	12	22
7	Color and nativity of all farmers, 1920:								
8	Native white.....number.....	1,705	1,354	1,745	2,594	1,840	1,336	1,000	1,021
9	Foreign-born white.....number.....	476	521	384	287	148	372	380	377
10	Negro and other nonwhite.....number.....					1			
11	All farms classified by size, 1920:								
12	Under 3 acres.....number.....	3	2	4	9	12	4		
13	3 to 9 acres.....number.....	22	30	42	57	98	33	11	19
14	10 to 19 acres.....number.....	58	17	56	82	64	31	18	6
15	20 to 49 acres.....number.....	86	50	104	242	178	65	27	23
16	50 to 99 acres.....number.....	305	235	293	610	490	257	123	125
17	100 to 174 acres.....number.....	999	836	895	1,130	747	754	632	610
18	175 to 259 acres.....number.....	475	344	481	475	257	348	338	354
19	260 to 499 acres.....number.....	227	341	220	250	125	204	221	245
20	500 to 999 acres.....number.....	5	20	23	24	16	12	10	16
21	1,000 acres and over.....number.....	1		2	2	2			
LAND AND FARM AREA.									
22	Approximate land area, 1920.....acres.....	354,800	304,800	304,160	442,240	273,280	209,520	275,840	275,200
23	Land in farms, 1920.....acres.....	353,069	345,713	350,027	414,961	252,368	209,807	254,844	270,006
24	1910.....acres.....	357,803	340,298	351,784	408,097	263,749	235,402	269,110	270,092
25	1900.....acres.....	364,042	349,342	351,046	422,749	271,558	201,263	274,613	270,415
26	Improved land in farms, 1920.....acres.....	316,755	300,755	300,086	330,633	201,173	232,451	235,655	258,787
27	1910.....acres.....	315,343	311,300	314,787	346,138	209,182	232,773	242,327	264,000
28	1900.....acres.....	328,308	322,038	305,871	332,308	215,464	237,938	258,186	260,550
29	Woodland in farms, 1920.....acres.....	13,205	6,584	24,535	35,451	27,399	11,544	8,333	4,403
30	Other unimproved land in farms, 1920.....acres.....	23,109	38,374	24,506	48,577	23,799	36,812	10,856	7,716
31	Per cent of land area in farms, 1920.....	96.8	94.8	96.1	93.8	92.3	93.8	92.4	98.4
32	Per cent of farm land improved, 1920.....	89.7	87.0	86.0	79.7	79.7	82.8	92.5	95.5
33	Average acreage per farm, 1920.....	161.9	184.4	164.4	144.0	126.9	164.4	184.7	193.8
34	Average improved acreage per farm, 1920.....	145.2	160.4	141.4	114.8	101.1	136.1	170.8	185.1
VALUE OF FARM PROPERTY.									
35	All farm property, 1920.....dollars.....	110,444,800	82,472,814	97,990,488	96,453,853	63,868,448	45,461,458	80,403,032	93,570,061
36	1910.....dollars.....	43,330,235	27,907,606	43,220,085	42,407,607	36,647,677	23,300,105	27,912,429	38,504,175
37	1900.....dollars.....	18,910,028	15,736,671	19,201,077	19,042,960	16,070,298	14,267,639	14,093,094	15,174,318
38	Land in farms, 1920.....dollars.....	89,235,123	65,843,621	78,744,051	76,902,099	49,015,925	32,421,738	65,311,854	73,289,475
39	1910.....dollars.....	33,805,775	20,885,061	33,199,345	31,865,394	27,436,176	16,337,781	20,994,244	29,480,105
40	1900.....dollars.....	13,245,110	11,307,060	13,272,250	12,530,850	10,728,740	9,800,150	9,904,680	10,104,640
41	Farm buildings, 1920.....dollars.....	10,789,305	8,290,985	10,051,018	9,365,053	7,442,390	6,643,428	7,675,386	9,933,040
42	1910.....dollars.....	4,677,891	3,386,212	5,039,805	4,827,528	4,787,866	3,628,610	3,461,050	4,407,095
43	1900.....dollars.....	2,304,880	1,735,980	2,471,260	2,481,820	2,506,750	1,971,910	1,740,780	1,933,970
44	Implements and machinery, 1920.....dollars.....	3,822,151	3,104,762	3,125,140	3,472,975	2,415,605	2,147,120	2,732,874	3,338,051
45	1910.....dollars.....	1,073,276	844,850	1,072,508	1,062,822	815,231	757,038	717,756	1,031,947
46	1900.....dollars.....	595,720	565,090	604,990	655,470	461,980	507,630	468,100	538,590
47	Live stock on farms, 1920.....dollars.....	6,594,443	5,254,443	6,070,279	6,713,726	4,994,628	4,249,172	4,682,918	6,079,495
48	1910.....dollars.....	3,882,293	2,881,433	3,010,667	4,021,923	3,608,404	2,736,676	2,739,379	3,585,028
49	1900.....dollars.....	2,704,918	2,068,541	2,852,577	3,374,820	2,372,828	1,987,949	1,974,374	2,697,118
50	Average values, 1920:								
51	All property per farm.....dollars.....	50,640	43,986	46,027	33,479	32,111	26,617	58,263	66,931
52	Land and buildings per farm.....dollars.....	45,862	39,527	41,707	29,943	28,385	22,872	52,889	50,551
53	Land alone per acre.....dollars.....	252.74	190.46	224.97	185.32	194.22	115.46	250.28	270.53
FARMS OPERATED BY OWNERS.									
54	Number of farms, 1920.....	1,141	839	1,032	1,638	1,303	1,039	721	595
55	1910.....	1,296	876	1,227	1,719	1,464	1,121	844	744
56	1900.....	1,418	970	1,471	1,955	1,678	1,267	931	877
57	Per cent of all farms, 1920.....	52.3	47.4	48.5	56.9	65.5	60.8	52.2	42.6
58	Land in farms, 1920.....acres.....	173,854	151,908	158,874	233,835	158,778	160,000	125,249	111,716
59	Improved land in farms, 1920.....acres.....	159,966	132,503	137,777	180,774	125,302	134,158	117,145	106,962
60	Value of land and buildings, 1920.....dollars.....	50,148,015	32,947,668	40,606,017	48,061,987	34,269,113	22,780,591	37,332,173	34,260,450
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number.....	916	722	879	1,282	1,042	804	565	513
63	Farmers hiring additional land.....number.....	225	167	153	356	261	235	156	82
64	Color and nativity of owners, 1920:								
65	Native white owners.....number.....	819	566	797	1,427	1,195	787	486	381
66	Foreign-born white owners.....number.....	322	323	235	211	107	252	235	214
67	Negro and other nonwhite owners.....number.....					1			
FARMS OPERATED BY MANAGERS.									
68	Number of farms, 1920.....	23	26	35	20	19	21	17	19
69	1910.....	22	11	14	20	17	8	14	14
70	1900.....	22	19	16	21	9	3	6	8
71	Land in farms, 1920.....acres.....	6,038	5,938	6,801	3,644	4,467	3,959	3,633	4,765
72	Improved land in farms, 1920.....acres.....	4,400	4,009	5,897	2,936	3,095	2,940	3,564	4,251
73	Value of land and buildings, 1920.....dollars.....	1,675,550	1,317,245	2,290,018	728,000	995,700	537,635	1,035,900	1,636,700
FARMS OPERATED BY TENANTS.									
74	Number of farms, 1920.....	1,017	960	1,062	1,223	687	648	642	784
75	1910.....	901	749	994	1,175	604	521	618	716
76	1900.....	805	714	807	1,248	665	438	541	608
77	Per cent of all farms, 1920.....	46.6	51.2	46.9	42.5	33.5	37.9	46.5	56.1
78	Land in farms, 1920.....acres.....	173,177	187,867	184,352	177,482	89,123	110,758	125,962	164,425
79	Improved land in farms, 1920.....acres.....	155,390	163,343	157,342	146,023	72,776	95,353	114,946	147,574
80	Value of land and buildings, 1920.....dollars.....	48,300,863	39,848,695	45,838,134	37,476,265	21,193,602	15,746,940	34,619,167	47,355,365
81	Form of tenancy, 1920:								
82	Share tenants.....number.....	311	214	262	640	206	153	191	95
83	Share-cash tenants.....number.....	331	447	175	152	181	139	235	97
84	Cash tenants.....number.....	368	209	536	309	254	336	214	592
85	Unspecified.....number.....	17		89	62	26	20	2	
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number.....	864	774	915	1,147	627	530	501	622
88	Foreign-born white tenants.....number.....	153	186	147	76	40	118	141	162
89	Negro and other nonwhite tenants.....number.....								

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Iowa.	Jackson.	Jasper.	Jefferson.	Johnson.	Jones.	Keokuk.	Kossuth.	Lee.	Linn.	Louisa.	Lucas.	
2,256	2,327	2,946	1,960	2,625	2,090	2,764	2,928	2,297	3,666	1,470	1,617	1
2,309	2,400	3,272	2,020	2,653	2,110	2,770	2,656	2,360	3,619	1,543	1,815	2
2,454	2,637	3,320	2,206	2,712	2,373	2,927	2,807	2,549	3,587	1,619	1,892	3
2,226	2,276	2,887	1,915	2,580	2,058	2,679	2,891	2,196	3,589	1,481	1,590	4
30	51	59	45	45	32	85	37	101	77	39	27	5
2,022	2,008	2,561	1,825	2,378	1,761	2,641	2,211	2,100	3,177	1,405	1,530	6
234	319	385	135	247	329	123	716	172	488	64	86	7
							1	25	1	1	1	8
8	7	3	5	8	1	8	4	12	20	2	2	9
46	60	67	62	81	35	107	26	93	290	30	28	10
35	57	54	67	59	53	86	34	101	218	57	46	11
133	156	255	172	185	118	289	54	246	379	113	142	12
300	352	596	450	527	344	651	263	510	816	277	349	13
1,014	817	1,140	728	1,077	812	1,008	1,278	792	1,262	509	548	14
424	507	525	325	449	445	397	686	323	488	300	287	15
195	333	265	140	225	264	212	572	195	180	158	194	16
10	31	30	10	14	16	10	34	23	12	23	20	17
1	7	2	1		2		2	2	1	1	1	18
373,120	404,480	467,200	275,840	390,400	364,160	369,920	622,720	327,040	453,760	253,440	276,480	19
360,634	392,339	439,155	262,038	374,243	339,602	357,112	574,605	303,415	418,676	228,438	246,292	20
360,024	389,773	453,901	263,200	378,334	341,483	357,571	566,404	310,690	431,055	236,934	263,659	21
368,770	394,420	464,105	268,189	385,770	354,699	361,544	587,147	312,862	432,888	237,972	263,974	22
312,071	206,453	385,825	192,358	320,596	275,873	303,497	505,669	205,508	335,164	136,344	193,806	23
309,215	271,379	409,931	213,747	324,167	281,916	304,094	492,571	215,631	367,792	190,885	206,959	24
312,378	271,742	425,393	211,089	319,264	289,431	300,975	539,818	216,794	351,998	132,032	198,724	25
31,902	78,577	29,576	27,292	34,187	35,715	38,315	10,520	63,216	35,943	29,477	36,302	26
16,601	47,309	23,754	42,388	19,460	27,914	15,300	58,416	34,691	47,569	12,617	16,184	27
96.7	97.0	94.0	95.0	95.9	93.2	96.5	92.3	92.8	92.3	90.1	89.1	28
88.5	67.9	87.9	73.4	85.7	81.3	85.0	88.0	67.7	80.1	81.6	78.7	29
159.9	168.6	149.1	133.7	142.6	162.4	129.2	106.2	132.1	114.2	155.4	152.3	30
138.3	114.5	131.0	98.1	122.1	132.0	109.8	172.7	89.5	91.4	126.8	119.9	31
91,655,534	63,227,050	125,074,387	57,324,373	97,727,923	76,791,970	89,777,164	144,898,483	49,849,270	106,952,302	53,975,577	40,150,462	32
44,278,627	31,163,451	57,093,340	29,009,908	47,165,241	38,740,109	44,606,787	46,188,957	28,011,713	53,024,754	28,497,540	20,944,202	33
20,048,403	18,757,563	27,565,370	13,983,108	23,500,648	21,027,271	20,290,315	24,091,541	14,421,562	28,128,851	12,727,294	11,076,330	34
69,657,118	43,662,077	98,532,975	42,678,200	72,280,067	56,633,244	69,528,848	116,580,165	36,043,920	80,939,677	41,568,609	31,020,398	35
32,970,518	20,441,071	44,126,252	21,018,523	33,650,818	27,408,579	33,257,487	34,923,002	19,570,203	39,860,499	21,509,372	15,080,437	36
13,740,820	11,908,850	18,095,090	9,042,520	15,323,830	14,761,750	13,560,190	17,023,910	9,539,660	19,207,170	8,812,240	7,296,300	37
10,845,788	10,118,890	13,148,610	7,638,975	13,057,891	9,889,720	10,236,020	13,667,267	7,236,179	14,097,929	6,064,406	4,120,615	38
5,127,529	5,463,640	6,284,834	4,057,060	6,892,973	5,525,556	5,317,245	5,310,078	4,408,367	7,529,081	3,322,354	2,467,680	39
2,829,300	3,037,650	3,344,060	2,247,510	3,780,670	3,081,660	2,724,690	2,830,460	2,441,890	4,254,110	1,770,530	1,318,340	40
8,507,150	2,689,241	4,112,300	2,297,559	3,859,170	2,912,274	2,990,271	5,400,797	2,267,986	3,670,670	1,820,112	1,506,612	41
1,065,100	910,214	1,327,740	704,800	1,202,618	962,690	948,904	1,330,081	825,182	1,298,951	637,012	531,737	42
616,260	656,930	778,600	445,610	748,320	598,930	664,690	947,420	453,130	819,190	552,090	334,850	43
7,645,528	6,756,833	9,250,502	4,709,039	8,521,795	7,856,732	7,022,325	9,235,264	4,301,179	8,244,066	4,522,451	3,502,837	44
5,117,680	4,348,526	6,254,514	3,228,865	5,418,832	4,783,284	5,083,151	4,605,796	3,201,981	5,236,223	3,028,808	2,864,308	45
3,463,023	3,104,033	4,447,620	2,247,468	3,693,848	3,434,931	3,340,935	3,259,751	1,986,872	3,948,381	1,791,584	2,127,940	46
40,027	27,171	42,456	29,247	37,230	36,743	32,481	49,488	21,702	29,174	36,718	24,830	47
35,064	23,112	37,910	25,672	32,513	31,829	28,858	44,489	18,842	25,924	32,403	21,782	48
193.15	111.29	224.37	102.87	193.10	166.81	194.70	202.92	118.79	193.32	151.97	125.95	49
1,426	1,092	1,730	1,328	1,821	1,341	1,860	1,401	1,592	2,293	879	1,095	50
1,450	1,869	2,038	1,417	1,905	1,417	1,967	1,431	1,704	2,505	963	1,234	51
1,693	2,070	2,108	1,541	2,035	1,645	2,047	1,727	1,822	2,450	1,066	1,304	52
63.2	72.7	68.7	67.8	69.4	64.2	67.6	47.8	69.3	82.5	69.8	67.7	53
210,416	288,777	249,760	171,082	253,176	217,606	237,945	255,296	204,448	237,733	128,612	162,378	54
190,357	198,435	219,238	124,010	216,156	176,001	201,490	230,491	137,618	194,614	104,928	128,570	55
49,678,990	39,170,910	64,640,840	31,999,675	57,992,378	42,324,612	53,400,567	60,778,927	28,225,550	55,821,076	26,787,342	23,502,219	56
1,135	1,354	1,353	1,074	1,551	1,191	1,423	1,107	1,271	1,895	677	709	57
201	308	377	254	270	150	446	234	321	398	202	206	58
1,265	1,421	1,496	1,213	1,613	1,107	1,769	959	1,425	1,911	841	1,022	59
161	271	234	115	208	234	100	442	146	381	37	72	60
								21	1	1	1	61
19	20	39	36	34	25	18	19	27	46	58	18	62
72	16	24	8	21	28	17	18	20	17	7	22	63
25	15	27	17	17	17	9	19	18	35	16	13	64
27,408	8,858	8,679	6,682	6,269	5,978	2,670	5,123	6,394	7,420	12,221	4,912	65
11,848	4,125	7,092	4,746	5,631	4,655	2,047	4,547	3,819	5,192	8,973	3,622	66
2,633,455	970,050	2,224,560	1,585,230	1,668,695	1,108,950	594,760	1,089,600	538,794	1,863,810	2,393,050	734,960	67
814	606	1,177	596	770	724	877	1,508	678	1,327	533	504	68
748	515	1,210	595	727	665	786	1,207	636	1,097	513	559	69
736	552	1,185	648	660	711	871	1,061	709	1,082	537	515	70
36.1	26.0	40.0	30.4	29.3	34.6	31.7	61.5	29.5	36.2	36.3	31.2	71
122,810	95,204	180,728	84,274	114,798	115,013	116,497	314,276	92,673	173,523	87,305	79,002	72
109,896	65,893	158,925	63,602	98,909	95,217	99,900	270,631	64,071	135,358	72,443	61,614	73
29,290,502	13,625,016	44,316,195	16,732,270	25,685,985	23,089,402	25,793,051	68,399,895	14,215,761	37,352,720	18,452,622	10,903,834	74
209	160	448	146	195	217	313	182	263	355	247	222	75
72	19	197	140	47	20	163	772	88	76	94	56	76
494	374	480	809	440	461	344	490	320	859	177	187	77
39	53	52	1	70	26	57	64	7	37	15	39	78
741	561	1,028	578	733	631	854	1,237	649	1,224	508	490	79
73	45	149	18	37	93	23	270	25	103	25	14	80
							1	4				81

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

		Lyon.	Madison.	Mahaska.	Marion.	Marshall.	Mills.	Mitchell.	Monona.
ALL FARMS.									
1	Number of farms, 1920.....	1,774	2,125	2,784	2,402	2,315	1,571	1,770	2,166
2	1910.....	1,669	2,369	2,931	2,708	2,432	1,730	1,729	2,229
3	1900.....	1,619	2,600	3,202	2,914	2,400	2,016	1,718	2,491
4	All farmers classified by sex, 1920:								
5	Male.....number.....	1,748	2,081	2,699	2,353	2,288	1,567	1,734	2,118
6	Female.....number.....	26	44	85	49	27	4	36	48
7	Color and nativity of all farmers, 1920:								
8	Native white.....number.....	1,006	2,057	2,412	2,159	2,095	1,467	1,486	1,755
9	Foreign-born white.....number.....	768	68	364	243	218	103	234	411
10	Negro and other nonwhite.....number.....			8	1	2	1		
11	All farms classified by size, 1920:								
12	Under 3 acres.....number.....		1	2	10	8	1	9	2
13	3 to 9 acres.....number.....	9	23	152	70	60	26	80	17
14	10 to 19 acres.....number.....	15	33	124	73	58	45	59	27
15	20 to 49 acres.....number.....	30	168	303	218	179	171	95	90
16	50 to 99 acres.....number.....	128	404	664	547	373	303	247	440
17	100 to 174 acres.....number.....	817	795	960	852	907	491	701	835
18	175 to 259 acres.....number.....	354	390	374	381	477	295	359	418
19	260 to 499 acres.....number.....	406	206	190	223	239	216	204	281
20	500 to 999 acres.....number.....	15	39	15	26	12	23	14	46
21	1,000 acres and over.....number.....		6		2			2	10
LAND AND FARM AREA.									
22	Approximate land area, 1920.....acres.....	372,480	360,320	363,520	360,320	366,080	280,320	290,320	439,040
23	Land in farms, 1920.....acres.....	356,071	342,155	342,155	330,015	354,069	245,301	277,152	383,956
24	1910.....acres.....	352,032	340,641	350,531	343,949	357,969	260,648	287,046	400,349
25	1900.....acres.....	358,801	354,216	358,250	351,163	360,232	272,515	288,600	438,780
26	Improved land in farms, 1920.....acres.....	323,593	262,441	293,850	275,545	320,266	220,223	244,711	319,953
27	1910.....acres.....	323,933	287,917	308,932	290,619	331,162	232,453	261,723	321,065
28	1900.....acres.....	344,041	271,717	307,823	292,500	334,372	241,455	257,107	305,664
29	Woodland in farms, 1920.....acres.....	7,560	30,060	27,098	39,999	15,375	16,899	13,896	29,623
30	Other unimproved land in farms, 1920.....acres.....	24,918	42,944	21,207	20,471	18,428	8,209	18,545	34,480
31	Per cent of land area in farms, 1920.....	95.6	93.1	94.1	93.8	96.7	87.5	93.5	87.5
32	Per cent of farm land improved, 1920.....	90.9	78.2	85.9	82.0	90.5	89.8	88.3	83.3
33	Average acreage per farm, 1920.....	200.7	157.9	122.9	139.9	152.9	156.1	156.6	177.3
34	Average improved acreage per farm, 1920.....	182.4	123.5	105.5	114.7	138.8	140.2	138.3	147.7
VALUE OF FARM PROPERTY.									
35	All farm property, 1920.....dollars.....	119,079,024	75,374,098	98,209,051	73,102,761	109,390,031	69,024,123	59,590,726	79,622,393
36	1910.....dollars.....	39,165,244	30,894,621	44,204,685	36,802,610	51,003,596	33,210,610	27,595,907	35,201,218
37	1900.....dollars.....	15,787,942	17,423,462	21,913,258	17,731,510	22,229,781	16,650,689	16,130,844	17,419,794
38	Land in farms, 1920.....dollars.....	99,450,000	59,963,887	73,804,066	57,946,411	86,305,975	57,085,011	43,110,789	63,526,844
39	1910.....dollars.....	30,904,952	27,821,038	33,163,366	27,063,395	39,090,251	25,729,932	19,495,843	27,036,545
40	1900.....dollars.....	11,560,090	11,373,460	14,835,900	12,043,240	15,403,970	11,492,660	11,323,630	12,084,550
41	Farm buildings, 1920.....dollars.....	10,297,040	7,184,920	10,769,857	6,958,650	12,079,999	5,676,645	8,697,281	7,389,173
42	1910.....dollars.....	3,838,485	3,883,265	5,257,637	3,867,015	5,836,239	3,546,190	4,133,143	3,642,370
43	1900.....dollars.....	1,727,090	2,206,850	3,073,970	2,104,720	2,993,000	2,033,310	2,181,900	1,851,220
44	Implements and machinery, 1920.....dollars.....	3,884,214	2,558,861	3,235,069	2,615,439	3,872,242	1,997,593	2,691,838	2,919,159
45	1910.....dollars.....	985,357	810,548	950,275	781,445	1,262,184	685,898	969,403	921,861
46	1900.....dollars.....	552,320	517,030	633,180	460,680	700,740	441,020	550,550	566,500
47	Live stock on farms, 1920.....dollars.....	6,047,770	5,696,430	8,399,459	5,582,261	7,181,815	4,364,904	5,090,818	5,787,217
48	1910.....dollars.....	3,439,450	4,373,770	4,893,407	4,490,259	4,841,892	3,252,620	2,997,518	3,690,442
49	1900.....dollars.....	1,918,442	3,325,232	3,320,298	3,122,870	3,132,071	2,683,799	2,083,764	2,917,524
50	Average values, 1920:								
51	All property per farm.....dollars.....	67,463	35,470	34,558	30,434	47,253	43,936	33,667	36,760
52	Land and buildings per farm.....dollars.....	61,864	31,699	30,379	27,021	42,499	39,886	29,270	32,741
53	Land alone per acre.....dollars.....	279.30	178.76	215.70	172.45	243.75	232.71	155.55	165.45
FARMS OPERATED BY OWNERS.									
54	Number of farms, 1920.....	658	1,345	1,716	1,466	1,217	817	1,110	1,019
55	1910.....	703	1,509	1,937	1,674	1,313	910	1,183	1,167
56	1900.....	832	1,693	2,028	1,816	1,432	1,148	1,265	1,399
57	Per cent of all farms, 1920.....	37.1	61.6	61.6	52.6	52.6	52.6	62.7	47.0
58	Land in farms, 1920.....acres.....	131,058	212,455	201,229	196,132	171,422	118,982	167,448	164,849
59	Improved land in farms, 1920.....acres.....	118,357	167,482	175,254	160,968	155,928	107,423	148,470	136,491
60	Value of land and buildings, 1920.....dollars.....	40,808,090	42,334,662	50,723,218	37,952,044	48,386,970	30,658,877	31,610,366	32,168,583
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number.....	506	1,050	1,428	1,212	1,001	653	892	839
63	Farmers hiring additional land.....number.....	92	289	288	254	216	164	218	180
64	Color and nativity of owners, 1920:								
65	Native white owners.....number.....	339	1,290	1,482	1,314	1,072	744	904	724
66	Foreign-born white owners.....number.....	319	55	229	182	144	73	206	205
67	Negro and other nonwhite owners.....number.....			5		1			
FARMS OPERATED BY MANAGERS.									
68	Number of farms, 1920.....	4	26	34	29	31	25	30	46
69	1910.....	10	25	24	18	20	30	10	45
70	1900.....	18	22	35	21	20	32	13	26
71	Land in farms, 1920.....acres.....	1,642	7,199	5,956	7,445	6,039	5,251	5,134	13,350
72	Improved land in farms, 1920.....acres.....	1,346	4,521	5,014	5,404	5,569	4,313	4,617	11,471
73	Value of land and buildings, 1920.....dollars.....	472,300	1,306,770	1,390,010	1,333,675	1,997,015	1,425,266	1,000,200	2,855,655
FARMS OPERATED BY TENANTS.									
74	Number of farms, 1920.....	1,112	754	1,034	907	1,067	720	630	1,101
75	1910.....	806	835	1,020	1,016	1,099	784	556	1,017
76	1900.....	769	885	1,139	1,077	948	836	440	1,066
77	Per cent of all farms, 1920.....	62.7	35.5	37.1	37.8	46.1	46.4	35.6	50.8
78	Land in farms, 1920.....acres.....	223,341	115,791	134,070	133,438	176,608	121,088	104,570	205,757
79	Improved land in farms, 1920.....acres.....	208,860	90,438	113,552	109,175	158,769	108,481	91,624	171,991
80	Value of land and buildings, 1920.....dollars.....	68,466,050	23,507,375	32,454,095	25,619,342	48,001,939	30,577,523	19,197,504	35,891,779
81	Form of tenancy, 1920:								
82	Share tenants.....number.....	131	302	351	429	314	379	256	653
83	Share-cash tenants.....number.....	145	110	129	168	198	104	68	130
84	Cash tenants.....number.....	823	342	479	281	550	186	269	312
85	Unspecified.....number.....	13		75	29	5		47	6
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number.....	664	741	899	817	998	701	553	986
88	Foreign-born white tenants.....number.....	448	13	132	90	73	27	72	115
89	Negro and other nonwhite tenants.....number.....			3		1			

¹ The correction of errors discovered after the 1900 census reports were published would make the farm acreage for Madison County, 349,425; for Monona County, 410,082; for Polk County, 381,513; and for Pottawattamie County, 537,061.

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Monroe.	Montgomery.	Muscatine.	O'Brien.	Osceola.	Page.	Palo Alto.	Plymouth.	Pocahontas.	Polk.	Pottawattamie.	Poweshiek.	
1,793	1,650	1,923	1,903	1,265	2,252	1,815	2,699	1,992	2,048	3,781	2,179	1
1,917	1,768	1,820	1,826	1,068	2,341	1,607	2,704	1,932	3,229	3,935	2,253	2
1,987	1,940	1,976	1,845	1,088	2,643	1,661	2,643	2,005	3,171	4,239	2,322	3
1,770	1,623	1,901	1,874	1,245	2,187	1,789	2,654	1,953	2,849	3,700	2,147	4
23	27	22	29	20	65	29	45	39	99	81	32	5
1,559	1,332	1,609	1,365	882	2,031	1,449	2,099	1,558	2,643	3,100	1,931	6
216	317	223	638	383	216	366	600	434	302	680	247	7
18	1	1	1	1	5	1	1	1	3	1	1	8
5	5	15	3	1	2	1	4	9	4	4	5	9
46	67	74	20	14	77	23	34	30	328	157	83	10
63	53	75	22	9	48	21	22	17	246	182	85	11
213	94	168	50	22	172	50	58	37	388	310	120	12
438	305	431	189	81	478	214	249	246	572	601	318	13
548	612	681	894	622	845	770	1,174	947	835	1,828	883	14
282	308	302	403	264	411	404	648	435	352	749	452	15
178	184	157	312	230	199	313	473	252	204	441	257	16
19	19	19	10	13	16	18	34	18	18	28	22	17
1	3	1	1	4	4	1	3	1	1	1	4	18
276,480	271,360	276,480	364,160	252,800	339,840	359,040	547,840	368,640	372,480	602,880	371,200	19
247,685	258,687	263,051	348,783	247,864	328,323	334,409	516,335	348,189	326,840	568,473	357,265	20
297,951	269,408	259,046	345,873	236,406	327,809	324,468	539,583	351,777	330,196	574,538	359,765	21
262,203	272,067	264,121	360,025	246,875	338,132	342,500	541,967	365,465	1,370,252	1,599,930	306,620	22
179,209	240,186	217,406	322,132	230,971	304,508	289,679	471,156	326,339	283,211	527,476	317,999	23
193,890	252,784	212,277	325,974	227,692	310,520	289,037	511,114	305,378	290,533	528,107	337,404	24
181,110	252,009	219,052	343,008	236,099	311,495	326,854	489,765	344,243	320,789	523,790	338,773	25
47,254	10,196	32,213	5,181	2,460	14,606	4,774	4,832	4,435	25,722	25,606	14,199	26
21,222	8,505	13,372	21,470	14,433	9,119	39,956	40,347	17,415	17,907	15,391	25,067	27
89.6	95.4	95.1	95.8	98.0	96.6	93.1	94.2	94.5	87.7	94.3	96.2	28
72.4	92.8	82.7	92.4	93.2	92.7	86.6	91.3	93.7	86.7	92.8	80.0	29
138.1	156.9	136.8	183.8	195.9	145.8	184.2	191.3	174.8	110.9	150.3	164.0	30
99.9	145.6	113.1	169.3	182.6	135.2	159.6	174.6	163.8	96.1	139.5	145.9	31
32,884,859	74,905,829	70,888,020	121,536,105	70,581,460	96,638,463	84,301,252	152,855,850	107,389,013	101,080,785	163,113,909	109,429,034	32
18,379,350	37,738,415	32,537,215	40,380,379	21,335,108	46,988,719	26,564,166	63,194,477	35,246,229	51,341,633	75,102,185	48,771,608	33
11,324,559	17,202,073	16,637,436	19,178,240	10,681,868	21,648,571	13,169,105	26,116,204	16,767,085	25,896,546	35,085,925	22,457,094	34
24,068,164	50,078,076	54,071,098	99,524,008	57,851,255	78,040,684	68,205,316	122,662,672	89,561,125	82,298,780	127,717,014	37,253,291	35
12,829,580	29,356,145	23,949,824	31,170,886	16,468,487	36,697,322	20,234,828	48,914,593	27,363,460	40,045,149	57,384,677	37,031,194	36
7,766,140	12,045,480	11,342,880	13,754,640	8,011,360	14,962,640	9,372,930	19,388,570	11,338,110	18,799,700	24,223,790	14,983,600	37
3,524,595	7,463,900	8,760,123	11,116,102	6,205,680	9,013,348	7,992,840	14,105,107	8,712,409	10,615,052	16,962,476	10,457,850	38
2,303,737	3,923,880	4,307,204	4,621,732	2,262,545	4,858,799	3,010,085	6,828,155	3,796,927	5,948,952	8,414,819	5,205,080	39
1,383,820	1,070,010	2,604,270	2,171,610	1,123,060	2,600,300	1,421,810	2,425,480	2,206,070	3,272,560	4,440,310	2,824,640	40
1,220,283	2,325,623	2,775,594	4,113,721	2,340,830	3,051,045	3,035,724	5,668,976	3,554,144	3,324,246	6,068,022	3,429,529	41
585,319	787,640	836,244	905,270	611,439	900,048	718,359	1,582,238	929,638	1,050,163	1,737,074	1,090,781	42
364,850	470,850	492,710	633,950	400,770	579,330	442,310	877,200	589,880	689,040	1,007,670	682,730	43
3,165,817	5,138,230	5,281,205	6,782,274	4,183,695	6,533,486	5,067,373	10,428,795	5,562,235	5,742,701	12,385,497	8,288,964	44
2,680,714	3,672,150	3,443,853	3,622,491	1,992,687	4,532,550	2,600,894	5,869,491	3,156,204	4,297,369	7,565,615	5,354,553	45
1,839,740	2,799,733	2,197,576	2,618,240	1,066,678	3,446,301	1,932,055	3,425,044	2,633,035	3,135,246	5,414,155	3,966,124	46
18,341	45,397	36,863	63,866	55,796	42,912	46,447	56,634	53,911	34,593	43,140	50,220	47
15,891	40,874	32,674	58,140	50,638	38,656	41,982	50,674	40,334	31,518	38,265	44,842	48
100.81	231.08	205.55	285.35	233.40	237.69	208.96	237.56	257.22	251.80	224.67	244.23	49
1,200	926	1,106	814	461	1,387	817	1,145	994	1,661	2,002	1,261	50
1,371	985	1,080	932	506	1,888	815	1,058	1,058	1,085	1,223	1,396	51
1,416	1,187	1,209	1,099	619	1,730	908	1,500	1,221	1,817	2,348	1,537	52
70.3	56.1	67.5	42.8	36.4	81.6	45.0	42.4	49.9	56.3	52.9	67.9	53
171,087	133,462	147,844	142,729	88,153	194,608	138,155	213,303	165,891	167,186	234,162	199,217	54
126,963	123,774	120,800	131,763	83,757	180,888	121,417	192,570	156,535	145,493	204,249	176,998	55
19,388,710	35,289,551	34,593,376	45,605,509	23,787,249	51,674,913	32,210,025	50,006,009	47,681,722	48,471,283	73,234,017	58,360,063	56
1,023	775	840	669	367	1,114	644	965	769	1,285	1,606	1,065	57
237	151	266	145	94	273	173	180	225	376	396	193	58
1,090	716	948	540	300	1,217	598	815	705	1,451	1,529	1,104	59
155	210	157	274	161	167	219	330	289	210	472	157	60
15	1	1	1	1	3	1	1	1	1	1	1	61
22	18	35	11	15	27	12	14	9	32	47	20	62
19	13	20	10	6	17	16	12	16	26	34	25	63
18	19	10	8	2	13	5	16	17	36	23	23	64
5,058	4,438	7,319	1,823	2,883	5,292	2,111	2,978	3,238	4,658	10,046	4,746	65
3,461	4,004	5,730	1,734	2,578	4,795	1,758	1,893	3,095	4,258	10,398	4,336	66
546,640	994,010	1,776,110	672,300	761,800	2,410,881	533,000	658,600	977,900	2,117,867	2,930,530	1,826,750	67
511	706	782	1,078	789	838	986	1,540	989	1,255	1,732	898	68
527	767	711	884	556	936	776	1,356	858	1,268	1,778	882	69
553	754	757	738	467	900	658	1,127	767	1,318	1,868	762	70
28.5	42.8	40.7	56.6	62.4	37.2	54.3	57.1	49.6	42.6	45.8	41.2	71
70,640	120,987	107,888	204,231	156,828	128,523	194,143	300,054	179,060	154,696	273,365	153,802	72
49,885	112,318	90,936	188,635	144,636	116,125	166,504	276,693	166,709	133,460	252,829	136,605	73
8,557,409	31,167,415	26,461,735	64,362,301	39,507,886	32,968,138	43,455,130	77,103,470	49,613,912	42,324,688	68,515,843	40,024,328	74
174	257	208	137	50	379	273	254	245	427	529	286	75
40	109	95	150	279	136	425	166	510	220	135	158	76
249	326	456	789	460	319	277	1,120	234	505	1,067	436	77
48	14	23	2	2	4	11	1	103	103	1	48	78
449	600	722	815	572	789	839	1,270	845	1,162	1,526	809	79
59	105	60	263	217	47	147	270	144	90	206	88	80
3	1	1	1	1	2	1	1	1	3	1	1	81

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

		Ringgold.	Sac.	Scott.	Shelby.	Sioux.	Story.	Tama.	Taylor.
ALL FARMS.									
1	Number of farms, 1920.....	1,923	1,045	2,316	2,049	2,801	2,215	2,484	2,159
2	1910.....	2,053	2,014	2,405	2,213	2,715	2,385	2,602	2,254
3	1900.....	2,356	1,999	2,347	2,357	2,451	2,430	2,753	2,581
4	All farmers classified by sex, 1920:								
5	Male.....number..	1,888	1,015	2,249	2,021	2,746	2,193	2,448	2,123
6	Female.....number..	35	30	67	28	55	22	36	36
7	Color and nativity of all farmers, 1920:								
8	Native white.....number..	1,858	1,616	1,818	1,465	1,622	1,930	2,019	2,114
9	Foreign-born white.....number..	65	829	493	584	1,179	285	465	43
10	Negro and other nonwhite.....number..								2
11	All farms classified by size, 1920:								
12	Under 3 acres.....number..		4	9	1		2	8	4
13	3 to 9 acres.....number..	23	34	146	23	55	62	27	35
14	10 to 19 acres.....number..	34	22	146	21	55	64	33	37
15	20 to 49 acres.....number..	120	41	274	55	103	134	129	162
16	50 to 99 acres.....number..	380	237	465	274	343	389	343	451
17	100 to 174 acres.....number..	720	819	845	880	1,297	933	1,062	882
18	175 to 259 acres.....number..	361	471	322	504	599	429	533	370
19	260 to 499 acres.....number..	256	301	103	260	334	188	333	194
20	500 to 999 acres.....number..	28	15	4	22	14	12	21	23
21	1,000 acres and over.....number..	1	1	2		1	2		1
LAND AND FARM AREA.									
22	Approximate land area, 1920.....acres..	345,600	367,360	287,360	376,960	486,400	362,880	460,800	341,760
23	Land in farms, 1920.....acres..	315,350	356,528	273,361	355,336	467,473	328,058	424,132	324,279
24	1910.....acres..	325,483	360,529	276,073	370,817	475,438	351,286	440,404	335,507
25	1900.....acres..	340,111	364,232	278,945	371,873	476,021	356,654	439,477	337,002
26	Improved land in farms, 1920.....acres..	284,742	329,046	242,446	333,663	443,980	292,748	370,662	290,193
27	1910.....acres..	292,320	329,001	249,378	351,849	439,396	313,202	399,494	310,833
28	1900.....acres..	295,581	354,151	254,739	350,733	452,031	329,855	392,457	294,010
29	Woodland in farms, 1920.....acres..	20,660	6,603	14,466	8,781	7,893	19,021	24,785	16,075
30	Other unimproved land in farms, 1920.....acres..	9,048	20,879	16,439	12,892	15,600	16,289	28,685	18,013
31	Per cent of land area in farms, 1920.....	91.2	97.1	95.1	94.3	96.1	90.4	92.0	94.9
32	Per cent of farm land improved, 1920.....	90.3	92.3	88.7	93.9	95.0	89.2	87.4	89.5
33	Average acreage per farm, 1920.....	164.0	188.3	118.0	173.4	166.9	148.1	170.7	150.2
34	Average improved acreage per farm, 1920.....	148.1	169.2	104.7	162.8	158.5	132.2	149.2	134.4
VALUE OF FARM PROPERTY.									
35	All farm property, 1920.....dollars..	52,911,658	130,314,216	78,150,767	122,754,977	175,566,514	111,074,552	119,454,123	73,249,177
36	1910.....dollars..	26,512,440	49,209,738	40,992,072	53,901,130	64,919,583	47,452,180	60,511,647	34,428,387
37	1900.....dollars..	15,196,314	20,805,095	22,201,755	20,521,027	25,086,268	21,925,924	26,424,631	17,144,001
38	Land in farms, 1920.....dollars..	40,766,542	108,236,700	55,618,151	99,356,821	144,832,354	91,733,361	94,169,393	59,052,807
39	1910.....dollars..	19,109,047	38,648,291	29,192,269	41,740,787	51,196,247	36,763,601	46,686,156	25,664,744
40	1900.....dollars..	9,877,970	13,892,800	14,987,980	13,813,700	18,558,110	15,780,830	18,434,730	11,381,040
41	Farm buildings, 1920.....dollars..	5,788,040	10,921,705	12,878,932	11,565,160	14,947,215	9,805,080	12,784,634	7,022,050
42	1910.....dollars..	3,205,021	5,118,220	6,944,800	5,532,376	6,334,895	5,202,876	6,507,070	3,975,143
43	1900.....dollars..	1,688,320	2,590,690	3,973,940	2,418,980	2,675,470	2,627,360	3,281,610	2,070,700
44	Implements and machinery, 1920.....dollars..	1,804,843	3,810,798	3,775,652	3,078,153	5,679,928	3,067,404	4,174,693	2,137,856
45	1910.....dollars..	638,905	1,173,758	1,172,238	1,255,165	1,016,347	1,158,076	1,428,308	729,358
46	1900.....dollars..	414,870	633,120	750,200	601,610	767,980	658,280	805,070	448,500
47	Live stock on farms, 1920.....dollars..	4,562,233	7,339,013	5,884,032	7,854,843	10,107,017	6,468,017	8,325,403	5,036,374
48	1910.....dollars..	3,558,467	4,269,480	3,682,675	5,372,850	5,772,094	4,327,627	5,890,112	4,059,142
49	1900.....dollars..	3,215,154	3,189,585	2,489,635	3,620,677	3,094,608	2,859,454	3,902,321	3,244,361
50	Average values, 1920:								
51	All property per farm.....dollars..	27,515	67,000	33,746	59,910	62,680	50,147	48,089	33,927
52	Land and buildings per farm.....dollars..	24,209	61,264	29,576	54,135	57,044	45,811	43,057	30,604
53	Land alone per acre.....dollars..	129.27	303.59	208.47	279.61	309.82	279.63	222.03	182.11
FARMS OPERATED BY OWNERS.									
54	Number of farms, 1920.....	1,284	889	1,268	1,128	1,173	1,091	1,398	1,347
55	1910.....	1,411	1,789	1,859	1,295	1,287	1,286	1,588	1,462
56	1900.....	1,647	1,192	1,278	1,440	1,305	1,463	1,722	1,629
57	Per cent of all farms, 1920.....	66.8	46.7	54.3	55.0	41.9	49.3	56.3	62.4
58	Land in farms, 1920.....acres..	210,100	155,496	182,591	191,852	190,094	149,803	227,956	201,211
59	Improved land in farms, 1920.....acres..	188,731	144,231	115,922	181,057	181,891	132,323	198,250	178,848
60	Value of land and buildings, 1920.....dollars..	31,850,399	52,245,000	33,233,704	60,417,079	67,039,939	40,348,267	56,469,718	42,628,718
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number..	1,006	728	1,133	971	981	893	1,155	1,054
63	Farmers hiring additional land.....number..	278	161	125	155	192	198	243	293
64	Color and nativity of owners, 1920:								
65	Native white owners.....number..	1,225	683	953	745	645	908	1,097	1,305
66	Foreign-born white owners.....number..	59	206	305	381	528	183	301	40
67	Negro and other nonwhite owners.....number..								2
FARMS OPERATED BY MANAGERS.									
68	Number of farms, 1920.....	25	27	22	13	14	24	18	39
69	1910.....	23	21	13	19	18	31	16	20
70	1900.....	32	22	15	9	7	15	19	11
71	Land in farms, 1920.....acres..	5,415	4,987	2,605	2,605	2,561	4,300	2,799	8,934
72	Improved land in farms, 1920.....acres..	4,822	3,987	2,077	2,288	2,429	3,316	2,299	8,450
73	Value of land and buildings, 1920.....dollars..	808,000	1,684,260	1,373,101	821,400	725,100	1,403,930	707,860	2,277,200
FARMS OPERATED BY TENANTS.									
74	Number of farms, 1920.....	614	1,029	1,030	910	1,614	1,100	1,068	773
75	1910.....	619	915	1,003	899	1,435	1,068	998	772
76	1900.....	677	785	1,034	933	1,139	908	1,012	941
77	Per cent of all farms, 1920.....	31.0	52.9	44.7	44.4	57.6	49.7	43.0	35.8
78	Land in farms, 1920.....acres..	90,835	100,045	138,455	160,789	274,818	173,895	193,377	114,134
79	Improved land in farms, 1920.....acres..	91,189	100,828	124,447	150,323	259,060	157,104	170,113	102,838
80	Value of land and buildings, 1920.....dollars..	14,806,483	65,528,515	33,890,278	49,682,802	92,014,530	53,736,244	49,776,449	21,169,029
81	Form of tenancy, 1920:								
82	Share tenants.....number..	262	273	78	199	187	238	234	273
83	Share-cash tenants.....number..	104	177	23	91	123	360	142	98
84	Cash tenants.....number..	244	579	808	604	1,304	374	678	346
85	Unspecified.....number..	4		37	18		28	14	56
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number..	608	912	846	710	967	1,003	905	770
88	Foreign-born white tenants.....number..	6	117	190	200	647	97	163	3
89	Negro and other nonwhite tenants.....number..								

89

Union.	Van Buren.	Wapello.	Warren.	Washington.	Wayne.	Webster.	Winnebago.	Winneshiek.	Woodbury.	Worth.	Wright.	
1,631	2,013	2,112	2,402	2,307	1,890	2,566	1,543	2,915	2,969	1,461	1,927	1
1,610	2,126	2,255	2,608	2,454	1,969	2,478	1,425	2,887	2,976	1,391	1,855	2
1,823	2,242	2,311	2,926	2,511	2,285	2,564	1,612	2,960	3,231	1,486	1,878	3
1,604	1,981	2,047	2,357	2,257	1,848	2,513	1,507	2,819	2,928	1,427	1,899	4
27	32	65	45	50	42	53	30	06	41	84	28	5
1,540	1,972	1,951	2,328	2,163	1,861	2,015	1,045	2,400	2,434	1,098	1,475	6
90	40	158	74	144	28	551	498	515	534	362	452	7
1	1	3			1				1	1		8
3	9	9	4	3	2	4	3	6	9	2	11	9
46	77	128	76	68	43	50	42	63	73	18	41	10
49	59	98	78	57	38	53	53	78	72	34	37	11
97	159	265	233	169	115	93	54	196	162	66	72	12
290	445	475	551	456	287	383	232	501	507	193	191	13
627	683	687	841	891	699	1,126	725	1,199	1,170	633	827	14
310	340	309	402	458	424	528	261	612	560	318	420	15
182	219	128	188	188	246	307	167	247	382	190	303	16
27	21	12	26	19	35	20	6	12	31	6	17	17
-----	1	1	3	1	1	2	-----	1	3	1	12	18
278,280	305,280	273,920	364,800	357,700	335,300	456,960	255,360	439,040	552,960	255,360	398,000	19
259,061	291,384	254,806	337,533	336,801	318,271	424,727	243,076	428,386	492,820	242,561	344,516	20
252,807	300,515	259,820	342,113	338,975	323,921	423,902	237,660	425,917	524,138	247,082	355,341	21
208,513	300,111	202,459	351,788	344,695	332,762	428,975	239,055	423,227	522,737	249,081	360,371	22
222,420	209,197	203,280	284,107	276,960	291,474	376,031	212,581	329,113	460,451	201,195	309,640	23
220,455	223,022	215,017	301,010	290,298	294,052	365,085	205,072	334,716	467,796	210,623	304,991	24
212,705	210,723	208,849	287,010	293,219	298,910	300,588	207,969	338,368	443,081	233,292	330,951	25
16,932	55,529	30,328	30,724	33,171	21,083	25,512	6,559	55,721	16,973	8,139	7,377	26
19,712	26,658	21,258	22,702	26,670	5,714	23,184	23,933	43,552	15,396	33,227	27,490	27
94.8	95.4	93.0	92.5	94.1	94.9	92.9	95.2	97.6	89.1	95.0	93.6	28
85.9	71.8	79.8	84.2	82.2	91.6	88.5	87.5	70.8	93.4	82.9	89.9	29
158.8	144.8	120.7	140.5	146.0	168.4	165.5	157.5	147.0	166.0	166.0	178.8	30
136.4	103.9	96.3	118.3	120.1	154.2	146.5	137.8	112.9	155.1	137.7	160.7	31
49,739,070	45,008,303	54,581,142	71,456,090	98,101,823	57,784,001	126,655,877	52,410,268	75,479,305	129,633,857			

AGRICULTURE—IOWA.

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

		THE STATE.	Adair.	Adams.	Allamakee.	Appanoose.	Andubon.	Benton.	Black-hawk.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals.....number..	208,534	2,073	1,594	2,136	2,223	1,771	2,512	2,248
2	Value of all domestic animals.....dollars..	585,489,568	5,891,629	4,413,258	5,185,185	3,653,022	5,398,936	7,861,746	6,668,108
Horses:									
3	Total number.....	1,386,522	14,986	10,776	12,052	10,695	12,731	18,799	14,478
4	Colts under 1 year of age.....	79,547	889	579	955	706	640	1,004	927
5	Colts 1 year old and under 2 years.....	108,170	1,273	999	1,024	899	1,076	1,443	1,072
6	Mares 2 years old and over.....	688,821	7,611	5,753	5,901	5,752	5,967	9,481	7,449
7	Geldings 2 years old and over.....	498,975	5,165	3,485	4,096	3,284	4,995	6,781	4,977
8	Stallions 2 years old and over.....	5,993	67	50	78	44	53	80	53
9	Total value.....dollars..	127,297,231	1,284,785	942,100	1,028,690	863,693	1,236,603	1,628,825	1,281,318
Mules:									
10	Total number.....	81,520	1,129	1,212	111	1,219	607	706	729
11	Mule colts under 1 year of age.....	16,819	240	263	12	375	91	138	32
12	Mule colts 1 year old and under 2 years.....	13,406	163	187	16	262	70	107	50
13	Mules 2 years old and over.....	51,295	721	762	83	582	446	461	207
14	Total value.....dollars..	10,041,522	147,930	157,904	12,206	126,907	77,164	74,151	39,153
Asses and burros:									
15	Total number.....	1,141	15	11	2	28	5	9	4
16	Total value.....dollars..	265,635	3,735	3,375	20	7,650	1,890	2,880	1,770
Cattle:									
17	Total number.....	4,557,703	45,299	32,820	61,638	31,285	42,526	67,148	53,609
18	Total value.....dollars..	258,677,963	2,316,924	1,891,292	3,007,875	1,737,433	2,372,518	3,628,536	3,331,897
Beef cattle—									
19	Total number.....	3,038,198	35,585	27,008	35,297	24,524	34,611	54,292	28,828
20	Calves under 1 year of age.....	844,056	8,689	7,102	12,754	6,816	10,784	15,528	7,098
21	Heifers 1 year old and under 2 years.....	338,641	4,841	3,021	4,403	2,439	4,739	5,939	2,909
22	Cows and heifers 2 years old and over.....	848,914	12,342	8,805	7,077	7,884	11,812	16,059	8,572
23	Steers 1 year old and under 2 years.....	519,596	5,659	4,073	6,998	3,217	4,567	8,366	5,528
24	Steers 2 years old and over.....	421,028	3,123	3,345	3,230	3,732	1,671	7,271	3,955
25	Bulls 1 year old and over.....	65,363	931	662	835	436	1,038	1,129	646
26	Total value.....dollars..	172,873,106	1,830,440	1,530,590	1,537,268	1,347,782	1,906,907	2,816,183	1,733,505
Dairy cattle—									
27	Total number.....	1,519,510	9,714	5,812	20,341	6,761	7,915	12,856	24,681
28	Calves under 1 year of age.....	385,628	2,629	1,212	5,321	1,246	1,674	2,061	6,283
29	Heifers 1 year old and under 2 years.....	196,707	1,270	634	3,660	725	765	1,494	3,375
30	Cows and heifers 2 years old and over.....	897,668	5,548	3,847	16,958	4,680	5,291	9,034	13,600
31	Bulls 1 year old and over.....	39,507	267	119	402	110	195	267	854
32	Total value.....dollars..	88,304,357	480,475	360,702	1,470,607	389,671	465,611	812,353	1,508,392
Sheep:									
33	Total number.....	1,002,095	22,163	24,298	8,721	29,775	5,400	10,672	4,165
34	Lambs under 1 year of age.....	359,754	6,265	4,781	1,828	7,295	3,017	3,910	1,260
35	Ewes 1 year old and over.....	601,288	15,340	18,837	6,689	21,808	2,341	6,409	2,663
36	Rams 1 year old and over.....	26,121	349	603	249	539	50	259	174
37	Wethers 1 year old and over.....	14,032	179	117	5	333	1	94	8
38	Total value.....dollars..	12,883,507	280,054	272,396	114,129	304,632	66,923	136,635	68,205
Goats:									
39	Total number.....	10,526	79	181	126	69	61	41	4
40	Total value.....dollars..	59,594	753	3,111	798	547	427	251	20
Swine:									
41	Total number.....	7,864,304	90,384	59,664	49,680	36,627	78,070	110,230	87,958
42	Pigs under 6 months old.....	2,116,191	26,007	22,801	12,506	18,911	10,805	23,659	23,781
43	Sows and gilts for breeding, 6 months old and over.....	1,987,351	20,735	12,839	15,702	6,555	20,627	27,750	20,837
44	Boars for breeding, 6 months old and over.....	124,981	1,302	775	1,051	505	1,219	1,783	1,407
45	All other hogs, 6 months old and over.....	3,686,781	42,340	23,749	20,301	11,605	39,919	57,683	41,983
46	Total value.....dollars..	176,264,026	1,878,118	1,143,080	1,023,467	612,160	1,648,384	2,393,408	1,945,745
POULTRY AND BEES: 1920.									
47	Chickens.....number..	27,746,510	232,289	216,692	228,824	245,610	235,330	319,610	320,671
48	Other poultry.....number..	606,005	4,699	2,873	6,898	5,470	5,329	7,834	9,473
49	Value of all poultry.....dollars..	27,779,633	272,393	218,151	220,707	261,278	228,469	322,977	335,437
50	Bees.....number of hives..	138,319	193	1,005	2,505	1,286	297	1,318	1,033
51	Total value.....dollars..	657,067	743	3,542	15,173	6,996	1,783	5,927	4,225
LIVE-STOCK PRODUCTS: 1919.									
Dairy products:									
52	Milk produced (as reported).....gallons..	326,983,002	2,327,303	1,805,124	6,438,393	2,147,329	2,407,336	3,753,680	4,763,999
53	Milk sold.....gallons..	31,355,659	38,725	57,693	603,814	156,308	39,101	126,118	1,340,176
54	Cream sold.....gallons..	6,784,753	55,830	28,662	28,691	49,804	36,398	116,056	82,913
55	Butter fat sold.....pounds..	45,411,147	225,242	104,637	1,530,872	98,668	341,903	421,475	823,438
56	Butter made on farms.....pounds..	26,422,676	171,361	162,298	263,161	330,094	197,866	361,820	98,111
57	Butter sold.....pounds..	6,463,840	21,034	17,787	11,601	153,026	17,428	72,074	38,315
58	Cheese made on farms.....pounds..	53,273	.....	485	11,220	760	660	575	485
59	Value of dairy products.....dollars..	55,408,744	280,315	232,827	1,220,177	318,787	337,560	650,060	1,028,026
60	Receipts from sale of dairy products.....dollars..	45,382,250	203,459	160,333	1,072,448	234,121	247,238	441,290	995,550
61	Average production of milk per dairy cow.....gallons..	816	277	353	366	286	321	305	304
Eggs and chickens:									
62	Eggs produced (as reported).....dozens..	117,908,389	1,236,947	996,740	969,095	1,203,976	1,042,404	1,284,955	1,380,093
63	Eggs sold.....dozens..	81,215,875	844,108	674,070	691,400	870,996	630,162	882,863	902,479
64	Chickens raised (as reported).....number..	29,036,630	280,845	237,859	214,349	279,980	259,367	327,904	343,204
65	Chickens sold.....number..	12,399,082	119,420	99,347	90,631	113,704	106,810	152,311	145,371
66	Value of chickens and eggs produced.....dollars..	67,790,857	667,706	550,142	575,148	656,575	590,490	764,522	816,069
67	Receipts from sale of chickens and eggs.....dollars..	39,874,081	392,073	318,018	352,605	397,784	316,001	453,576	494,948
Honey and wax:									
68	Honey produced.....pounds..	2,849,025	1,472	9,195	73,617	19,912	4,538	35,276	21,632
69	Wax produced.....pounds..	83,041	8	75	603	79	25	375	234
70	Value of honey and wax.....dollars..	863,250	445	2,785	22,310	6,001	1,369	10,711	6,602
Wool:									
71	Sheep shorn.....number..	726,707	11,046	16,015	7,276	25,781	1,384	7,091	2,614
72	Wool produced (as reported).....pounds..	5,632,075	90,427	125,205	57,970	181,849	12,773	59,788	22,153
73	Value.....dollars..	3,089,548	46,384	70,525	32,481	108,895	6,840	29,751	11,330

* 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.....	44,745	270	156	397	51	150	502	679
2	Horses, total number.....	54,411	264	216	597	32	213	658	1,179
3	Mules, total number.....	2,987	32	9	15	3	28	13	25
4	Asses and burros, total number.....	123	.....	5	.....	.....	.....	1	2
5	Cattle, total number.....	42,545	300	182	535	54	184	394	391
6	Dairy cows.....	28,354	176	136	235	35	136	287	260
7	Sheep, total number.....	2,706	.....	.....	.....	.....	.....	.....	.....
8	Goats, total number.....	529	19	.....	.....	.....	.....	20	19
9	Swine, total number.....	81,310	552	266	335	87	189	877	627

1920; AND LIVE-STOCK PRODUCTS, 1919.

Boone.	Bremer.	Buchanan.	Buena Vista.	Butler.	Calhoun.	Carroll.	Cass.	Cedar.	Cerro Gordo.	Cherokee.	Chickasaw.	
2,497 5,442,123	1,972 4,665,909	2,188 5,537,357	1,994 6,773,302	2,211 5,157,945	2,083 5,469,712	2,063 6,151,440	2,122 6,767,427	2,167 8,511,311	1,917 5,518,597	1,810 7,815,842	1,967 4,426,560	1
15,121 783 1,204 7,832 5,216 86 1,004,899	11,780 715 817 6,016 4,192 40 959,813	13,439 731 985 6,952 4,724 47 1,083,084	15,246 912 1,183 6,912 6,197 42 1,568,682	15,442 1,008 1,168 7,528 5,085 53 1,242,792	15,694 960 1,216 7,693 5,753 72 1,771,987	14,604 810 1,129 7,031 5,574 60 1,412,649	14,720 703 1,228 7,007 5,692 90 1,409,030	14,557 775 1,063 7,216 5,454 89 1,487,989	13,801 836 969 7,131 4,753 82 1,130,884	14,754 816 1,075 6,899 5,872 92 1,499,862	12,963 901 4 6,492 4,271 60 975,223	3
918 145 168 605 120,336	145 56 20 69 12,355	537 149 128 260 49,274	633 57 88 488 87,596	223 33 26 164 23,115	772 191 99 482 111,490	708 78 102 528 85,936	1,705 281 237 1,187 249,500	1,030 200 132 698 124,185	230 59 39 132 27,340	546 69 90 387 72,056	527 12 11 9 7,756	10
23 5,890	1 800	10 1,827	1 500	7 1,690	9 4,500	7 1,850	6 2,800	20 2,225	3 1,400	1 200	5 440	15
37,958 2,140,277	45,964 2,466,557	49,672 2,077,680	47,538 2,541,814	53,781 2,485,026	30,242 1,885,533	50,423 2,582,601	43,133 2,838,924	59,619 3,945,397	51,200 2,822,046	54,684 3,473,780	50,983 2,307,203	17
22,488 6,210 2,522 5,791 4,344 3,131 490 1,247,099	9,646 1,438 875 3,195 2,194 1,743 201 563,487	24,636 6,011 2,464 5,406 5,373 4,902 480 1,375,127	32,725 8,988 4,336 8,941 5,282 4,306 806 1,723,074	26,105 8,001 3,198 6,193 5,282 2,816 615 1,201,493	12,586 3,364 1,410 2,653 2,582 2,098 479 824,732	39,368 11,253 4,805 13,013 5,874 3,341 1,082 2,016,079	37,114 11,000 5,028 12,183 5,093 2,658 1,152 2,408,565	46,503 13,296 4,497 13,158 5,432 6,013 1,107 3,086,956	30,142 8,406 3,837 7,522 5,411 4,815 651 1,587,495	45,103 12,452 4,659 10,163 8,491 8,446 892 2,801,938	18,807 5,359 1,594 3,179 5,191 2,715 469 759,021	19
15,470 3,916 1,955 0,165 444 893,178	36,318 7,738 6,488 21,821 1,271 1,003,070	25,036 6,881 3,680 13,748 727 1,302,553	14,813 3,973 2,439 7,919 482 818,740	27,676 8,036 3,871 15,023 749 1,283,533	17,656 4,819 2,615 9,525 697 1,080,551	11,055 2,990 1,367 6,453 236 568,522	6,019 902 538 4,437 142 430,369	13,116 3,263 1,350 8,200 303 858,441	21,058 5,762 2,587 12,139 670 1,234,551	9,581 7,891 762 6,991 192 671,842	32,181 8,466 4,966 18,479 845 1,547,282	27
4,535 1,863 2,152 89 431 53,787	3,091 811 2,132 124 24 37,772	7,835 1,928 5,337 478 92 90,723	7,030 3,551 3,307 114 68 85,641	5,881 1,325 4,201 276 79 77,160	4,082 1,374 2,103 76 29 55,835	5,457 1,234 4,053 128 42 65,286	18,107 5,124 12,449 492 42 234,553	14,229 5,125 8,416 378 810 183,311	4,440 1,100 3,087 122 131 64,129	6,986 5,103 1,742 107 34 86,675	4,420 1,196 2,992 231 10 50,683	33
29 257	38 199	10 78	101 741	15 117	23 106	157 735	346 2,042	3 27	3 14	163 667	39 40	
67,998 16,945 13,891 664 30,198 1,616,677	63,284 18,430 15,125 1,183 28,510 1,188,612	80,055 31,307 18,345 1,452 28,951 1,028,570	103,995 17,531 27,226 1,780 57,458 2,500,991	66,687 10,519 18,234 1,260 27,674 1,327,421	61,246 15,595 17,271 1,316 27,064 1,640,200	89,188 12,585 26,218 1,687 48,703 2,003,012	90,463 25,454 32,898 1,291 41,620 2,032,385	117,373 34,583 32,898 1,773 48,149 2,788,162	64,216 16,131 17,677 1,195 29,313 1,472,771	113,940 18,675 30,034 1,577 65,654 2,683,255	54,623 18,334 14,100 1,088 21,101 1,084,588	41
343,155 7,050 346,315 1,785 0,368	305,739 8,032 307,000 1,732 7,178	322,532 10,580 340,495 881 3,441	260,097 5,638 263,459 787 4,479	342,943 7,957 340,061 1,964 7,882	283,984 5,943 288,436 920 3,879	321,633 5,648 289,696 978 2,756	265,875 4,463 267,052 283 1,743	296,771 7,563 311,042 1,646 6,612	243,623 8,031 257,735 1,210 7,408	227,572 4,314 210,938 974 5,387	248,211 5,367 267,033 1,794 7,001	47
2,994,895 314,944 51,892 170,329 399,876 161,158 285 453,059 329,136 265	7,698,699 4,687,764 58,501 824,432 8,715 4,438 126 1,620,683 1,617,833 367	4,201,072 585,357 76,561 760,494 99,634 10,027 1,300 687,564 637,250 289	2,879,979 117,451 70,282 287,173 241,898 46,022 100 419,511 309,611 289	4,528,978 653,907 192,251 625,067 131,916 10,710 35 798,494 740,331 232	2,173,502 83,857 192,251 267,557 246,429 53,747 15 341,770 243,290 233	2,710,870 101,022 62,685 303,621 301,313 44,169 115 404,454 304,165 246	2,547,144 111,384 70,992 185,118 301,313 57,113 115 380,048 243,379 321	3,509,886 58,191 105,676 508,794 297,433 45,634 870 538,358 418,746 397	4,523,914 948,143 134,396 636,404 170,808 61,281 870 910,942 850,143 316	2,325,050 57,040 12,751 304,179 344,358 80,397 410,525 249,797 382	4,254,503 166,459 37,182 1,451,336 44,421 6,733 994,648 971,266 270	52
1,445,482 1,000,133 358,360 130,224 806,701 453,347	1,284,765 1,025,399 296,692 128,742 736,452 489,995	1,481,945 1,080,255 383,692 162,895 849,628 506,695	962,286 633,196 271,630 123,203 590,890 338,710	1,434,858 1,111,093 363,875 155,872 865,062 553,201	1,012,401 713,920 248,234 118,084 620,389 383,543	1,220,652 823,205 303,603 134,283 679,157 383,293	1,106,714 706,130 305,448 150,847 683,085 376,136	1,208,064 803,387 285,221 180,847 648,364 422,017	1,011,879 658,496 269,027 30,401 530,235 378,337	909,524 525,521 244,345 90,401 530,235 262,259	1,014,000 808,525 273,820 128,048 618,888 414,421	62
28,989 158 8,761	20,660 105 8,936	10,830 46 3,265	11,385 30 3,426	27,820 206 8,416	6,047 15 1,819	12,998 131 3,944	6,027 66 1,830	28,549 36 8,577	27,135 109 8,178	18,613 694 5,820	27,533 383 8,380	68
2,368 18,948 9,200	1,987 15,613 7,800	5,047 42,424 21,924	3,895 29,320 16,116	5,024 39,094 21,154	1,624 12,405 6,215	2,977 24,118 11,277	12,638 105,995 55,734	8,402 66,911 34,163	3,973 30,198 16,320	1,541 12,218 6,301	3,283 26,685 13,232	71
												72

NOT ON FARMS OR RANGES: 1920.

439	392	494	300	398	411	261	401	301	546	247	312	1
522	576	616	540	561	469	297	376	334	917	300	551	2
16	5	9	42	10	9	17	12	4	33	18	2	3
2	2	2	-----	-----	1	3	8	2	-----	-----	2	4
363	233	363	445	357	356	275	312	242	398	245	458	5
276	147	200	225	215	287	223	262	200	303	159	310	6
57	74	9	14	27	22	2	9	4	7	7	11	7
441	740	340	1,180	878	920	279	512	301	541	600	469	9

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

	Clarke.	Clay.	Clayton.	Clinton.	Crawford.	Dallas.	Davis.	Decatur.
DOMESTIC ANIMALS: 1920.								
1 Farms reporting domestic animals.....number..	1,449	1,740	3,039	2,661	2,395	2,255	2,053	1,970
2 Value of all domestic animals.....dollars..	3,331,519	6,311,828	8,139,845	8,716,682	9,362,050	6,377,457	4,164,758	3,837,907
Horses:								
3 Total number.....	9,210	13,624	17,792	17,357	17,568	14,561	10,883	11,789
4 Colts under 1 year of age.....	526	793	1,352	901	903	614	768	657
5 Colts 1 year old and under 2 years.....	792	1,042	1,589	1,122	1,288	1,045	1,000	1,083
6 Mares 2 years old and over.....	4,808	6,673	8,627	8,684	7,920	7,489	5,803	6,217
7 Geldings 2 years old and over.....	2,987	5,051	5,864	6,602	7,408	5,320	3,230	3,782
8 Stallions 2 years old and over.....	37	65	60	48	40	93	62	50
9 Total value.....dollars..	791,978	1,317,606	1,965,793	1,585,542	1,725,074	1,352,908	953,776	938,283
Mules:								
10 Total number.....	878	397	195	372	1,092	1,494	867	1,350
11 Mule colts under 1 year of age.....	251	92	42	72	104	301	278	367
12 Mule colts 1 year old and under 2 years.....	191	29	36	67	147	260	175	285
13 Mules 2 years old and over.....	436	276	117	233	841	933	414	698
14 Total value.....dollars..	88,045	47,625	21,147	39,240	140,228	189,189	93,072	135,915
Asses and burros:								
15 Total number.....	15	8	3	3	5	17	21	16
16 Total value.....dollars..	3,685	2,900	220	500	1,055	3,700	3,978	3,265
Cattle:								
17 Total number.....	27,996	50,960	72,886	72,067	71,497	42,335	32,429	30,404
18 Total value.....dollars..	1,518,964	2,822,002	3,868,703	4,489,916	4,111,924	2,845,908	1,704,232	1,803,601
Beef cattle—								
19 Total number.....	24,200	40,081	24,010	54,716	57,825	30,837	20,516	23,799
20 Calves under 1 year of age.....	6,959	11,593	6,295	13,727	18,056	7,135	6,428	6,124
21 Heifers 1 year old and under 2 years.....	2,932	4,777	2,424	5,770	6,444	2,972	2,169	1,690
22 Cows and heifers 2 years old and over.....	7,449	10,519	6,595	12,613	15,147	7,225	6,140	8,341
23 Steers 1 year old and under 2 years.....	3,171	6,659	5,593	9,721	9,895	5,825	3,388	3,513
24 Steers 2 years old and over.....	3,232	5,782	2,537	11,922	6,128	7,084	1,973	3,346
25 Bulls 1 year old and over.....	477	801	593	963	1,255	506	418	476
26 Total value.....dollars..	1,282,130	2,211,434	1,232,233	3,464,130	3,230,626	2,077,716	1,098,360	1,398,288
Dairy cattle—								
27 Total number.....	3,796	10,879	48,876	17,351	13,672	11,498	11,913	6,605
28 Calves under 1 year of age.....	502	2,515	13,052	3,844	2,770	2,649	4,967	1,272
29 Heifers 1 year old and under 2 years.....	445	1,100	7,403	2,090	1,200	1,363	899	749
30 Cows and heifers 2 years old and over.....	2,725	6,940	27,045	10,984	9,393	7,229	5,884	4,368
31 Bulls 1 year old and over.....	64	264	1,373	433	309	257	103	116
32 Total value.....dollars..	236,834	610,508	2,636,470	1,035,736	881,298	767,688	605,872	405,613
Sheep:								
33 Total number.....	12,802	7,950	8,406	7,593	7,783	17,152	74,385	14,731
34 Lambs under 1 year of age.....	2,842	4,263	2,355	3,466	4,466	8,766	24,141	3,480
35 Ewes 1 year old and over.....	9,960	3,687	5,719	3,525	3,190	7,928	48,018	10,596
36 Rams 1 year old and over.....	254	126	279	231	93	387	1,397	317
37 Wethers 1 year old and over.....	16	267	63	371	28	71	829	38
38 Total value.....dollars..	147,341	101,839	109,634	70,363	87,689	171,182	744,908	178,720
Goats:								
39 Total number.....	11	16	211	22	81	190	180	12
40 Total value.....dollars..	123	80	1,353	76	361	1,253	508	46
Swine:								
41 Total number.....	42,592	81,673	89,422	105,624	141,452	88,130	39,799	42,793
42 Pigs under 6 months old.....	15,949	16,365	18,045	17,967	24,229	19,887	20,353	20,757
43 Sows and gilts for breeding, 6 months old and over.....	9,038	20,193	29,621	34,104	40,659	18,624	6,191	8,414
44 Boars for breeding, 6 months old and over.....	499	1,214	1,944	1,847	1,992	1,099	605	820
45 All other hogs, 6 months old and over.....	17,106	43,901	39,212	51,706	74,572	46,620	12,645	12,892
46 Total value.....dollars..	781,382	2,019,776	2,172,995	2,642,045	3,295,719	1,813,821	663,624	777,777
POULTRY AND BEES: 1920.								
47 Chickens.....number..	194,082	218,847	401,373	346,421	328,005	308,283	286,762	260,495
48 Other poultry.....number..	2,963	5,732	8,093	13,018	9,237	7,125	10,295	6,608
49 Value of all poultry.....dollars..	191,012	216,010	389,070	344,752	323,076	307,522	308,446	278,945
50 Bees.....number of hives..	544	992	4,117	2,000	1,007	1,137	1,406	1,795
51 Total value.....dollars..	2,480	5,512	17,032	13,530	6,834	5,447	6,201	6,627
LIVE-STOCK PRODUCTS: 1919.								
Dairy products:								
52 Milk produced (as reported).....gallons..	1,128,210	2,608,759	9,439,712	4,890,065	3,775,087	3,062,124	2,345,061	1,935,624
53 Milk sold.....gallons..	27,216	82,275	340,916	444,580	184,754	661,728	17,754	68,147
54 Cream sold.....gallons..	26,411	68,165	105,940	89,713	100,208	58,426	42,028	51,483
55 Butter fat sold.....pounds..	65,949	347,167	2,693,740	891,538	357,624	167,990	247,210	72,206
56 Butter made on farms.....pounds..	175,580	198,209	202,228	449,333	621,670	274,585	237,409	252,407
57 Butter sold.....pounds..	39,690	58,598	17,139	107,953	92,839	77,556	46,073	44,873
58 Cheese made on farms.....pounds..	200	25	1,614	876	355	438	231	35
59 Value of dairy products ¹.....dollars..	194,704	372,006	1,846,565	823,309	598,303	407,440	322,095	255,921
60 Receipts from sale of dairy products.....dollars..	108,990	302,682	1,740,494	692,452	388,463	302,889	218,003	145,919
61 Average production of milk per dairy cow.....gallons..	253	323	353	307	294	336	327	312
Eggs and chickens:								
62 Eggs produced (as reported).....dozens..	942,917	787,648	1,817,408	1,389,498	1,272,404	1,389,415	1,407,207	1,404,013
63 Eggs sold.....dozens..	650,914	522,375	1,349,274	855,327	885,945	865,890	1,050,386	994,700
64 Chickens raised (as reported).....number..	196,821	249,265	423,716	337,832	359,897	332,912	360,377	276,308
65 Chickens sold.....number..	85,553	93,573	189,650	165,240	122,914	133,016	151,022	129,505
66 Value of chickens and eggs produced.....dollars..	511,096	490,443	1,076,197	794,563	710,232	782,587	811,270	712,226
67 Receipts from sale of chickens and eggs.....dollars..	305,337	264,600	682,021	452,817	381,933	421,810	495,935	441,441
Honey and wax:								
68 Honey produced.....pounds..	6,881	17,289	120,344	98,615	25,324	22,452	14,751	20,452
69 Wax produced.....pounds..	16	101	4,107	595	47	252	101	133
70 Value of honey and wax.....dollars..	2,069	5,221	37,499	29,787	7,613	6,822	4,459	6,160
Wool:								
71 Sheep shorn.....number..	10,170	3,588	7,207	3,397	3,219	9,285	61,616	11,828
72 Wool produced (as reported).....pounds..	76,027	28,189	61,363	28,415	27,117	64,757	490,316	88,454
73 Value.....dollars..	43,845	15,556	34,281	14,453	14,276	32,797	297,903	47,557

¹ Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

	Clarke.	Clay.	Clayton.	Clinton.	Crawford.	Dallas.	Davis.	Decatur.
1 Inclosures reporting domestic animals.....	325	263	509	594	200	506	258	540
2 Horses, total number.....	344	366	694	740	253	573	185	418
3 Mules, total number.....	42	12	0	34	61	27	5	22
4 Asses and burros, total number.....	1	.....	.....	.....	2	1	1	4
5 Cattle, total number.....	379	531	399	449	185	447	287	812
6 Dairy cows.....	292	193	315	294	140	322	232	516
7 Sheep, total number.....	.....	119	5	22	6	51	5	42
8 Goats, total number.....	.....	1	.....	.....	6	4	4	3
9 Swine, total number.....	373	849	329	518	615	1,259	323	1,010

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

Delaware.	Des Moines.	Dickinson.	Dubuque.	Emmet.	Fayette.	Floyd.	Franklin.	Fremont.	Greene.	Grundy.	Guthrie.	
2,240 6,030,068	1,879 4,514,077	1,028 3,223,777	2,321 6,375,994	1,165 3,600,584	3,081 7,143,182	1,853 4,649,195	2,004 6,109,960	1,807 4,985,103	2,026 5,737,737	1,710 5,708,640	2,279 6,268,344	1
13,819 905 1,053 0,923 4,874 04 1,236,447	10,907 573 820 5,581 3,887 46 1,029,383	8,367 651 743 3,973 2,969 41 702,699	12,802 775 965 6,340 4,684 38 1,188,429	9,345 047 740 4,555 3,365 38 862,187	17,739 1,197 1,341 5,186 5,933 82 1,547,120	11,952 723 891 5,830 4,462 46 1,038,442	15,537 880 1,177 7,740 5,700 40 1,224,301	10,575 576 662 5,150 4,140 47 1,010,478	15,620 864 1,278 8,126 5,295 57 1,629,071	13,053 624 1,023 6,349 5,016 41 1,178,149	15,527 755 1,304 7,961 5,443 64 1,411,504	3 4 5 6 7 8 9
340 70 60 210 35,440	513 140 90 283 52,963	842 95 49 198 36,456	187 34 35 118 19,983	295 88 45 102 33,623	377 135 89 183 40,135	156 31 38 87 14,654	274 50 78 148 28,078	2,356 837 290 1,729 357,844	1,004 208 169 627 130,721	392 74 55 263 46,711	1,077 285 199 613 122,699	10 11 12 13 14
3 2,000	8 1,021	4 2,000	5 550	2 1,305	1 300	-----	29 1,538	29 10,626	6 2,350	11 2,750	20 6,415	15 10
53,001 2,909,213	29,809 1,908,245	28,586 1,439,259	58,049 3,389,166	31,332 1,531,905	74,150 3,705,352	46,832 2,285,867	53,328 2,908,400	28,166 1,959,543	37,870 2,148,376	49,537 2,713,975	47,380 2,676,168	17 18
13,541 2,812 1,294 2,092 3,809 3,205 179 815,183	19,814 5,315 1,776 5,209 3,081 3,168 305 1,279,463	18,185 0,141 2,364 4,468 2,968 1,784 510 878,197	24,358 0,059 2,436 5,875 5,002 4,517 409 1,411,905	20,784 5,685 2,590 5,876 3,952 2,199 482 956,705	25,311 4,585 2,054 6,528 7,743 4,264 334 1,268,511	25,346 6,002 2,054 6,272 5,331 4,653 434 1,265,111	40,158 11,936 5,031 9,187 6,931 5,240 833 2,061,707	21,591 5,875 2,270 5,628 3,715 3,721 382 1,510,956	28,080 8,486 3,406 9,514 3,881 3,029 684 1,608,948	33,415 9,975 3,838 6,381 5,275 5,870 814 1,791,923	36,587 8,091 4,204 13,997 5,273 3,626 704 1,935,334	19 20 21 22 23 24 25 26
39,490 0,652 5,812 22,750 1,246 2,094,030	9,995 2,457 1,106 6,270 162 628,782	10,401 2,548 1,211 6,383 259 561,062	33,691 2,687 4,597 21,245 862 1,977,261	10,548 2,656 1,201 6,817 284 575,200	48,845 14,469 8,166 24,858 1,352 2,436,841	21,489 6,441 3,080 11,415 600 1,020,756	15,170 3,322 1,907 9,563 378 846,693	6,575 2,242 601 4,329 164 448,587	3,800 2,827 941 5,493 214 539,428	16,122 2,827 2,106 10,827 362 922,052	10,793 2,798 1,099 6,003 293 640,834	27 28 29 30 31 32
8,005 2,854 4,597 244 370 104,079	6,418 2,114 4,125 170 9 73,489	4,568 1,404 2,901 173 30 57,026	5,763 1,328 4,219 206 10 76,225	2,580 640 1,659 67 214 34,022	9,355 2,336 6,447 383 189 117,934	6,226 1,525 4,498 193 10 75,348	15,163 9,435 4,977 237 514 156,134	2,889 741 1,901 45 202 30,037	7,339 2,404 4,749 162 24 80,693	3,951 1,250 2,574 121 6 58,063	15,556 5,939 9,307 207 103 195,130	33 34 35 36 37 38
45 433	191 841	15 60	5 20	19 96	65 551	38 499	12 41	81 259	44 293	4 15	414 2,064	39 40
75,933 20,103 23,255 1,472 31,133 1,746,056	66,841 26,704 11,902 901 27,334 1,448,135	43,446 11,007 10,579 719 21,141 989,277	69,527 12,009 21,537 1,409 33,912 1,751,671	46,831 11,784 10,228 703 24,106 1,137,446	83,514 26,980 23,285 1,533 31,716 1,731,790	57,651 16,545 16,180 925 25,021 1,234,385	85,802 19,270 22,269 1,395 42,868 1,791,463	69,935 18,720 10,602 1,118 33,495 1,607,316	70,013 16,743 17,023 1,208 35,039 1,737,233	71,781 13,278 18,982 1,193 38,275 1,708,977	87,775 22,717 20,244 1,401 43,413 1,954,364	41 42 43 44 45 46
331,178 8,696 341,929 2,365 9,598	233,474 4,522 231,140 1,729 11,483	132,120 4,948 145,584 639 3,350	270,466 6,709 260,663 2,459 12,168	138,873 4,932 150,082 390 2,422	442,912 10,397 450,439 2,597 10,246	255,050 5,955 252,457 1,607 7,280	301,377 10,899 310,819 1,505 5,443	187,024 3,369 190,237 1,039 4,583	296,981 5,586 317,023 429 2,721	302,350 5,444 307,342 1,035 4,090	273,512 4,869 271,278 598 3,122	47 48 49 50 51
6,499,503 1,153,271 209,382 1,272,181 33,837 2,117 40 1,322,564 1,303,831 306	2,568,315 361,311 75,584 170,441 269,540 114,437 1,030 434,429 346,164 368	2,023,245 84,059 30,960 371,346 133,293 17,112 328,510 268,085 280	6,024,225 990,433 70,722 1,075,592 227,901 86,855 1,171,720 1,099,338 279	2,026,206 65,256 52,245 400,075 155,814 38,990 418,589 350,662 318	9,531,501 2,759,770 173,938 1,336,939 70,850 6,572 1,630,746 1,591,290 389	3,253,570 204,618 62,245 662,950 144,195 16,906 574,391 498,067 280	3,846,493 104,527 135,542 641,623 171,919 46,511 659,715 585,857 328	1,696,950 45,575 41,799 50,073 202,776 60,381 206,978 137,043 343	2,336,408 76,180 75,628 136,241 282,665 00,395 332,047 212,198 282	3,557,582 104,676 126,505 537,560 132,550 35,158 577,380 517,519 289	2,336,471 79,448 59,595 410,671 241,276 39,028 424,760 319,959 298	52 53 54 55 56 57 58 59 60 61
1,470,108 1,110,440 312,145 150,364 825,777 545,460	1,048,196 719,187 252,610 114,521 622,383 308,750	509,542 840,696 138,316 55,201 305,591 150,774	1,073,094 685,770 263,001 113,257 625,645 349,013	617,188 401,096 150,261 68,776 340,410 197,974	2,054,188 1,597,349 400,285 223,303 1,199,450 798,879	1,086,486 812,320 283,704 133,917 654,497 418,477	1,140,936 846,302 304,206 141,890 696,091 439,126	793,048 490,405 220,671 85,052 459,792 237,051	1,220,502 870,464 298,891 124,279 690,751 402,862	1,370,030 987,527 267,041 117,955 730,830 453,140	1,208,250 782,437 275,025 101,738 645,086 350,580	62 63 64 65 66 67
46,117 1,795 14,445	45,540 686 13,895	7,822 ----- 2,347	89,558 1,282 27,302	6,618 7 1,987	51,218 561 15,556	25,578 153 7,725	19,351 125 5,843	12,457 426 3,882	9,677 130 2,947	18,438 490 5,713	13,872 29 4,172	68 69 70
5,894 47,702 23,148	5,139 37,943 20,554	3,847 29,428 14,788	5,237 42,919 23,107	2,265 13,306 9,483	6,953 57,008 30,655	5,096 39,744 21,214	4,915 36,597 18,926	1,271 11,917 6,150	4,115 33,894 16,609	2,943 25,778 12,529	7,573 58,097 30,080	71 72 73

NOT ON FARMS OR RANGES: 1920—Continued.

462	458	278	548	199	635	434	256	255	313	261	592	1
647	520	442	820	318	853	637	333	273	352	323	668	2
15	1	10	22	6	30	10	2	45	23	2	30	3
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4
301	349	384	494	289	539	352	201	238	337	318	606	5
215	218	277	284	169	363	215	150	155	265	262	407	6
19	37	6	3	7	10	4	-----	-----	5	16	-----	7
4	-----	3	12	1	2	-----	1	6	2	-----	35	8
380	730	422	318	298	635	343	279	598	389	192	1,261	9

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

		Hamilton.	Hancock.	Hardin.	Harrison.	Henry.	Howard.	Humboldt.	Ida.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals.....number.....	2,131	1,836	2,102	2,812	1,958	1,650	1,361	1,384
2	Value of all domestic animals.....dollars.....	6,252,065	4,992,094	5,750,423	6,306,735	4,723,073	4,043,248	4,495,709	6,790,024
Horses:									
3	Total number.....	15,890	14,310	14,789	16,220	10,957	10,549	10,201	11,257
4	Colts under 1 year of age.....	935	952	767	840	537	719	602	616
5	Colts 1 year old and under 2 years.....	1,250	1,156	1,117	1,141	833	832	727	911
6	Mares 2 years old and over.....	7,815	6,993	7,309	7,662	5,793	5,273	4,961	5,075
7	Geldings 2 years old and over.....	5,815	5,142	5,648	6,531	3,732	3,681	3,872	4,615
8	Stallions 2 years old and over.....	60	67	48	46	57	44	39	40
9	Total value.....dollars.....	1,518,424	1,241,076	1,212,659	1,547,898	1,053,915	854,660	1,021,452	1,282,478
Mules:									
10	Total number.....	697	350	683	2,161	799	154	317	741
11	Mule colts under 1 year of age.....	149	89	134	285	262	10	47	96
12	Mule colts 1 year old and under 2 years.....	94	61	151	295	124	18	34	107
13	Mules 2 years old and over.....	454	203	398	1,581	413	126	236	533
14	Total value.....dollars.....	93,191	38,664	75,883	279,527	87,071	16,915	44,092	102,576
Asses and burros:									
15	Total number.....	4	7	5	26	11	12	21	11
16	Total value.....dollars.....	905	2,490	1,260	7,235	1,885	1,230	3,000	2,350
Cattle:									
17	Total number.....	39,527	46,203	48,738	41,647	31,030	47,261	31,034	42,613
18	Total value.....dollars.....	2,368,757	2,154,860	2,551,518	2,317,643	2,041,833	2,269,177	1,708,257	2,813,963
Beef cattle:									
19	Total number.....	25,724	23,898	34,714	25,082	22,344	16,753	21,107	32,470
20	Calves under 1 year of age.....	7,032	5,784	9,897	7,292	6,111	2,607	5,709	9,095
21	Heifers 1 year old and under 2 years.....	2,816	2,466	3,867	2,975	2,149	901	2,439	3,601
22	Cows and heifers 2 years old and over.....	5,925	7,228	9,694	7,262	6,192	6,090	5,294	8,357
23	Steers 1 year old and under 2 years.....	4,853	4,867	5,910	4,281	4,065	4,931	3,630	5,512
24	Steers 2 years old and over.....	4,318	3,116	4,503	2,787	3,430	2,050	3,470	4,049
25	Bulls 1 year old and over.....	780	437	843	485	397	165	505	623
26	Total value.....dollars.....	1,566,603	1,170,297	1,788,993	1,403,181	1,443,798	886,014	1,216,618	2,004,387
Dairy cattle:									
27	Total number.....	13,803	22,305	14,024	10,565	8,686	30,508	9,927	10,143
28	Calves under 1 year of age.....	3,697	6,860	4,120	5,321	1,985	10,402	2,624	2,419
29	Heifers 1 year old and under 2 years.....	1,574	3,236	1,468	2,042	1,040	5,592	1,096	937
30	Cows and heifers 2 years old and over.....	8,155	11,497	8,045	8,798	5,617	13,490	5,905	6,582
31	Bulls 1 year old and over.....	377	712	391	404	144	1,024	242	205
32	Total value.....dollars.....	802,154	984,563	782,525	914,462	598,035	1,383,163	551,639	749,576
Sheep:									
33	Total number.....	3,855	3,871	10,585	8,124	22,262	6,874	3,174	6,208
34	Lambs under 1 year of age.....	1,038	1,343	3,321	2,301	8,285	2,421	884	4,097
35	Ewes 1 year old and over.....	2,684	2,386	6,403	5,893	13,341	4,266	2,113	1,723
36	Rams 1 year old and over.....	121	75	361	82	555	187	136	30
37	Wethers 1 year old and over.....	12	67	500	48	81	.....	41	358
38	Total value.....dollars.....	59,657	45,196	149,238	101,376	247,476	84,790	44,438	79,667
Goats:									
39	Total number.....	55	15	29	152	24	11	4	78
40	Total value.....dollars.....	319	52	133	549	91	65	14	642
Swine:									
41	Total number.....	83,978	62,858	84,160	96,056	62,172	40,082	69,013	97,280
42	Pigs under 6 months old.....	19,316	16,879	17,837	20,627	25,185	13,152	18,850	13,718
43	Sows and gilts for breeding, 6 months old and over.....	20,937	15,753	21,078	20,852	12,695	11,289	16,327	25,800
44	Boars for breeding, 6 months old and over.....	1,433	1,032	1,250	1,311	900	894	1,012	1,216
45	All other hogs, 6 months old and over.....	42,292	29,147	43,095	47,260	23,392	14,747	32,824	50,546
46	Total value.....dollars.....	2,210,812	1,509,756	1,759,732	2,142,507	1,290,802	816,402	1,614,456	2,608,348
POULTRY AND BEES: 1920.									
47	Chickens.....number.....	317,920	259,206	318,024	316,396	266,161	195,676	181,077	183,982
48	Other poultry.....number.....	6,640	7,047	6,981	4,728	4,664	7,306	5,112	3,899
49	Value of all poultry.....dollars.....	341,172	257,635	316,187	307,683	265,949	199,280	183,860	187,156
50	Bees.....number of hives.....	1,446	967	924	2,200	1,181	1,512	782	499
51	Total value.....dollars.....	4,984	4,717	3,669	9,308	5,506	6,644	3,349	2,815
LIVE-STOCK PRODUCTS: 1919.									
Dairy products:									
52	Milk produced (as reported).....gallons.....	2,498,556	3,387,381	3,190,289	2,966,928	2,576,956	4,804,921	2,276,560	1,627,141
53	Milk sold.....gallons.....	138,959	48,336	254,056	67,513	88,849	83,727	137,331	42,785
54	Cream sold.....gallons.....	77,647	35,801	83,645	77,145	53,240	84,981	53,006	29,843
55	Butter fat sold.....pounds.....	219,523	901,418	571,644	190,468	285,892	1,274,415	254,001	141,616
56	Butter made on farms.....pounds.....	364,187	134,537	154,396	417,161	230,075	127,608	211,523	278,378
57	Butter sold.....pounds.....	109,248	20,284	27,955	110,770	44,594	10,838	48,914	63,211
58	Cheese made on farms.....pounds.....	105	10	135	499	3,721	740	200	400
59	Value of dairy products.....dollars.....	424,267	638,207	555,932	423,355	352,403	894,152	338,840	241,519
60	Receipts from sale of dairy products.....dollars.....	306,791	577,257	481,326	282,211	255,217	837,755	254,219	144,769
61	Average production of milk per dairy cow.....gallons.....	290	267	328	263	361	380	293	273
Eggs and chickens:									
62	Eggs produced (as reported).....dozens.....	1,295,772	984,646	1,228,449	1,365,010	1,202,607	749,424	711,426	701,021
63	Eggs sold.....dozens.....	968,790	724,610	830,085	864,778	905,741	504,476	488,296	421,191
64	Chickens raised (as reported).....number.....	832,461	280,881	294,849	302,508	275,848	241,649	201,722	197,245
65	Chickens sold.....number.....	140,636	125,555	128,430	104,736	119,976	113,449	85,371	85,784
66	Value of chickens and eggs produced.....dollars.....	705,693	579,146	701,709	718,210	722,707	469,872	432,566	423,767
67	Receipts from sale of chickens and eggs.....dollars.....	451,468	358,233	415,685	382,654	462,133	209,987	240,405	222,697
Honey and wax:									
68	Honey produced.....pounds.....	14,563	27,859	11,121	48,601	22,823	33,246	8,672	10,622
69	Wax produced.....pounds.....	72	400	82	178	221	388	77	.....
70	Value of honey and wax.....dollars.....	4,402	8,344	3,364	14,668	6,922	10,106	2,628	3,187
Wool:									
71	Sheep shorn.....number.....	2,465	2,781	5,244	1,346	16,808	4,307	1,735	964
72	Wool produced (as reported).....pounds.....	20,635	22,218	41,872	10,089	123,866	32,336	14,093	7,946
73	Value.....dollars.....	11,144	11,455	22,032	5,077	70,838	17,047	7,517	3,888

1 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.....	385	332	573	417	443	432	324	118
2	Horses, total number.....	445	388	671	479	447	613	392	218
3	Mules, total number.....	23	6	37	43	21	13	7	14
4	Asses and burros, total number.....	.....	1	2	3	2	.....	1	.....
5	Cattle, total number.....	372	334	439	396	371	776	305	119
6	Dairy cows.....	250	252	353	312	292	402	231	93
7	Sheep, total number.....	52	5	21	1	.....	20	1	.....
8	Goats, total number.....	2	1	4	9	0	2	1	3
9	Swine, total number.....	959	455	835	635	809	637	752	331

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

Iowa.	Jackson.	Jasper.	Jefferson.	Johnson.	Jones.	Keokuk.	Kossuth.	Lee.	Linn.	Louisa.	Lucas.	
2,211	2,275	2,870	1,935	2,580	2,059	2,893	2,878	2,232	3,574	1,423	1,581	1
7,321,498	6,478,306	8,870,262	4,416,640	8,159,235	7,035,625	6,630,978	8,779,438	4,022,930	7,816,124	4,334,499	3,806,048	2
14,629	12,352	19,455	11,397	16,862	13,185	17,005	23,928	11,260	18,280	9,870	9,231	3
690	637	855	703	929	694	1,151	1,061	673	595	665	533	4
982	988	1,316	997	1,219	1,017	1,589	2,124	861	1,228	814	814	5
7,547	6,174	10,165	6,159	8,778	6,630	9,337	11,353	5,832	9,670	5,102	5,020	6
5,353	4,489	7,045	3,467	6,885	4,775	4,813	8,686	3,827	6,410	3,222	2,811	7
57	64	74	71	101	69	115	99	67	71	56	53	8
1,380,984	1,052,608	1,762,298	1,053,251	1,564,409	1,219,331	1,543,335	2,084,391	950,213	1,667,856	989,960	725,372	9
1,222	316	1,353	616	1,469	424	1,813	594	777	791	580	1,028	10
209	41	359	175	234	82	404	161	177	163	98	264	11
189	55	257	132	222	62	413	153	129	138	96	569	12
824	220	737	309	1,013	280	936	280	471	495	386	559	13
162,509	35,250	160,567	73,574	183,639	50,405	222,366	61,850	91,080	89,983	70,767	103,183	14
13	5	10	8	20	3	20	5	15	6	2	15	15
4,865	535	1,950	1,690	5,326	1,401	4,540	1,465	3,410	665	502	2,840	16
59,196	62,785	59,966	31,847	59,896	61,660	41,283	70,125	31,250	64,018	24,768	28,470	17
3,542,269	3,861,498	3,742,723	1,868,270	3,579,846	3,807,987	2,592,719	3,641,193	1,741,151	3,797,106	1,723,931	1,646,147	18
52,132	45,051	50,247	24,912	51,778	36,359	34,475	38,020	18,995	42,500	17,992	24,139	19
13,637	11,373	14,672	7,738	14,377	7,955	10,069	10,715	5,366	10,920	4,736	7,292	20
5,403	4,687	5,284	2,288	6,012	3,267	3,204	4,049	2,282	4,302	1,505	2,431	21
16,077	15,411	13,168	7,173	18,273	7,479	12,083	7,554	5,947	12,154	5,401	3,177	22
9,304	8,030	7,948	4,664	6,744	7,642	4,593	7,177	2,866	7,200	2,822	2,837	23
9,645	7,680	8,268	3,574	5,252	9,435	3,752	7,109	2,129	7,026	2,469	2,820	24
1,066	870	917	475	1,120	681	774	726	405	338	320	552	25
3,081,349	3,044,463	3,060,375	1,489,860	3,012,782	2,404,168	2,149,479	2,005,362	1,044,353	2,557,194	1,268,929	1,373,098	26
7,064	14,734	9,719	6,985	8,118	25,301	6,808	32,105	12,255	21,518	6,776	4,331	27
1,169	3,851	1,856	2,397	1,969	6,422	1,606	7,970	2,865	5,452	1,007	1,030	28
565	1,843	1,144	973	3,722	717	4,148	1,576	2,845	7,786	3,019	2,443	29
5,247	8,080	6,642	3,763	5,302	14,615	4,334	18,883	7,603	12,667	3,019	7,738	30
83	360	177	102	174	542	151	1,095	211	554	164	65	31
460,920	817,035	682,348	378,410	567,064	1,403,819	443,240	1,035,841	696,798	1,239,912	455,002	273,049	32
7,757	8,806	18,916	19,388	12,809	5,347	14,828	5,349	28,340	9,867	3,006	18,536	33
1,737	2,049	8,219	4,249	3,629	1,289	3,474	1,861	7,828	2,265	687	5,041	34
5,799	5,852	9,102	14,497	8,031	3,842	10,760	3,206	19,936	7,264	2,185	12,809	35
208	219	820	426	543	146	423	136	707	295	92	431	36
13	186	1,275	216	101	70	171	146	69	43	42	255	37
96,465	97,855	243,991	219,359	149,181	75,218	176,813	60,599	333,125	124,735	43,197	201,738	38
208	152	65	116	86	75	125	154	152	33	176	186	39
1,007	761	340	444	411	270	530	600	924	260	1,057	662	40
103,963	61,759	124,086	61,723	131,263	79,468	102,822	123,104	48,792	103,357	65,771	36,436	41
30,410	16,048	30,049	30,135	49,516	20,319	45,059	30,399	25,987	40,424	23,172	16,830	42
25,731	20,316	30,036	10,818	30,003	23,717	20,503	29,966	7,828	23,096	12,648	6,200	43
1,785	1,305	1,849	900	1,833	1,795	2,417	2,132	1,656	1,534	803	5,006	44
52,637	24,090	62,132	19,870	49,011	35,637	37,843	60,607	14,341	37,403	29,148	12,900	45
2,133,399	1,430,304	2,958,387	1,200,052	2,676,423	1,584,013	2,091,980	2,923,340	903,027	2,135,519	1,505,099	623,701	46
315,711	260,981	404,582	277,916	361,909	307,934	388,090	437,178	276,032	413,583	175,800	193,960	47
6,523	8,336	6,096	8,710	8,278	8,509	6,139	11,628	6,335	7,876	4,001	2,245	48
313,234	267,830	399,175	282,794	350,249	312,677	380,844	451,330	271,617	416,680	182,229	190,712	49
2,178	1,845	2,292	2,171	3,164	1,085	2,224	859	1,220	2,173	1,762	923	50
10,796	10,647	11,065	10,205	12,311	6,180	10,703	4,496	6,032	11,282	5,723	5,482	51
3,121,249	5,026,718	3,321,654	2,064,685	2,650,221	5,258,210	2,800,402	4,283,685	2,818,335	4,665,580	1,328,322	1,313,687	52
90,068	110,231	177,007	90,863	415,548	181,473	61,407	127,096	383,618	983,538	17,937	140,998	53
116,430	177,780	44,785	63,731	72,399	53,771	69,783	101,047	61,047	96,694	39,877	28,060	54
283,681	812,192	281,279	165,726	192,986	1,272,513	256,800	1,083,934	269,455	557,678	62,075	51,496	55
239,207	251,321	530,419	280,857	285,801	92,673	396,754	316,200	316,200	180,228	222,075	187,955	56
48,852	34,168	176,132	61,739	77,398	20,189	76,606	42,354	107,404	84,748	61,612	61,229	57
295	530	-----	634	1,597	209	-----	-----	852	1,360	100	20	58
474,353	778,607	610,008	344,721	528,490	928,600	432,972	904,363	506,943	814,270	212,617	217,605	59
345,987	659,930	836,580	230,389	393,611	885,677	299,401	846,632	387,456	760,055	125,675	144,156	60
327	290	340	291	326	340	375	288	318	342	256	244	61
1,288,570	978,720	1,780,670	1,268,656	1,411,619	1,438,185	1,901,664	1,801,978	1,283,051	1,643,158	750,019	931,091	62
865,233	684,079	1,241,323	1,027,107	891,248	1,092,804	1,387,772	1,232,949	993,410	1,126,832	509,980	600,507	63
341,048	261,069	414,258	306,020	393,620	254,384	417,748	496,466	311,350	440,370	187,892	198,040	64
159,756	127,975	176,169	138,801	144,470	129,063	193,722	188,845	146,147	188,342	85,765	72,690	65
759,233	597,744	1,038,729	765,082	856,811	734,836	1,037,378	1,072,547	742,712	1,017,518	457,899	531,253	66
447,256	366,309	611,079	493,234	440,059	499,775	656,478	611,163	491,957	589,390	269,410	290,331	67
62,017	66,109	43,250	34,258	57,069	21,269	38,042	9,729	16,490	56,359	20,234	18,198	68
792	673	172	429	1,078	160	96	317	113	831	43	35	69
18,874	20,062	13,033	10,423	17,758	6,435	11,446	3,027	4,985	17,191	6,085	5,471	70
6,141	4,742	10,691	14,091	9,960	3,745	11,521	2,779	25,902	6,965	3,212	13,128	71
49,147	38,771	85,918	110,089	80,489	29,489	87,612	21,014	188,730	53,226	23,239	94,758	72
24,702	20,977	44,544	64,189	41,850	15,667	45,535	11,232	107,099	27,083	12,173	51,420	73

NOT ON FARMS OR RANGES: 1920—Continued.

352	356	633	378	508	350	728	499	748	1,123	273	378	1
402	445	718	365	635	510	724	679	644	1,582	267	319	2
24	21	50	17	32	19	56	21	17	141	45	60	3
5	-----	1	2	2	-----	1	-----	-----	4	-----	-----	4
299	308	631	320	486	426	672	745	463	919	226	380	5
226	183	428	227	264	219	500	317	350	560	178	282	6
121	2	35	-----	68	7	72	6	9	8	2	1	7
15	13	-----	3	1	-----	6	-----	-----	24	-----	1	8
449	420	950	529	815	264	1,314	1,422	1,374	2,299	499	482	9

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

		Lyon.	Madison.	Mahaska.	Marion.	Marshall.	Mills.	Mitchell.	Monona.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals.....number..	1,729	2,083	2,712	2,352	2,275	1,536	1,693	2,124
2	Value of all domestic animals.....dollars..	5,822,332	5,379,605	8,023,079	5,259,233	6,834,733	4,199,223	4,883,003	5,563,135
3	Horses:								
4	Total number.....	14,803	14,021	15,537	14,669	16,154	9,995	11,596	14,013
5	Colts under 1 year of age.....	867	875	785	746	949	542	748	802
6	Colts 1 year old and under 2 years.....	1,083	1,283	1,194	1,219	1,301	748	963	997
7	Mares 2 years old and over.....	6,955	7,615	8,642	7,643	8,416	4,699	5,545	6,284
8	Goldings 2 years old and over.....	5,842	4,899	4,813	5,002	5,407	3,963	4,289	5,868
9	Stallions 2 years old and over.....	58	40	103	59	81	43	51	62
10	Total value.....dollars..	1,384,795	1,153,708	1,994,941	1,205,287	1,455,325	855,631	949,219	1,340,004
11	Mules:								
12	Total number.....	140	991	1,495	1,108	981	1,218	127	1,730
13	Mule colts under 1 year of age.....	19	195	359	332	322	135	30	244
14	Mule colts 1 year old and under 2 years.....	7	189	304	254	124	128	23	222
15	Mules 2 years old and over.....	114	607	832	517	535	955	74	1,264
16	Total value.....dollars..	17,570	115,269	183,041	121,049	114,016	164,866	14,187	235,051
17	Asses and burros:								
18	Total number.....	4	19	19	14	11	13	1	13
19	Total value.....dollars..	475	6,210	3,880	4,875	2,455	3,665	25	3,905
20	Cattle:								
21	Total number.....	47,492	40,596	40,580	39,044	51,443	27,415	48,733	37,571
22	Total value.....dollars..	2,314,217	2,874,284	2,415,632	2,153,598	3,089,610	1,674,188	2,638,106	2,213,532
23	Beef cattle—								
24	Total number.....	31,007	32,284	32,053	32,364	35,289	18,909	26,371	24,191
25	Calves under 1 year of age.....	9,887	8,798	9,688	9,887	10,049	5,368	6,146	8,038
26	Heifers 1 year old and under 2 years.....	4,891	3,258	3,559	3,502	3,598	1,640	2,726	2,556
27	Cows and heifers 2 years old and over.....	8,091	9,446	11,332	9,028	4,982	4,980	6,308	5,506
28	Steers 1 year old and under 2 years.....	4,901	5,063	8,849	4,511	5,941	3,728	9,026	5,015
29	Steers 2 years old and over.....	2,311	5,082	2,758	3,855	5,712	2,866	4,678	2,542
30	Bulls 1 year old and over.....	926	617	707	681	707	332	437	534
31	Total value.....dollars..	1,301,830	1,843,808	1,901,992	1,751,111	2,117,146	1,144,302	1,507,649	1,403,233
32	Dairy cattle—								
33	Total number.....	16,485	8,332	8,527	6,680	16,154	8,506	22,362	13,380
34	Calves under 1 year of age.....	3,811	1,679	2,023	1,463	2,107	5,145	6,480	2,033
35	Heifers 1 year old and under 2 years.....	1,410	986	1,096	640	1,768	981	3,605	1,431
36	Cows and heifers 2 years old and over.....	10,952	5,628	5,245	4,474	8,877	5,136	11,730	8,580
37	Bulls 1 year old and over.....	312	139	163	103	364	222	647	326
38	Total value.....dollars..	622,387	530,481	513,640	402,487	972,464	529,886	1,130,457	810,329
39	Sheep:								
40	Total number.....	6,091	22,803	23,764	20,301	12,992	6,973	5,936	1,268
41	Lambs under 1 year of age.....	4,961	7,502	6,348	7,912	4,218	3,145	2,543	304
42	Ewes 1 year old and over.....	1,076	14,556	16,835	12,257	8,009	3,732	3,221	935
43	Rams 1 year old and over.....	38	553	460	875	861	61	112	20
44	Wethers 1 year old and over.....	16	92	121	257	44	35	60	9
45	Total value.....dollars..	60,457	254,248	271,078	230,097	170,230	65,192	77,161	10,214
46	Goats:								
47	Total number.....	8	1,006	55	41	9	35	190	37
48	Total value.....dollars..	37	6,263	448	244	57	144	1,116	117
49	Swine:								
50	Total number.....	82,907	71,953	106,516	79,168	88,950	62,680	56,079	83,080
51	Pigs under 6 months old.....	9,248	26,336	37,376	29,244	21,749	14,723	13,020	18,725
52	Sows and gilts for breeding, 6 months old and over.....	25,345	14,488	24,468	17,140	21,074	15,024	12,791	20,113
53	Boars for breeding, 6 months old and over.....	1,557	911	1,540	1,273	1,498	1,087	826	1,281
54	All other hogs, 6 months old and over.....	46,767	30,215	43,132	31,511	44,829	31,816	28,542	42,961
55	Total value.....dollars..	2,044,781	1,469,623	3,154,059	1,544,083	2,003,040	1,435,537	1,203,189	1,760,283
POULTRY AND BEES: 1920.									
56	Chickens..... number..	234,432	276,879	374,333	340,973	301,832	169,768	215,657	235,147
57	Other poultry..... number..	4,345	4,609	4,670	3,736	5,852	3,320	3,537	4,018
58	Value of all poultry.....dollars..	222,323	284,079	367,226	314,514	289,716	161,127	195,046	213,483
59	Bees..... number of hives..	859	602	2,090	2,651	1,230	929	1,656	1,717
60	Total value.....dollars..	3,115	2,746	9,154	8,514	7,366	4,554	9,769	10,598
LIVE-STOCK PRODUCTS: 1919.									
61	Dairy products:								
62	Milk produced (as reported).....gallons..	3,425,954	2,503,983	2,834,436	2,179,894	3,753,224	1,665,225	2,791,400	2,401,946
63	Milk sold.....gallons..	40,552	92,534	187,791	86,112	625,805	24,276	69,409	43,986
64	Cream sold.....gallons..	35,897	30,969	108,751	46,616	70,876	32,833	129,893	45,001
65	Butter fat sold.....pounds..	552,803	189,011	205,649	161,085	438,043	115,413	707,979	282,544
66	Butter made on farms.....pounds..	276,886	281,888	418,738	314,659	328,048	250,103	126,571	343,114
67	Butter sold.....pounds..	27,023	50,306	127,824	94,989	119,618	59,280	9,188	68,698
68	Cheese made on farms.....pounds..	132	30	1,303	675	1,790	25	160	30
69	Value of dairy products.....dollars..	475,774	311,307	499,254	369,323	639,259	255,720	658,305	408,162
70	Receipts from sale of dairy products.....dollars..	348,322	189,473	352,948	234,097	529,985	145,210	589,015	259,997
71	Average production of milk per dairy cow.....gallons..	285	316	333	305	369	317	313	270
72	Eggs and chickens:								
73	Eggs produced (as reported).....dozens..	920,885	1,300,461	1,021,229	1,536,742	1,225,322	668,650	938,339	959,179
74	Eggs sold.....dozens..	561,882	893,870	1,167,641	1,142,157	774,060	397,158	696,524	585,051
75	Chickens raised (as reported).....number..	207,046	298,449	392,660	371,726	317,167	199,880	239,942	272,341
76	Chickens sold.....number..	75,244	103,330	163,769	135,983	130,403	72,967	117,178	94,711
77	Value of chickens and eggs produced.....dollars..	502,223	707,777	965,634	811,940	723,828	407,924	553,535	556,189
78	Receipts from sale of chickens and eggs.....dollars..	264,346	401,600	584,219	450,603	394,763	200,675	360,735	278,616
79	Honey and wax:								
80	Honey produced.....pounds..	9,110	10,517	33,693	31,861	21,966	24,046	31,222	60,671
81	Wax produced.....pounds..	136	8	232	289	811	248	422	756
82	Value of honey and wax.....dollars..	2,779	3,158	11,657	9,456	6,962	7,298	9,510	18,458
83	Wool:								
84	Sheep shorn.....number..	1,213	17,642	19,108	12,691	10,319	1,814	3,186	712
85	Wool produced (as reported).....pounds..	9,593	133,836	145,552	97,996	80,564	14,622	25,368	5,747
86	Value.....dollars..	5,862	70,819	77,296	54,226	41,564	7,535	13,500	2,803

¹ 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.....	315	407	513	651	596	375	428	508
2	Horses, total number.....	372	443	539	685	706	390	589	714
3	Mules, total number.....	12	64	46	47	24	44	12	75
4	Asses and burros, total number.....	.....	.....	1	.....	3	1	.....	.....
5	Cattle, total number.....	348	532	430	695	505	353	420	355
6	Dairy cows.....	270	313	311	452	391	252	265	293
7	Sheep, total number.....	1	27	30	15	30	8	.....	2
8	Goats, total number.....	11	4	3	4	3	6	.....	5
9	Swine, total number.....	714	970	878	1,049	1,562	843	668	961

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

Monroe.	Montgomery.	Muscatine.	O'Brien.	Osceola.	Pago.	Palo Alto.	Plymouth.	Pocahontas.	Polk.	Pottawattamie.	Poweshiek.
1,753	1,613	1,873	1,874	1,043	2,186	1,783	2,669	1,968	2,833	3,676	2,129
2,989,577	4,941,220	5,050,875	6,541,336	4,028,901	6,256,117	4,821,677	10,089,647	5,266,206	5,400,848	11,915,254	7,959,701
8,019	10,415	11,289	14,423	10,456	14,262	13,935	21,702	14,633	15,555	23,060	15,930
522	498	471	780	533	828	1,057	1,283	764	737	1,341	974
720	837	643	1,128	650	1,169	1,090	1,590	1,093	1,068	1,760	1,203
4,545	5,124	5,895	6,986	5,313	7,053	6,306	9,261	7,127	8,567	10,611	8,378
2,803	3,909	4,232	5,477	3,929	4,548	5,441	9,469	5,690	5,092	9,281	5,267
20	47	48	52	31	64	41	100	59	91	71	48
683,229	981,329	1,040,574	1,381,567	917,739	1,218,168	1,267,073	2,036,896	1,425,364	1,372,059	2,280,647	1,498,943
1,237	1,396	781	355	136	1,839	408	758	652	1,227	2,389	1,224
395	233	134	64	31	430	99	88	167	219	255	111
239	198	86	35	20	431	65	86	127	154	207	158
603	965	561	266	85	978	244	584	358	854	1,927	771
136,222	183,567	96,682	44,599	16,112	243,456	47,553	95,153	78,530	162,969	348,452	165,238
10	30	9	4	2	22	8	3	5	12	20	10
2,330	7,500	3,075	1,250	18	6,900	2,980	900	845	3,335	3,165	3,308
27,291	32,792	36,526	52,703	32,556	50,027	41,336	73,639	33,470	34,699	78,056	52,922
1,440,361	1,904,296	2,335,300	2,807,793	1,633,716	2,605,759	2,021,765	4,065,168	1,815,690	2,378,618	5,171,463	3,462,064
21,290	26,083	25,674	36,733	18,663	43,260	21,095	53,690	21,314	19,930	57,306	40,284
5,784	7,028	6,707	11,900	6,219	11,881	5,111	16,035	6,119	4,900	15,093	10,549
2,023	2,887	2,814	5,072	2,895	7,859	2,141	6,772	2,698	2,105	5,842	3,600
6,841	6,960	6,235	9,971	4,145	12,054	4,635	15,426	5,535	5,256	14,216	10,832
3,369	4,906	4,084	4,911	3,262	6,621	4,393	8,686	3,391	3,339	10,188	6,030
2,903	3,730	5,232	3,896	1,657	3,938	4,463	5,622	3,001	3,988	10,955	8,542
370	572	542	983	458	907	352	1,049	570	342	1,012	731
1,131,701	1,544,048	1,606,584	1,861,451	902,685	2,192,268	1,026,872	2,819,582	1,141,565	1,293,208	3,740,405	2,645,075
6,001	6,709	10,852	16,030	13,893	6,767	20,241	20,049	12,156	14,769	20,750	12,638
1,887	1,569	2,046	3,482	3,488	2,082	5,589	4,435	3,249	3,569	4,435	3,410
640	772	1,307	1,641	1,594	736	3,298	2,480	1,324	1,969	2,009	1,494
3,352	4,235	7,287	10,552	8,457	3,828	10,754	12,596	7,169	8,921	13,764	7,333
122	133	212	355	354	121	600	538	414	320	452	401
308,650	420,248	728,716	946,342	731,208	413,491	994,803	1,245,586	674,125	1,085,410	1,425,058	816,989
18,288	8,523	3,508	4,760	7,088	10,383	4,622	7,396	2,635	7,351	13,268	9,902
3,989	3,080	1,025	1,335	1,850	4,261	1,383	3,843	784	3,367	4,604	3,395
11,604	5,302	2,187	3,272	4,189	5,654	3,010	3,167	1,707	3,574	8,497	6,244
472	251	222	130	220	240	148	132	102	100	160	235
223	40	43	23	821	238	72	254	42	250	37	28
164,872	103,764	46,594	66,565	91,672	129,031	69,157	83,718	41,799	78,620	161,150	145,367
725	3	166	6	10	144	11	101	3	160	130	222
3,227	10	1,153	55	47	853	56	554	20	1,012	551	984
32,263	76,154	73,136	91,358	55,019	89,917	63,571	157,618	71,916	67,018	171,949	116,517
16,419	10,232	23,336	16,015	10,366	24,442	15,798	25,454	19,394	19,394	33,751	33,751
5,770	13,958	17,659	25,071	15,134	22,407	14,917	41,384	17,238	12,661	42,433	26,131
567	1,170	1,065	1,498	918	1,245	1,223	2,230	1,198	1,052	2,185	1,509
9,807	39,794	31,076	48,774	28,601	41,823	31,633	88,544	37,682	33,909	93,656	55,126
569,340	1,700,754	1,527,497	2,239,507	1,369,507	2,051,950	1,413,083	3,807,268	1,903,958	1,410,235	3,940,826	2,683,857
175,037	196,052	222,346	242,180	158,178	268,000	230,683	355,136	282,598	310,924	457,057	297,802
3,103	1,672	6,246	4,546	2,933	4,568	7,574	7,002	4,858	7,105	7,953	6,511
172,205	196,647	224,722	236,133	151,412	273,409	241,163	327,798	293,187	325,631	441,747	319,878
782	374	1,460	957	403	620	633	2,328	818	2,689	2,338	1,367
3,945	1,363	5,608	4,805	3,382	3,960	4,533	11,350	2,842	10,222	8,496	9,325
1,839,731	1,626,261	2,718,111	3,516,910	2,223,735	2,542,911	2,504,055	4,118,771	2,424,544	3,790,278	4,684,330	3,163,931
93,304	147,652	213,962	208,783	28,542	77,288	56,109	774,414	69,035	1,561,778	435,070	161,743
20,673	18,311	48,162	20,627	45,879	78,130	92,097	92,037	43,486	64,198	118,429	120,270
111,371	185,454	337,944	634,489	327,166	206,005	635,717	124,950	255,312	56,632	280,426	217,346
239,289	153,207	311,981	273,140	166,975	237,429	103,452	408,352	285,982	326,881	663,307	316,470
83,310	36,466	131,131	33,736	14,293	45,556	29,428	141,776	58,965	136,755	186,976	67,740
5,529	785	205	316	316	316	208	130	63	2,155	4	42
265,890	230,869	489,500	560,050	323,898	359,459	474,501	610,022	338,270	773,492	808,091	454,183
176,195	173,224	307,767	428,352	243,023	259,441	435,971	478,785	220,262	666,704	565,882	824,570
334	331	346	321	235	361	803	296	300	362	326	341
836,518	763,574	906,368	967,219	579,716	1,115,108	1,083,204	1,230,162	1,145,552	1,457,089	1,873,798	1,352,589
520,515	526,014	699,902	591,129	394,729	760,329	585,807	760,557	782,474	879,705	1,130,555	845,397
180,293	183,193	270,515	248,908	172,756	274,001	223,778	341,476	284,174	350,265	467,717	350,014
68,268	79,792	117,588	100,709	69,275	116,206	93,138	83,847	129,311	176,900	162,082	155,463
461,807	426,268	542,562	599,490	268,747	625,547	578,283	714,984	639,561	852,540	1,037,420	815,179
246,147	252,732	335,912	325,649	204,583	362,029	286,346	326,370	382,370	488,310	543,574	446,323
12,533	4,103	30,334	28,480	8,653	6,241	20,263	60,849	16,573	35,542	35,047	26,341
30	346	346	229	132	20	111	732	18	694	428	225
3,770	1,231	9,218	8,622	2,731	1,879	6,117	18,504	4,978	10,899	10,600	7,979
12,877	2,581	2,447	3,070	3,576	4,494	3,293	2,713	1,735	4,063	4,234	6,337
92,320	23,292	19,080	26,378	26,894	40,169	26,919	21,181	14,417	33,081	32,994	52,997
54,270	12,230	9,457	13,755	14,108	23,634	12,046	10,603	7,437	17,472	15,478	27,459

NOT ON FARMS OR RANGES: 1920—Continued.

695	217	654	307	162	503	293	251	224	2,446	887	387
558	321	723	420	175	492	463	364	259	3,148	1,102	497
159	13	47	20	7	25	25	12	6	160	93	31
2	-----	-----	6	-----	-----	-----	-----	-----	4	2	1
529	185	492	481	144	633	351	214	290	1,411	745	329
418	149	303	304	114	362	225	151	231	987	509	232
2	2	9	-----	2	4	10	6	6	46	717	139
4	3	5	-----	16	8	-----	2	3	72	27	4
910	240	1,008	793	207	1,217	623	482	522	6,047	1,934	723

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

	Ringgold.	Sac.	Scott.	Shelby.	Sioux.	Story.	Tama.	Taylor.
DOMESTIC ANIMALS: 1920.								
1 Farms reporting domestic animals.....number.....	1,876	1,903	2,250	1,998	2,754	2,135	2,455	2,116
2 Value of all domestic animals.....dollars.....	4,254,315	7,082,105	5,578,960	7,584,283	9,735,422	6,117,275	7,963,607	4,741,320
Horses:								
3 Total number.....	12,594	15,048	12,275	15,596	19,946	14,620	18,347	14,034
4 Colts under 1 year of age.....	788	842	485	1,020	899	678	854	889
5 Colts 1 year old and under 2 years.....	1,082	1,121	680	1,441	1,300	1,142	1,356	1,299
6 Mares 2 years old and over.....	6,689	7,310	5,607	7,170	9,504	7,680	9,744	7,334
7 Geldings 2 years old and over.....	3,991	5,725	5,454	5,901	8,187	5,039	6,354	4,441
8 Stallions 2 years old and over.....	64	50	49	55	56	81	59	71
9 Total value.....dollars.....	963,515	1,518,718	1,151,940	1,506,440	1,946,266	1,481,647	1,653,701	966,283
Mules:								
10 Total number.....	1,466	1,071	610	894	353	941	716	1,337
11 Mule colts under 1 year of age.....	427	230	30	113	31	162	81	335
12 Mule colts 1 year old and under 2 years.....	313	142	66	113	51	148	118	269
13 Mules 2 years old and over.....	716	699	514	668	271	631	517	733
14 Total value.....dollars.....	146,437	144,171	72,447	123,968	45,690	139,104	88,205	151,129
Asses and burros:								
15 Total number.....	35	11	5	4	17	10	7	22
16 Total value.....dollars.....	5,701	2,541	340	1,800	2,070	5,250	1,062	2,780
Cattle:								
17 Total number.....	34,341	52,945	48,178	53,592	69,084	40,100	67,936	34,989
18 Total value.....dollars.....	1,999,675	3,075,741	2,731,877	3,328,777	3,908,666	2,534,462	3,770,181	1,944,906
Beef cattle—								
19 Total number.....	27,423	41,026	27,375	45,088	44,399	23,622	58,361	26,020
20 Calves under 1 year of age.....	7,198	11,699	6,703	15,029	15,611	5,161	16,258	7,084
21 Heifers 1 year old and under 2 years.....	3,000	5,697	3,045	5,339	6,116	2,083	6,630	2,782
22 Cows and heifers 2 years old and over.....	9,664	13,065	8,015	14,492	11,800	5,190	17,435	8,538
23 Steers 1 year old and under 2 years.....	3,670	5,693	5,046	6,149	5,894	4,515	7,482	4,066
24 Steers 2 years old and over.....	3,212	4,061	3,943	2,958	3,862	6,199	7,230	2,940
25 Bulls 1 year old and over.....	679	911	623	1,121	1,110	474	1,326	610
26 Total value.....dollars.....	1,584,573	2,313,648	1,485,694	2,722,460	2,270,989	1,601,716	3,059,651	1,440,917
Dairy cattle—								
27 Total number.....	6,918	11,919	20,803	8,504	24,685	16,478	11,575	8,969
28 Calves under 1 year of age.....	1,572	4,145	4,965	5,208	5,467	6,116	2,801	2,354
29 Heifers 1 year old and under 2 years.....	880	975	2,982	603	3,140	1,956	1,153	1,193
30 Cows and heifers 2 years old and over.....	4,291	6,526	12,169	6,495	15,365	7,916	7,401	5,236
31 Bulls 1 year old and over.....	175	273	687	198	713	490	220	186
32 Total value.....dollars.....	415,102	762,093	1,240,283	606,317	1,635,677	932,746	716,537	503,989
Sheep:								
33 Total number.....	15,528	8,907	3,015	7,091	5,963	5,154	11,713	24,363
34 Lambs under 1 year of age.....	3,403	3,609	727	3,651	3,869	2,896	3,391	5,971
35 Ewes 1 year old and over.....	11,490	5,145	2,132	3,345	1,971	2,125	7,993	17,770
36 Rams 1 year old and over.....	613	136	95	80	73	114	275	679
37 Wethers 1 year old and over.....	22	17	61	15	50	19	54	37
38 Total value.....dollars.....	205,883	110,821	39,132	81,102	74,092	78,660	162,184	298,446
Goats:								
39 Total number.....	145	18	10	33	23	10	76	199
40 Total value.....dollars.....	501	127	24	181	150	77	626	1,631
Swine:								
41 Total number.....	47,074	94,608	69,784	112,566	146,319	78,632	100,802	69,740
42 Pigs under 6 months old.....	18,896	13,147	14,967	22,475	13,838	21,743	18,456	26,407
43 Sows and gilts for breeding, 6 months old and over.....	10,841	25,404	22,620	28,607	44,879	17,570	28,795	16,516
44 Boars for breeding, 6 months old and over.....	724	1,866	1,128	1,568	1,133	1,133	1,460	900
45 All other hogs, 6 months old and over.....	16,678	54,689	31,069	59,916	85,304	38,186	62,095	25,851
46 Total value.....dollars.....	932,603	2,229,986	1,583,190	2,542,014	3,760,469	1,878,075	2,271,641	1,381,145
POULTRY AND BEES: 1920.								
47 Chickens.....number.....	288,410	267,539	292,810	274,237	381,554	338,346	360,347	282,875
48 Other poultry.....number.....	5,481	5,554	12,542	5,454	3,441	4,070	8,602	5,937
49 Value of all poultry.....dollars.....	204,240	254,723	267,795	207,018	365,925	344,145	367,025	292,193
50 Bees.....number of hives.....	596	571	1,170	760	924	1,322	1,280	692
51 Total value.....dollars.....	3,678	2,185	7,267	3,547	5,670	7,197	4,771	2,861
LIVE-STOCK PRODUCTS: 1919.								
Dairy products:								
52 Milk produced (as reported).....gallons.....	1,965,652	2,225,314	5,531,750	2,294,983	5,011,555	2,818,111	3,480,538	1,926,703
53 Milk sold.....gallons.....	20,922	90,720	1,217,287	46,992	110,079	272,937	79,430	28,845
54 Cream sold.....gallons.....	41,065	52,161	50,774	40,323	79,533	81,952	128,243	63,443
55 Butter fat sold.....pounds.....	190,703	190,195	204,308	180,120	916,797	290,044	349,186	211,604
56 Butter made on farms.....pounds.....	210,130	253,458	917,174	339,405	311,156	234,051	309,717	205,887
57 Butter sold.....pounds.....	23,165	43,670	579,881	59,828	32,284	72,915	70,090	20,793
58 Cheese made on farms.....pounds.....	480	25	32	151	550	152	101	56
59 Value of dairy products.....dollars.....	269,343	331,902	964,701	349,330	825,009	464,893	536,384	258,930
60 Receipts from sale of dairy products.....dollars.....	168,247	214,192	805,116	189,728	662,946	382,426	414,286	164,486
61 Average production of milk per dairy cow.....gallons.....	240	257	376	275	291	304	351	266
Eggs and chickens:								
62 Eggs produced (as reported).....dozens.....	1,353,027	1,006,916	1,220,394	1,092,615	1,454,895	1,307,694	1,402,074	1,171,376
63 Eggs sold.....dozens.....	989,812	630,918	797,588	690,142	688,457	928,846	864,212	873,833
64 Chickens raised (as reported).....number.....	272,866	292,779	299,948	298,426	289,040	339,588	306,850	295,074
65 Chickens sold.....number.....	120,762	116,262	125,911	112,994	97,193	132,062	159,773	114,559
66 Value of chickens and eggs produced.....dollars.....	718,410	587,000	751,906	642,046	694,065	746,848	814,850	684,312
67 Receipts from sale of chickens and eggs.....dollars.....	450,467	307,987	425,135	341,362	401,676	433,270	476,169	418,049
Honey and wax:								
68 Honey produced.....pounds.....	8,392	6,835	42,861	20,236	23,496	19,795	20,551	7,773
69 Wax produced.....pounds.....	7	75	110	110	131	963	157	27
70 Value of honey and wax.....dollars.....	2,520	2,077	13,239	6,108	7,094	6,266	6,218	2,341
Wool:								
71 Sheep shorn.....number.....	11,209	4,480	1,600	2,397	1,549	2,638	7,632	17,204
72 Wool produced (as reported).....pounds.....	92,063	33,274	13,844	18,499	14,601	19,379	59,894	140,065
73 Value.....dollars.....	48,815	16,302	6,964	9,304	6,984	10,102	30,267	77,875

1 Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

	Ringgold.	Sac.	Scott.	Shelby.	Sioux.	Story.	Tama.	Taylor.
1 Inclosures reporting domestic animals.....	423	407	449	275	498	573	517	434
2 Horses, total number.....	400	464	916	269	461	702	625	445
3 Mules, total number.....	105	21	64	14	24	53	53	15
4 Asses and burros, total number.....	1	6						3
5 Cattle, total number.....	431	336	255	301	514	451	541	447
6 Dairy cows.....	345	246	184	208	444	388	373	319
7 Sheep, total number.....	21	9	3	1	5	16	6	231
8 Goats, total number.....	1		2	4	3		15	8
9 Swine, total number.....	694	650	261	420	764	852	3,272	1,065

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

Union.	Van Buren.	Wapello.	Warren.	Washington.	Wayne.	Webster.	Winnebago.	Winneshiek.	Woodbury.	Worth.	Wright.	
1,580	1,044	2,080	2,355	2,275	1,845	2,521	1,522	2,876	2,807	1,427	1,883	1
8,925,843	4,494,202	3,684,882	5,389,500	7,838,775	4,689,806	5,603,175	3,576,092	7,204,019	9,195,988	3,521,512	5,619,469	2
10,760	10,724	10,113	13,943	14,581	11,905	17,610	10,017	17,247	20,855	9,503	15,465	3
621	690	532	742	853	716	943	612	1,201	1,301	509	922	4
1,000	880	718	1,308	1,146	939	1,210	723	1,429	1,682	647	1,263	5
5,538	5,921	5,377	7,355	7,667	6,497	8,771	4,733	8,732	9,355	4,538	7,464	6
3,525	3,188	3,436	4,307	4,831	3,690	6,624	3,014	5,792	8,333	3,781	5,768	7
76	65	50	71	84	54	62	30	93	94	28	48	8
895,465	933,819	847,478	1,443,263	1,476,425	1,036,269	1,794,783	856,242	1,534,229	2,021,207	734,447	1,370,904	9
794	1,104	963	1,052	1,236	1,833	574	104	180	1,687	105	543	10
153	315	225	282	272	556	59	42	37	233	11	118	11
141	258	190	237	167	400	50	47	30	267	20	98	12
500	531	548	643	797	808	465	105	113	1,187	74	327	13
88,630	132,336	110,882	114,133	174,360	203,545	68,830	20,222	19,479	213,955	12,040	62,298	14
20	11	44	13	54	26	1	4	4	17	2	6	15
2,535	3,185	9,065	4,080	7,070	5,540	25	1,720	278	3,060	53	1,740	16
32,236	29,473	24,550	41,115	46,059	35,134	37,426	35,723	77,250	61,534	41,032	41,496	17
1,781,024	1,943,543	1,414,457	2,435,068	3,234,247	2,152,417	1,987,967	1,625,616	3,524,546	3,754,157	1,809,369	2,317,464	18
27,467	22,870	13,226	20,661	38,173	29,833	20,061	15,053	33,944	44,779	15,340	27,593	19
7,352	7,280	4,108	7,641	10,200	8,294	5,662	4,600	11,322	11,754	3,075	8,008	20
2,932	2,516	1,653	3,108	3,066	3,073	2,336	1,804	3,441	5,008	1,299	3,341	21
9,820	8,075	4,191	9,555	11,094	10,804	5,732	3,154	7,979	9,573	3,131	6,611	22
3,640	2,883	1,746	4,714	6,530	4,440	2,900	3,471	7,738	11,471	4,407	4,225	23
3,090	1,621	1,200	4,083	6,536	2,695	2,784	1,571	2,776	5,650	3,107	4,587	24
615	495	328	590	687	627	557	353	688	723	321	821	25
1,481,655	1,536,800	742,813	1,631,932	2,633,645	1,836,000	1,016,212	608,407	1,423,261	2,629,730	702,580	1,578,807	26
4,769	6,003	11,324	11,454	8,486	5,201	17,365	20,670	43,306	10,755	26,292	13,903	27
1,010	1,557	2,671	3,080	2,103	1,243	4,266	5,348	11,734	3,831	8,380	3,461	28
549	1,316	1,316	1,379	968	611	2,173	2,987	6,831	1,664	4,233	1,641	29
3,096	4,282	7,230	6,674	5,231	3,249	10,364	11,090	23,412	10,849	12,993	8,394	30
114	92	207	321	184	98	562	645	1,329	411	698	407	31
299,369	406,743	671,644	803,136	600,602	315,817	971,755	917,109	2,101,285	1,124,427	1,106,789	738,467	32
14,119	48,805	20,304	12,581	12,036	21,609	3,330	2,225	9,631	13,865	2,045	6,540	33
4,401	14,559	5,944	3,025	3,474	6,465	1,163	540	2,120	6,599	644	3,226	34
9,301	32,410	13,307	9,125	8,096	14,169	2,062	1,483	6,874	0,813	1,322	3,167	35
280	931	423	349	353	616	35	175	516	180	63	138	36
137	989	630	82	113	459	21	121	273	16	9	37	37
158,002	484,281	218,653	142,484	154,009	241,833	44,430	28,454	129,714	159,445	25,260	83,953	38
153	582	303	382	18	33	60	12	31	424	10	6	39
680	2,795	1,041	1,817	83	159	1,105	62	171	2,291	42	24	40
52,919	49,698	53,405	68,421	123,420	49,255	68,481	48,115	89,974	132,504	43,030	79,427	41
20,895	24,408	22,923	26,181	47,181	23,409	17,590	11,638	23,088	32,459	10,424	19,104	42
10,852	9,484	10,571	12,688	22,927	9,522	17,758	11,725	26,190	30,133	9,024	17,819	43
730	702	818	956	1,724	893	1,200	922	2,062	1,808	700	1,426	44
20,442	15,104	19,093	28,596	51,588	15,431	31,873	23,830	38,634	68,014	21,010	41,078	45
999,507	994,243	1,083,306	1,248,665	2,702,581	1,000,943	1,705,975	1,143,876	1,995,602	3,041,873	940,301	1,783,096	46
215,908	287,888	227,475	305,437	332,937	250,748	328,936	202,993	343,662	302,184	189,565	245,222	47
3,311	5,854	4,097	5,612	5,566	6,806	6,108	3,332	10,135	7,075	4,045	7,943	48
211,230	202,451	226,925	294,787	358,856	266,852	322,688	207,388	320,669	297,766	178,514	262,323	49
638	1,250	2,104	2,310	2,416	1,230	979	1,028	3,049	3,768	454	884	50
3,070	6,166	11,923	10,462	12,067	5,892	4,435	3,273	14,378	28,684	2,276	3,675	51
1,700,051	2,317,124	2,876,264	2,968,343	2,628,729	1,491,076	2,864,765	3,564,042	8,008,455	4,005,372	3,692,899	2,846,000	52
107,157	61,025	534,161	823,109	85,015	57,170	227,872	107,887	126,615	371,791	59,130	115,648	53
14,597	51,650	57,657	52,274	81,166	40,278	60,930	70,051	59,051	70,104	16,697	25,462	54
225,873	240,344	151,377	74,969	167,522	94,761	220,590	913,052	2,371,669	198,982	1,043,717	458,887	55
181,159	235,258	295,534	275,815	296,555	202,087	300,374	112,177	313,840	492,301	158,799	238,643	56
29,010	39,988	139,913	73,524	63,482	54,355	102,713	17,492	6,151	130,410	17,801	90,371	57
268,398	1,038	83	145	570	1,080	100	44	525	310	20	58	58
183,077	340,639	426,051	400,544	395,420	223,473	452,221	646,354	1,085,992	563,972	777,992	411,348	59
312	226,863	348,601	353,020	262,106	152,514	312,528	597,088	1,522,776	379,460	691,939	340,117	60
994,237	1,496,760	1,026,620	1,243,156	1,439,480	1,315,465	1,283,190	802,738	1,432,599	1,483,715	859,774	957,700	62
697,994	1,176,348	683,841	851,772	1,054,701	977,955	846,817	641,211	1,070,206	816,252	632,060	618,187	63
230,223	308,531	268,436	354,825	308,299	250,671	346,423	204,769	353,507	326,213	196,139	243,836	64
103,277	126,377	116,991	179,551	239,399	115,905	133,685	102,345	150,737	109,766	101,103	116,907	65
575,069	840,276	597,754	713,604	842,650	675,374	741,137	505,551	841,148	766,907	490,718	583,762	66
351,730	554,377	345,836	428,438	587,642	431,110	405,752	331,461	531,202	366,296	324,119	332,861	67
10,539	18,678	40,397	39,010	67,277	27,562	16,102	9,533	87,465	144,303	8,386	12,830	68
15	135	198	142	801	303	35	68	953	1,702	18	46	69
3,167	5,649	12,188	11,751	20,489	8,372	4,843	2,881	26,564	43,870	2,622	3,565	70
8,228	38,894	15,226	9,489	10,182	16,675	1,822	1,412	7,687	6,467	1,667	3,698	71
66,623	315,912	112,545	73,392	81,516	123,183	14,878	11,339	62,084	48,336	12,174	28,897	72
34,688	181,460	66,204	38,888	43,012	66,989	7,744	5,720	32,365	24,188	6,192	14,080	73

NOT ON FARMS OR RANGES: 1920—Continued.

480	335	947	430	438	629	577	311	425	1,148	200	307	1
479	344	904	499	535	536	764	350	498	1,569	270	463	2
21	16	16	15	41	28	47	11	14	92	1	32	3
.....	8	5	1	1	.....	1	.....	1	3	1	.....	4
439	308	595	493	521	563	493	571	655	1,604	290	283	5
294	257	431	388	364	417	313	275	306	579	172	205	6
1	23	18	39	5	70	9	35	40	18	.....	11	7
.....	10	37	4	.....	5	11	1	2	44	.....	3	8
641	571	1,424	568	990	806	2,976	345	566	3,168	308	562	9

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

		THE STATE.	Adair.	Adams.	Allamakee.	Appanoose.	Audubon.	Benton.	Black-hawk.
VALUE OF ALL CROPS.									
1	Total.....dollars..	890,391,299	8,930,844	5,592,107	6,648,472	4,639,099	8,051,655	13,351,600	9,211,056
2	Cereals.....dollars..	696,022,846	7,541,403	4,474,070	3,812,123	3,158,323	6,861,328	10,604,111	6,573,448
3	Other grains and seeds.....dollars..	10,587,008	143,084	58,240	202,045	327,577	42,904	141,351	53,624
4	Hay and forage.....dollars..	146,959,888	999,595	796,934	2,179,199	950,802	914,746	2,154,382	2,084,032
5	Vegetables.....dollars..	28,305,846	191,115	150,314	301,143	112,284	189,162	366,558	360,626
6	Fruits and nuts.....dollars..	7,056,389	51,365	105,870	49,268	56,346	41,890	76,589	119,691
7	All other crops.....dollars..	1,459,322	10,282	6,730	14,697	23,467	1,505	8,609	19,335
SELECTED CROPS (acres harvested and production).									
Cereals:									
8	Total.....acres..	16,308,149	173,567	116,240	91,543	93,045	143,866	230,448	162,216
9	.....bushels..	587,942,307	6,107,053	3,483,318	3,385,369	2,443,951	5,094,553	9,415,357	6,065,482
10	Corn.....acres..	9,006,738	101,898	65,461	40,001	48,289	85,029	128,485	85,423
11	.....bushels..	371,362,393	4,180,875	2,329,943	1,790,369	1,618,684	3,922,283	5,587,492	3,171,380
12	Oats.....acres..	5,484,113	43,913	25,483	37,326	22,632	40,160	90,292	67,983
13	.....bushels..	187,045,705	1,467,775	772,635	1,326,955	549,175	1,485,616	3,595,475	2,733,310
14	Wheat.....acres..	1,437,743	20,199	22,891	7,233	20,605	12,239	5,341	2,949
15	.....bushels..	21,591,928	281,550	336,038	88,179	267,640	124,270	92,692	47,456
16	Barley.....acres..	236,314	6,787	1,448	4,385	93	6,117	4,706	3,137
17	.....bushels..	5,352,802	107,069	30,330	110,250	1,561	153,856	116,293	74,521
18	Rye.....acres..	89,458	727	742	470	1,296	127	1,333	2,316
19	.....bushels..	1,110,739	9,664	8,289	6,908	10,710	2,137	17,271	27,393
20	Buckwheat.....acres..	6,056	4	36	56	91	20	86	34
21	.....bushels..	99,587	92	383	697	996	111	1,095	242
Other grains and seeds:									
22	Dry edible beans.....acres..	828	11	5	15	22	.....	2	11
23	.....bushels..	5,374	97	52	67	108	3	14	45
24	Flaxseed.....acres..	9,646	.....	.....	50	28	.....	20	135
25	.....bushels..	61,007	.....	.....	246	85	.....	100	526
Hay and forage:									
26	Total.....acres..	4,555,824	33,559	26,884	63,280	43,734	27,603	54,910	59,614
27	.....tons..	9,327,772	68,003	53,549	133,830	53,109	56,190	139,527	159,280
28	All tame or cultivated grasses.....acres..	3,032,447	19,843	15,838	49,206	35,646	20,138	42,606	28,126
29	.....tons..	4,045,292	25,387	20,100	79,023	36,712	29,379	75,602	43,985
30	Timothy alone.....acres..	808,390	14,899	11,145	9,664	25,586	5,527	6,401	6,904
31	.....tons..	1,014,218	17,234	12,832	14,029	24,105	6,384	8,573	9,189
32	Timothy and clover mixed.....acres..	1,704,997	2,595	2,179	35,789	8,228	11,122	31,655	18,794
33	.....tons..	2,653,076	3,429	2,669	58,087	10,227	14,823	58,375	30,839
34	Clover alone.....acres..	273,912	908	1,035	2,773	548	1,137	4,223	1,462
35	.....tons..	427,693	1,530	1,488	5,470	688	1,701	8,047	2,617
36	Alfalfa.....acres..	172,043	115	707	34	76	1,345	80	62
37	.....tons..	438,338	273	1,488	97	120	4,314	216	127
38	Other tame or cultivated grasses.....acres..	73,105	1,326	772	946	1,208	1,007	247	904
39	.....tons..	111,967	2,015	1,023	1,340	1,572	2,157	391	1,213
40	Wild, salt, or prairie grasses.....acres..	495,440	3,431	2,357	953	826	1,076	1,636	7,497
41	.....tons..	629,187	5,018	3,329	1,846	1,247	2,907	2,139	11,990
42	Small grains cut for hay.....acres..	45,839	761	610	172	615	1,776	126	259
43	.....tons..	66,004	994	1,079	204	553	3,304	167	392
44	Annual legumes cut for hay.....acres..	7,419	19	284	7	30	32	63	62
45	.....tons..	10,619	24	445	16	40	55	88	106
46	Silage crops.....acres..	288,645	2,648	1,672	3,430	553	1,249	6,065	8,830
47	.....tons..	2,334,676	17,904	11,786	28,185	3,947	12,577	49,367	71,079
48	Corn cut for forage.....acres..	653,872	6,465	5,644	9,466	5,494	2,514	4,306	14,718
49	.....tons..	1,583,457	18,051	15,577	24,625	9,255	7,136	11,892	31,354
50	Kafir, sorghum, etc., for forage.....acres..	20,062	348	479	13	570	218	81	119
51	.....tons..	57,207	1,210	1,233	18	1,366	832	225	347
52	Root crops for forage.....acres..	1,110	4	.....	3	.....	.....	27	3
53	.....tons..	4,330	15	.....	13	.....	.....	47	27
Vegetables:									
54	Potatoes (Irish or white).....acres..	97,336	1,119	497	1,230	202	601	1,154	1,348
55	.....bushels..	4,438,515	30,579	18,841	62,862	9,292	28,242	46,499	58,532
56	Other vegetables.....acres..	73,372	45	35	21	104	301	3,821	3,114
Miscellaneous crops:									
57	Sugar beets grown for sugar.....acres..	7,009	.....	.....	.....	.....	.....	.....	.....
58	.....tons..	52,338	.....	.....	.....	.....	.....	.....	.....
59	Sorghum grown for sirup.....acres..	9,998	134	133	230	297	20	125	330
60	.....tons..	45,340	653	613	923	1,198	82	559	1,202
61	Sirup made.....gallons..	587,712	7,141	4,700	8,884	10,507	1,118	6,149	13,715
FRUITS.									
Small fruits:									
62	Total.....acres..	7,835	50	34	75	98	47	104	169
63	.....quarts..	8,837,293	25,239	34,382	47,479	85,741	22,201	110,513	245,310
64	Strawberries.....acres..	4,472	23	10	35	47	13	56	92
65	.....quarts..	6,006,592	12,347	22,587	27,781	60,886	8,719	77,036	195,825
66	Raspberries.....acres..	2,213	12	3	23	14	12	32	54
67	.....quarts..	1,426,757	3,513	2,011	12,058	9,172	4,278	22,909	35,234
68	Blackberries and dewberries.....acres..	967	15	15	14	29	22	12	9
69	.....quarts..	597,449	9,095	8,868	5,034	12,256	8,685	13,784	4,529
Orchard fruits:									
70	Total.....trees not of bearing age..	1,088,995	9,285	11,120	10,121	16,410	4,972	12,415	13,807
71	.....trees of bearing age..	3,932,079	28,655	29,935	35,080	60,867	25,054	43,394	38,753
72	.....bushels harvested..	2,020,520	18,520	44,075	18,190	13,528	14,650	18,579	28,050
73	Apples.....trees not of bearing age..	767,351	5,596	6,628	9,007	9,056	3,321	9,357	9,190
74	.....trees of bearing age..	2,996,469	23,250	23,304	31,820	32,068	20,258	31,042	28,060
75	.....bushels harvested..	1,810,443	17,267	42,981	17,894	9,860	13,916	15,072	25,665
76	Peaches.....trees not of bearing age..	61,043	955	698	10	2,161	148	138	49
77	.....trees of bearing age..	129,939	437	757	.....	8,775	40	134	4
78	.....bushels harvested..	1,891	17	22	.....	.....	.....	7	.....
79	Pears.....trees not of bearing age..	34,985	262	489	23	893	44	145	82
80	.....trees of bearing age..	100,532	400	539	24	3,703	109	295	101
81	.....bushels harvested..	30,036	84	82	.....	657	23	36	8
82	Plums and prunes.....trees not of bearing age..	95,356	848	1,437	753	1,374	530	1,149	2,818
83	.....trees of bearing age..	313,769	1,763	2,697	2,627	6,047	2,256	5,444	6,194
84	.....bushels harvested..	27,929	107	82	260	215	104	703	1,196
85	Cherries.....trees not of bearing age..	130,199	1,574	1,868	288	2,926	920	1,619	1,668
86	.....trees of bearing age..	891,226	2,796	2,738	609	10,274	2,391	6,478	3,794
87	.....bushels harvested..	150,188	1,045	908	30	3,287	607	2,760	1,181
88	Grapes.....vines not of bearing age..	304,710	2,768	5,849	677	4,919	1,408	2,242	1,448
89	.....vines of bearing age..	1,401,613	8,869	11,640	1,760	11,473	8,359	13,989	8,992
90	.....pounds harvested..	12,165,318	96,173	81,342	10,419	98,009	92,463	161,611	113,109

AND PRODUCTION OF PRINCIPAL CROPS: 1919.

Boone.	Bremer.	Buchanan.	Buena Vista.	Butler.	Calhoun.	Carroll.	Cass.	Cedar.	Cerro Gordo.	Cherokee.	Chickasaw.	Clarke.	Clay.	
11,209,959	8,045,884	8,118,078	11,780,453	7,613,202	13,564,206	10,958,498	10,557,018	10,274,173	8,103,954	11,819,760	5,632,048	4,348,065	9,475,727	1
9,782,495	3,775,479	5,627,350	9,850,768	5,604,743	12,572,901	9,355,551	9,202,448	7,818,634	5,723,437	9,937,957	3,386,028	3,310,678	7,891,314	2
22,490	8,491	51,459	24,004	38,649	7,493	53,871	47,492	171,217	20,683	13,623	199,513	153,171	28,000	3
1,194,853	1,878,210	2,087,838	1,552,687	1,619,283	711,632	1,183,813	1,007,303	2,012,688	1,896,305	1,553,778	1,832,092	778,623	1,307,775	4
180,037	313,555	281,781	312,819	290,091	228,852	329,454	216,503	225,865	367,193	278,771	175,621	64,387	175,663	5
88,138	70,524	74,687	39,843	58,837	42,148	35,495	74,450	39,489	62,246	34,790	35,892	26,165	22,287	6
15,916	4,125	15,183	379	1,590	1,340	314	9,722	6,380	34,060	847	2,302	6,041	22	7
203,970	113,518	153,528	218,542	160,597	250,672	204,880	196,041	150,785	162,219	199,327	116,045	93,866	185,549	8
8,553,590	3,543,909	5,222,950	8,005,644	5,190,570	11,434,005	8,016,035	7,207,612	6,338,555	5,214,055	8,731,313	3,230,436	2,555,428	7,195,320	9
119,181	54,003	76,113	120,912	86,998	136,271	117,025	108,217	92,561	80,360	115,279	47,258	51,520	99,140	10
5,337,297	1,774,953	2,729,026	5,219,076	2,764,242	6,590,106	5,237,779	4,948,900	4,555,471	2,888,036	5,587,202	1,463,025	1,672,730	4,077,278	11
77,358	65,415	68,678	94,600	78,731	110,081	73,313	43,325	40,201	75,667	81,075	60,992	22,305	83,303	12
8,057,105	1,097,941	2,389,734	3,634,761	2,372,134	4,819,081	2,603,064	1,470,274	1,397,700	2,202,522	3,096,084	1,075,032	574,227	3,068,712	13
6,430	1,360	1,544	2,370	1,361	3,149	13,024	33,800	8,481	1,901	1,856	6,029	1,440	1,440	14
102,244	10,277	22,403	29,283	20,015	40,567	140,335	544,456	170,140	24,199	17,903	47,826	302,029	14,887	15
668	1,526	2,412	721	890	316	1,347	8,534	8,267	2,011	965	2,051	176	1,302	16
19,747	34,331	50,985	10,736	17,988	8,325	32,218	204,782	179,708	39,150	26,483	32,638	2,702	30,196	17
2,021	10,800	15,380	1,038	11,060	5,026	1,980	27,704	12,787	718	1,321	2,634	3,028	1,118	18
13	143	271	30	212	-----	-----	8	16	477	3	386	2	1,587	19
122	1,393	3,554	420	1,737	-----	-----	124	238	6,710	30	4,697	7	3,410	20
4	4	8	2	9	2	1	-----	7	16	9	-----	9	10	21
25	27	25	28	64	8	10	1	30	136	97	-----	26	31	22
-----	-----	10	49	-----	5	15	-----	-----	107	-----	309	-----	120	23
-----	-----	61	579	-----	17	75	-----	-----	1,002	-----	1,533	-----	1,096	24
36,206	69,535	71,500	41,976	56,705	24,330	41,959	30,773	52,283	59,782	42,940	67,569	33,408	45,816	25
81,943	137,437	151,695	101,017	108,945	43,096	68,512	68,512	116,281	134,263	95,843	122,554	50,470	88,882	26
18,436	24,630	31,276	25,731	27,519	18,079	28,686	21,160	45,864	33,149	20,278	31,794	22,840	24,271	27
26,830	37,022	42,258	46,702	41,820	24,799	39,489	29,344	82,120	47,473	49,543	46,460	24,785	34,103	28
6,095	6,015	13,434	7,142	8,641	4,198	3,397	11,927	6,882	8,911	5,816	10,766	13,368	5,049	29
1,126	10,186	16,562	10,625	11,431	5,183	4,138	14,376	9,580	11,191	7,753	22,026	12,021	11,491	30
8,963	12,430	16,011	13,882	17,900	12,482	21,416	3,964	36,495	21,746	14,580	11,612	7,352	17,471	31
19,943	19,335	23,308	26,177	28,978	17,012	28,800	5,497	67,119	33,067	24,526	20,275	9,933	17,422	32
1,581	735	445	2,678	555	577	2,410	3,346	2,510	983	5,020	177	1,840	1,931	33
2,796	1,414	820	5,006	941	809	3,871	4,698	4,698	1,346	7,925	289	2,746	1,139	34
4,459	91	43	1,080	30	451	393	756	97	84	3,139	6	28	2,477	35
1,250	239	51	3,220	46	1,157	1,001	1,782	261	192	8,125	10	3,844	481	36
1,058	4,468	1,343	949	363	371	1,070	1,167	80	1,425	723	3,844	348	733	37
1,765	5,948	1,517	1,665	424	938	1,679	2,517	192	1,677	1,214	3,844	348	733	38
6,201	17,652	11,140	7,090	10,782	2,759	9,431	1,138	113	9,257	8,389	14,881	137	13,861	39
7,032	22,944	12,042	8,385	13,608	3,084	12,571	1,745	118	10,213	12,049	15,030	143	16,993	40
485	96	165	228	86	115	108	788	257	136	292	57	329	76	41
694	127	237	442	128	167	263	1,023	326	181	493	68	24	111	42
40	20	9	28	4	10	30	51	8	9	10	12	25	-----	43
51	10	13	35	5	31	60	78	19	6	25	35	35	-----	44
2,538	0,431	4,779	3,166	5,020	1,050	1,369	2,424	3,006	6,128	2,822	4,368	2,038	2,755	45
21,628	49,840	36,379	27,727	30,066	9,413	11,388	21,601	23,903	44,308	26,100	30,072	11,346	21,950	46
8,202	20,062	23,998	5,648	13,213	2,221	2,191	4,853	2,980	10,929	1,903	16,400	7,773	4,677	47
24,832	27,410	60,341	17,431	23,153	5,348	5,062	13,732	9,636	31,689	6,723	27,835	13,393	14,611	48
288	25	133	78	60	45	45	237	47	153	27	47	256	376	49
907	59	425	288	89	254	123	967	134	391	808	62	520	1,105	50
10	10	-----	7	21	-----	9	8	8	1	3	1	-----	-----	51
19	25	-----	7	76	-----	72	22	25	2	42	2	-----	-----	52
552	1,378	1,122	995	1,963	590	1,457	857	777	1,485	988	653	83	603	53
19,690	55,220	48,425	46,724	58,820	27,119	74,174	31,557	32,872	76,113	53,331	35,845	3,477	28,752	54
259	935	290	1,721	138	941	601	331	272	136	335	62	23	392	55
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	474	-----	-----	-----	56
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,940	-----	-----	-----	57
171	64	168	6	18	21	6	113	49	3	10	24	86	1	58
871	264	686	20	89	79	18	441	307	14	50	102	316	-----	59
11,064	2,907	10,827	239	1,142	843	224	6,032	4,297	200	605	1,552	4,811	16	60
62	98	149	57	111	38	31	42	93	80	48	48	32	30	61
45,710	147,483	153,818	36,599	109,307	35,694	31,139	33,053	55,480	91,877	37,083	47,534	29,687	28,199	62
32	57	83	39	95	25	23	18	50	50	30	30	26	23	63
34,357	123,946	115,597	30,058	80,044	28,652	25,316	17,621	37,493	74,288	27,004	34,285	26,136	24,095	64
18	37	32	18	30	10	3	13	30	22	11	15	3	5	65
8,904	18,477	25,869	3,778	22,592	4,962	2,255	8,637	12,232	13,205	5,465	8,148	1,235	2,560	66
1	3	32	3	8	1	5	0	11	7	4	3	2	1	67
1,050	3,995	10,815	1,162	5,180	461	3,038	5,285	4,629	3,162	2,121	4,893	1,760	465	68
8,812	10,222	7,541	4,472	7,040	6,501	8,324	10,229	13,207	4,420	5,944	5,026	8,279	4,766	69
40,760	26,939	26,811	25,925	36,027	22,594	25,309	34,927	42,999	33,576	23,808	19,182	22,150	16,197	70
22,340	17,230	18,022	14,760	15,752	14,174	10,783	28,134	8,725	19,003	12,491	11,967	8,414	7,679	71
6,402	8,449	6,110	5,000	6,611	4,687	6,196	6,983	7,431	3,539	3,604	4,539	5,405	3,370	72
32,709	22,855	21,145	21,731	38,080	18,365	20,766	27,649	27,559	30,618	19,614	18,041	15,453	13,274	73
19,438	16,409	16,218	13,938	15,417	13,670	10,157	26,485	7,101	19,507	12,277	11,781	7,553	7,596	74
76	10	23	35	20	20	9	679	8	8	10	10	767	7	75
71	2	5	1	5	5	6	505	3,025	6	2	-----	1,485	07	76
45	-----	-----	32	-----	-----	2	-----	32	-----	-----	-----	-----	-----	77
66	42	84	23	37	35	276	1,103	10	67	-----	-----	442	12	78
134	139	127	27	80	132	224	1,781	43	87	-----	2	708	12	79
25	119	7	11	9	2	16	122	190	5	-----	-----	83	-----	80
663	1,014	675	645	681	884	790	991	543	930	264	-----	462	945	81
2,668	2,613	3,341	2,896	1,887	2,184	2,566	2,982	3,881	2,597	3,267	3,267	1,529	2,682	82
203	341	378	521	107	156	152	110	86	368	101	101	11	62	83
1,548	707	843	804	733	1,076	1,200	1,492	2,045	314	1,313	22			

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

		Clayton.	Clinton.	Crawford.	Dallas.	Davis.	Decatur.	Delaware.	Des Moines.	Dickinson.
VALUE OF ALL CROPS.										
1	Total.....dollars..	10,975,798	11,918,908	12,175,220	11,411,534	4,740,522	5,549,495	8,614,322	6,080,618	6,332,062
2	Cereals.....dollars..	6,947,376	9,142,717	9,793,384	9,838,613	2,989,373	4,077,266	5,877,347	4,561,801	4,315,588
3	Other grains and seeds.....dollars..	462,371	159,490	47,632	20,149	294,725	255,257	46,070	132,036	39,852
4	Hay and forage.....dollars..	2,870,581	2,298,185	1,874,195	1,264,446	1,190,111	1,000,115	2,321,830	980,803	810,711
5	Vegetables.....dollars..	534,093	243,993	419,387	173,193	192,800	140,346	301,084	269,344	139,597
6	Fruits and nuts.....dollars..	123,313	49,152	39,591	74,052	43,969	55,045	57,442	124,995	26,179
7	All other crops.....dollars..	32,079	25,362	1,031	11,081	29,544	21,466	9,949	11,639	135
SELECTED CROPS (acres harvested and production).										
8	Cereals:									
9	Total.....acres..	152,131	178,452	226,143	208,608	88,642	120,308	143,693	104,862	107,870
10	Corn.....bushels..	6,127,478	7,329,056	7,975,495	7,988,756	2,439,408	3,061,028	5,153,761	3,564,495	3,066,018
11	Oats.....bushels..	69,360	109,796	130,716	117,088	60,440	63,866	73,897	57,542	54,496
12	Wheat.....bushels..	3,305,631	5,375,210	5,885,446	5,216,660	1,567,239	1,999,701	3,101,056	2,341,023	2,214,480
13	Barley.....bushels..	45,068	62,138	62,138	59,606	25,191	25,625	57,777	25,887	48,184
14	Rye.....bushels..	2,261,156	1,493,121	1,943,662	2,151,439	698,438	612,292	1,822,427	826,160	1,622,162
15	Buckwheat.....bushels..	7,262	11,650	30,426	20,516	11,886	29,704	2,708	17,842	3,049
16	Other grains and seeds.....bushels..	113,334	229,243	283,043	568,907	161,497	438,164	41,780	341,516	28,635
17	Dry edible beans.....acres..	7,716	7,553	2,593	1,809	81	52	6,103	622	1,762
18	Flaxseed.....bushels..	185,110	173,673	59,134	20,905	1,106	883	132,207	12,208	35,028
19	Buckwheat.....bushels..	693	3,520	214	524	951	976	2,433	2,718	232
20	Buckwheat.....bushels..	10,884	50,805	2,844	3,266	7,679	8,582	35,500	37,003	3,168
21	Other grains and seeds.....bushels..	155	70	.....	6	22	22	149	18	.....
22	Dry edible beans.....acres..	3,440	720	.....	25	207	346	2,119	395	.....
23	Dry edible beans.....bushels..	7	5	.....	6	22	25	21	6	2
24	Flaxseed.....acres..	67	32	.....	38	185	71	210	39	15
25	Flaxseed.....bushels..	1	10	.....	.....	.....	.....	.....	.....	331
26	Hay and forage:									
27	Total.....acres..	76,847	66,054	50,972	34,899	54,920	40,025	66,081	28,914	30,273
28	All tame or cultivated grasses.....acres..	167,773	138,566	101,045	95,881	65,399	61,779	156,125	57,254	51,155
29	Timothy alone.....acres..	63,492	56,087	47,868	17,475	45,503	20,968	42,088	23,632	14,599
30	Timothy and clover mixed.....acres..	115,957	87,666	74,926	25,115	47,939	32,001	70,501	39,055	19,462
31	Clover alone.....acres..	7,375	8,794	8,875	4,057	18,000	16,437	10,865	4,752	4,700
32	Alfalfa.....acres..	11,915	11,525	8,675	5,788	17,892	16,573	14,723	6,396	5,807
33	Other tame or cultivated grasses.....acres..	48,886	41,806	28,296	7,112	24,842	11,019	29,702	13,462	8,031
34	Clover alone.....acres..	89,403	66,225	41,719	9,954	27,267	12,669	53,104	24,149	10,421
35	Alfalfa.....acres..	8,390	4,747	5,104	4,451	1,639	1,024	1,263	5,030	646
36	Other tame or cultivated grasses.....acres..	13,039	8,125	0,777	0,537	2,119	1,198	2,327	7,536	1,007
37	Wild, salt, or prairie grasses.....acres..	145	468	6,824	638	124	141	50	369	284
38	Small grains cut for hay.....acres..	425	1,211	10,470	1,659	316	263	99	941	606
39	Annual legumes cut for hay.....acres..	716	272	769	617	298	1,347	203	19	962
40	Silage crops.....acres..	1,176	580	1,285	1,180	345	1,898	248	33	1,417
41	Corn cut for forage.....acres..	621	1,814	4,759	2,146	43	232	5,308	47	11,142
42	Kafir, sorghum, etc., for forage.....acres..	760	2,362	0,859	2,546	61	289	7,133	92	13,085
43	Root crops for forage.....acres..	143	234	536	842	566	573	193	145	121
44	Root crops for forage.....acres..	209	280	1,145	921	545	555	217	133	223
45	Root crops for forage.....acres..	10	7	34	60	27	24	15	2	32
46	Root crops for forage.....acres..	12	5	49	100	34	41	14	2	35
47	Root crops for forage.....acres..	3,002	3,881	1,519	3,567	511	835	6,813	1,520	1,208
48	Root crops for forage.....acres..	34,060	35,318	11,206	29,699	2,773	4,635	51,935	11,694	9,110
49	Root crops for forage.....acres..	8,466	3,925	1,852	10,084	8,071	8,102	11,560	3,546	2,933
50	Root crops for forage.....acres..	16,119	12,463	6,296	30,535	13,281	22,052	26,145	6,228	8,501
51	Root crops for forage.....acres..	13	37	204	325	190	290	65	4	133
52	Root crops for forage.....acres..	26	347	564	905	766	1,004	99	14	736
53	Root crops for forage.....acres..	.....	95	.....	.....	.....	2	111	36	.....
54	Vegetables:									
55	Potatoes (Irish or white).....acres..	2,175	1,232	1,552	370	691	315	999	881	573
56	Other vegetables.....bushels..	95,287	42,740	72,488	12,601	22,809	13,170	46,660	43,851	26,433
57	Other vegetables.....acres..	785	123	1,200	1,101	85	54	578	315	78
58	Miscellaneous crops:									
59	Sugar beets grown for sugar.....acres..	.....	.....	2	.....	.....	.....	.....	.....	.....
60	Sorghum grown for sirup.....acres..	238	225	7	150	317	200	167	145	2
61	Sirup made.....gallons..	1,196	1,516	28	672	1,353	1,223	544	653	9
62	FRUITS.									
63	Small fruits:									
64	Total.....acres..	295	67	22	43	53	57	107	122	25
65	Strawberries.....quarts..	242,038	100,776	11,338	43,274	57,447	39,990	107,353	207,957	24,858
66	Raspberries.....acres..	185	35	11	20	33	49	71	82	19
67	Blackberries and dewberries.....quarts..	188,235	67,451	6,224	34,715	46,715	32,844	81,403	165,099	20,013
68	Blackberries and dewberries.....acres..	88	22	4	9	12	2	27	30	4
69	Blackberries and dewberries.....quarts..	36,541	24,697	1,278	5,830	3,987	2,075	17,379	33,507	3,781
70	Orchard fruits:									
71	Total.....trees not of bearing age..	16,975	9,759	9,279	12,862	17,949	18,903	10,251	15,635	3,961
72	Apples.....trees of bearing age..	64,099	33,700	32,984	46,880	46,125	44,630	29,080	83,388	15,000
73	Peaches.....bushels harvested..	30,417	10,245	15,886	24,816	11,273	19,193	14,221	28,325	9,873
74	Pears.....trees not of bearing age..	13,950	6,788	6,541	8,045	10,814	12,522	8,154	10,998	2,442
75	Plums and prunes.....trees of bearing age..	54,678	21,760	25,914	37,814	23,855	27,023	23,168	59,725	12,767
76	Cherries.....bushels harvested..	29,091	7,880	15,247	21,585	6,333	16,640	12,812	22,668	9,820
77	Cherries.....trees not of bearing age..	10	742	21	1,995	2,805	1,983	25	1,563	8
78	Cherries.....trees of bearing age..	1	1,410	106	734	8,239	4,431	10	6,898	3
79	Cherries.....bushels harvested..	160	740	100	283	837	1,029	75	978	18
80	Plums and prunes.....trees not of bearing age..	208	988	113	995	2,969	3,602	128	4,606	3
81	Plums and prunes.....trees of bearing age..	103	176	8	179	1,817	528	39	1,670	.....
82	Plums and prunes.....bushels harvested..	1,567	105	1,054	757	796	1,124	1,178	636	672
83	Cherries.....trees not of bearing age..	6,556	2,890	3,890	2,473	3,709	3,770	3,786	4,121	1,061
84	Cherries.....trees of bearing age..	543	62	296	79	391	119	531	435	20
85	Cherries.....bushels harvested..	1,288	1,384	1,503	1,782	2,097	2,250	819	1,460	326
86	Cherries.....trees not of bearing age..	3,256	6,652	2,961	5,354	7,353	5,704	1,997	8,038	1,178
87	Cherries.....trees of bearing age..	675	2,127	335	2,971	2,732	1,894	834	3,470	33
88	Grapes.....vines not of bearing age..	3,055	2,055	2,046	2,805	2,128	2,562	1,592	6,778	112
89	Grapes.....vines of bearing age..	14,340	14,070	10,857	13,824	9,390	7,230	12,037	74,394	254
90	Grapes.....pounds harvested..	104,635	52,069	57,055	155,763	80,565	68,053	56,020	271,516	803

AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Dubuque.	Emmet.	Fayette.	Floyd.	Franklin.	Fremont.	Greene.	Grundy.	Guthrie.	Hamilton.	Hancock.	Hardin.	Harrison.	Henry.	
8,035,063	5,992,830	10,250,784	7,420,524	8,448,171	8,344,215	11,617,639	9,452,580	9,787,587	12,025,549	8,892,050	9,612,883	11,095,351	6,439,154	1
4,937,778	4,903,227	6,678,351	5,241,056	6,272,838	6,882,269	10,288,721	7,645,127	8,251,037	10,514,060	6,770,494	7,788,603	8,852,663	5,031,333	2
244,210	23,392	160,913	89,746	13,885	13,698	11,066	31,976	152,077	16,812	17,500	19,673	21,490	145,430	3
2,225,364	935,000	2,918,829	1,747,408	1,789,198	1,047,813	1,102,356	1,899,106	1,095,333	1,257,738	1,455,934	1,497,480	1,753,741	990,638	4
512,331	102,754	419,712	277,734	321,494	238,105	154,002	339,287	219,191	186,579	270,706	281,479	321,031	198,467	5
99,938	27,553	69,016	56,514	41,576	180,194	48,909	36,933	55,991	44,739	43,310	51,354	140,145	51,824	6
15,442	4	12,963	8,096	9,185	2,636	12,585	171	13,958	5,621	328,106	4,294	6,311	21,467	7
122,130	125,692	174,032	147,748	181,049	162,632	212,235	178,415	182,048	222,211	182,599	194,889	228,870	107,189	8
4,201,259	4,570,619	6,091,036	4,791,390	5,868,182	4,830,776	8,902,638	6,946,320	6,801,157	9,480,350	6,284,150	6,944,581	6,601,494	4,063,383	9
64,207	68,295	84,924	70,498	92,710	110,346	120,233	85,490	110,267	121,985	90,120	109,685	143,615	65,978	10
2,736,780	2,402,559	3,279,519	2,581,374	3,059,345	3,886,411	5,831,389	3,925,786	4,768,458	5,536,847	3,815,957	4,198,386	5,041,567	2,898,598	11
47,318	59,150	77,333	69,989	85,329	8,896	76,735	75,426	54,465	95,874	86,271	80,972	97,183	29,624	12
1,296,522	2,120,107	2,594,254	2,046,945	2,758,308	243,171	2,972,029	2,915,801	1,782,009	3,856,002	2,872,745	2,672,326	3,553,884	994,513	13
5,992	1,332	3,681	2,087	1,124	42,435	5,550	2,343	15,336	2,987	3,304	2,238	53,543	9,719	14
78,479	12,397	45,021	21,675	14,177	696,800	79,141	37,877	203,945	48,225	33,838	32,534	648,406	174,204	15
3,549	1,474	6,165	2,540	1,435	410	599	1,328	1,775	1,192	1,994	1,679	2,146	279	16
65,782	30,300	144,867	68,966	30,098	7,613	15,871	34,697	42,718	84,697	42,842	41,343	49,856	5,739	17
403	411	516	687	243	493	32	49	164	103	161	173	389	1,396	18
5,540	4,650	6,947	10,536	3,215	4,873	648	706	2,924	2,174	1,961	1,697	4,578	15,206	19
2	9	464	444	40	22	1	1	2	15	189	12	12	38	20
16	161	7,580	6,935	388	253	10	28	300	2,299	166	223	286	21	21
30	1	12	5	8	5	1	7	3	3	18	4	7	22	22
107	9	68	32	36	24	8	43	2	20	123	42	55	23	23
536	35	58	20	20	20	20	20	20	351	8	8	8	24	24
3,524	81	193	300	300	300	300	300	300	2,171	83	83	83	50	25
66,589	31,218	96,841	53,807	60,872	26,295	33,789	40,212	35,236	37,078	52,002	45,720	41,011	33,900	26
117,893	66,392	193,992	121,188	128,442	57,635	73,153	93,409	64,770	94,035	99,149	105,132	91,524	58,038	27
60,895	17,337	54,659	32,167	32,965	13,684	19,774	25,661	25,661	20,505	27,998	26,257	28,174	26,096	28
99,126	21,290	85,634	45,784	44,424	37,713	28,778	42,193	37,301	28,378	37,061	35,992	60,766	38,952	29
7,267	9,452	14,106	12,984	9,602	3,060	4,768	2,119	8,334	6,695	10,911	2,904	2,118	4,378	30
9,747	10,752	19,617	19,675	12,188	4,597	5,581	3,133	11,287	8,032	14,090	3,480	3,111	5,700	31
48,602	7,031	36,248	18,184	22,557	4,012	12,943	21,983	14,458	12,299	13,117	20,969	4,045	16,894	32
79,947	9,094	60,140	27,450	31,198	6,092	19,938	30,093	20,875	17,765	17,834	28,403	6,770	23,876	33
4,459	354	1,602	514	368	2,171	1,420	1,458	1,655	541	861	1,780	1,917	6,204	34
8,405	524	2,705	799	528	2,949	2,114	2,651	2,561	899	1,112	3,098	2,713	8,937	35
165	159	16	87	50	8,956	173	21	458	171	101	184	19,197	109	36
401	410	25	271	57	23,191	372	61	1,265	462	232	393	47,288	267	37
405	341	2,688	398	388	485	470	181	666	799	3,008	450	897	141	38
625	510	3,047	589	453	884	773	255	1,803	1,220	3,793	618	1,899	172	39
880	7,218	11,537	4,287	7,900	2,956	4,331	5,162	3,127	4,993	12,602	5,582	6,449	40	40
1,220	7,741	13,404	5,541	7,874	4,933	5,405	6,421	4,775	5,497	13,753	6,034	11,551	35	41
192	106	140	78	126	1,538	150	235	484	442	71	352	3,218	181	42
233	240	195	73	236	1,709	239	516	930	700	69	597	6,421	232	43
6	6	168	17	43	43	43	33	33	33	20	7	408	26	44
1,388	2,899	6,624	6,093	7,136	1,364	1,060	3,841	1,157	4,468	4,004	4,608	1,002	1,495	45
11,802	23,795	52,113	41,728	45,743	9,209	10,162	31,637	8,442	35,251	30,249	35,377	5,109	10,890	46
3,138	3,200	23,760	11,090	12,492	1,660	8,385	5,174	4,466	6,580	6,601	8,623	1,329	5,471	47
6,964	12,047	42,445	24,521	29,995	3,803	28,377	12,521	11,816	20,904	16,989	26,084	3,080	8,062	48
29	330	19	37	233	44	40	11	417	90	686	247	451	21	49
22	1,105	51	99	159	330	118	15	1,369	304	1,192	945	1,075	49	50
11	56	34	70	3	1	37	1	1	1	20	42	101	61	51
31	136	63	437	11	116	12	12	12	12	101	42	101	63	52
2,140	589	1,665	1,350	1,423	637	448	1,791	430	720	1,254	1,298	1,166	384	54
104,088	22,532	73,100	67,354	60,333	38,181	18,080	82,771	17,829	33,789	61,426	44,802	58,371	22,151	55
460	37	605	175	832	132	89	440	531	190	149	278	147	383	56
1	182	580	690	88	102	1	1	1	3,835	28,513	80	84	261	57
142	596	84	59	144	874	10	593	345	13	232	347	1,276	60	58
674	6,841	899	893	1,883	8,662	110	9,921	3,989	147	3,028	4,079	15,119	15,119	61
10,930	130	33	83	98	33	54	37	66	60	61	76	72	75	62
220,318	23,092	214,302	107,032	60,357	22,223	45,113	39,691	43,814	45,636	53,966	70,732	35,306	108,360	63
76	25	105	49	63	12	37	23	26	45	45	49	16	51	64
156,117	20,511	145,864	86,845	48,726	15,840	36,745	30,201	24,107	37,542	44,717	58,277	9,740	91,220	65
25	6	65	25	27	11	10	10	20	3	15	18	43	14	66
83,240	1,459	40,916	14,707	8,192	11,608	3,963	5,014	6,671	2,808	7,335	7,893	20,012	13,319	67
25	1	13	3	9	9	5	4	19	8	1	8	11	9	68
26,595	538	22,606	2,137	2,496	4,262	2,864	4,010	12,104	2,597	1,842	3,285	3,727	2,735	69
10,211	5,581	13,207	8,013	7,271	18,321	7,564	6,956	8,241	7,752	7,627	6,780	18,031	12,805	70
56,940	16,382	45,103	24,129	28,463	44,650	24,496	18,367	43,439	18,781	25,428	24,750	58,543	52,620	71
10,277	10,658	9,720	15,697	12,516	69,396	15,180	11,306	17,728	15,084	14,803	14,520	57,851	7,873	72
8,918	4,371	10,873	7,441	5,568	14,596	5,418	5,389	5,783	4,977	5,874	5,159	8,204	3,204	73
47,678	14,368	39,192	22,764	21,052	34,803	19,238	15,139	37,305	14,787	22,385	20,155	49,942	33,485	74
13,775	10,523	9,082	15,557	12,204	65,084	13,756	10,528	16,435	13,085	14,568	13,378	55,400	4,650	75
37	5	22	2	2	1,136	3	14	177	2	8	22	111	1,859	76
50	2	22	3	3	3,989	16	19	66	1	1	22	65	5,476	77
2	20	29	37	34	35	75	55	124	100	1	1	3	30	78
82	19	109	22	49	1,601	72	88	368	31	31	118	810	2,779	79
263	53	29	4	12	2,124	4	9	33	2	12	40	96	504	80
669	697	1,481	326	1,016	619	765	748	803	1,504	1,243	674	1,643	728	81
5,554	1,630	4,291	1,050	1,601	1,349	1,879	1,541	2,158	2,442	2,664	2,152	3,398	3,788	82
488	74	445	105	139	127	123	172	112	495	222	141	555	286	83
505	443	819	209	651	1,190	1,303	750	1,854	1,169	461	862	1,964	1,863	84
3,401	360	1,439	308	761	2,917	3,291	1,580	3,542	1,471	320	2,316	4,328	7,092	85
1,959	61	104	31	1										

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

		Howard.	Humboldt.	Iowa.	Jackson.	Jasper.	Jefferson.	Johnson.	Jones.
VALUE OF ALL CROPS.									
1	Total.....dollars..	5,539,826	7,792,231	8,990,454	9,872,269	7,492,832	11,635,004	5,808,141	9,983,210
2	Cereals.....dollars..	3,254,930	6,614,453	6,954,360	7,255,387	4,640,806	9,635,168	4,110,107	7,422,041
3	Other grains and seeds.....dollars..	153,175	8,140	9,784	630,847	306,239	170,614	212,660	228,884
4	Hay and forage.....dollars..	1,830,774	998,270	1,038,100	1,641,047	2,255,801	1,540,959	1,221,800	1,923,219
5	Vegetables.....dollars..	214,200	111,662	939,400	860,574	252,693	202,411	178,043	312,212
6	Fruits and nuts.....dollars..	55,346	22,397	24,604	68,229	26,653	71,278	71,866	82,701
7	All other crops.....dollars..	1,401	37,309	56	15,886	11,037	9,174	14,665	14,153
SELECTED CROPS (acres harvested and production).									
8	Cereals:								
9	Total.....acres..	104,098	155,347	145,167	145,566	104,049	212,706	101,472	152,116
10	.....bushels..	3,130,967	6,056,592	6,062,571	6,923,896	8,739,488	7,825,150	3,282,606	6,203,115
11	Corn.....acres..	86,942	81,116	81,848	93,005	130,141	59,876	95,133	68,121
12	.....bushels..	1,327,553	3,324,807	3,327,983	4,379,398	2,739,127	5,590,179	2,266,243	4,190,955
13	Oats.....acres..	57,484	69,131	56,654	43,698	29,372	60,694	28,213	45,702
14	.....bushels..	1,646,915	2,639,164	2,037,620	1,381,035	851,847	1,909,314	787,504	1,777,658
15	Wheat.....acres..	4,100	3,112	4,631	6,883	7,437	20,662	12,219	7,649
16	.....bushels..	89,930	40,365	42,849	126,459	98,933	305,933	218,116	165,011
17	Barley.....acres..	3,636	1,682	1,988	1,126	2,562	397	203	1,088
18	.....bushels..	75,773	45,688	53,599	23,010	53,459	9,258	2,940	28,381
19	Rye.....acres..	265	142	44	660	1,000	669	740	1,966
20	.....bushels..	3,982	1,814	490	8,288	13,650	7,738	6,982	24,520
21	Buckwheat.....acres..	597	29		4	130	65	8	43
22	.....bushels..	8,302	567		16	1,617	423	81	683
23	Other grains and seeds:								
24	Dry edible beans.....acres..	4	1	3	1	4	7	16	11
25	.....bushels..	64	9	36	16	25	21	67	86
26	Flaxseed.....acres..	1,216	15						
27	.....bushels..	6,761	60						
28	Hay and forage:								
29	Total.....acres..	67,404	31,031	30,019	39,904	68,305	66,470	41,376	54,335
30	.....tons..	118,564	74,183	56,069	101,585	132,110	108,019	70,360	117,272
31	All tame or cultivated grasses.....acres..	35,611	17,129	25,201	33,109	60,560	40,681	35,319	45,974
32	.....tons..	50,761	23,448	41,720	62,186	90,328	42,688	49,149	73,563
33	Timothy alone.....acres..	7,698	4,780	3,762	4,812	6,904	4,767	6,173	7,923
34	.....tons..	10,275	6,615	4,595	7,074	9,864	5,407	7,948	11,448
35	Timothy and clover mixed.....acres..	23,547	11,497	15,902	26,179	49,107	20,159	23,747	33,330
36	.....tons..	34,740	16,412	26,999	61,507	72,494	14,194	33,501	53,456
37	Clover alone.....acres..	407	292	3,106	1,813	4,104	15,333	5,274	4,420
38	.....tons..	857	388	4,626	2,969	7,352	22,068	7,403	8,039
39	Alfalfa.....acres..	49	172	2,267	66	221	223	42	169
40	.....tons..	156	430	5,209	158	432	650	132	396
41	Other tame or cultivated grasses.....acres..	3,850	388	164	249	134	209	83	132
42	.....tons..	4,723	603	291	418	186	309	105	224
43	Wild, salt, or prairie grasses.....acres..	15,454	4,894	2,052	463	772	1,036	2	508
44	.....tons..	17,871	4,973	3,259	574	1,513	1,324	3	668
45	Small grains cut for hay.....acres..	73	102	388	243	342	330	271	235
46	.....tons..	104	135	530	286	318	495	376	289
47	Annual legumes cut for hay.....acres..	33	21		3	23	250		16
48	.....tons..	53	37		7	30	208		10
49	Silage crops.....acres..	3,763	4,145	426	3,584	3,490	4,416	1,682	4,019
50	.....tons..	25,304	32,104	4,379	31,353	30,885	33,849	12,181	32,875
51	Corn cut for forage.....acres..	12,371	4,647	1,880	2,404	8,077	9,635	4,086	3,566
52	.....tons..	24,276	13,240	5,671	7,166	8,968	29,126	8,609	9,816
53	Kafir, sorghum, etc., for forage.....acres..	74	95	72	8	32	92	10	22
54	.....tons..	118	246	210	10	71	243	42	41
55	Root crops for forage.....acres..	35							11
56	.....tons..	87							20
57	Vegetables:								
58	Potatoes (Irish or white).....acres..	889	392	898	1,293	661	644	356	1,074
59	.....bushels..	44,692	18,693	50,442	55,595	45,100	25,385	18,615	40,028
60	Other vegetables.....acres..	62	8	10,812	349	55	229	50	325
61	Miscellaneous crops:								
62	Sugar beets grown for sugar.....acres..		282			2			
63	.....tons..		3,180			12			
64	Sorghum grown for sirup.....acres..	19	12	1	113	116	72	174	112
65	.....tons..	93	49	4	551	614	417	945	765
66	Sirup made.....gallons..	969	528	40	8,470	6,803	6,231	10,097	10,076
FRUITS.									
67	Small fruits:								
68	Total.....acres..	65	18	16	113	50	91	159	164
69	.....quarts..	75,925	14,776	12,300	75,163	44,509	70,751	112,917	134,444
70	Strawberries.....acres..	36	12	11	51	35	41	112	82
71	.....quarts..	61,430	9,214	9,357	52,909	34,254	49,435	89,593	91,914
72	Raspberries.....acres..	25	4	45	11	11	25	36	54
73	.....quarts..	10,955	3,553	1,616	12,325	7,076	8,752	16,853	28,658
74	Blackberries and dewberries.....acres..	2	1	17	4	4	24	0	25
75	.....quarts..	1,711	774	762	9,098	2,866	11,561	5,322	11,721
76	Orchard fruits:								
77	Total.....trees not of bearing age..	8,279	7,450	4,203	15,102	9,047	16,244	14,853	19,379
78	.....trees of bearing age..	19,424	21,616	10,380	45,081	44,744	55,340	50,254	71,148
79	.....bushels harvested..	18,521	8,637	9,891	16,676	6,872	20,627	15,216	16,146
80	Apples.....trees not of bearing age..	7,397	6,388	2,704	11,403	6,949	11,628	9,563	14,004
81	.....trees of bearing age..	17,812	17,984	12,862	33,859	33,686	40,993	38,115	51,763
82	.....bushels harvested..	18,377	8,304	9,420	12,607	5,849	16,666	11,185	12,237
83	Peaches.....trees not of bearing age..	9		6	567	335	1,107	1,636	1,009
84	.....trees of bearing age..			11	1,426	908	1,765	4,403	1,880
85	.....bushels harvested..				72	2	68	2	5
86	Pears.....trees not of bearing age..	1	30	136	411	325	466	968	1,070
87	.....trees of bearing age..	2	48	17	786	903	747	2,576	3,123
88	.....bushels harvested..				91	134	91	427	629
89	Plums and prunes.....trees not of bearing age..	626	577	569	825	435	1,089	703	1,192
90	.....trees of bearing age..	1,433	2,540	2,220	3,410	3,179	4,528	3,790	5,241
91	.....bushels harvested..	138	191	88	211	105	288	242	186
92	Cherries.....trees not of bearing age..	246	605	798	1,896	1,093	1,954	2,083	2,014
93	.....trees of bearing age..	177	1,044	1,270	5,650	6,068	7,307	7,305	9,141
94	.....bushels harvested..	6	140	82	2,695	782	3,614	3,360	3,180
95	Grapes.....vines not of bearing age..	603	741	1,081	3,056	1,785	3,112	3,625	8,122
96	.....vines of bearing age..	546	2,386	5,266	20,975	12,741	13,942	14,295	35,173
97	.....pounds harvested..	1,721	14,565	29,921	205,399	28,128	145,426	187,473	262,536

105

Keokuk.	Kossuth.	Lee.	Linn.	Louisa.	Lucas.	Lyon.	Madison.	Mahaska.	Marion.	Marshall.	Mills.	Mitchell.	Monona.	
9,013,578	15,074,455	8,073,907	11,321,976	5,985,602	3,802,212	12,075,886	7,343,504	9,730,673	7,526,313	10,686,889	7,038,639	7,823,128	9,264,663	1
7,685,500	13,023,841	3,887,647	7,912,545	4,770,393	2,649,517	10,672,800	5,996,579	7,790,745	5,951,649	8,515,285	5,750,983	4,240,504	7,160,764	2
165,088	58,832	201,873	113,564	113,564	166,707	5,173	77,239	118,934	116,667	120,714	14,716	134,820	55,757	3
1,075,453	2,463,633	1,172,353	2,557,800	856,749	840,518	1,003,018	1,013,051	1,458,381	1,172,341	1,027,932	1,018,391	1,836,968	1,787,220	4
282,619	323,453	459,469	483,791	243,486	93,425	379,638	158,167	254,416	192,953	332,649	101,069	1,038,849	236,223	5
92,360	64,745	271,951	237,794	47,115	30,193	15,250	88,228	90,493	77,190	84,403	87,949	40,112	53,784	6
21,558	44,051	21,114	16,482	11,567	12,792		10,240	17,734	15,513	5,906	5,531	31,875	885	7
187,361	318,243	106,064	181,257	105,673	81,054	235,530	142,270	160,548	144,321	186,639	134,090	120,658	192,619	8
6,151,533	11,958,618	2,991,319	6,809,669	3,621,169	1,975,065	9,667,454	4,487,535	6,152,362	4,847,922	7,141,980	4,214,265	4,148,545	5,302,040	9
100,206	100,392	52,228	100,736	59,337	41,555	122,989	73,806	88,195	73,811	100,678	88,313	40,706	114,691	10
4,629,353	6,617,870	1,704,750	4,437,584	2,464,361	1,273,809	5,644,984	2,709,800	4,444,569	2,015,289	4,880,935	3,287,895	1,667,143	4,046,320	11
41,032	150,141	22,755	65,996	22,181	10,276	103,922	27,573	40,429	24,359	66,610	14,745	69,040	27,090	12
1,270,106	5,211,970	713,843	2,210,383	659,297	389,522	3,980,364	970,988	1,272,237	687,090	2,063,905	434,580	2,268,111	668,849	13
13,652	3,284	19,092	4,205	19,370	19,654	4,282	36,723	19,253	30,428	5,830	29,229	3,515	49,830	14
207,363	29,649	304,688	73,108	407,251	304,623	36,055	729,364	361,293	701,804	163,738	456,895	31,055	560,636	15
454	3,834	494	1,898	123	40	3,942	3,105	9,886	11,659	1,125	956	1,470	1,075	16
9,841	86,911	9,618	41,110	2,748	620	90,650	71,643	9,886	11,659	25,659	23,725	32,222	23,693	17
985	163	10,404	1,518	4,451	499	28	734	657	627	127	815	151	104	18
10,278	1,717	134,078	21,374	50,930	5,279	276	9,140	9,221	6,673	2,160	10,860	2,825	742	19
43	50	93	112		85	3	72	67	942	8	22	474		20
673	473	821	1,348		758	20	31	528		48	110	13,516		21
21	17	47	24	14	6		7	4	2	16	7	13	2	22
83	203	331	97	111	22	5	13	61	18	19	71	144	11	23
	1,045		10			40	80			20		567	5	24
	8,080		60			300	322			300		3,259</		

AGRICULTURE—IOWA.

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

		Monroe.	Montgomery.	Muscatine.	O'Brien.	Osceola.	Pago.	Palo Alto.	Plymouth.	Pocahontas.
VALUE OF ALL CROPS.										
1	Total.....dollars..	4,191,932	7,427,853	7,228,718	12,178,321	6,712,932	9,113,709	8,233,075	16,073,062	11,817,788
2	Cereals.....dollars..	2,960,401	6,322,242	5,120,694	10,140,455	6,476,794	7,342,107	6,887,917	13,292,725	10,694,501
3	Other grains and seeds.....dollars..	15,402	30,701	73,355	30,787	38,238	70,644	29,140	18,569	10,149
4	Hay and forage.....dollars..	1,000,778	873,549	1,297,837	1,729,973	1,017,735	1,255,033	1,153,158	2,350,156	856,471
5	Vegetables.....dollars..	99,306	133,778	668,617	250,297	183,702	276,047	156,983	381,263	212,703
6	Fruits and nuts.....dollars..	52,435	54,172	59,132	26,809	16,420	141,427	35,310	30,849	41,896
7	All other crops.....dollars..	12,040	8,321	9,083	.....	43	28,451	567	.....	2,568
SELECTED CROPS (acres harvested and production).										
8	Cereals:									
9	Total.....acres..	82,651	143,301	115,575	211,789	143,586	169,996	186,353	313,001	234,898
10	.....bushels..	2,145,607	4,719,122	3,964,119	9,135,712	5,181,823	5,190,635	6,372,759	10,898,298	9,777,851
11	Corn.....acres..	42,269	84,499	68,451	115,329	70,115	96,646	95,390	174,648	125,063
12	.....bushels..	1,448,964	3,295,978	2,814,798	5,335,878	2,594,268	3,550,446	3,398,901	7,695,853	5,517,898
13	Oats.....acres..	17,181	21,183	24,674	89,564	70,087	18,526	87,235	87,054	105,857
14	.....bushels..	329,159	764,249	746,099	3,659,272	2,631,520	605,591	2,623,546	2,827,594	4,198,764
15	Wheat.....acres..	22,229	33,526	14,499	2,463	925	51,456	1,273	48,455	2,080
16	.....bushels..	361,838	580,303	302,283	27,487	9,434	983,147	16,052	403,283	22,377
17	Barley.....acres..	1,135	1,292	2,288	4,326	2,327	1,012	1,404	2,627	987
18	.....bushels..	2,026	33,140	39,618	111,530	44,138	13,616	28,115	66,944	20,912
19	Rye.....acres..	759	2,075	5,372	79	48	1,758	951	119	902
20	.....bushels..	8,247	30,999	53,749	762	840	22,183	10,452	2,074	11,776
21	Buckwheat.....acres..	2	.....	140	.....	34	22	28	.....	9
22	.....bushels..	12	.....	2,323	.....	526	275	353	.....	124
23	Other grains and seeds:									
24	Dry edible beans.....acres..	17	.....	30	2	1	2	9	1	8
25	.....bushels..	85	.....	252	11	7	18	17	7	31
26	Flaxseed.....acres..	.....	3	.....	27	110	.....	648	19	110
27	.....bushels..	.....	.....	.....	289	1,003	.....	4,282	125	737
28	Hay and forage:									
29	Total.....acres..	37,715	26,338	37,776	43,356	32,356	35,304	45,493	62,257	31,681
30	.....tons..	61,808	50,097	90,176	104,406	62,600	70,029	77,285	126,668	55,225
31	All tame or cultivated grasses.....acres..	27,463	20,252	24,789	28,221	16,944	27,222	16,937	40,488	18,535
32	.....tons..	33,554	31,447	39,073	55,219	29,290	47,317	21,066	80,153	23,431
33	Timothy alone.....acres..	10,280	6,849	4,387	6,329	5,497	8,553	4,888	6,761	7,773
34	.....tons..	13,913	8,540	5,780	8,320	6,789	12,466	5,742	9,325	8,906
35	Timothy and clover mixed.....acres..	15,678	5,010	17,025	17,901	10,038	9,337	10,458	15,766	9,772
36	.....tons..	17,663	6,618	27,055	38,706	20,298	15,286	13,067	26,229	12,410
37	Clover alone.....acres..	1,195	3,654	2,634	1,560	500	3,653	564	3,623	420
38	.....tons..	1,418	5,328	4,413	2,768	713	5,216	725	6,644	644
39	Alfalfa.....acres..	68	4,068	496	1,918	386	5,192	177	13,616	249
40	.....tons..	156	9,636	1,548	4,615	778	12,546	448	36,540	615
41	Other tame or cultivated grasses.....acres..	262	671	247	504	523	387	850	722	821
42	.....tons..	404	1,325	277	820	712	803	1,084	1,415	1,056
43	Wild, salt, or prairie grasses.....acres..	160	617	585	8,557	9,038	1,090	20,720	16,200	7,703
44	.....tons..	213	970	675	13,224	11,039	1,736	23,305	23,225	7,987
45	Small grains cut for hay.....acres..	884	1,260	405	38	74	1,786	97	268	67
46	.....tons..	895	2,176	364	55	147	1,057	199	493	65
47	Annual legumes cut for hay.....acres..	9	111	243	13	57	68	15	2,515	28
48	.....tons..	19	155	250	13	107	90	23	3,465	28
49	Silage crops.....acres..	1,430	1,246	4,143	1,900	1,228	627	2,457	1,570	1,585
50	.....tons..	9,291	7,820	34,690	18,775	10,813	6,555	13,464	15,416	11,923
51	Corn cut for forage.....acres..	7,461	2,464	7,501	3,954	4,786	5,079	5,108	7,65	3,690
52	.....tons..	16,937	6,472	14,769	14,933	10,527	11,965	13,852	2,729	11,676
53	Kafir, sorghum, etc., for forage.....acres..	308	378	90	673	229	378	157	449	60
54	.....tons..	899	1,032	192	2,187	677	1,230	370	1,178	180
55	Root crops for forage.....acres..	.....	10	20	.....	.....	32	2	2	13
56	.....tons..	.....	25	163	.....	.....	70	6	9	35
57	Vegetables:									
58	Potatoes (Irish or white).....acres..	262	499	1,017	1,002	949	952	726	1,433	888
59	.....bushels..	10,133	26,029	36,266	47,993	37,050	45,616	27,567	76,072	40,419
60	Other vegetables.....acres..	37	136	3,825	128	10	68	39	147	6
61	Miscellaneous crops:									
62	Sugar beets grown for sugar.....acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
63	.....tons..	162	85	104	.....	1	162	11	.....	43
64	Sorghum grown for sirup.....acres..	617	347	491	.....	3	998	34	.....	151
65	Sirup made.....gallons..	9,226	5,684	5,347	.....	31	19,817	403	.....	1,830
66	FRUITS.									
67	Small fruits:									
68	Total.....acres..	78	42	93	18	10	123	31	13	30
69	.....quarts..	70,388	31,015	118,253	15,683	11,157	93,396	35,389	16,122	34,904
70	Strawberries.....acres..	31	13	46	14	8	71	25	10	29
71	.....quarts..	43,435	17,830	84,812	13,854	9,135	56,730	31,108	12,894	80,876
72	Raspberries.....acres..	30	26	31	3	1	42	4	1	5
73	.....quarts..	20,552	10,132	24,181	1,354	907	30,525	2,698	1,488	2,004
74	Blackberries and dewberries.....acres..	15	2	15	1	.....	8	1	1	1
75	.....quarts..	5,010	2,013	8,177	318	561	4,683	689	929	1,003
76	Orchard fruits:									
77	Total.....trees not of bearing age..	11,387	7,623	10,805	3,770	5,647	10,580	5,809	8,864	7,051
78	.....trees of bearing age..	36,757	18,151	51,135	19,558	13,473	40,824	27,613	18,865	30,979
79	.....bushels harvested..	15,086	20,544	11,205	11,120	6,645	52,623	12,958	12,484	14,749
80	Apples.....trees not of bearing age..	7,334	5,032	6,801	3,002	3,707	10,515	3,728	6,016	5,268
81	.....trees of bearing age..	26,986	14,580	32,616	16,574	11,001	30,940	25,217	13,390	25,627
82	.....bushels harvested..	13,421	19,290	8,477	10,740	6,565	49,784	12,831	11,279	14,374
83	Peaches.....trees not of bearing age..	662	441	1,229	23	.....	1,549	.....	2	10
84	.....trees of bearing age..	1,375	528	4,080	.....	.....	2,555	.....	44	2
85	.....bushels harvested..	14	5	17	.....	.....	3	.....	.....	.....
86	Pears.....trees not of bearing age..	554	258	788	33	21	965	13	10	25
87	.....trees of bearing age..	1,562	266	2,404	6	80	1,329	2	17	33
88	.....bushels harvested..	270	91	669	1	5	420	.....	2	1
89	Plums and prunes.....trees not of bearing age..	1,095	485	738	484	1,481	1,011	1,735	1,725	901
90	.....trees of bearing age..	2,937	419	4,278	2,674	2,181	1,571	1,925	3,366	8,876
91	.....bushels harvested..	80	14	128	358	58	64	83	903	133
92	Cherries.....trees not of bearing age..	1,742	1,402	1,249	228	438	2,547	333	1,102	847
93	.....trees of bearing age..	3,897	2,353	7,757	304	211	4,429	469	2,048	1,442
94	.....bushels harvested..	1,301	1,136	1,914	27	17	2,352	44	300	191
95	Grapes.....vines not of bearing age..	3,379	1,286	1,963	275	227	3,698	551	544	915
96	.....vines of bearing age..	6,287	5,969	15,916	532	642	14,084	1,786	1,548	6,083
97	.....pounds harvested..	61,124	47,678	125,604	1,141	1,225	124,230	8,941	6,082	46,991

AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Polk.	Pottawat- tamiæ.	Powe- shiek.	Ringgold.	Sac.	Scott.	Shelby.	Sioux.	Story.	Tama.	Taylor.	Union.	Van Buren.	Wapello.	
10,473,042	17,062,121	10,001,064	5,778,698	12,561,259	8,854,435	10,766,847	17,120,668	11,305,141	11,058,874	6,645,162	4,705,642	4,811,114	5,616,073	1
8,584,124	13,075,179	7,854,395	4,439,025	9,799,610	6,502,107	9,152,884	14,626,313	9,650,787	8,794,933	5,328,997	3,488,134	3,150,971	4,155,885	2
30,806	68,460	236,167	221,443	20,181	121,492	51,438	6,033	16,386	122,974	94,473	180,035	195,655	73,525	3
1,086,557	2,431,599	1,566,952	926,424	1,501,739	1,502,822	1,257,521	2,108,985	1,387,763	1,780,042	926,526	778,029	1,106,491	961,458	4
441,640	539,520	253,315	119,069	1,189,580	638,025	255,724	361,069	179,950	284,950	204,496	130,520	189,659	209,101	5
310,840	342,032	79,151	59,544	42,096	89,989	47,282	18,263	58,086	58,797	79,033	113,785	63,500	193,155	6
13,069	4,731	11,084	15,593	2,053	.....	1,998	.....	12,259	8,178	11,637	9,139	14,838	22,949	7
186,508	312,031	164,401	129,078	201,102	134,883	193,285	308,147	205,124	200,778	149,418	102,141	86,760	99,195	8
0,651,768	10,544,680	6,549,414	3,578,090	8,679,150	4,887,842	7,530,451	12,692,790	8,330,042	7,589,480	4,114,890	2,868,720	2,532,592	3,077,383	9
103,679	195,028	103,124	70,096	112,446	69,289	114,865	108,270	123,469	115,016	83,250	59,901	48,325	53,005	10
4,426,105	7,005,833	4,650,302	2,345,964	5,816,414	3,380,556	5,427,085	7,959,848	5,441,191	4,882,318	2,690,474	1,863,969	1,620,561	2,086,129	11
42,232	51,507	54,041	35,213	82,027	24,114	55,716	111,818	75,622	75,266	30,919	28,197	23,017	19,330	12
1,600,660	1,842,047	1,768,057	960,421	3,210,804	706,525	1,796,741	4,353,211	2,772,732	2,507,905	931,376	816,522	685,611	523,764	13
39,458	54,083	6,023	22,804	2,783	22,944	15,367	19,681	5,315	6,442	33,321	11,560	12,788	25,085	14
708,516	810,870	106,650	259,994	36,680	505,455	127,454	184,752	98,251	95,366	467,702	152,231	198,493	444,071	15
134	0,499	785	219	3,597	15,395	6,777	8,162	252	3,677	447	1,418	150	354	16
2,181	238,810	17,233	4,283	108,459	252,428	167,761	189,369	7,062	95,442	9,881	25,594	2,090	6,074	17
895	2,555	305	638	92	3,113	283	109	287	215	1,422	927	2,266	1,149	18
13,150	40,135	4,351	5,751	1,373	42,323	3,810	2,476	5,139	3,547	14,067	7,860	20,000	11,577	19
22	.....	12	46	3	13	.....	.....	20	54	9	34	109	63	20
184	.....	306	552	50	320	.....	.....	400	1,072	96	278	965	845	21
8	1	.....	10	13	6	.....	1	3	2	5	7	46	16	22
69	6	.....	35	163	55	.....	17	21	25	24	20	344	32	23
.....	.....	.....	.....	20	.....	.....	13	.....	.....	.....	.....	.....	.....	24
.....	.....	.....	.....	80	.....	.....	200	.....	150	.....	.....	.....	.....	25
33,276	62,258	44,638	35,095	42,852	38,717	39,724	55,476	36,649	62,331	32,360	29,498	43,327	35,045	26
72,749	132,208	103,090	64,806	94,844	91,663	70,661	128,718	98,964	113,904	62,671	54,012	71,604	56,498	27
19,722	45,163	34,044	22,711	28,551	31,795	30,699	31,761	23,793	43,263	21,089	17,410	33,620	27,681	28
29,597	88,076	52,257	24,013	45,794	55,940	45,775	60,907	38,095	64,253	26,039	19,627	44,068	36,420	29
3,642	7,893	4,155	18,565	5,970	4,945	7,065	5,256	3,470	5,916	11,790	12,002	9,151	5,728	30
4,421	10,639	5,431	19,525	7,751	6,941	8,734	7,057	4,871	7,032	13,447	12,168	10,420	6,712	31
10,079	10,255	21,906	2,860	18,678	18,815	15,416	14,678	16,284	30,929	6,097	3,564	20,744	16,484	32
14,646	16,630	33,900	3,249	30,298	32,695	21,677	23,356	26,402	46,511	7,621	4,256	27,873	21,680	33
4,430	5,311	7,743	352	1,833	6,405	4,167	2,867	2,900	6,194	1,917	895	3,206	4,225	34
6,865	8,053	12,263	449	2,913	11,282	5,568	5,539	4,557	10,257	2,358	1,719	4,725	5,622	35
766	20,301	135	69	1,121	1,204	3,108	7,512	397	129	869	116	328	285	36
2,034	50,887	449	144	3,070	4,562	7,831	21,870	1,010	307	1,028	278	831	774	37
805	1,403	105	865	949	336	943	1,448	712	95	407	763	191	959	38
1,632	2,967	214	1,240	1,762	460	1,965	2,185	1,265	146	685	1,206	219	1,332	39
1,883	7,117	80	465	5,952	1,778	3,565	15,424	2,274	1,261	890	1,227	11	3	40
2,672	10,642	116	729	8,625	2,371	6,318	22,423	2,532	1,611	1,151	1,847	23	7	41
794	3,154	462	414	303	313	1,844	144	564	151	458	1,210	398	609	42
1,105	4,613	460	480	642	570	2,438	322	1,031	210	536	245	431	602	43
117	427	27	16	123	42	30	30	54	32	72	83	34	14	44
189	730	50	23	250	76	34	62	77	24	119	98	54	42	45
1,851	2,247	4,343	3,149	2,221	2,812	1,079	2,715	4,367	4,316	2,471	2,083	1,804	1,091	46
16,292	16,809	31,046	18,696	19,070	27,008	9,812	25,520	38,727	37,773	16,338	14,748	11,555	8,198	47
7,898	3,717	5,644	8,902	5,374	1,890	2,199	5,127	5,322	3,266	6,026	7,470	7,280	5,033	48
19,836	10,346	18,198	19,292	18,391	5,316	5,358	18,583	17,592	9,929	17,268	14,395	14,865	9,762	49
966	432	32	348	298	29	273	273	223	42	454	180	599	50	50
2,820	1,169	72	973	935	114	926	891	777	104	1,120	2,826	608	1,416	51
45	.....	.....	.....	30	49	.....	.....	112	20	.....	.....	.....	15	52
238	13	.....	237	178	.....	10	.....	123	.....	226	.....	61	53	53
952	2,245	827	205	977	3,124	1,234	1,363	249	1,210	1,046	461	609	741	54
33,201	98,093	35,107	12,099	50,943	106,134	53,732	73,123	11,609	54,335	34,864	17,890	21,264	30,054	55
3,263	540	693	53	14,825	782	254	78	1,647	410	24	58	122	246	56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
166	61	80	171	32	.....	21	.....	155	91	167	122	205	240	58
740	306	468	725	140	.....	103	.....	628	477	794	529	926	1,094	59
9,146	3,379	7,858	11,130	1,341	.....	1,420	.....	8,722	5,833	8,309	6,528	9,325	10,368	60
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61
227	169	87	33	36	139	37	12	54	78	38	40	78	231	62
218,646	82,038	105,918	21,472	29,715	203,061	17,837	8,312	73,887	78,918	40,990	45,602	81,490	547,555	63
87	33	44	25	18	56	19	8	40	40	22	21	41	118	64
131,540	24,087	80,735	10,414	22,266	120,742	8,865	6,071	63,262	58,693	32,257	34,483	64,588	435,024	65
95	104	16	4	13	54	11	3	11	25	6	8	22	82	66
65,080	37,618	10,440	1,329	4,409	56,262	2,941	1,336	8,897	11,113	2,549	5,833	9,617	85,443	67
35	23	25	4	4	18	6	1	2	11	10	13	12	12	68
12,243	10,441	13,128	3,271	2,212	8,330	5,014	645	768	8,134	5,566	5,063	5,408	6,768	69
9,608	18,523	12,373	15,552	5,407	20,721	9,435	6,417	7,715	12,985	13,979	9,263	18,499	12,956	70
107,727	89,998	48,309	28,293	26,311	59,708	32,317	17,812	24,503	33,358	34,123	34,448	80,038	83,495	71
84,048	98,585	17,837	22,787	15,551	14,300	17,791	7,779	10,407	14,223	31,038	47,073	15,926	28,195	72
5,131	12,260	9,254	10,002	4,009	11,682	6,713	4,282	5,496	9,030	5,492	12,872	12,979	8,417	73
87,876	71,594	37,023	19,479	22,957	31,970	26,903	14,507	20,594	26,198	30,370	26,306	50,330	60,103	74
74,975	92,771	14,667	21,249	15,209	11,418	16,891	7,468	14,671	12,144	30,155	45,409	6,947	22,058	75
291	513	454	1,676	11	2,993	40	32	22	101	1,187	1,069	2,031	1,192	76
428	534	1,561	2,504	28	7,545	20	.....	13	179	2,872	1,046	7,909	3,177	77
3	23	70	10	25	25	.....	.....	6	31	26	23	73	24	78
276	464	308	1,329	24	2,752	47	42	51	157	773	454	649	764	79
753	961	521	1,293	75	5,751	135	17	98	230	782	1,775	8,210	3,878	80
188	614	87	319	10	640	25	.....	12	37	181	771	4,070	1,082	81
1,815	1,368	824	879	521	1,445	1,082	1,480	758	2,000	911	617	655	588	82
4,795	3,785	3,323	1,918	1,588	5,0									

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

		Warren.	Washington.	Wayne.	Webster.	Winnebago.	Winne- shiek.	Woodbury.	Worth.	Wright.
VALUE OF ALL CROPS.										
1	Total.....dollars..	7,299,461	8,724,433	5,818,084	15,066,275	5,516,548	10,150,883	13,312,606	5,401,016	9,859,983
2	Cereals.....dollars..	6,099,614	6,813,404	4,161,992	13,648,061	4,089,204	6,687,533	10,106,688	3,508,732	8,080,160
3	Other grains and seeds.....dollars..	66,646	164,910	506,137	15,841	27,288	291,191	57,813	80,981	14,620
4	Hay and forage.....dollars..	1,221,775	1,425,115	1,022,694	1,008,442	1,287,073	2,727,449	2,511,379	1,567,300	1,420,916
5	Vegetables.....dollars..	157,763	217,708	74,234	321,293	85,001	367,770	569,231	178,554	221,588
6	Fruits and nuts.....dollars..	138,670	87,438	43,594	64,533	25,805	68,675	67,235	27,870	46,781
7	All other crops.....dollars..	14,993	15,798	9,433	8,105	2,177	8,265	260	39,570	75,918
SELECTED CROPS (acres harvested and production).										
8	Cereals:									
9	Total.....acres..	142,329	144,086	127,381	279,606	119,028	106,015	263,286	107,819	200,929
10	Corn.....bushels..	3,957,245	5,518,906	3,365,514	12,242,422	3,700,324	5,899,595	8,065,495	3,233,001	7,352,443
11	Oats.....acres..	67,008	91,241	69,267	149,093	58,110	70,332	163,278	41,054	100,805
12	Wheat.....bushels..	2,410,254	4,070,375	2,146,137	7,153,319	1,085,054	3,162,931	6,104,688	1,536,139	4,154,115
13	Barley.....acres..	20,020	42,891	37,894	121,661	49,464	68,777	62,317	52,852	89,219
14	Rye.....bushels..	550,267	1,253,924	946,183	4,934,599	1,561,624	2,212,473	1,638,893	1,469,530	3,112,637
15	Buckwheat.....acres..	63,396	8,609	19,157	7,069	6,544	13,837	35,898	6,483	2,761
16	Other grains and seeds.....bushels..	969,840	166,202	261,887	121,312	61,508	141,782	288,859	67,379	39,246
17	Barley.....acres..	619	198	157	1,046	2,768	8,846	1,341	2,016	1,839
18	Rye.....bushels..	10,777	4,556	1,775	29,964	52,075	224,703	28,159	36,107	40,270
19	Buckwheat.....acres..	855	263	764	50	47	474	411	236	137
20	Other grains and seeds.....bushels..	9,402	3,702	6,033	841	622	6,904	4,862	2,352	2,283
21	Dry edible beans.....acres..	18	63	41	25	113	57	12	191	48
22	Flaxseed.....bushels..	117	708	409	290	1,247	1,054	150	2,617	527
23	Hay and forage:									
24	Total.....acres..	39,556	43,455	40,868	36,473	43,520	78,008	62,591	50,242	45,403
25	All tame or cultivated grasses.....acres..	82,463	81,250	57,477	62,904	81,943	107,039	140,405	99,521	93,973
26	Timothy alone.....acres..	25,541	37,789	41,989	22,465	22,140	53,915	43,657	26,900	26,435
27	Timothy and clover mixed.....acres..	35,715	58,328	40,145	30,217	34,638	95,187	86,784	44,172	40,612
28	Clover alone.....acres..	8,974	6,201	36,411	7,387	5,095	11,451	3,949	9,247	8,005
29	Alfalfa.....acres..	9,835	8,900	32,436	8,939	7,032	17,434	5,005	14,798	12,317
30	Other tame or cultivated grasses.....acres..	10,942	23,583	5,273	12,434	14,197	40,406	10,789	10,184	17,192
31	Wild, salt, or prairie grasses.....acres..	18,073	37,004	5,318	17,155	23,123	73,330	13,923	27,039	26,608
32	Small grains cut for hay.....acres..	4,939	7,336	640	723	516	1,382	3,573	543	735
33	Annual legumes cut for hay.....acres..	6,351	12,079	975	1,048	913	2,912	4,676	1,112	886
34	Silage crops.....acres..	360	85	109	684	44	16	24,602	46	81
35	Corn cut for forage.....acres..	823	225	171	1,608	130	56	62,052	168	229
36	Kafir, sorghum, etc., for forage.....acres..	336	84	556	1,237	2,288	660	744	880	422
37	Root crops for forage.....acres..	633	120	745	1,867	3,440	905	1,128	1,055	572
38	Wild, salt, or prairie grasses.....acres..	996	26	100	9,000	14,909	5,782	10,447	12,916	6,945
39	Small grains cut for hay.....acres..	1,239	68	117	9,103	17,981	7,247	14,959	16,436	7,200
40	Annual legumes cut for hay.....acres..	417	256	398	220	76	85	2,172	82	128
41	Silage crops.....acres..	770	299	359	335	101	98	2,912	101	158
42	Corn cut for forage.....acres..	4	17	11	20	41	6	84	26	2
43	Kafir, sorghum, etc., for forage.....acres..	10	26	10	25	59	8	115	52	8
44	Root crops for forage.....acres..	3,213	1,634	908	1,618	2,512	4,012	2,962	2,971	3,195
45	Wild, salt, or prairie grasses.....acres..	22,374	13,778	5,978	13,923	19,355	32,146	26,652	23,470	23,672
46	Small grains cut for hay.....acres..	0,045	8,704	6,290	2,903	3,732	14,715	2,982	7,275	8,503
47	Annual legumes cut for hay.....acres..	21,270	8,711	10,368	8,361	9,491	32,176	8,283	15,078	21,393
48	Silage crops.....acres..	331	29	166	247	98	70	270	72	160
49	Root crops for forage.....acres..	992	49	494	940	284	110	661	212	390
50	Wild, salt, or prairie grasses.....acres..	9			12	23	23	17		35
51	Small grains cut for hay.....acres..	93			34	67	39			240
52	Vegetables:									
53	Potatoes (Irish or white).....acres..	499	623	81	821	938	1,244	1,734	1,095	1,051
54	Other vegetables.....bushels..	17,714	27,449	4,236	36,751	34,022	72,863	108,772	43,786	43,913
55	Other vegetables.....acres..	38	208	18	132	652	42	1,248	211	25
56	Miscellaneous crops:									
57	Sugar beets grown for sugar.....acres..								487	882
58	Sorghum grown for sirup.....acres..	193	163	220	100	22	98	4	3,354	6,517
59	Sirup made.....acres..	817	958	624	507	107	526	12	37	63
60	Sirup made.....gallons..	10,477	10,991	6,738	5,763	1,555	5,539	183	460	694
61	FRUITS.									
62	Small fruits:									
63	Total.....acres..	120	135	25	77	47	112	56	50	53
64	Strawberries.....acres..	110,744	131,264	24,351	51,070	39,871	124,062	50,149	51,063	59,476
65	Raspberries.....acres..	76	77	13	43	30	66	25	34	37
66	Blackberries and dewberries.....acres..	84,979	94,907	17,903	33,199	33,238	91,676	30,216	43,412	49,018
67	Orchard fruits.....acres..	24	42	2	22	11	29	15	14	10
68	Apples.....bushels..	14,816	28,672	1,344	10,764	4,449	25,413	7,749	5,960	6,303
69	Peaches.....acres..	19	14	4	4	5	13	9	2	4
70	Pears.....acres..	8,579	6,210	3,491	1,894	1,044	4,388	8,742	1,359	3,013
71	Orchard fruits:									
72	Total.....trees not of bearing age..	18,581	16,384	15,196	9,087	5,103	16,719	13,387	3,982	6,085
73	Apples.....bushels harvested..	100,327	64,201	31,458	37,805	22,297	46,321	49,509	23,367	25,662
74	Peaches.....trees not of bearing age..	47,622	19,871	14,785	22,887	8,134	19,061	24,362	8,000	15,210
75	Pears.....bushels harvested..	12,022	11,717	9,058	6,629	4,078	14,831	9,073	3,684	4,715
76	Cherries.....trees not of bearing age..	79,306	47,435	17,828	32,160	20,431	41,498	34,143	21,842	22,231
77	Plums and prunes.....bushels harvested..	40,226	15,653	12,420	21,862	8,065	19,329	21,666	7,953	14,895
78	Apples.....trees of bearing age..	2,176	1,331	3,402	15	2	18	34	3	4
79	Peaches.....trees of bearing age..	3,588	2,487	4,152	10		4	6		11
80	Pears.....trees of bearing age..	739	9							
81	Cherries.....bushels harvested..	502	690	412	32	14	30	127	2	34
82	Plums and prunes.....bushels harvested..	2,532	2,282	1,331	44	29	25	110	108	44
83	Apples.....trees not of bearing age..	1,108	543							
84	Peaches.....trees of bearing age..	1,219	1,064	791	1,120	788	1,325	1,881	232	723
85	Pears.....bushels harvested..	7,034	4,018	2,459	3,022	1,661	3,060	3,091	1,340	2,489
86	Cherries.....trees not of bearing age..	1,191	351	143	216	52	286	1,555	30	132
87	Plums and prunes.....trees of bearing age..	2,643	1,573	1,533	1,290	221	515	2,272	61	609
88	Apples.....bushels harvested..	7,855	7,999	5,188	2,574	186	734	7,159	71	887
89	Peaches.....bushels harvested..	4,356	3,315	2,083	899	17	40	1,138	8	183
90	Grapes:									
	Total.....vines not of bearing age..	4,319	3,796	2,166	1,614	232	778	2,874	38	1,373
	.....vines of bearing age..	14,749	20,022	6,037	7,929	441	1,608	11,431	437	3,939
	.....pounds harvested..	162,896	221,458	84,977	76,396	2,661	5,163	66,488	1,731	31,611

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

	THE STATE.	Adair.	Adams.	Allamakee.	Appanoose.	Audubon.	Benton.	Black-hawk.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	45,807	338	312	869	547	203	550	412
Number with mortgage debt.....	66,096	708	608	794	886	763	706	672
Number with no mortgage report.....	9,985	62	70	26	293	66	63	168
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	52,341	575	441	681	707	610	506	517
Value of land and buildings.....dollars..	1,814,260,136	20,365,440	13,723,414	14,041,955	11,467,382	24,824,249	21,850,575	18,029,260
Amount of mortgage debt.....dollars..	489,816,739	5,688,783	4,195,150	4,892,070	3,319,263	7,048,128	5,371,944	4,877,271
Ratio of debt to value.....per cent..	27.0	27.9	30.6	34.8	28.9	28.4	24.6	27.1
Average rate of interest paid.....per cent..	5.5	5.4	5.4	5.7	5.9	5.5	5.3	5.4
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting.....number..	136,682	1,157	876	1,391	1,118	1,144	1,942	1,492
Total expenditure.....dollars..	70,698,060	389,837	331,602	564,034	251,495	531,257	1,203,032	978,573
Amount in cash.....dollars..	52,942,172	297,712	239,150	409,761	208,586	420,545	909,430	740,582
Value of rent and board furnished.....dollars..	17,755,888	92,125	92,452	154,273	42,909	140,712	293,602	231,991
Fertilizer:								
Farms reporting.....number..	3,177	15	15	14	41	21	44	59
Amount expended.....dollars..	590,537	2,465	2,562	1,060	4,548	4,553	5,240	0,758
Feed:								
Farms reporting.....number..	147,605	1,619	1,325	1,069	1,253	1,371	1,800	1,715
Amount expended.....dollars..	70,068,535	1,095,027	883,035	214,246	508,152	742,580	732,637	889,570
	Boone.	Bremer.	Buchanan.	Buena Vista.	Butler.	Calhoun.	Carroll.	Cass.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	458	486	421	347	370	308	394	357
Number with mortgage debt.....	601	607	713	603	591	485	539	808
Number with no mortgage report.....	201	223	105	29	121	98	108	74
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	455	538	545	479	472	368	422	623
Value of land and buildings.....dollars..	15,972,040	11,193,387	13,966,463	24,211,049	14,984,383	10,250,320	21,159,520	27,037,735
Amount of mortgage debt.....dollars..	3,833,659	3,558,028	3,980,195	5,210,079	4,301,684	3,938,831	5,129,670	7,472,346
Ratio of debt to value.....per cent..	24.0	31.8	28.5	21.5	28.7	20.5	24.2	27.6
Average rate of interest paid.....per cent..	5.5	5.3	5.6	5.4	5.4	5.5	5.3	5.4
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting.....number..	1,601	1,079	1,369	1,577	1,238	1,534	1,490	1,422
Total expenditure.....dollars..	630,425	495,936	532,846	1,034,979	421,197	672,956	834,769	724,891
Amount in cash.....dollars..	476,358	353,512	388,745	737,393	313,984	443,243	620,858	554,123
Value of rent and board furnished.....dollars..	154,067	142,424	144,101	297,586	107,213	229,713	254,911	170,768
Fertilizer:								
Farms reporting.....number..	40	77	77	33	17	55	17	20
Amount expended.....dollars..	13,323	8,092	10,038	3,124	2,240	6,123	1,720	2,909
Feed:								
Farms reporting.....number..	1,733	1,446	1,068	1,321	1,552	1,329	1,519	1,705
Amount expended.....dollars..	495,918	587,288	681,721	538,973	630,887	216,104	735,407	1,619,762
	Cedar.	Cerro Gordo.	Cherokee.	Chickasaw.	Clarke.	Clay.	Clayton.	Clinton.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	552	314	260	561	319	272	1,143	597
Number with mortgage debt.....	693	559	445	633	459	560	986	845
Number with no mortgage report.....	14	54	40	73	104	19	79	191
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	602	426	293	439	456	433	869	699
Value of land and buildings.....dollars..	25,713,040	14,108,875	16,020,290	12,067,265	11,209,914	20,965,801	19,305,521	22,423,050
Amount of mortgage debt.....dollars..	7,441,475	4,378,974	3,831,173	3,513,158	3,718,171	5,464,865	5,655,328	7,004,988
Ratio of debt to value.....per cent..	28.9	31.0	23.9	29.1	33.2	26.1	29.3	31.2
Average rate of interest paid.....per cent..	5.3	5.5	5.3	5.6	5.6	5.4	5.4	5.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting.....number..	1,627	1,354	1,470	1,085	741	1,239	1,975	2,018
Total expenditure.....dollars..	1,019,003	662,229	867,988	332,724	331,637	735,964	816,431	1,414,412
Amount in cash.....dollars..	714,797	476,742	575,420	244,215	272,895	549,890	612,502	970,183
Value of rent and board furnished.....dollars..	304,206	185,487	292,568	88,509	58,762	186,074	203,929	444,229
Fertilizer:								
Farms reporting.....number..	30	53	28	34	8	5	15	32
Amount expended.....dollars..	3,200	5,602	4,372	2,257	2,395	583	1,447	5,609
Feed:								
Farms reporting.....number..	1,539	1,474	1,427	1,256	975	1,213	1,687	2,143
Amount expended.....dollars..	1,023,038	666,923	471,151	288,642	661,879	725,811	352,876	1,726,111

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

	Crawford.	Dallas.	Davis.	Decatur.	Delaware.	Des Moines.	Dickinson.	Dubuque.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
1 Number free from mortgage debt.....	341	471	511	306	555	699	85	593
2 Number with mortgage debt.....	851	639	805	862	699	558	315	811
3 Number with no mortgage report.....	124	109	239	177	124	84	22	128
For farms consisting of owned land only:								
4 Number of farms reporting amount of debt.....	717	469	637	667	573	416	264	700
5 Value of land and buildings.....dollars..	35,100,684	17,337,409	12,022,642	15,373,975	18,191,607	10,659,751	10,869,323	17,065,019
6 Amount of mortgage debt.....dollars..	10,242,395	4,293,107	3,151,074	4,789,028	4,961,153	3,051,124	2,696,178	5,129,020
7 Ratio of debt to value.....per cent..	29.2	24.8	26.2	31.2	30.6	28.6	24.8	30.1
8 Average rate of interest paid.....per cent..	5.3	5.5	5.8	5.8	5.5	5.6	5.4	5.4
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
9 Farms reporting.....number..	1,737	1,573	885	998	1,441	1,149	749	1,526
10 Total expenditure.....dollars..	1,036,981	940,760	247,245	371,549	649,884	552,870	351,301	780,520
11 Amount in cash.....dollars..	809,827	733,701	197,134	287,094	462,331	397,361	266,343	510,939
12 Value of rent and board furnished.....dollars..	277,154	207,059	50,111	84,455	107,553	155,509	84,958	269,611
Fertilizer:								
13 Farms reporting.....number..	17	31	17	33	38	38	8	45
14 Amount expended.....dollars..	9,254	11,279	309	5,968	4,448	5,477	601	9,637
Feed:								
15 Farms reporting.....number..	1,970	1,680	1,276	1,213	1,590	1,292	755	1,476
16 Amount expended.....dollars..	1,993,632	1,082,545	548,493	668,203	503,744	769,230	360,789	417,536
	Emmet.	Payette.	Floyd.	Franklin.	Fremont.	Greene.	Grundy.	Guthrie.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
1 Number free from mortgage debt.....	88	923	431	342	368	292	248	325
2 Number with mortgage debt.....	402	978	514	509	502	533	448	700
3 Number with no mortgage report.....	59	63	49	78	128	93	16	212
For farms consisting of owned land only:								
4 Number of farms reporting amount of debt.....	315	827	386	502	372	415	336	591
5 Value of land and buildings.....dollars..	12,222,146	19,124,069	10,834,443	19,161,991	13,553,862	20,024,302	17,837,170	20,010,411
6 Amount of mortgage debt.....dollars..	3,009,965	5,777,791	3,253,447	4,864,235	2,393,450	4,754,503	4,857,586	5,633,223
7 Ratio of debt to value.....per cent..	24.6	30.2	30.0	25.4	25.0	23.7	27.2	28.2
8 Average rate of interest paid.....per cent..	5.4	5.4	5.6	5.4	5.7	5.5	5.1	5.6
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
9 Farms reporting.....number..	888	1,916	1,196	1,409	1,239	1,356	1,309	1,370
10 Total expenditure.....dollars..	453,309	684,509	495,633	712,541	808,709	682,166	812,700	553,446
11 Amount in cash.....dollars..	343,725	490,002	393,131	535,640	654,991	515,299	603,975	437,683
12 Value of rent and board furnished.....dollars..	114,584	188,507	112,502	176,901	153,318	166,867	208,785	115,763
Fertilizer:								
13 Farms reporting.....number..	19	209	34	20	20	20	5	40
14 Amount expended.....dollars..	2,194	14,065	5,893	4,345	3,419	6,218	2,971	8,849
Feed:								
15 Farms reporting.....number..	848	2,212	1,349	1,593	1,240	1,355	1,283	1,686
16 Amount expended.....dollars..	335,694	574,049	383,387	907,601	1,166,267	679,422	564,653	1,195,203
	Hamilton.	Hancock.	Hardin.	Harrison.	Henry.	Howard.	Humboldt.	Ida.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
1 Number free from mortgage debt.....	312	241	374	482	613	462	146	109
2 Number with mortgage debt.....	709	549	629	1,014	626	505	533	375
3 Number with no mortgage report.....	120	99	29	142	64	72	42	21
For farms consisting of owned land only:								
4 Number of farms reporting amount of debt.....	551	431	527	755	476	379	418	315
5 Value of land and buildings.....dollars..	25,008,830	15,920,759	21,891,122	23,584,735	12,304,581	8,367,011	23,353,123	17,947,040
6 Amount of mortgage debt.....dollars..	6,104,611	4,139,366	5,861,625	7,045,754	3,021,295	2,523,877	5,530,787	5,212,137
7 Ratio of debt to value.....per cent..	24.4	25.0	27.4	29.9	24.4	30.2	23.7	29.0
8 Average rate of interest paid.....per cent..	5.4	5.5	5.4	5.7	5.6	5.6	5.5	5.2
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
9 Farms reporting.....number..	1,542	1,359	1,437	1,847	1,195	1,045	1,121	1,160
10 Total expenditure.....dollars..	865,372	772,404	785,407	895,935	481,066	328,876	740,767	1,093,469
11 Amount in cash.....dollars..	661,781	589,135	595,463	690,968	384,053	241,591	547,080	781,205
12 Value of rent and board furnished.....dollars..	203,591	183,269	199,939	204,967	117,013	87,285	193,687	312,264
Fertilizer:								
13 Farms reporting.....number..	53	137	31	21	24	14	22	9
14 Amount expended.....dollars..	5,256	11,031	4,216	8,687	4,747	1,310	3,286	2,589
Feed:								
15 Farms reporting.....number..	1,444	1,171	1,545	2,099	1,326	1,211	1,096	1,101
16 Amount expended.....dollars..	648,580	414,857	797,995	1,631,509	667,995	260,632	518,278	1,158,459

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

	Iowa.	Jackson.	Jasper.	Jefferson.	Johnson.	Jones.	Keokuk.	Kossuth.	
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	505	664	576	616	739	559	782	295	
Number with mortgage debt.....	809	828	974	647	848	714	961	938	
Number with no mortgage report.....	112	200	180	65	234	68	120	168	
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	622	622	724	504	693	619	681	755	
Value of land and buildings.....dollars..	20,625,837	15,039,188	29,083,485	12,526,952	23,276,121	19,219,997	20,224,401	32,430,917	
Amount of mortgage debt.....dollars..	6,321,346	4,903,816	8,678,133	3,674,109	6,948,755	6,362,157	5,539,108	7,808,701	
Ratio of debt to value.....per cent..	30.6	32.6	29.8	29.3	29.9	33.1	27.4	24.1	
Average rate of interest paid.....per cent..	5.5	5.5	5.4	5.7	5.6	5.4	5.6	5.4	
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,494	1,517	1,670	967	1,566	1,319	1,502	2,157	
Total expenditure.....dollars..	744,821	664,936	912,381	341,596	745,906	678,622	589,371	1,192,768	
Amount in cash.....dollars..	539,034	494,327	691,395	259,150	552,934	504,919	450,547	893,645	
Value of rent and board furnished.....dollars..	205,787	170,609	220,986	82,446	192,972	173,703	138,824	299,118	
Fertilizer:									
Farms reporting.....number..	14	19	35	31	28	17	22	50	
Amount expended.....dollars..	4,677	8,218	4,530	9,482	5,084	3,216	6,225	12,308	
Feed:									
Farms reporting.....number..	1,742	1,341	1,920	1,233	1,844	1,320	1,857	2,163	
Amount expended.....dollars..	1,263,182	572,476	1,299,592	473,693	954,696	822,162	998,495	960,212	
	Lee.	Linn.	Louisa.	Lucas.	Lyon.	Madison.	Mahaska.	Marion.	
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	915	1,080	372	446	237	370	641	543	
Number with mortgage debt.....	561	1,173	437	561	400	809	904	784	
Number with no mortgage report.....	116	40	70	88	21	166	171	139	
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	419	929	330	384	341	625	737	602	
Value of land and buildings.....dollars..	7,743,380	23,769,849	10,288,043	8,029,036	21,155,265	19,946,367	22,522,465	17,439,383	
Amount of mortgage debt.....dollars..	2,533,660	6,793,668	2,871,220	2,571,119	4,991,231	5,482,756	7,014,676	5,098,151	
Ratio of debt to value.....per cent..	32.7	28.6	27.9	32.0	23.6	27.5	31.1	29.2	
Average rate of interest paid.....per cent..	5.5	5.5	5.6	5.7	5.2	5.5	5.6	5.5	
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,352	2,079	920	779	1,517	1,343	1,442	1,293	
Total expenditure.....dollars..	479,010	781,787	558,767	263,206	1,183,631	578,966	624,202	588,288	
Amount in cash.....dollars..	358,142	584,512	413,050	216,953	907,191	463,494	489,437	402,057	
Value of rent and board furnished.....dollars..	120,868	197,275	145,717	46,253	276,440	115,472	134,765	186,231	
Fertilizer:									
Farms reporting.....number..	104	78	42	7	20	12	24	39	
Amount expended.....dollars..	6,792	15,150	3,708	495	5,428	1,334	3,345	12,335	
Feed:									
Farms reporting.....number..	1,537	2,510	1,036	1,059	1,120	1,558	1,838	1,652	
Amount expended.....dollars..	502,514	959,121	754,294	537,902	488,440	1,287,169	1,045,223	1,422,618	
	Marshall.	Mills.	Mitchell.	Monona.	Monroe.	Montgomery.	Muscatine.	O'Brien.	Osceola.
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	567	469	472	336	440	311	488	288	140
Number with mortgage debt.....	622	312	554	614	610	565	514	487	285
Number with no mortgage report.....	28	36	84	69	210	50	104	39	36
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	483	310	432	510	477	469	374	387	220
Value of land and buildings.....dollars..	19,328,206	11,691,385	11,914,393	15,411,190	7,829,899	19,280,844	12,079,152	21,974,529	10,979,357
Amount of mortgage debt.....dollars..	4,920,246	2,731,215	3,127,121	4,835,383	2,371,459	5,551,407	3,865,973	5,588,220	2,654,315
Ratio of debt to value.....per cent..	25.5	23.4	26.2	31.4	30.3	28.8	32.0	25.4	24.2
Average rate of interest paid.....per cent..	5.5	5.5	5.3	5.6	5.9	5.4	5.5	5.3	5.4
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,595	1,034	1,177	1,333	750	1,011	1,300	1,526	923
Total expenditure.....dollars..	922,107	681,153	597,153	836,542	180,345	736,604	352,549	1,072,818	483,921
Amount in cash.....dollars..	688,278	513,575	477,543	621,553	133,294	542,554	680,165	844,293	359,699
Value of rent and board furnished.....dollars..	233,829	167,578	119,610	214,989	42,051	194,050	172,384	228,525	124,222
Fertilizer:									
Farms reporting.....number..	26	11	31	9	29	18	89	21	6
Amount expended.....dollars..	15,469	5,449	13,191	1,682	3,077	6,138	22,718	5,663	992
Feed:									
Farms reporting.....number..	1,656	1,147	1,006	1,540	1,076	1,360	1,424	1,458	854
Amount expended.....dollars..	960,104	924,257	459,300	1,012,312	370,403	1,383,401	901,620	598,092	324,620

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

	Page.	Palo Alto.	Plymouth.	Pocahontas.	Polk.	Pottawattamie.	Poweshiek.	Ringgold.	Sac.
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	436	219	533	312	674	725	297	288	321
Number with mortgage debt.....	798	508	511	583	797	1,076	807	868	507
Number with no mortgage report.....	153	90	101	99	190	201	157	123	61
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	631	373	419	438	583	837	667	685	409
Value of land and buildings.....dollars..	25,961,142	14,896,260	21,818,295	22,394,966	17,416,471	31,007,702	28,814,527	16,678,313	23,035,900
Amount of mortgage debt.....dollars..	6,101,881	3,771,558	4,693,075	4,325,735	4,357,292	7,012,939	8,301,079	5,084,717	5,188,443
Ratio of debt to value.....per cent..	23.5	25.3	21.5	19.3	25.0	23.8	28.8	30.5	22.5
Average rate of interest paid.....per cent..	5.4	5.5	5.2	5.4	5.6	5.5	5.4	5.6	5.4
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,497	1,111	2,047	1,543	1,691	2,306	1,445	960	1,511
Total expenditure.....dollars..	690,608	474,165	1,237,495	899,549	1,017,493	1,744,122	810,428	314,227	1,074,342
Amount in cash.....dollars..	557,756	318,876	880,846	675,453	840,935	1,311,469	612,581	230,399	818,575
Value of rent and board furnished.....dollars..	132,862	155,289	356,649	224,096	176,558	432,653	197,847	83,828	255,767
Fertilizer:									
Farms reporting.....number..	24	18	28	19	50	33	16	19	16
Amount expended.....dollars..	10,518	2,587	8,857	7,613	19,028	7,390	3,792	2,548	8,051
Feed:									
Farms reporting.....number..	1,752	1,197	1,945	1,330	1,896	2,818	1,638	1,252	1,348
Amount expended.....dollars..	1,436,920	296,075	748,285	453,120	871,790	3,021,174	1,246,798	569,899	759,537
	Scott.	Shelby.	Sioux.	Story.	Tama.	Taylor.	Union.	Van Buren.	Wapello.
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	498	330	511	380	645	354	324	768	744
Number with mortgage debt.....	595	693	619	672	735	865	597	642	485
Number with no mortgage report.....	165	103	43	89	18	128	36	67	103
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	530	594	513	537	580	649	445	510	476
Value of land and buildings.....dollars..	14,272,430	32,265,961	30,475,934	30,021,622	25,235,136	19,944,371	11,189,546	10,201,816	10,534,021
Amount of mortgage debt.....dollars..	4,052,487	7,461,201	6,669,186	6,030,003	6,039,375	5,449,387	3,593,696	3,097,624	3,175,013
Ratio of debt to value.....per cent..	28.4	23.1	21.9	22.1	23.9	27.3	32.1	30.1	30.1
Average rate of interest paid.....per cent..	5.5	5.3	5.2	5.4	5.3	5.6	5.6	5.7	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,580	1,379	2,158	1,534	1,550	1,042	863	1,126	1,202
Total expenditure.....dollars..	1,036,886	951,262	1,469,906	957,277	898,684	330,867	260,314	343,382	451,113
Amount in cash.....dollars..	758,588	708,595	1,166,722	720,165	689,524	246,117	198,661	266,024	325,093
Value of rent and board furnished.....dollars..	278,307	242,667	303,184	231,112	209,160	84,750	70,653	76,758	125,420
Fertilizer:									
Farms reporting.....number..	82	13	18	26	17	18	19	32	42
Amount expended.....dollars..	15,071	3,005	3,134	21,869	6,010	2,621	8,177	3,994	4,026
Feed:									
Farms reporting.....number..	1,770	1,568	1,989	1,562	1,602	1,579	1,264	1,234	1,450
Amount expended.....dollars..	799,114	1,604,843	866,833	873,065	768,932	1,001,695	660,548	515,171	571,939
	Warren.	Washington.	Wayne.	Webster.	Winnebago.	Winne- shiek.	Wood- bury.	Worth.	Wright.
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	473	660	343	353	236	1,365	423	382	189
Number with mortgage debt.....	908	741	773	780	582	705	910	414	509
Number with no mortgage report.....	135	93	103	181	13	97	90	37	119
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	668	535	592	568	445	699	720	310	426
Value of land and buildings.....dollars..	16,404,157	19,020,747	15,528,970	26,761,023	14,205,360	15,367,511	29,161,725	8,810,755	18,771,347
Amount of mortgage debt.....dollars..	4,799,791	5,137,625	4,432,974	5,935,687	3,337,836	4,248,823	8,389,889	2,163,923	4,816,349
Ratio of debt to value.....per cent..	29.3	27.0	28.5	22.2	23.5	27.6	28.7	24.6	25.7
Average rate of interest paid.....per cent..	5.6	5.5	5.7	5.4	5.4	5.6	5.5	5.3	5.4
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,308	1,550	1,095	1,818	1,010	2,016	1,903	983	1,411
Total expenditure.....dollars..	515,125	778,939	401,025	1,007,536	424,573	810,885	1,377,926	378,272	690,498
Amount in cash.....dollars..	396,670	582,611	323,936	760,806	299,706	580,069	1,078,745	269,500	577,876
Value of rent and board furnished.....dollars..	118,455	216,328	77,089	246,730	124,867	230,816	299,181	108,772	112,622
Fertilizer:									
Farms reporting.....number..	15	41	25	21	11	22	39	31	48
Amount expended.....dollars..	911	4,305	3,327	2,301	1,125	2,778	13,193	9,894	4,891
Feed:									
Farms reporting.....number..	1,676	1,695	1,268	1,635	1,077	1,719	2,069	778	1,379
Amount expended.....dollars..	984,773	1,512,687	651,318	466,436	285,368	454,301	396,365	266,374	632,706

DRAINAGE—IOWA.

INTRODUCTION.

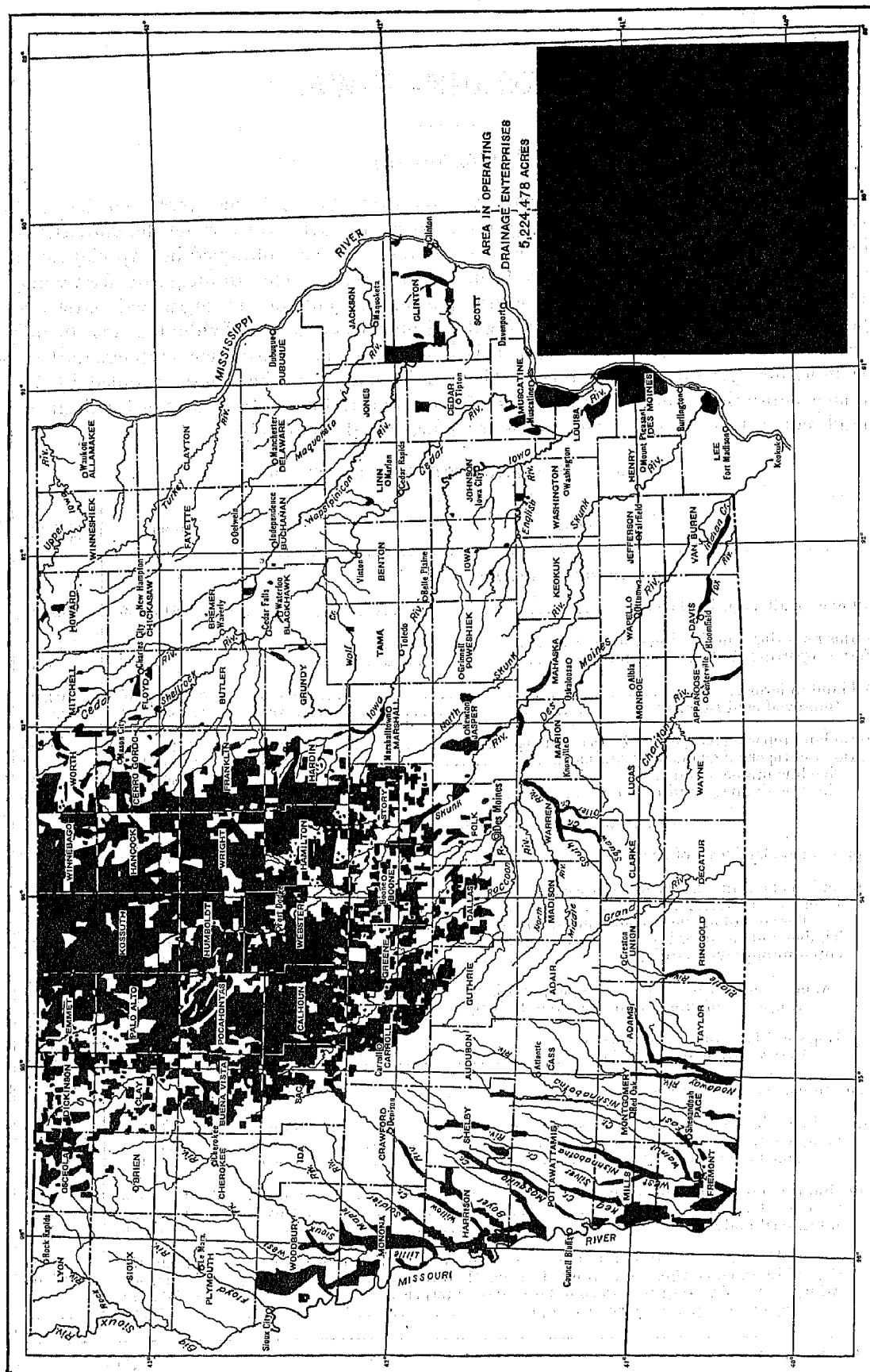
The following pages present the statistics of drainage for Iowa collected at the census of 1920. The figures relate to conditions on January 1, 1920, except where indicated otherwise. No census of drainage has been taken heretofore, so there are no comparable figures for previous years. The data relate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

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

TABLE 1.—SUMMARY FOR THE STATE: 1920.

ITEM.	Amount.	Per cent of total.
DRAINAGE ON FARMS.		
Number of all farms in the state.....	213,439	100.0
Farms reporting land having drainage.....	88,865	41.6
Farms reporting land needing drainage.....	56,083	26.3
All land in farms.....acres..	33,474,896	100.0
Improved land in farms.....acres..	28,606,951	85.5
Farm land reported as provided with drainage.....acres..	7,334,404	21.9
Farm land reported as needing drainage.....acres..	2,052,942	6.1
Needing drainage only.....acres..	1,661,744	5.0
Needing drainage and clearing.....acres..	391,198	1.2
DRAINAGE ENTERPRISES.		
Approximate land area of the state.....acres..	35,575,040	100.0
All land in operating drainage enterprises.....acres..	5,224,478	14.7
Improved land.....acres..	4,493,407	12.6
Per cent of all improved land in farms.....	15.7	
Timber and cut-over land.....acres..	74,652	0.2
Other unimproved land.....acres..	656,419	1.8
Swampy, subject to overflow, seeped, or alkali.....acres..	320,893	0.9
Suffering a loss of crops from defective drainage.....acres..	157,542	0.4
Improved land prior to drainage.....acres..	3,210,496	9.0
Increase since drainage began.....acres..	1,282,911	3.6
Land in nonoperating enterprises.....acres..	158,534	0.4
Open ditches in operating enterprises.....miles..	4,079.1	100.0
Completed.....miles..	3,998.0	98.0
Additional under construction.....miles..	81.1	2.0
Tile drains in operating enterprises.....miles..	11,153.5	100.0
Completed.....miles..	10,384.9	93.1
Additional under construction.....miles..	768.6	6.9
Total capital invested in and required for completion of operating enterprises...	\$54,169,878	100.0
Capital invested in these enterprises to Dec. 31, 1919.....	49,627,304	91.6
Additional capital required to complete these enterprises.....	4,542,574	8.4
Average cost per acre when completed.....	10.37	

APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES.



DRAINAGE ON FARMS.

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

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

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

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

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

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

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

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

DRAINAGE ENTERPRISES.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CLASS.	LAND.		CAPITAL. ¹			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All organized enterprises.....	5,383,012	100.0	\$49,649,775	100.0	\$6,858,477	
Operating enterprises.....	5,224,478	97.1	49,627,304	100.0	4,542,574	
With works completed.....	4,685,080	87.0	44,630,537	89.9		
With works under construction.....	539,398	10.0	4,996,767	10.1	4,542,574	
Nonoperating enterprises.....	158,534	2.9	22,471	(²)	2,315,903	

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

² Less than one-tenth of 1 per cent.

Location of enterprises.—The drainage enterprises in Iowa are located mostly in the central and north-central part of the state. There are some enterprises in the southeastern part and some along Missouri River, but comparatively few in the southern, eastern, and extreme northwestern counties.

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

DRAINAGE BASIN.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All organized enterprises.....	5,383,012	100.0	\$49,649,775	100.0	\$6,858,477	
Operating enterprises.....	5,224,478	97.1	49,627,304	100.0	4,542,574	
Big Sioux River.....	8,290	0.2	30,770	0.1	1,310	
Missouri River.....	856,531	15.9	8,078,698	16.3	499,930	
Des Moines River.....	2,687,073	49.9	25,490,561	51.3	1,529,770	
Iowa River.....	936,841	17.4	9,201,181	18.5	1,035,207	
Minnesota River.....	178,424	3.3	2,046,333	4.1	54,625	
Mississippi River.....	557,810	10.4	4,779,761	9.6	521,732	
Nonoperating enterprises.....	158,534	2.9	22,471	(¹)	2,315,903	
Big Sioux River.....	320	(¹)		(¹)	4,600	
Missouri River.....	19,622	0.4	1,085	(¹)	311,713	
Des Moines River.....	95,987	1.8	15,099	(¹)	1,350,743	
Minnesota River.....	20,758	0.4	5,386	(¹)	333,243	
Mississippi River.....	20,847	0.4	901	(¹)	315,704	

¹ Less than one-tenth of 1 per cent.

The pumping districts for drainage are almost entirely in the southeastern part of the state, along or near the Mississippi; but there are two near the Missouri in Fremont and Monona Counties.

Condition of land in enterprises.—The drainage enterprises in this state are generally for the improvement or protection of land already in farms, much of which was under some degree of cultivation before drainage was undertaken. In the low, level land along the Missouri, many of the natural watercourses are inadequate to carry the rapid run-off from the more hilly land to the eastward, and protection against overflow is necessary. In the northern part of the state, artificial works are needed to remove the drainage water from saucer-like depressions and to supplement the farm drainage installed by individual landowners.

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

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

CONDITION OF LAND.	OPERATING ENTERPRISES.				Non-operating enterprises (acres).
	Total.		Works completed (acres).	Works under construction (acres).	
	Acreage.	Per cent of all land.			
All land in enterprises.....	5,224,478	100.0	4,685,080	539,398	158,534
Improved land.....	4,493,407	86.0	4,075,026	418,381	84,722
Timber and cut-over land.....	74,652	1.4	71,023	3,624	4,350
Other unimproved land.....	656,419	12.6	539,026	117,393	69,462
Swampy or subject to over-flow.....	320,893	6.1	258,243	62,650	68,197
Suffering a loss of crops.....	157,642	3.0	145,474	12,068	5,068

Size of enterprises.—Presentation of the statistics by counties requires that an enterprise located in more than one county be divided, and the part in each county be considered a separate enterprise. In this way 2,883 operating drainage enterprises are counted in Iowa, with an average area of 2,048 acres assessed. Of this number, 110 comprise 10,000 acres or more each, 1010 comprise 1,000 to 5,000 acres, and 263 are smaller than 200 acres each. The assessed acreage exceeds the land in enterprises by 681,265 acres, which is the amount of overlapping. The land in enterprises and the assessed acreage on each line of Table 5 refer to the same enterprises. From the total area of each enterprise, designated as the assessed area, the net amount of overlapping with enterprises organized previously was deducted, to determine the area to be tabulated as land in enterprise.

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

SIZE GROUP.	Land in enterprises (acres).	ASSESSED AREA.	
		Acreage.	Per cent of total.
All operating enterprises.....	5,224,478	5,905,743	100.0
Less than 200 acres.....	19,676	31,256	0.5
200 to 499 acres.....	167,264	222,779	3.8
500 to 999 acres.....	409,317	500,458	8.5
1,000 to 4,999 acres.....	1,794,264	2,065,762	35.0
5,000 to 9,999 acres.....	928,723	1,005,124	17.0
10,000 to 49,999 acres.....	1,732,604	1,895,497	32.1
50,000 acres and over.....	172,570	184,867	3.1

Character of enterprises.—The drainage public enterprises in Iowa are legally known as drainage districts, and are organized in accordance with chapters 2 and 2-A of Title X of the Code of Iowa Laws (1897) and of the Supplements to the Code (1907 and 1913). These districts are established and controlled by the boards of supervisors of the counties in which the districts are located or, under some circumstances, by trustees elected by the landowners of the districts. The statistics include also figures for five enterprises under private ownership. The information secured regarding districts embracing about one-third of the total acreage reported was not sufficiently definite to determine under just what laws those enterprises were organized.

Drainage districts organized under sections 1939 to 1989 of the code (ch. 2, T. X), as amended, are each established upon petition from a majority of the residents of the county who own land abutting upon the proposed improvement, if the county board of supervisors finds that the undertaking will be conducive to the public welfare. Before public hearing is held and establishment is granted or denied, the county surveyor or an engineer appointed by the county auditor makes a survey, plan of drainage, and estimate of the cost, and submits a report regarding the practicability and utility of the project. Damages are assessed by three appraisers appointed by the county auditor. The same official appoints three persons whose duty it is to classify the land as dry, low, wet, and swamp, and to make an equitable apportionment of the total cost of the enterprise. Hearings are held by the supervisors before they confirm the assessments of damages and the apportionment of cost, which before confirmation may be amended by the supervisors and afterwards are subject to appeal to the district court. Contracts for construction are let by the county auditor. Drainage bonds may be issued by the supervisors, to run not exceeding 15 years, payable only from taxes levied against the land in the district for which the issue was made. For an improvement in more than one county, each board of supervisors affected appoints a commissioner who acts with the commissioners from the other counties in appointing the engineer and in formulating

the drainage plan and report, and thereafter each county acts independently.

This chapter of the code embraces, in amended form, sections 1207 to 1216 of the code of 1873, requiring petition from a majority of the residents of the county owning land abutting on the proposed improvement, and chapter 186 of the laws of 1884, authorizing the drainage of wet or overflowed land upon petition from any 100 voters of the county. It embraces also chapter 46 of the laws of 1896, providing for establishing districts to aid in building and maintaining protection and drainage works in cases where the United States has undertaken the construction of levees. Proceedings under the statute of 1896 are initiated by petition from one or more owners of land within the proposed district. The chapter provides for establishing private drains across the land of objecting owners. Upon petition for such a drain, the township trustees hold hearing, decide the necessity for the improvement, award damages, and determine the location and depth of the drain.

Drainage districts may be organized under sections 1989a 1 to 1989a 79 (ch. 2-A, T. X) upon petition from one or more landowners to be affected. This chapter is the act of April 29, 1904 (ch. 68), with amendments and additions. An engineer appointed by the county board of supervisors prepares a plan of drainage, estimates the cost, and recommends the boundaries of the district. After public hearing upon the petition and the engineer's report, the supervisors may establish the district. Damages are awarded by three appraisers appointed by the county auditor. The cost is apportioned according to benefits as determined by three commissioners appointed by the supervisors, the parcel of land to receive most benefit being graded 100 per cent and the other parcels proportionately. Damages and benefits are subject to review by the county supervisors at public hearing, and then to appeal to the district court. Contracts for construction are let by the supervisors, who may issue drainage bonds to run not more than 20 years, to be paid in each instance by taxes against the district for which they are issued. For the drainage of their own land persons may sign an agreement covering the location and character of the work to be done, the classification of the land, and the amount of taxes to be paid. When this agreement has been filed with the county auditor, the county supervisors establish the district in accordance therewith and take control as over other districts. Subdistricts may be established within drainage districts in the same manner as drainage districts. For a district in more than one county, petition is filed in each county and the boards of supervisors act jointly. In case one or more of the boards of supervisors fail to act, proceedings may be transferred to the district court of any county in which a part of the district is situated.

Drainage pumping stations may be established in any district established under the chapter 2-A, upon petition from one-third of the landowners to be benefited, and in districts established under the chapter 2 upon petition from 50 per cent of the landowners (sections 1989a 49 and 1989a 52). Any drainage district operating a pumping station may be placed under control of three trustees to be elected by the landowners in the district, upon petition from a majority of those owners, after the drainage works have been constructed. Any district not operating a pumping plant, but which has cost \$100,000 or more and of which less than 25 per cent has been spent for tile construction, may similarly be placed under control of elected trustees upon petition from a majority of the landowners holding a major part of the acreage in the district.

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

CHARACTER OF ENTERPRISE.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All drainage enterprises.....	5,383,012	100.0	\$49,649,775	100.0	\$6,858,477	
Operating enterprises.....	5,224,478	97.1	49,627,304	100.0	4,542,574	
Drainage districts.....	5,211,683	96.8	49,460,193	99.6	4,542,574	
1873 Code, sec. 1207 to 1216.....	64,574	1.2	163,708	0.3		
Laws of 1884, ch. 188.....	31,611	0.6	69,586	0.1		
1897 Code, sec. 1939 to 1989.....	558,553	10.4	2,996,237	6.0	71,295	
Laws of 1904, ch. 68.....	2,073,155	38.5	19,649,964	39.6	1,566,245	
1907 Supp. sec. 1939 to 1989 ¹	1,050,031	19.5	9,568,804	19.3	47,755	
1907 Supp. sec. 1989a 1 to 1989a 53 ¹	141,355	2.6	777,866	1.6		
1913 Supp. sec. 1939 to 1989 ¹	776,811	14.4	10,130,544	20.4	1,580,026	
1913 Supp. sec. 1989a 1 to 1989a 60 ¹	515,593	9.6	6,133,484	12.4	1,277,253	
Individual ownership.....	12,795	0.2	167,111	0.3		
Nonoperating enterprises.....	158,534	2.9	22,471	(2)	2,315,903	
Drainage districts.....	153,534	2.9	22,471	(2)	2,315,903	
1897 Code, sec. 1939 to 1989.....	822	(2)	1,121	(2)	14,576	
Laws of 1904, ch. 68.....	16,045	0.3	9,101	(2)	258,865	
1907 Supp. sec. 1939 to 1989 ¹	158	(2)			645	
1913 Supp. sec. 1939 to 1989 ¹	116,037	2.2	10,930	(2)	1,457,909	
1913 Supp. sec. 1989a 1 to 1989a 60 ¹	25,472	0.5	1,319	(2)	583,908	

¹ Most of the districts tabulated as formed under sections 1939 to 1989 of the Code Supplements of 1907 and 1913 were reported merely as organized under chapter 2 of Title X of the Supplements. At least some of those districts are organized under chapter 2-A (secs. 1989a 1 to 1989a 60).

² Less than one-tenth of 1 per cent.

The first drainage law of Iowa was approved February 5, 1851, providing for the election of a swamp land commissioner to acquire the swamp land granted to the state by Congress in 1850. This statute was repealed in 1853, and the swamp land was given to the counties in which it was situated. An act of April 15, 1870, provided for condemning right of way by one owner across the land of another, upon petition to the township trustees. The first drainage district law was enacted April 24, 1872, which became sections

1207 to 1216, code of 1873. Originally applicable only to counties of 10,000 or more population, it was made applicable in counties of 5,000 population in 1876.

Nearly every general assembly has amended the drainage laws, usually in several respects. Most of the changes affect details of the method of procedure in completing the organization and the construction work, but there have been some changes in the number of signatures required on petitions. The provisions described herein are those effective January 1, 1920.

Drainage works.—The total works completed by drainage enterprises to December 31, 1919, comprised 3,998.0 miles of open ditches, 10,384.9 miles of tile drains, and 45.2 miles of levees; the additional lengths under construction were 81.1 miles of open ditches and 768.6 miles of tile drains. These figures do not include drains or levees installed by individual farm owners supplemental to the works of the enterprises, nor the works of flood-protection or levee districts that had not undertaken the construction of ditches or tile drains. There are eight pumping districts among the operating drainage enterprises in the state, all equipped with centrifugal pumps.

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

KIND OF WORKS.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All kinds.....	5,224,478	100.0	\$49,627,304	100.0	\$4,542,574	
Open ditches only.....	1,294,243	24.8	8,315,459	16.8	540,681	
Open ditches and levees.....	26,228	0.5	673,770	1.4		
Tile drains only.....	1,421,176	27.2	19,297,008	38.9	1,679,468	
Open ditches and tile drains.....	2,444,906	46.8	21,111,775	42.5	2,312,425	
Open ditches, tile drains and levees.....	37,925	0.7	229,262	0.5	10,000	

¹ Includes 6,000 acres having tile drains and levees.

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

TYPE OF DRAINAGE.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All operating enterprises.....	5,224,478	100.0	\$49,627,304	100.0	\$4,542,574	
Gravity drainage only.....	5,085,312	97.3	48,432,112	97.7	4,542,574	
All drainage by pumping.....	79,686	1.5	778,770	1.6		
Part gravity and part pumping.....	59,480	1.1	366,422	0.7		
Total area served by pumps...	134,616					

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

KIND OF POWER.	ENGINE CAPACITY.		PUMP CAPACITY.		AREA SERVED.	
	Horse-power.	Per cent of total.	Gallons per minute.	Per cent of total.	Acreage.	Per cent of total.
All operating enterprises.....	3,153	100.0	530,800	100.0	134,618	100.0
Steam.....	1,400	44.4	209,300	39.4	60,717	45.1
Electric.....	1,700	53.9	302,500	57.0	39,821	29.6
Internal-combustion.....	53	1.7	19,000	3.6	1,450	1.1
Not reported ¹					32,628	24.2

¹ Enterprises under construction, pumping plants not installed.

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

In County Table II, line 16 shows the mean depth of branch ditches (open ditches only), which is a very crude indication of the depth of soil drainage that may be obtained in the enterprises as determined by the depth of outlet provided for farm drains. The mean depth was computed by giving each separate depth a weight in proportion to the acreage it serves. As most enterprises reported depths in whole numbers only, the occasional decimals were omitted in making these computations. Depths 10 feet and greater were omitted because it seemed that they did not represent so well the average depths of outlet provided for all the farms in those districts. To include this group, computed as 10 feet, would make the mean depth for the state 6.6 instead of 6.5 feet.

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

DEPTH OF BRANCH DITCHES.	Acreage.	Per cent of total.
All operating enterprises.....	5,224,478	100.0
3.0 to 3.9 feet.....	47,215	0.9
4.0 to 4.9 feet.....	57,522	1.1
5.0 to 5.9 feet.....	240,846	4.6
6.0 to 6.9 feet.....	697,076	13.3
7.0 to 7.9 feet.....	295,630	5.7
8.0 to 8.9 feet.....	301,129	5.8
9.0 to 9.9 feet.....	146,912	2.8
10 feet and more.....	93,164	1.8
Not reporting branches.....	3,344,984	64.0

Maintenance of works.—The drainage district act of 1904 (ch. 68) makes it the duty of the county

boards of supervisors to keep in repair the works of all districts organized under that act, except that districts under the control of elected trustees are to be maintained by those trustees. The cost of repairs and maintenance is to be assessed against the land in the same proportion as the original cost, except when additional land is to be benefited. That statute requires that the supervisors shall have an engineer inspect the drains at least once each year, and report regarding the condition of them.

For districts established under sections 1939 to 1954 of the code, repairs are made and the cost is apportioned in the same manner as for establishing and assessing new enterprises. For districts formed under sections 1975 to 1989 of the code, the county supervisors may maintain the works and levy assessments against the real estate of the respective districts, but such assessment may not exceed 50 mills on the dollar unless the work is authorized by petition and proceedings similar to the requirements for inaugurating new work.

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

METHOD OF MAINTENANCE.	LAND.		CAPITAL.		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All operating enterprises.....	5,224,478	100.0	\$40,627,304	100.0	\$4,542,574
By district forces.....	2,680,030	51.3	20,898,403	51.2	2,559,242
By contract.....	1,327,323	25.4	11,087,882	27.3	379,083
Method not specified ¹	9,603	0.2	132,053	0.3	.....
No maintenance provided.....	775,540	14.8	6,718,904	16.5	1,175,464
Not reported.....	431,982	8.3	4,790,002	9.7	428,785

¹ Includes 6,000 acres maintained by landowners.

Date of organization.—The progress in drainage development is shown only roughly by the dates of the organization of enterprises, which are the dates when the districts were established by the county courts, since there may be a period of one or more years between the decree of establishment and the beginning of actual construction, and since the work of construction may occupy several years in a large district. It was not practicable, however, for the census to secure data as to the time of the beginning or the completion of the drainage works. Under the date of organization are tabulated the entire area, works, and capital of each enterprise, even including extensions made after the original plan of reclamation was completed.

TABLE 12.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	LAND.		AREA ASSESSED.	
	Acreage.	Per cent of total.	Acreage.	Per cent of total.
All operating enterprises.....	5,224,478	100.0	5,905,743	100.0
1870 to 1879.....	3,400	0.1	3,400	0.1
1880 to 1889.....	14,782	0.3	14,782	0.3
1890 to 1899.....	71,216	1.4	72,614	1.2
1900 to 1904.....	385,688	7.4	399,548	6.8
1905 to 1909.....	1,659,438	31.8	1,805,083	30.6
1910 to 1914.....	1,629,897	31.2	1,861,228	31.5
1915 to 1919.....	1,447,240	27.7	1,736,119	29.4
Not reported.....	12,811	0.2	12,969	0.2

TABLE 13.—CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	CAPITAL.		
	To Dec. 31, 1919.		Additional required to complete.
	Amount.	Percent of total.	
All operating enterprises.....	\$49,627,304	100.0	\$4,542,574
1870 to 1879.....	34,388	0.1	.....
1880 to 1889.....	20,660	0.1	.....
1890 to 1899.....	217,848	0.4	.....
1900 to 1904.....	2,019,819	4.1	.....
1905 to 1909.....	11,288,616	22.7	46,681
1910 to 1914.....	17,200,526	34.8	60,431
1915 to 1919.....	18,619,833	37.5	4,400,918
Not reported.....	129,614	0.3	84,594

TABLE 14.—DRAINS AND LEVEES (COMPLETED AND UNDER CONSTRUCTION) IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	DITCHES.		TILE.		LEVEES.	
	Miles.	Per cent of total.	Miles.	Per cent of total.	Miles.	Per cent of total.
All drains and levees..	4,079.1	100.0	11,153.5	100.0	45.2	100.0
1870 to 1879.....	3.7	0.1	.....	.....	.....	.....
1880 to 1889.....	24.7	0.6	5.5	(1)	.....	.....
1890 to 1899.....	136.5	3.3	21.8	0.2	.....	.....
1900 to 1904.....	364.0	8.9	133.3	1.2	.....	.....
1905 to 1909.....	1,599.7	38.5	1,987.0	17.8	1.1	2.4
1910 to 1914.....	1,041.9	25.5	4,422.5	39.7	14.4	31.9
1915 to 1919.....	930.5	22.8	4,547.0	40.8	21.7	48.0
Not reported.....	8.1	0.2	36.4	0.3	8.0	17.7

(1) Less than one-tenth of 1 per cent.

Crops.—The principal crops grown upon the drained land in drainage enterprises are corn and hay. Data were not secured to show the part of each enterprise planted to any crop, so the enterprises have been classified according to the principal crop, and the total area of improved land is shown thus classified, in County Table II. No data were secured at the general census of agriculture to separate the crops grown upon land drained artificially from those produced upon land drained naturally.

COUNTY TABLE I.—DRAINAGE ON FARMS: 1920.

		THE STATE.	Adair.	Adams.	Appa- noose.	Audubon.	Benton.	Black- hawk.	Boone.
1	Number of all farms in the state or county.....	213,439	2,113	1,629	2,283	1,818	2,562	2,358	2,541
2	Farms reporting land having drainage.....	88,865	1,124	617	85	718	1,912	1,031	1,936
3	Farms reporting land needing drainage.....	56,083	1,001	408	101	445	1,277	1,009	1,111
4	Farms in drainage and levee districts.....	20,658	1	11	46	2	3	20	773
LAND AND FARM AREA.									
5	Approximate land area of the state or county.....acres.	35,675,040	366,720	273,280	328,320	283,520	455,680	361,600	364,160
6	All land in farms.....acres.	33,474,896	346,943	265,499	309,041	277,570	431,483	339,771	340,844
7	Improved land in farms.....acres.	28,606,951	320,926	242,020	241,524	260,992	376,818	282,625	286,873
8	Woodland in farms.....acres.	2,295,274	10,789	14,868	42,287	7,055	20,532	19,332	30,205
9	Other unimproved land in farms.....acres.	2,572,671	15,228	8,611	25,230	9,523	34,133	37,814	23,796
10	Farm land reported as provided with drainage.....acres.	7,334,404	47,236	26,790	3,791	13,791	155,257	60,901	181,302
11	Farm land reported as needing drainage.....acres.	2,052,942	27,467	12,145	5,354	9,207	38,701	35,065	37,131
12	Drainage only.....acres.	1,661,744	22,942	7,431	2,146	5,948	32,580	32,004	31,622
13	Drainage and clearing.....acres.	391,198	4,525	4,714	3,208	8,259	6,121	8,061	5,509

		Bremer.	Buchan- an.	Buena Vista.	Butler.	Calhoun.	Carroll.	Cass.	Cedar.	Cerro Gordo.
1	Number of all farms in the county.....	2,018	2,232	2,055	2,244	2,060	2,087	2,182	2,212	1,944
2	Farms reporting land having drainage.....	367	961	1,725	577	1,664	1,105	793	1,650	1,224
3	Farms reporting land needing drainage.....	828	1,275	663	647	522	828	746	698	1,040
4	Farms in drainage and levee districts.....	7	4	864	7	917	307	6	31	593
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres.	277,760	362,880	365,440	369,280	363,520	365,440	360,960	364,800	362,880
6	All land in farms.....acres.	283,396	341,855	351,479	348,802	349,731	355,380	355,479	346,658	336,776
7	Improved land in farms.....acres.	206,816	280,501	326,109	307,515	330,173	327,420	326,041	307,577	274,819
8	Woodland in farms.....acres.	15,060	15,190	6,930	14,995	4,428	7,022	12,113	20,630	15,146
9	Other unimproved land in farms.....acres.	41,520	46,164	18,440	26,382	15,130	20,938	16,725	18,451	46,811
10	Farm land reported as provided with drainage.....acres.	7,683	41,290	190,611	22,265	240,105	73,020	20,878	117,917	94,446
11	Farm land reported as needing drainage.....acres.	23,049	46,797	21,105	22,440	20,397	21,296	19,823	17,994	59,735
12	Drainage only.....acres.	18,709	34,771	18,013	18,584	18,881	20,281	14,312	9,202	53,244
13	Drainage and clearing.....acres.	4,340	12,026	2,192	3,856	1,516	1,015	5,511	8,792	6,491

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COUNTY TABLE I.—DRAINAGE ON FARMS: 1920—Continued.

	Cherokee.	Chickasaw.	Clay.	Clayton.	Clinton.	Crawford.	Dallas.	Davis.
1 Number of all farms in the county.....	1,844	2,003	1,769	3,101	2,729	2,444	2,320	2,089
2 Farms reporting land having drainage.....	729	358	1,230	71	1,222	97	1,607	79
3 Farms reporting land needing drainage.....	407	882	661	191	706	140	813	135
4 Farms in drainage and levee districts.....	2	5	482	1	231	10	414	46
LAND AND FARM AREA.								
5 Approximate land area of the county.....acres..	366,720	318,080	360,320	487,080	442,240	457,000	376,960	320,640
6 All land in farms.....acres..	352,003	299,881	341,029	403,749	420,592	438,369	355,359	303,700
7 Improved land in farms.....acres..	306,883	231,975	237,642	327,399	365,842	406,952	300,949	245,718
8 Woodland in farms.....acres..	7,998	14,448	8,518	94,533	24,060	18,123	23,576	43,617
9 Other unimproved land in farms.....acres..	37,122	53,458	44,869	41,817	30,600	13,294	26,834	11,305
10 Farm land reported as provided with drainage.....acres..	34,582	8,668	120,885	1,385	59,844	2,501	160,194	3,294
11 Farm land reported as needing drainage.....acres..	11,641	26,732	34,701	5,286	25,311	2,298	25,353	4,650
12 Drainage only.....acres..	11,198	19,230	32,933	1,757	20,871	2,025	19,807	1,101
13 Drainage and clearing.....acres..	443	7,496	1,768	3,529	4,440	273	5,546	3,549
	Decatur.	Delaware.	Des Moines.	Dickinson.	Dubuque.	Emmet.	Fayette.	Floyd.
1 Number of all farms in the county.....	2,029	2,284	1,926	1,043	2,372	1,193	3,157	1,916
2 Farms reporting land having drainage.....	61	645	1,062	804	158	1,051	607	631
3 Farms reporting land needing drainage.....	160	913	266	710	254	598	1,545	544
4 Farms in drainage and levee districts.....	14	3	154	310	9	541	4	85
LAND AND FARM AREA.								
5 Approximate land area of the county.....acres..	341,120	365,440	261,760	240,640	334,640	261,520	403,360	316,800
6 All land in farms.....acres..	322,246	347,787	243,516	208,396	336,017	232,053	437,626	295,458
7 Improved land in farms.....acres..	284,154	278,610	181,069	136,890	269,830	200,675	336,346	254,433
8 Woodland in farms.....acres..	40,484	28,246	35,682	3,550	52,453	5,558	28,467	14,788
9 Other unimproved land in farms.....acres..	17,608	40,931	26,765	17,956	43,734	25,820	72,813	26,237
10 Farm land reported as provided with drainage.....acres..	2,776	22,894	100,814	84,439	3,830	145,888	20,688	31,602
11 Farm land reported as needing drainage.....acres..	4,662	31,727	12,390	45,825	6,627	34,260	51,129	18,144
12 Drainage only.....acres..	1,324	24,789	8,533	42,573	4,500	31,318	39,812	13,961
13 Drainage and clearing.....acres..	3,338	6,938	3,857	3,262	2,127	2,942	11,317	4,183
	Franklin.	Fremont.	Greene.	Grundy.	Guthrie.	Hamilton.	Hancock.	Hardin.
1 Number of all farms in the county.....	2,040	1,858	2,059	1,725	2,315	2,181	1,875	2,129
2 Farms reporting land having drainage.....	1,481	304	1,769	1,173	1,027	1,990	1,354	1,476
3 Farms reporting land needing drainage.....	1,110	175	681	928	838	645	934	827
4 Farms in drainage and levee districts.....	707	169	684	8	58	1,239	723	445
LAND AND FARM AREA.								
5 Approximate land area of the county.....acres..	369,920	324,480	367,360	320,640	380,800	364,800	304,800	364,160
6 All land in farms.....acres..	356,479	233,658	339,050	313,516	357,986	353,009	345,713	350,027
7 Improved land in farms.....acres..	300,002	254,475	305,840	281,303	316,765	300,765	300,765	300,986
8 Woodland in farms.....acres..	11,559	14,800	14,394	3,110	32,955	13,205	8,584	24,535
9 Other unimproved land in farms.....acres..	38,868	14,383	18,816	29,103	38,225	23,109	38,374	24,506
10 Farm land reported as provided with drainage.....acres..	156,488	25,653	201,675	73,998	57,065	254,872	154,493	145,748
11 Farm land reported as needing drainage.....acres..	48,952	9,896	23,085	29,931	26,637	23,993	55,719	28,675
12 Drainage only.....acres..	43,861	6,886	21,225	29,205	16,400	21,912	49,526	23,105
13 Drainage and clearing.....acres..	5,091	3,010	1,860	776	10,228	2,041	6,193	3,570
	Harrison.	Henry.	Howard.	Humboldt.	Ida.	Iowa.	Jackson.	Jasper.
1 Number of all farms in the county.....	2,881	1,989	1,708	1,380	1,398	2,256	2,327	2,946
2 Farms reporting land having drainage.....	311	819	320	1,256	246	1,569	97	1,541
3 Farms reporting land needing drainage.....	277	133	832	538	153	865	187	725
4 Farms in drainage and levee districts.....	262	2	49	768	.....	6	2	53
LAND AND FARM AREA.								
5 Approximate land area of the county.....acres..	442,240	273,280	299,520	275,840	275,200	373,120	404,480	467,200
6 All land in farms.....acres..	414,961	252,368	280,807	254,844	270,906	360,634	392,339	439,155
7 Improved land in farms.....acres..	330,633	201,173	232,451	235,655	258,787	312,071	266,453	385,825
8 Woodland in farms.....acres..	35,451	27,399	11,644	8,333	4,403	31,962	78,577	29,576
9 Other unimproved land in farms.....acres..	48,877	23,796	36,812	10,856	7,716	16,801	47,809	23,754
10 Farm land reported as provided with drainage.....acres..	27,579	70,039	10,178	156,801	6,473	102,511	3,272	92,797
11 Farm land reported as needing drainage.....acres..	9,733	3,914	42,005	29,321	2,791	10,220	8,577	22,435
12 Drainage only.....acres..	4,626	2,513	39,722	27,873	2,674	10,291	1,811	16,957
13 Drainage and clearing.....acres..	5,107	1,401	2,283	1,448	117	2,938	2,266	5,478
	Jefferson.	Johnson.	Jones.	Keokuk.	Kossuth.	Lee.	Linn.	Louis.
1 Number of all farms in the county.....	1,960	2,625	2,090	2,764	2,928	2,297	3,666	1,470
2 Farms reporting land having drainage.....	683	1,409	1,043	1,670	2,605	306	1,781	818
3 Farms reporting land needing drainage.....	155	919	733	847	1,353	160	1,370	310
4 Farms in drainage and levee districts.....	3	6	3	.....	1,185	62	19	196
LAND AND FARM AREA.								
5 Approximate land area of the county.....acres..	275,840	390,400	364,160	369,920	622,720	327,040	453,760	253,440
6 All land in farms.....acres..	262,038	374,243	339,502	357,112	574,605	303,415	418,676	228,438
7 Improved land in farms.....acres..	192,358	320,596	275,873	303,497	505,669	205,508	335,104	186,344
8 Woodland in farms.....acres..	27,292	34,187	35,715	38,315	10,520	63,216	35,943	29,477
9 Other unimproved land in farms.....acres..	42,388	19,460	27,914	15,300	58,416	34,691	47,569	12,617
10 Farm land reported as provided with drainage.....acres..	44,337	105,139	61,879	124,907	342,681	12,876	79,505	83,013
11 Farm land reported as needing drainage.....acres..	5,461	29,391	37,575	37,575	77,339	8,005	35,932	11,675
12 Drainage only.....acres..	2,714	15,589	12,778	26,913	73,470	5,673	24,331	5,362
13 Drainage and clearing.....acres..	2,747	12,263	7,613	10,662	3,869	2,332	11,601	6,313

DRAINAGE—IOWA.

COUNTY TABLE I.—DRAINAGE ON FARMS: 1920—Continued.

		Lucas.	Lyon.	Madison.	Mahaska.	Marion.	Marshall.	Mills.	Mitchell.
1	Number of all farms in the county.....	1,617	1,774	2,125	2,784	2,402	2,315	1,571	1,770
2	Farms reporting land having drainage.....	36	780	1,020	1,411	633	1,385	85	472
3	Farms reporting land needing drainage.....	118	201	742	613	294	798	88	484
4	Farms in drainage and levee districts.....		59	71	7	11	30	51	59
LAND AND FARM AREA.									
5	Approximate land area of the county..... acres..	276,480	372,480	360,320	363,520	360,320	366,080	280,320	296,320
6	All land in farms..... acres..	246,292	356,071	335,445	342,155	336,015	354,069	245,301	277,152
7	Improved land in farms..... acres..	193,806	323,592	262,441	293,850	275,545	320,286	220,223	244,711
8	Woodland in farms..... acres..	38,302	7,560	30,060	27,088	39,999	18,375	16,869	13,896
9	Other unimproved land in farms..... acres..	16,184	24,918	42,944	21,207	20,471	18,428	8,209	18,545
10	Farm land reported as provided with drainage..... acres..	801	34,613	70,023	106,093	38,916	87,391	4,727	20,885
11	Farm land reported as needing drainage..... acres..	4,483	3,967	28,117	27,041	9,130	10,098	4,320	20,923
12	Drainage only..... acres..	1,306	3,760	22,115	21,622	6,276	12,216	2,930	17,927
13	Drainage and clearing..... acres..	3,177	207	6,002	5,419	2,854	4,482	1,390	2,995
		Monona.	Monroe.	Montgomery.	Muscatine.	O'Brien.	Osceola.	Page.	Palo Alto.
1	Number of all farms in the county.....	2,166	1,793	1,650	1,923	1,903	1,265	2,252	1,815
2	Farms reporting land having drainage.....	277	107	322	953	1,307	917	879	1,464
3	Farms reporting land needing drainage.....	104	72	205	456	670	626	495	902
4	Farms in drainage and levee districts.....	275	2	7	132	26	219	73	731
LAND AND FARM AREA.									
5	Approximate land area of the county..... acres..	439,040	276,480	271,360	276,480	364,160	252,800	339,840	359,040
6	All land in farms..... acres..	383,956	247,685	255,887	263,051	348,783	247,804	328,323	334,409
7	Improved land in farms..... acres..	310,953	179,209	240,186	217,466	322,132	230,971	304,508	289,679
8	Woodland in farms..... acres..	29,523	47,254	10,196	32,213	5,181	2,480	14,096	4,774
9	Other unimproved land in farms..... acres..	34,480	21,222	8,505	13,372	21,470	14,453	9,110	39,956
10	Farm land reported as provided with drainage..... acres..	33,457	3,874	8,497	69,204	97,253	69,170	30,643	172,760
11	Farm land reported as needing drainage..... acres..	7,926	1,782	4,777	16,813	25,223	26,089	12,229	53,463
12	Drainage only..... acres..	6,977	880	3,909	10,066	24,684	26,197	8,386	51,067
13	Drainage and clearing..... acres..	949	902	868	6,127	639	491	3,843	2,396
		Pocahontas.	Polk.	Pottawattamie.	Poweshiek.	Ringgold.	Sao.	Scott.	Shelby.
1	Number of all farms in the county.....	1,992	2,948	3,781	2,179	1,923	1,945	2,316	2,049
2	Farms reporting land having drainage.....	1,873	1,440	297	1,668	38	1,044	1,213	2,74
3	Farms reporting land needing drainage.....	644	670	225	840	190	527	707	237
4	Farms in drainage and levee districts.....	922	71	146	3	1	224	23	26
LAND AND FARM AREA.									
5	Approximate land area of the county..... acres..	368,640	372,480	602,880	371,200	345,600	367,360	287,360	376,960
6	All land in farms..... acres..	348,189	329,840	568,473	357,255	315,350	350,528	273,551	355,336
7	Improved land in farms..... acres..	320,339	283,211	527,470	317,999	284,742	329,046	242,446	333,663
8	Woodland in farms..... acres..	4,436	45,722	25,009	14,199	20,680	6,003	14,466	8,781
9	Other unimproved land in farms..... acres..	17,415	17,907	16,391	25,087	9,948	20,879	16,439	12,892
10	Farm land reported as provided with drainage..... acres..	268,758	98,808	17,683	169,942	1,649	87,369	31,023	6,718
11	Farm land reported as needing drainage..... acres..	29,477	14,678	7,068	45,661	8,040	16,615	17,021	6,826
12	Drainage only..... acres..	26,053	11,744	3,958	33,051	5,725	13,613	14,549	4,095
13	Drainage and clearing..... acres..	3,424	2,984	3,710	12,610	3,216	2,852	2,472	2,731
		Sioux.	Story.	Tama.	Taylor.	Union.	Van Buren.	Wapello.	Warren.
1	Number of all farms in the county.....	2,801	2,215	2,484	2,159	1,631	2,013	2,112	2,402
2	Farms reporting land having drainage.....	841	1,871	1,088	386	323	142	630	860
3	Farms reporting land needing drainage.....	193	550	590	294	273	147	208	436
4	Farms in drainage and levee districts.....	5	902	3	33	7	53	7	29
LAND AND FARM AREA.									
5	Approximate land area of the county..... acres..	486,400	362,880	460,800	341,760	273,280	305,280	273,920	364,800
6	All land in farms..... acres..	457,473	328,058	424,132	324,279	259,064	291,884	254,866	337,533
7	Improved land in farms..... acres..	445,980	292,748	370,692	290,189	222,420	209,197	203,280	284,107
8	Woodland in farms..... acres..	7,893	19,021	24,785	16,076	16,532	55,629	30,328	30,724
9	Other unimproved land in farms..... acres..	16,600	16,289	28,685	18,018	19,712	20,658	21,258	22,702
10	Farm land reported as provided with drainage..... acres..	41,150	197,633	48,193	17,107	14,842	8,165	47,432	54,266
11	Farm land reported as needing drainage..... acres..	4,922	13,954	13,273	8,877	6,873	5,504	6,028	13,933
12	Drainage only..... acres..	4,540	11,189	9,839	5,984	5,074	1,789	1,889	3,967
13	Drainage and clearing..... acres..	382	2,765	3,384	2,893	1,799	3,715	4,139	4,991
		Washington.	Webster.	Winnebago.	Winne- shiek.	Wood- bury.	Worth.	Wright.	All other counties. ¹
1	Number of all farms in the county.....	2,307	2,566	1,543	2,915	2,969	1,461	1,927	8,232
2	Farms reporting land having drainage.....	1,722	2,210	1,016	135	150	894	1,721	44
3	Farms reporting land needing drainage.....	820	977	768	491	42	894	885	336
4	Farms in drainage and levee districts.....	20	1,406	487	4	97	551	1,071	1
LAND AND FARM AREA.									
5	Approximate land area of the county..... acres..	357,760	456,960	255,360	439,040	552,960	255,360	368,000	1,566,080
6	All land in farms..... acres..	336,801	424,727	243,076	428,366	492,820	242,561	344,510	1,455,311
7	Improved land in farms..... acres..	270,990	370,051	212,584	329,113	490,451	201,195	309,049	1,187,172
8	Woodland in farms..... acres..	33,171	25,512	6,559	55,721	16,973	8,139	7,377	157,872
9	Other unimproved land in farms..... acres..	26,670	23,184	23,933	43,552	15,396	33,227	27,490	110,267
10	Farm land reported as provided with drainage..... acres..	157,957	295,854	67,350	2,420	24,042	50,190	224,760	1,231
11	Farm land reported as needing drainage..... acres..	30,893	41,433	27,755	9,068	1,450	44,080	37,890	9,665
12	Drainage only..... acres..	24,054	36,567	24,702	6,885	842	39,450	36,195	1,284
13	Drainage and clearing..... acres..	12,149	4,866	3,053	2,773	608	4,624	1,635	8,401

¹ Drainage on farms was reported in all counties in Iowa.

DRAINAGE—IOWA.

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COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920.

		THE STATE.	Adams.	Appa- noose.	Boone.	Buena Vista.	Calhoun.	Carroll.	Cedar.	Cerro Gordo.
LAND AREA.										
1	Approximate land area of the state or county	acres.. 35,575,040	273,280	328,320	364,160	365,440	363,520	365,440	364,800	362,880
2	All land in operating drainage enterprises	acres.. 5,224,478	4,797	6,805	80,039	116,826	246,559	78,040	6,333	108,300
3	Improved land	acres.. 4,493,407	2,650	6,464	86,089	114,264	123,377	72,531	6,206	95,385
4	Per cent of all improved land in farms	15.7	1.1	2.7	30.0	35.0	37.4	22.2	2.0	34.7
5	Timber and cut-over land	acres.. 74,652	240				1,015			13
6	Other unimproved land	acres.. 656,419	1,907	341	3,950	2,562	122,167	5,509	127	12,902
7	Swampy or subject to overflow, in enterprises	acres.. 320,893	594	308	3,895	204	24,149	4,321	127	12,018
8	Suffering a loss of crops from defective drainage	acres.. 157,542	46	204	2,531		4,094	3,406	127	2,390
9	Assessed acreage	5,905,743	4,797	6,805	91,709	190,286	335,032	91,163	6,333	108,300
10	Excess over all land in enterprises	acres.. 681,265			1,670	73,460	88,473	13,123		
DRAINAGE WORKS.										
11	Open ditches:									
12	Completed	miles.. 3,998.0	16.6	10.0	7.5	96.7	191.7	51.9	3.1	37.7
13	Additional under construction	miles.. 81.1					6.8			3.0
14	Maximum completed in any enterprise	miles.. 82.3	14.4	5.0	2.3	64.4	20.0	36.3	3.1	10.6
15	Maximum width at bottom of ditch	feet.. 90	12		14	45	68	35	10	30
16	Maximum of average depths of outlet ditches	feet.. 25.0	10.0		8.4	11.5	12.0	14.0	6.0	8.3
17	Mean depth of branch ditches	feet.. 6.5	8.0			9.0	5.4	6.8		5.8
18	Tile drains:									
19	Completed	miles.. 10,384.9			455.7	395.1	422.5	230.8	3.0	323.1
20	Additional under construction	miles.. 768.6			6.0	6.6	3.4	12.3		121.7
21	Maximum completed in any enterprise	miles.. 127.0			20.6	20.0	14.0	12.9	3.0	50.4
22	Maximum size of tile	inches.. 52			44	42	36	44	24	48
23	Accessory levees and dikes:									
24	Completed	miles.. 45.2								
25	Additional under construction	miles..								
26	Pumping plants:									
27	Engine capacity	horsepower.. 3,153								
28	Pump capacity	gallons per minute.. 530,800								
29	Area served by pumps	acres.. 134,616								
30	Area drained by open ditches only	acres.. 1,294,243	4,797	6,805		41,809	76,902	3,496		
31	Length of these ditches	miles.. 1,934.7	16.6	10.0		76.4	89.7	9.8		
32	Average length per acre	feet.. 7.0	18.3	7.8		9.6	6.2	14.8		
33	Area having open ditches and levees	acres.. 26,228								
34	Length of these ditches	miles.. 45.4								
35	Average length per acre	feet.. 9.1								
36	Length of the accessory levees	miles.. 29.1								
37	Area drained by tile only	acres.. 1,416,176			75,551	39,067	78,550	40,702		48,588
38	Length of these tile	miles.. 6,785.7			307.2	343.2	349.6	215.5		259.7
39	Average length per acre	feet.. 25.3			27.8	46.4	23.5	28.0		28.2
40	Area having tile drains and levees	acres.. 6,000								
41	Length of these tile	miles.. 6.0								
42	Average length per acre	feet.. 5.3								
43	Length of the accessory levees	miles.. 8.0								
44	Area drained by open ditches and tile	acres.. 2,444,906			14,488	35,950	91,098	33,842	6,333	59,714
45	Length of these drains	miles.. 6,392.2			72.0	78.8	185.1	69.7	6.1	225.8
46	Average length per acre	feet.. 13.8			26.2	11.6	10.7	10.9	5.1	20.0
47	Area having open ditches, tile drains, and levees	acres.. 37,925								
48	Length of these drains	miles.. 68.6								
49	Average length per acre	feet.. 9.6								
50	Length of the accessory levees	miles.. 8.1								
DEVELOPMENT OF LAND.										
51	Improved land in operating enterprises, 1920	acres.. 4,493,407	2,650	6,464	86,089	114,264	123,377	72,531	6,206	95,385
52	Improved land prior to drainage	acres.. 3,210,498	1,439	5,791	63,958	87,048	62,761	28,411	1,583	39,976
53	Increase since drainage	acres.. 1,282,911	1,211	673	22,131	27,216	60,616	44,120	4,623	5,409
54	Per cent of increase	40.0	84.2	11.6	34.6	31.3	96.6	155.3	292.0	6.0
55	Per cent increase is of all improved land in farms, 1920	4.5	0.5	0.3	7.7	8.3	18.4	13.5	1.6	2.0
56	Timber and cut-over land, 1920	acres.. 74,652	240				1,015			13
57	Timber and cut-over land prior to drainage	acres.. 93,994	240				1,015			13
58	Decrease since drainage	acres.. 19,342								
59	Per cent of decrease	20.6								
60	Other unimproved land, 1920	acres.. 656,419	1,907	341	3,950	2,562	122,167	5,509	127	12,902
61	Other unimproved land prior to drainage	acres.. 1,019,988	3,118	1,014	26,031	29,778	182,783	49,629	4,750	18,311
62	Decrease since drainage	acres.. 1,263,569	1,211	673	22,131	27,216	60,616	44,120	4,623	5,409
63	Per cent of decrease	65.8	38.8	66.4	84.9	91.4	33.2	88.9	97.3	29.5
64	Swampy or subject to overflow, 1920	acres.. 320,893	594	308	3,895	204	24,149	4,321	127	12,018
65	Swampy or subject to overflow prior to drainage	acres.. 1,567,960	2,878	774	25,813	34,246	148,334	29,258	4,750	16,421
66	Decrease since drainage	acres.. 1,247,067	2,284	466	21,918	34,042	124,185	24,937	4,623	3,403
67	Per cent of decrease	79.5	79.4	60.2	84.9	99.4	83.7	86.2	97.3	22.1
CAPITAL INVESTED AND COST PER ACRE.										
68	Total capital invested in and required for completion of operating enterprises	dollars.. 54,189,878	102,760	61,989	1,551,773	1,508,798	2,182,582	728,624	31,773	1,809,193
69	Capital invested in these enterprises to Dec. 31, 1919	dollars.. 49,627,304	102,760	61,989	1,516,735	1,485,798	2,042,119	677,615	31,773	1,004,892
70	Additional capital required to complete these enterprises	dollars.. 4,562,574			35,038	23,000	140,463	50,809		744,301
71	Average cost per acre when completed	dollars.. 10.37	21.42	9.11	17.23	21.91	8.85	9.34	5.02	16.71
72	Enterprises constructing open ditches only	dollars.. 8,856,170	102,760	61,989		243,678	285,747	37,226		
73	Average cost per acre when completed	dollars.. 8.84	21.42	9.11		5.83	3.72	10.65		
74	Enterprises constructing open ditches and levees	dollars.. 673,770								
75	Average cost per acre when completed	dollars.. 25.69								
76	Enterprises constructing tile drains only	dollars.. 20,836,478			1,301,993	936,684	1,141,733	379,860		543,077
77	Average cost per acre when completed	dollars.. 14.78			17.23	23.98	14.53	9.33		11.18
78	Enterprises constructing tile drains and levees	dollars.. 90,000								
79	Average cost per acre when completed	dollars.. 15.00								
80	Enterprises constructing open ditches and tile drains	dollars.. 23,424,200			249,780	328,436	755,102	311,538	31,773	1,266,116
81	Average cost per acre when completed	dollars.. 0.58			17.24	9.14	8.29	9.21	5.02	21.20
82	Enterprises constructing open ditches, tile drains, and levees	dollars.. 239,232								
83	Average cost per acre when completed	dollars.. 6.31								
CROPS.										
84	Improved land in enterprises reporting—									
85	Corn as principal crop on drained land	acres.. 4,365,787	2,650	6,464	86,089	114,264	123,377	72,531	6,206	95,385
86	Hay as principal crop on drained land	acres.. 90,381								
87	Not reporting principal crop on drained land	acres.. 2,37,239								

1 When works under construction have been completed.

2 Includes 360 acres reporting vegetables as principal crop.

DRAINAGE—IOWA.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Clay.	Clinton.	Craw- ford.	Dallas.	Davis.	Des Moines.	Dickin- son.	Em- met.	Floyd.	Frank- lin.	
LAND AREA.												
1	Approximate land area of the county.....	acres	360,320	442,240	457,800	376,960	320,640	261,760	240,640	251,520	316,800	369,920
2	All land in operating drainage enterprises.....	acres	105,912	68,279	5,500	72,637	7,978	53,188	100,317	164,355	15,543	139,852
3	Improved land.....	acres	103,553	51,910	2,750	69,469	7,658	49,965	98,233	162,824	14,878	132,504
4	Per cent of all improved land in farms.....		30.0	14.2	0.7	23.1	3.1	27.6	52.6	81.0	5.8	43.3
5	Timber and cut-over land.....	acres	13,175	550					68			
6	Other unimproved land.....	acres	2,359	3,194	2,200	3,168	320	3,223	2,084	1,663	665	7,348
7	Swampy or subject to overflow, in enterprises.....	acres	2,453	3,669	550	873	320	2,628	1,833	718	665	6,674
8	Suffering a loss of crops from defective drainage.....	acres	676	5,887	550	16		659	1,573	206	117	2,812
9	Assessed acreage.....		107,692	72,119	6,000	77,763	7,978	103,188	133,024	169,871	15,543	152,747
10	Excess over all land in enterprises.....	acres	1,780	3,840	500	5,120		50,000	32,707	5,516		12,895
DRAINAGE WORKS.												
Open ditches:												
11	Completed.....	miles	45.7	80.8	12.0	35.9	14.4	18.6	76.1	120.5	14.3	51.6
12	Additional under construction.....	miles						0.8		6.0		0.7
13	Maximum completed in any enterprise.....	miles	12.1	25.0	11.2	7.0	13.5	15.2	13.0	15.0	10.0	11.3
14	Maximum width at bottom of ditch.....	feet	25	25	20	24	12	60	25	24	12	16
15	Maximum of average depths of outlet ditches.....	feet	11.5	10.0	13.0	8.0	12.0	7.2	10.0	12.0	5.0	8.3
16	Mean depth of branch ditches.....	feet	6.4	7.2		5.0		6.0	5.9	7.0	5.0	5.0
Tile drains:												
17	Completed.....	miles	293.8	29.9		166.2		11.8	410.3	492.9	42.3	423.6
18	Additional under construction.....	miles	45.7	1.1		8.5		0.3	27.5	14.2		35.2
19	Maximum completed in any enterprise.....	miles	70.0	6.0		10.0		6.6	53.3	64.5	20.0	37.4
20	Maximum size of tile.....	inches	88	36		42		33	44	36	36	48
Accessory levees and dikes:												
21	Completed.....	miles		2.0								
22	Additional under construction.....	miles										
Pumping plants:												
23	Engine capacity.....	horsepower						600				
24	Pump capacity.....	gallons per minute						74,300				
25	Area served by pumps.....	acres						53,188				
26	Area drained by open ditches only.....	acres	12,440	8,000	5,500	8,821	7,978		2,852	46,850	802	8,660
27	Length of these ditches.....	miles	15.8	11.0	12.0	15.5	14.4		11.3	63.2	10.0	16.9
28	Average length per acre.....	feet	6.7	7.3	11.5	9.3	9.5		20.9	7.2	65.8	10.3
29	Area having open ditches and levees.....	acres		1,000								
30	Length of these ditches.....	miles		3.0								
31	Average length per acre.....	feet		15.8								
32	Length of the accessory levees.....	miles		1.0								
33	Area drained by tile only.....	acres	37,883	1,800		43,000		3,188	18,967	51,831	6,550	65,550
34	Length of these tile.....	miles	152.5	6.0		138.4		5.2	125.7	262.0	22.3	316.6
35	Average length per acre.....	feet	21.3	17.6		17.0		8.6	35.0	28.7	18.0	25.5
36	Area having tile drains and levees.....	acres										
37	Length of these tile.....	miles										
38	Average length per acre.....	feet										
39	Length of the accessory levees.....	miles										
40	Area drained by open ditches and tile.....	acres	55,589	58,250		20,816		50,000	78,498	66,174	8,191	65,642
41	Length of these drains.....	miles	216.9	97.3		66.7		26.3	376.9	300.0	24.3	177.6
42	Average length per acre.....	feet	20.6	9.1		14.4		2.8	25.4	24.7	15.7	14.3
43	Area having open ditches, tile drains, and levees.....	acres		1,220								
44	Length of these drains.....	miles		3.5								
45	Average length per acre.....	feet		15.0								
46	Length of the accessory levees.....	miles		1.0								
DEVELOPMENT OF LAND.												
47	Improved land in operating enterprises, 1920.....	acres	103,553	51,910	2,750	69,469	7,658	49,965	98,233	162,824	14,878	132,504
48	Improved land prior to drainage.....	acres	81,025	10,352	1,650	33,703	6,124	44,072	75,106	121,617	13,081	112,871
49	Increase since drainage.....	acres	22,528	41,558	1,100	35,766	1,534	5,893	23,127	41,007	1,797	19,633
50	Per cent of increase.....		27.8	401.4	66.7	106.1	25.0	13.4	30.8	33.7	13.7	17.4
51	Per cent increase is of all improved land in farms, 1920.....		7.8	11.4	0.3	11.9	0.0	3.3	12.4	20.4	0.7	6.4
52	Timber and cut-over land, 1920.....	acres	13,175	550						68		
53	Timber and cut-over land prior to drainage.....	acres	17,675	550						68		
54	Decrease since drainage.....	acres	4,500								32	
55	Per cent of decrease.....		26.5								100.0	
56	Other unimproved land, 1920.....	acres	2,359	3,194	2,200	3,168	320	3,223	2,084	1,663	665	7,348
57	Other unimproved land prior to drainage.....	acres	24,887	40,252	3,300	38,934	1,854	9,116	25,211	42,670	2,430	26,981
58	Decrease since drainage.....	acres	22,528	37,058	1,100	35,766	1,534	5,893	23,127	41,007	1,795	19,633
59	Per cent of decrease.....		90.5	92.1	33.3	91.9	82.7	64.6	91.7	96.1	72.6	72.8
60	Swampy or subject to overflow, 1920.....	acres	2,453	3,669	550	873	320	2,628	1,833	718	665	6,674
61	Swampy or subject to overflow prior to drainage.....	acres	32,756	62,977	3,850	24,444	2,122	7,138	20,221	29,120	1,947	21,620
62	Decrease since drainage.....	acres	30,303	49,308	3,300	23,571	1,802	4,510	18,388	28,402	1,282	14,946
63	Per cent of decrease.....		92.5	93.1	85.7	66.4	84.9	63.2	80.9	97.5	65.8	69.1
CAPITAL INVESTED AND COST PER ACRE.												
64	Total capital invested in and required for completion of operating enterprises.....	dollars	1,024,852	408,500	86,447	807,668	46,887	255,057	1,376,275	1,713,804	230,204	2,020,349
65	Capital invested in these enterprises to Dec. 31, 1919.....	dollars	879,678	398,500	86,447	746,448	46,887	248,260	1,199,111	1,627,901	230,204	1,784,811
66	Additional capital required to complete these enterprises.....	dollars	145,174	10,000		61,220		6,797	177,164	85,903		235,538
67	Average cost per acre when completed.....	dollars	9.68	5.95	15.72	11.12	5.88	4.80	13.72	10.43	14.81	14.45
68	Enterprises constructing open ditches only.....	dollars	54,664	35,000	80,447	62,670	46,887		13,155	226,002	16,842	66,464
69	Average cost per acre when completed.....	dollars	4.30	4.38	15.72	7.10	5.88		4.61	4.90	21.00	7.67
70	Enterprises constructing open ditches and levees.....	dollars		12,000								
71	Average cost per acre when completed.....	dollars		12.00								
72	Enterprises constructing tile drains only.....	dollars	376,887	20,000		535,485		128,988	308,611	688,031	102,675	1,264,535
73	Average cost per acre when completed.....	dollars	9.95	11.11		12.45		40.46	16.01	13.27	15.66	19.29
74	Enterprises constructing tile drains and levees.....	dollars										
75	Average cost per acre when completed.....	dollars										
76	Enterprises constructing open ditches and tile drains.....	dollars	593,301	299,500		209,513		126,071	1,059,509	798,871	110,787	689,350
77	Average cost per acre when completed.....	dollars	10.67	5.32		10.06		2.52	13.50	12.07	13.53	10.50
78	Enterprises constructing open ditches, tile drains, and levees.....	dollars		40,000								
79	Average cost per acre when completed.....	dollars		32.55								
CROPS.												
Improved land in enterprises reporting—												
80	Corn as principal crop on drained land.....	acres	102,198	51,910	2,760	69,109	7,658	49,965	91,393	153,772	14,878	132,504
81	Hay as principal crop on drained land.....	acres				360						
82	Not reporting principal crop on drained land.....	acres	1,385						6,840	8,852		

1 When works under construction have been completed.

DRAINAGE—IOWA.

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COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Fre- mont.	Greene.	Guthrie.	Hamil- ton.	Han- cock.	Hardin.	Harri- son.	Humb- oldt.	Jasper.	Kos- suth.	
LAND AREA.												
1	Approximate land area of the county.....	acres..	324,480	387,860	380,800	364,800	364,800	364,160	442,240	275,840	467,200	622,720
2	All land in operating drainage enterprises.....	acres..	67,493	139,487	14,176	238,515	261,498	121,228	66,951	187,425	25,170	488,297
3	Improved land.....	acres..	33,829	126,870	10,523	231,858	229,256	117,860	31,492	176,691	23,690	459,984
4	Per cent of all improved land in farms.....		13.3	41.5	3.6	73.2	76.2	39.2	9.5	75.0	6.1	91.0
5	Timber and cut-over land.....	acres..	3,514				731		7,724		232	38
6	Other unimproved land.....	acres..	30,160	12,617	3,653	6,657	31,511	3,368	27,735	10,734	1,248	28,275
7	Swampy or subject to overflow, in enterprises.....	acres..	13,374	8,377	2,919	6,145	18,464	3,265	7,851	10,720	1,024	23,005
8	Suffering a loss of crops from defective drainage.....	acres..	4,980	4,512	739	1,991	11,728	2,760	3,799	10,610	251	9,708
9	Assessed acreage.....		67,493	150,823	14,176	237,066	333,555	129,335	73,827	204,429	25,170	488,755
10	Excess over all land in enterprises.....	acres..		11,336		48,551	72,057	8,107	6,876	17,004		458
DRAINAGE WORKS.												
Open ditches:												
11	Completed.....	miles.....	88.4	24.2	0.7	171.5	226.9	52.5	113.7	153.5	27.7	310.2
12	Additional under construction.....	miles.....				1.1		0.5				1.7
13	Maximum completed in any enterprise.....	miles.....	16.1	6.3	0.4	17.0	24.6	24.0	16.6	18.4	20.3	33.0
14	Maximum width at bottom of ditch ¹	feet.....	40	12	8	28	40	16	20	24	30	30
15	Maximum of average depths of outlet ditches ¹	feet.....	16.0	9.2	5.4	11.6	12.0	8.1	15.0	7.0	10.0	10.6
16	Mean depth of branch ditches ¹	feet.....	5.4			6.4	5.8	6.6	6.2	5.9		6.9
Tile drains:												
17	Completed.....	miles.....	6.0	482.5	34.3	504.4	431.2	284.9	16.4	311.6		1,343.1
18	Additional under construction.....	miles.....		48.6	7.4	23.5	48.4	4.0		0.4		108.1
19	Maximum completed in any enterprise.....	miles.....	6.0	32.5	7.9	19.1	72.3	23.3	10.6	14.8		127.0
20	Maximum size of tile ¹	inches.....		44	44	52	40	48	34	30		45
Accessory levees and dikes:												
21	Completed.....	miles.....	8.0						0.3			
22	Additional under construction.....	miles.....										
Pumping plants:												
23	Engine capacity.....	horsepower.....	25									
24	Pump capacity.....	gallons per minute.....	4,000									
25	Area served by pumps.....	acres.....	650									
26	Area drained by open ditches only ¹	acres.....	61,493	233		40,478	40,446	30,106	55,956	35,798	25,170	22,998
27	Length of these ditches.....	miles.....	88.4	1.7		59.0	107.8	35.1	107.9	51.5	27.7	26.8
28	Average length per acre.....	feet.....	7.6	38.5		7.7	14.1	6.2	10.2	7.6	5.8	6.1
29	Area having open ditches and levees ¹	acres.....							527			
30	Length of these ditches.....	miles.....							1.8			
31	Average length per acre.....	feet.....							18.0			
32	Length of the accessory levees.....	miles.....							0.3			
33	Area drained by tile only ¹	acres.....		93,501	9,014	91,222	38,420	62,318	(*)	38,069		85,510
34	Length of these tile.....	miles.....		308.9	26.4	425.1	272.6	251.8	2.0	193.0		547.9
35	Average length per acre.....	feet.....		22.5	15.5	24.6	37.5	21.3		26.8		33.8
36	Area having tile drains and levees ¹	acres.....	6,000									
37	Length of these tile.....	miles.....	6.0									
38	Average length per acre.....	feet.....	5.3									
39	Length of the accessory levees.....	miles.....	8.0									
40	Area drained by open ditches and tile ¹	acres.....		45,753	5,162	106,815	182,632	28,804	10,468	113,558		379,789
41	Length of these drains.....	miles.....		154.7	16.0	216.4	326.1	55.0	18.4	221.0		1,194.6
42	Average length per acre.....	feet.....		17.9	16.4	10.7	9.4	10.1	9.3	10.3		16.6
43	Area having open ditches, tile drains, and levees ¹	acres.....										
44	Length of these drains.....	miles.....										
45	Average length per acre.....	feet.....										
46	Length of the accessory levees.....	miles.....										
DEVELOPMENT OF LAND.												
47	Improved land in operating enterprises, 1920.....	acres.....	33,829	126,870	10,523	231,858	229,256	117,860	31,492	176,691	23,690	459,984
48	Improved land prior to drainage.....	acres.....	21,269	70,972	6,891	213,497	109,761	108,623	21,136	110,982	20,834	402,055
49	Increase since drainage.....	acres.....	12,560	55,898	3,632	18,361	119,495	9,237	10,356	65,709	2,856	57,929
50	Per cent of increase.....		59.1	78.8	52.7	8.6	108.9	8.5	49.0	59.2	13.7	14.4
51	Per cent increase is of all improved land in farms, 1920.....		4.9	18.3	1.2	5.8	39.7	3.1	3.1	27.9	0.7	11.5
52	Timber and cut-over land, 1920.....	acres.....	3,514				731		7,724		232	38
53	Timber and cut-over land prior to drainage.....	acres.....	4,714				731		8,480		441	38
54	Decrease since drainage.....	acres.....	1,200				756				209	
55	Per cent of decrease.....		25.5						8.9		47.4	
56	Other unimproved land, 1920.....	acres.....	30,160	12,617	3,653	6,657	31,511	3,368	27,735	10,734	1,248	28,275
57	Other unimproved land prior to drainage.....	acres.....	41,510	65,515	7,285	25,018	151,006	12,605	37,335	76,443	3,895	86,204
58	Decrease since drainage.....	acres.....	11,350	55,898	3,632	18,361	119,495	9,237	9,600	65,709	2,647	57,929
59	Per cent of decrease.....		27.4	81.6	49.9	73.4	79.1	73.3	25.7	86.0	68.0	67.2
60	Swampy or subject to overflow, 1920.....	acres.....	13,374	8,377	2,919	6,145	18,464	3,265	7,851	10,720	1,024	23,005
61	Swampy or subject to overflow prior to drainage.....	acres.....	32,337	41,462	3,310	14,638	113,202	11,484	28,099	72,836	3,367	54,809
62	Decrease since drainage.....	acres.....	18,963	38,085	391	8,493	94,738	8,219	20,248	62,107	2,343	31,804
63	Per cent of decrease.....		58.6	79.8	11.8	58.0	83.7	71.6	72.1	85.3	69.6	58.0
CAPITAL INVESTED AND COST PER ACRE.												
64	Total capital invested in and required for completion of operating enterprises.....	dollars.....	418,940	2,018,172	183,245	2,460,514	2,734,297	950,141	693,221	1,437,527	142,635	6,220,759
65	Capital invested in these enterprises to Dec. 31, 1919.....	dollars.....	418,940	1,749,554	146,744	2,341,671	2,355,636	931,232	693,221	1,437,331	142,635	5,738,533
66	Additional capital required to complete these enterprises.....	dollars.....		268,618	36,501	118,843	378,661	18,909		146		482,226
67	Average cost per acre when completed.....	dollars.....	6.21	14.47	12.93	10.32	10.46	7.84	10.35	7.67	5.67	12.74
68	Enterprises constructing open ditches only.....	dollars.....	328,940	1,207		103,649	91,315	108,452	611,597	111,103	142,635	121,426
69	Average cost per acre when completed.....	dollars.....	5.35	5.18		2.56	2.26	3.00	10.93	3.10	5.67	5.28
70	Enterprises constructing open ditches and levees.....	dollars.....							6,497			
71	Average cost per acre when completed.....	dollars.....							12.33			
72	Enterprises constructing tile drains only.....	dollars.....		1,263,454	86,689	1,564,805	1,230,642	660,415	5,198	674,665		1,118,012
73	Average cost per acre when completed.....	dollars.....		13.51	9.61	17.15	32.03	10.60		15.09		13.07
74	Enterprises constructing tile drains and levees.....	dollars.....	90,000									
75	Average cost per acre when completed.....	dollars.....	15.00									
76	Enterprises constructing open ditches and tile drains.....	dollars.....		753,511	96,606	792,060	1,412,340	181,274	69,929	751,859		4,981,321
77	Average cost per acre when completed.....	dollars.....		16.47	18.71	7.42	7.73	6.29	6.68	6.62		13.12
78	Enterprises constructing open ditches, tile drains, and levees.....	dollars.....										
79	Average cost per acre when completed.....	dollars.....										
CROPS.												
Improved land in enterprises reporting—												
80	Corn as principal crop on drained land.....	acres.....	33,829	126,684	10,523	231,048	207,576	117,152	22,314	176,691	23,690	459,984
81	Hay as principal crop on drained land.....	acres.....					21,680		9,178			
82	Not reporting principal crop on drained land.....	acres.....		180		810		708				

¹ When works under construction have been completed.² Acreage included under open ditches.

DRAINAGE—IOWA.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Lee.	Louisa.	Maha- ka.	Marion.	Mar- shall.	Mills.	Mitchell.	Monona.	Mont- gomery.	Musca- tine.	
LAND AREA.												
1	Approximate land area of the county.....	acres.	327,040	253,440	363,520	360,320	360,080	280,320	296,320	439,040	271,800	276,480
2	All land in operating drainage enterprises.....	acres.	15,781	52,113	16,415	8,707	9,000	55,420	7,875	129,004	6,777	43,922
3	Improved land.....	acres.	14,676	48,572	14,203	8,272	8,730	27,045	6,640	69,761	2,711	40,770
4	Per cent of all improved land in farms.....		7.1	26.1	4.8	3.0	2.7	12.3	2.7	21.8	1.1	18.7
5	Timber and cut-over land.....	acres.			750		270	5,543		13,433	338	88
6	Other unimproved land.....	acres.	1,105	3,541	1,462	435		22,832	1,235	45,820	3,728	3,064
7	Swampy or subject to overflow, in enterprises.....	acres.	947	2,565	1,462	435	270	7,923	918	11,846	3,203	2,475
8	Suffering a loss of crops from defective drainage.....	acres.	816	1,200	608	348		2,797	625	10,604	271	784
9	Assessed acreage.....		15,781	52,113	16,415	8,707	9,000	55,850	7,875	202,631	6,777	43,922
10	Excess over all land in enterprises.....	acres.					3,430			73,627		
DRAINAGE WORKS.												
11	Open ditches:											
12	Completed.....	miles.	24.0	28.0	6.9	8.3	9.3	58.6	1.9	196.5	9.6	42.8
13	Additional under construction.....	miles.			15.8		4.7					
14	Maximum completed in any enterprise.....	miles.	24.0	17.9	5.1	5.6	9.3	8.8	1.9	24.3	8.5	10.5
15	Maximum width at bottom of ditch ¹	feet.	30	30	32	30	90	36	8	80	20	24
16	Maximum of average depths of outlet ditches ¹	feet.	8.6	8.0	11.0	11.0	12.0	14.0	5.0	25.0	17.0	7.8
17	Mean depth of branch ditches ¹	feet.	7.0	7.4			5.0	5.0		8.2		6.7
18	Tile drains:											
19	Completed.....	miles.		4.1	3.8				23.7	33.8		
20	Additional under construction.....	miles.							2.3			
21	Maximum completed in any enterprise.....	miles.		2.6	3.8				5.7	17.0		
22	Maximum size of tile ¹	inches.		18	16				36	24		
23	Accessory levees and dikes:											
24	Completed.....	miles.	19.0	3.8						8.3		
25	Additional under construction.....	miles.										
26	Pumping plants:											
27	Engine capacity.....	horsepower.	600	1,900						28		
28	Pump capacity.....	gallons per minute.	100,000	337,500						15,000		
29	Area served by pumps.....	acres.	15,781	34,757						800		29,440
30	Area drained by open ditches only ¹	acres.		24,040	15,065	8,707	9,000	55,420		128,622	6,777	43,922
31	Length of these ditches.....	miles.		8.8	22.7	8.3	14.0	58.6		191.5	9.6	42.8
32	Average length per acre.....	feet.		1.9	7.7	5.0	8.2	5.6		7.9	7.5	5.1
33	Area having open ditches and levees ¹	acres.	15,781	900						272		
34	Length of these ditches.....	miles.		24.0	0.8					4.0		
35	Average length per acre.....	feet.		8.0	4.7					77.6		
36	Length of the accessory levees.....	miles.	19.0	3.1						2.3		
37	Area drained by tile only ¹	acres.			750				3,122	110		
38	Length of these tile.....	miles.			3.8				10.0	16.8		
39	Average length per acre.....	feet.			26.8				16.9	806.4		
40	Area having tile drains and levees ¹	acres.										
41	Length of these tile.....	miles.										
42	Average length per acre.....	feet.										
43	Area drained by open ditches and tile ¹	acres.		10,717					4,753			
44	Length of these drains.....	miles.		2.0					17.9			
45	Average length per acre.....	feet.		1.0					19.9			
46	Area having open ditches, tile drains, and levees ¹	acres.		16,456					(³)			
47	Length of these drains.....	miles.		20.5					18.0			
48	Average length per acre.....	feet.		6.6								
49	Length of the accessory levees.....	miles.		0.7					6.0			
DEVELOPMENT OF LAND.												
50	Improved land in operating enterprises, 1920.....	acres.	14,676	48,572	14,203	8,272	8,730	27,045	6,640	69,761	2,711	40,770
51	Improved land prior to drainage.....	acres.	11,362	37,969	14,068	6,808	8,730	19,892	6,668	39,675	2,626	33,943
52	Increase since drainage.....	acres.	3,314	10,603	135	1,464		7,153	72	30,076	85	6,827
53	Per cent of increase.....		29.2	27.9	1.0	21.5		36.0	1.1	75.8	3.2	20.1
54	Per cent increase is of all improved land in farms, 1920.....		1.6	5.7	(⁴)	0.5		3.2	(⁴)	9.4	(⁴)	3.1
55	Timber and cut-over land, 1920.....	acres.			750		270	5,543		13,433	338	88
56	Timber and cut-over land prior to drainage.....	acres.			795		270	5,543		21,029	338	88
57	Decrease since drainage.....	acres.			45					8,196		
58	Per cent of decrease.....				5.7		100.0			87.9		
59	Other unimproved land, 1920.....	acres.	1,105	3,541	1,462	435		22,832	1,235	45,820	3,728	3,064
60	Other unimproved land prior to drainage.....	acres.	4,419	14,144	1,552	1,551		20,985	1,307	67,700	3,813	6,891
61	Decrease since drainage.....	acres.	3,314	10,603	90	1,116		7,153	72	21,880	85	6,827
62	Per cent of decrease.....		75.0	75.0	5.8	72.0		23.9	5.5	32.3	2.2	69.0
63	Swampy or subject to overflow, 1920.....	acres.	947	2,565	1,462	435	270	7,923	918	11,846	3,203	2,475
64	Swampy or subject to overflow prior to drainage.....	acres.	3,787	12,370	1,552	1,551	1,000	25,489	961	48,317	3,542	8,354
65	Decrease since drainage.....	acres.	2,840	9,805	90	1,116	730	17,566	43	36,471	339	5,879
66	Per cent of decrease.....		75.0	79.3	5.8	72.0	73.0	68.9	4.5	75.5	9.6	70.4
CAPITAL INVESTED AND COST PER ACRE.												
67	Total capital invested in and required for completion of operating enterprises.....	dollars.	551,888	366,461	190,542	44,151	260,000	392,201	96,620	1,551,571	88,613	201,939
68	Capital invested in these enterprises to Dec. 31, 1919.....	dollars.	551,888	366,461	88,175	44,151	200,000	392,201	85,499	1,551,571	88,613	201,939
69	Additional capital required to complete these enterprises.....	dollars.			102,367		60,000		11,121			
70	Average cost per acre when completed.....	dollars.	34.97	7.03	11.61	5.07	28.89	7.08	12.27	12.08	13.08	4.60
71	Enterprises constructing open ditches only.....	dollars.		112,010	177,813	44,151	260,000	392,201		1,457,252	68,613	201,939
72	Average cost per acre when completed.....	dollars.		4.66	11.35	5.07	28.89	7.08		11.33	13.08	4.60
73	Enterprises constructing open ditches and levees.....	dollars.	551,888	32,629						17,434		
74	Average cost per acre when completed.....	dollars.	34.97	36.25						64.10		
75	Enterprises constructing tile drains only.....	dollars.			12,720				50,499	46,885		
76	Average cost per acre when completed.....	dollars.			16.97				16.18	426.23		
77	Enterprises constructing tile drains and levees.....	dollars.										
78	Average cost per acre when completed.....	dollars.										
79	Enterprises constructing open ditches and tile drains.....	dollars.		96,000					46,121			
80	Average cost per acre when completed.....	dollars.		8.96					9.70			
81	Enterprises constructing open ditches, tile drains, and levees.....	dollars.		126,822						30,000		
82	Average cost per acre when completed.....	dollars.		7.65								
CROPS.												
83	Improved land in enterprises reporting—											
84	Corn as principal crop on drained land.....	acres.	14,676	48,572	14,203	8,272	8,730	25,857	6,640	23,289	2,711	40,770
85	Hay as principal crop on drained land.....	acres.						1,188		46,462		
86	Not reporting principal crop on drained land.....	acres.										

¹ When works under construction have been completed.² Pump located in Louisa County.³ Acreage included under open ditches.⁴ Less than one-tenth of 1 per cent.

DRAINAGE—IOWA.

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COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		O'Brien.	Osceola.	Page.	Palo Alto.	Pocahontas.	Polk.	Pottawattamie.	Ringgold.	Sac.	Shelby.	
LAND AREA.												
1	Approximate land area of the county.....	acres..	304,160	252,800	339,840	350,040	308,640	372,480	602,880	345,600	367,360	376,960
2	All land in operating drainage enterprises.....	acres..	5,453	63,342	31,412	221,389	265,904	26,019	41,036	9,530	98,600	22,700
3	Improved land.....	acres..	5,453	60,151	13,990	195,471	203,091	24,275	20,890	3,812	53,050	12,074
4	Per cent of all improved land in farms.....	.....	1.7	26.0	4.6	67.5	80.6	8.6	4.0	1.3	16.1	3.6
5	Timber and cut-over land.....	acres..	.....	3,140	1,350	23	.....	4,105	953	707	1,199	.....
6	Other unimproved land.....	acres..	.....	3,191	14,282	24,568	2,790	1,744	16,041	4,765	44,843	9,427
7	Swampy or subject to overflow, in enterprises.....	acres..	.....	2,932	5,191	3,953	1,075	1,438	5,797	5,718	8,615	2,686
8	Suffering a loss of crops from defective drainage.....	acres..	.....	1,028	3,426	.....	243	1,217	.....	330	1,207	.....
9	Assessed acreage.....	.....	5,453	63,342	32,932	223,209	298,941	26,019	45,250	9,530	100,234	22,700
10	Excess over all land in enterprises.....	acres..	.....	.....	1,520	1,820	33,037	.....	4,214	.....	1,634	.....
DRAINAGE WORKS.												
Open ditches:												
11	Completed.....	miles..	2.5	45.4	53.0	130.4	200.1	16.0	81.0	18.4	47.3	50.9
12	Additional under construction.....	miles..	.....	0.5	.....	8.5	.....	12.9	.....	.....	0.9	.....
13	Maximum completed in any enterprise.....	miles..	2.5	9.3	12.4	21.5	23.4	14.0	13.3	18.4	11.2	11.6
14	Maximum width at bottom of ditch ¹	feet..	15	20	24	40	35	16	26	20	68	20
15	Maximum of average depths of outlet ditches ¹	feet..	6.6	8.4	16.0	10.5	10.0	8.0	15.0	10.0	10.6	12.0
16	Mean depth of branch ditches ¹	feet..	.....	5.7	4.0	6.5	6.4	.....	6.4	.....	6.6	6.7
Tile drains:												
17	Completed.....	miles..	11.8	179.4	.....	442.0	400.0	30.5	4.1	.....	190.1	0.4
18	Additional under construction.....	miles..	.....	66.0	.....	24.0	.....	.....	.....	.....	0.2	.....
19	Maximum completed in any enterprise.....	miles..	6.3	22.0	.....	41.5	32.3	5.9	2.5	.....	11.6	0.4
20	Maximum size of tile ¹	inches..	30	42	.....	38	40	34	15	.....	44	12
Accessory levees and dikes:												
21	Completed.....	miles..	.....	.....	.....	.....	.....	0.4	3.0	.....	.....	.....
22	Additional under construction.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pumping plants:												
23	Engine capacity.....	horsepower..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	Pump capacity.....	gallons per minute..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Area served by pumps.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Area drained by open ditches only ¹	acres..	1,850	9,397	31,412	24,474	68,900	11,258	32,661	9,530	680	19,980
27	Length of these ditches.....	miles..	2.5	28.7	53.0	26.5	41.3	25.1	65.9	18.4	1.5	43.4
28	Average length per acre.....	feet..	7.1	16.1	8.9	5.7	3.2	11.8	10.7	10.2	11.6	11.5
29	Area having open ditches and levees ¹	acres..	.....	.....	.....	.....	.....	1,373	6,375	.....	.....	.....
30	Length of these ditches.....	miles..	.....	.....	.....	.....	.....	0.8	11.0	.....	.....	.....
31	Average length per acre.....	feet..	.....	.....	.....	.....	.....	3.1	9.1	.....	.....	.....
32	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	0.4	3.0	.....	.....	.....
33	Area drained by tile only ¹	acres..	3,603	21,199	.....	42,468	46,182	12,823	.....	.....	38,012	.....
34	Length of these tile.....	miles..	11.8	130.5	.....	161.4	156.1	30.1	.....	.....	121.3	.....
35	Average length per acre.....	feet..	17.3	32.5	.....	20.1	17.9	12.4	.....	.....	16.8	.....
36	Area having tile drains and levees ¹	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Length of these tile.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	Average length per acre.....	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Area drained by open ditches and tile ¹	acres..	.....	32,746	.....	154,447	160,852	565	2,000	.....	59,908	2,720
41	Length of these drains.....	miles..	.....	132.1	.....	415.0	411.7	3.4	8.2	.....	115.7	7.9
42	Average length per acre.....	feet..	.....	21.3	.....	14.2	14.4	31.8	21.6	.....	10.2	15.3
43	Area having open ditches, tile drains, and levees ¹	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Length of these drains.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Average length per acre.....	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DEVELOPMENT OF LAND.												
47	Improved land, in operating enterprises, 1920.....	acres..	5,453	60,151	13,990	195,471	203,091	24,275	20,890	3,812	53,050	12,074
48	Improved land prior to drainage.....	acres..	4,561	43,830	10,440	109,035	151,742	22,279	17,264	3,812	36,440	7,676
49	Increase since drainage.....	acres..	892	16,321	3,550	86,436	111,349	1,996	3,626	.....	16,610	4,398
50	Per cent of increase.....	.....	19.6	37.2	34.0	79.3	73.4	9.0	21.0	.....	45.6	57.3
51	Per cent increase is of all improved land in farms, 1920.....	.....	0.3	7.1	1.2	29.8	34.1	0.7	0.7	.....	5.0	1.3
52	Timber and cut-over land, 1920.....	acres..	.....	3,140	1,350	23	.....	4,105	953	707	1,199	.....
53	Timber and cut-over land prior to drainage.....	acres..	.....	755	3,140	1,350	46	4,105	953	707	1,199	.....
54	Decrease since drainage.....	acres..	.....	755	.....	.....	23	.....	.....	.....	.....	.....
55	Per cent of decrease.....	.....	.....	100.0	.....	.....	50.0	.....	.....	.....	.....	.....
56	Other unimproved land, 1920.....	acres..	.....	3,191	14,282	24,568	2,790	1,744	16,041	4,765	44,843	9,427
57	Other unimproved land prior to drainage.....	acres..	892	18,757	17,832	111,004	114,116	3,740	19,667	4,765	61,453	13,825
58	Decrease since drainage.....	acres..	892	15,566	3,550	86,436	111,326	1,996	3,626	.....	16,610	4,398
59	Per cent of decrease.....	.....	100.0	83.0	19.9	77.9	97.6	53.4	18.4	.....	27.0	31.8
60	Swampy or subject to overflow, 1920.....	acres..	.....	2,932	5,191	3,953	1,075	1,438	5,797	5,718	8,615	2,686
61	Swampy or subject to overflow prior to drainage.....	acres..	892	17,879	18,698	43,949	95,207	2,720	19,768	5,718	50,787	13,670
62	Decrease since drainage.....	acres..	892	14,947	13,507	39,996	94,132	1,282	13,971	.....	42,172	10,984
63	Per cent of decrease.....	.....	100.0	83.6	72.2	91.0	98.9	47.1	70.7	.....	83.0	80.4
CAPITAL INVESTED AND COST PER ACRE.												
64	Total capital invested in and required for completion of operating enterprises.....	dollars..	51,558	722,847	202,364	1,649,640	2,041,778	473,596	502,302	125,000	1,008,267	240,971
65	Capital invested in these enterprises to Dec. 31, 1919.....	dollars..	51,558	543,945	202,364	1,547,670	2,041,778	203,507	502,302	125,000	989,898	240,971
66	Additional capital required to complete these enterprises.....	dollars..	.....	178,902	.....	102,070	.....	270,089	.....	.....	18,369	.....
67	Average cost per acre when completed.....	dollars..	9.45	11.41	9.31	7.45	7.68	18.20	14.43	13.12	10.23	10.62
68	Enterprises constructing open ditches only.....	dollars..	9,505	64,100	202,364	109,789	109,316	326,293	484,732	125,000	7,183	208,001
69	Average cost per acre when completed.....	dollars..	5.14	6.82	9.31	4.49	2.46	28.98	14.84	13.12	10.56	10.41
70	Enterprises constructing open ditches and levees.....	dollars..	.....	.....	.....	.....	.....	2,980	50,342	.....	.....	.....
71	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	2.17	7.90	.....	.....	.....
72	Enterprises constructing tile drains only.....	dollars..	42,053	310,155	.....	363,054	558,503	140,277	.....	.....	357,172	.....
73	Average cost per acre when completed.....	dollars..	11.67	14.63	.....	8.55	12.10	10.94	.....	.....	9.40	.....
74	Enterprises constructing tile drains and levees.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
76	Enterprises constructing open ditches and tile drains.....	dollars..	.....	348,592	.....	1,176,797	1,313,959	4,046	57,228	.....	643,012	32,970
77	Average cost per acre when completed.....	dollars..	.....	10.65	.....	7.62	8.71	7.16	28.61	.....	10.75	12.12
78	Enterprises constructing open ditches, tile drains, and levees.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
79	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CROPS.												
80	Improved land in enterprises reporting—	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
81	Corn as principal crop on drained land.....	acres..	5,453	54,391	13,699	195,471	257,791	24,275	13,317	3,812	53,050	12,074
82	Hay as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	958	.....	.....	.....
82	Not reporting principal crop on drained land.....	acres..	.....	5,700	291	.....	5,300	.....	6,615	.....	.....	.....

¹ When works under construction have been completed.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Story.	Taylor.	Van Buren.	Warren.	Webster.	Winnebago.	Woodbury.	Worth.	Wright.	Other counties. ¹	
LAND AREA.												
1	Approximate land area of the county.....	acres..	362,880	341,700	305,280	364,800	456,960	255,360	552,960	255,360	308,000	4,758,400
2	All land in operating drainage enterprises.....	acres..	143,336	10,585	5,200	16,497	267,788	181,023	94,795	92,860	261,167	19,328
3	Improved land.....	acres..	135,125	6,351	5,044	8,958	243,386	162,076	51,115	78,210	250,456	16,496
4	Per cent of all improved land in farms.....	.....	48.2	2.2	2.4	3.2	64.7	76.2	11.1	38.9	80.9	0.4
5	Timber and cut-over land.....	acres..	1,276	529	156	2,184	547	10,773	41	13,794	1,847	103
6	Other unimproved land.....	acres..	6,935	3,705	156	5,355	24,402	18,400	32,907	14,609	10,711	2,729
7	Swampy or subject to overflow, in enterprises.....	acres..	13,943	1,420	156	1,649	24,920	11,054	14,875	6,625	13,794	1,847
8	Suffering a loss of crops from defective drainage.....	acres..	6,043	462	280	426	23,918	1,907	10,453	420	11,003	1,774
9	Assessed acreage.....	acres..	145,668	10,585	5,200	16,829	325,773	182,695	96,872	92,860	305,273	19,328
10	Excess over all land in enterprises.....	acres..	2,332	.....	.....	332	57,985	1,672	2,077	.....	44,106	.....
DRAINAGE WORKS.												
11	Open ditches:											
12	Completed.....	miles..	53.2	17.1	16.2	40.8	223.5	120.9	144.6	74.3	183.0	15.1
13	Additional under construction.....	miles..	.....	.....	.....	11.4	.....	.....	.....	4.4	1.3	1.5
14	Maximum completed in any enterprise.....	miles..	8.8	7.0	16.2	15.6	37.4	39.3	82.3	16.9	32.0	3.8
15	Maximum width at bottom of ditch.....	feet..	20	12	12	24	30	30	30	30	30	10
16	Maximum of average depths of outlet ditches.....	feet..	9.8	15.5	10.8	15.0	12.0	9.5	12.0	9.1	8.0	10.0
17	Mean depth of branch ditches.....	feet..	5.0	.....	.....	.....	7.7	6.4	5.9	6.0	6.1	7.3
18	Tile drains:											
19	Completed.....	miles..	324.0	.....	.....	1.2	506.3	442.4	8.1	172.9	448.8	42.1
20	Additional under construction.....	miles..	4.4	.....	.....	.....	19.8	55.3	.....	52.3	13.1	8.3
21	Maximum completed in any enterprise.....	miles..	18.0	.....	.....	1.2	20.4	29.3	6.1	34.0	22.2	7.1
22	Maximum size of tile.....	inches..	45	.....	.....	24	30	48	24	36	48	30
23	Accessory levees and dikes:											
24	Completed.....	miles..	.....	.....	.....	.....	.....	0.2	.....	0.2	.....	.....
25	Additional under construction.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Pumping plants:											
27	Engine capacity.....	horsepower..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	Pump capacity.....	gallons per minute..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Area served by pumps.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Area drained by open ditches only.....	acres..	13,575	10,585	5,200	10,191	28,459	6,610	39,801	3,719	115,761	4,157
31	Length of these ditches.....	miles..	22.6	17.1	16.2	52.2	32.7	28.8	80.6	14.1	140.8	8.7
32	Average length per acre.....	feet..	8.8	8.5	16.4	17.0	6.1	23.0	8.0	20.0	6.4	11.1
33	Area having open ditches and levees.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Length of these ditches.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Average length per acre.....	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Area drained by tile only.....	acres..	90,333	.....	.....	306	66,225	44,908	2,275	25,850	78,882	8,870
38	Length of these tile.....	miles..	276.1	.....	.....	1.2	390.1	223.0	1.0	166.9	343.2	30.8
39	Average length per acre.....	feet..	16.1	.....	.....	20.7	31.1	26.2	2.3	34.1	23.0	18.3
40	Area having tile drains and levees.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	Length of these tile.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Average length per acre.....	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Area drained by open ditches and tile.....	acres..	39,428	.....	.....	.....	173,104	113,330	52,719	50,226	60,524	6,301
45	Length of these drains.....	miles..	82.9	.....	.....	.....	326.8	351.2	91.1	111.0	162.2	27.5
46	Average length per acre.....	feet..	11.1	.....	.....	.....	10.0	16.4	9.1	10.0	12.9	23.0
47	Area having open ditches, tile drains, and levees.....	acres..	.....	.....	.....	.....	.....	16,175	.....	4,065	.....	.....
48	Length of these drains.....	miles..	.....	.....	.....	.....	.....	15.0	.....	11.0	.....	.....
49	Average length per acre.....	feet..	.....	.....	.....	.....	.....	5.1	.....	14.3	.....	.....
50	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	0.2	.....	0.2	.....	.....
DEVELOPMENT OF LAND.												
51	Improved land in operating enterprises, 1920.....	acres..	135,125	6,351	5,044	8,958	243,386	162,076	51,115	78,210	250,456	16,496
52	Improved land prior to drainage.....	acres..	92,531	3,176	4,004	5,658	106,389	142,442	37,719	73,247	155,484	14,538
53	Increase since drainage.....	acres..	42,594	3,175	1,040	3,300	76,997	19,634	13,396	4,993	94,972	1,958
54	Per cent of increase.....	.....	46.0	100.0	26.0	58.3	46.3	13.8	35.5	6.8	61.1	13.6
55	Per cent increase is of all improved land in farms, 1920.....	.....	14.5	1.1	0.5	1.2	20.5	9.2	2.9	2.5	30.7	0.1
56	Timber and cut-over land, 1920.....	acres..	1,276	529	156	2,184	547	10,773	41	13,794	1,847	103
57	Timber and cut-over land prior to drainage.....	acres..	3,608	529	.....	2,184	.....	1,227	10,877	203	.....	103
58	Decrease since drainage.....	acres..	2,332	.....	.....	.....	.....	680	104	162	.....	.....
59	Per cent of decrease.....	.....	64.0	.....	.....	.....	.....	55.4	1.0	79.8	.....	.....
60	Other unimproved land, 1920.....	acres..	6,935	3,705	156	5,355	24,402	18,400	32,907	14,609	10,711	2,729
61	Other unimproved land prior to drainage.....	acres..	47,197	6,830	1,196	8,655	101,899	37,354	40,199	19,410	105,683	4,687
62	Decrease since drainage.....	acres..	40,262	3,175	1,040	3,300	76,997	18,954	18,292	4,801	94,972	1,958
63	Per cent of decrease.....	.....	85.3	46.1	87.0	38.1	76.9	50.7	28.8	24.7	89.9	41.8
64	Swampy or subject to overflow, 1920.....	acres..	13,943	1,420	156	1,649	24,920	11,054	14,875	6,625	13,794	1,847
65	Swampy or subject to overflow prior to drainage.....	acres..	52,035	6,530	1,144	11,077	97,073	18,894	53,867	8,777	105,683	3,850
66	Decrease since drainage.....	acres..	38,092	5,107	988	9,428	72,153	7,840	38,992	1,752	91,889	2,003
67	Per cent of decrease.....	.....	73.2	78.1	86.4	85.1	74.3	41.5	72.4	20.9	86.9	52.0
CAPITAL INVESTED AND COST PER ACRE.												
68	Total capital invested in and required for completion of operating enterprises.....	dollars..	1,358,036	82,196	47,169	333,379	2,532,004	1,613,542	476,816	867,350	2,514,519	196,672
69	Capital invested in these enterprises to Dec. 31, 1919.....	dollars..	1,339,365	82,196	47,169	252,302	2,412,781	1,368,324	476,816	684,411	2,417,034	161,840
70	Additional capital required to complete these enterprises.....	dollars..	18,671	.....	.....	81,077	120,123	245,218	.....	182,939	97,485	34,832
71	Average cost per acre when completed.....	dollars..	9.47	7.77	9.07	20.21	9.46	8.91	5.03	0.34	9.63	10.18
72	Enterprises constructing open ditches only.....	dollars..	33,974	82,196	47,169	327,741	97,050	18,761	250,412	32,802	430,437	35,611
73	Average cost per acre when completed.....	dollars..	2.50	7.77	9.07	20.24	3.41	2.84	6.52	8.82	3.72	8.57
74	Enterprises constructing open ditches and levees.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
76	Enterprises constructing tile drains only.....	dollars..	976,136	.....	.....	5,638	1,269,070	624,210	16,110	459,144	1,336,370	91,254
77	Average cost per acre when completed.....	dollars..	10.81	.....	.....	18.42	19.16	13.90	7.08	17.76	16.94	10.29
78	Enterprises constructing tile drains and levees.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
79	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
80	Enterprises constructing open ditches and tile drains.....	dollars..	347,926	.....	.....	1,166,784	945,157	201,294	357,378	747,712	69,777	11.07
81	Average cost per acre when completed.....	dollars..	8.82	.....	.....	6.74	8.34	3.82	6.03	11.24	.....	.....
82	Enterprises constructing open ditches, tile drains, and levees.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CROPS.												
84	Improved land in enterprises reporting—											
85	Corn as principal crop on drained land.....	acres..	135,125	6,351	5,044	8,958	243,386	162,076	40,200	78,210	250,324	16,496
86	Hay as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
87	Not reporting principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	132	.....	.....

¹ Includes only Blackhawk, Buchanan, Butler, Cass, Grundy, Howard, Iowa, Johnson, Linn, Madison, Scott, Tama, and Washington Counties.² When works under construction have been completed.

MANUFACTURES—IOWA.

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.—Iowa has a gross area of 56,147 square miles, of which 55,586 represent land surface. The inhabitants of the state in 1900 numbered 2,231,853; in 1910, 2,224,771; and in 1920, 2,404,021. In total population Iowa ranked sixteenth among the states in 1920. The number of inhabitants per square mile in 1910 was 40, the corresponding figure for 1920 being 43.2.

In 1920 there were 18 cities in the state having more than 10,000 inhabitants. The combined population of these cities in that year was 604,150, which formed 25.1 per cent of the total for Iowa. Of the total value of the state's manufactured products, 78.4 per cent were reported from these 18 cities.

Importance and growth of manufactures (Table 1).—The large increases in salaries and wages, cost of materials, and value of products, as presented in Table 1, are largely due to the changes 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 increases shown, however, in number of wage earners and horsepower are indicative of a decided growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the exceptional increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of the totals for the 99 counties in 1919 with those for prior censuses.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always satisfactory as indicating their importance from a manufacturing standpoint. Their ranking in many instances would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 29.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 500 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).—General increases from 1914 to 1919 are shown in most of the details for the 18 cities included in this table. During this period there was an increase of \$348,885,479, or 148.2 per cent, in the total value of products for these cities and 12,007, or 27.2 per cent, in average number of wage earners.

Wage earners, by months (Table 7).—The statistics for wage earners 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 each of the 18 cities. The table also shows a number of industries in the state in 1919 which employed a large number of female wage earners. Of the total number of female wage earners in the state, 80.9 per cent were in the 18 cities, while of the male wage earners, only 67.7 per cent were reported by the cities.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Iowa. In that year 17.4 per cent of the wage earners were included in the group "48 and under," as against 38 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 44 per cent of the total wage earners, as compared with 19.5 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, 97.5 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 44.6 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 2.5 per cent of the total number of manufacturing establishments in the state, but reported 55.4 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909, and for the 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 of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no real index of manufacturing activities.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations owned but 27.1 per cent of the number of establishments in the state in 1919, they reported 84.5 per cent of the average number of wage earners and 86.5 per cent of the total value of products. During the five-year period 1914 to 1919, the average number of wage earners in corporations increased 19,704, or 40.7 per cent, and the value of products, \$408,837,357, or 173.3 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 18 cities in 1919 represented 40.6 per cent of the total in the state. They reported in that year 69.7

per cent of the average number of wage earners and 78.4 per cent of the value of products. These proportions do not differ materially from those of 1914.

Principal industries in Davenport, Des Moines, and Sioux City, with per cent of total for state (Table 16).—This table includes all industries, in each of the three cities in the state having 50,000 inhabitants or more in 1920, which reported products of \$600,000 and over and for which figures can be shown without disclosing the operations of individual establishments. The names of a number of important industries are also given for which figures can not be shown without the possibility of disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 52,897 horsepower, or 27.8 per cent. This increase, however, is due to the gain of 62,309 horsepower, or 123.9 per cent, in rented power, since owned power decreased 9,412 horsepower, or 6.7 per cent, during the five-year period. Of the total horsepower in 1914, 73.5 per cent were owned power and 26.5 per cent rented. The corresponding proportions for 1919 were 53.6 per cent and 46.4 per cent, respectively.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. In 1919, five industries combined, brick and tile, terra-cotta, and fire-clay products, steam railroad-repair shops, cement, glucose and starch, and slaughtering and meat packing, consumed 67.5 per cent of the bituminous coal; while 22.1 per cent of the anthracite coal, 60.2 per cent of the coke, and 69.4 per cent of the fuel oils were used in the manufacture of gas.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	5,683	5,614	5,528	4,785	4,828	1.2	1.6	15.5	-0.9
Persons engaged.....	105,439	82,631	78,360	61,361	(²)	27.6	5.5	27.7	.....
Proprietors and firm members.....	5,393	5,421	5,323	4,758	(²)	-0.5	1.3	11.9	.....
Salaried employees.....	19,495	14,097	11,402	7,122	5,159	38.3	23.6	60.1	38.0
Wage earners (average number).....	80,561	63,113	61,635	49,481	44,420	27.6	2.4	24.6	11.4
Primary horsepower.....	242,946	190,049	155,384	118,065	106,664	27.8	22.3	31.6	10.7
Capital.....	\$408,205,513	\$233,128,542	\$171,218,604	\$111,427,429	\$85,667,334	78.0	36.2	53.7	30.1
Salaries and wages.....	124,161,129	56,170,325	43,513,581	28,945,430	22,253,197	121.0	20.1	50.3	30.1
Salaries.....	34,043,960	16,310,315	10,971,650	5,948,377	4,232,544	108.7	48.7	84.4	40.5
Wages.....	90,117,169	39,859,510	32,541,931	22,997,053	18,020,653	126.1	22.5	41.5	27.6
Paid for contract work.....	1,470,139	993,326	988,827	961,910	(²)	48.0	2.5	0.7	.....
Rent and taxes.....	15,100,221	3,656,794	2,382,967	1,051,399	(²)	324.7	49.2	.....	.....
Cost of materials.....	520,240,807	205,451,339	170,707,048	102,843,892	85,778,867	153.2	20.4	66.0	19.9
Value of products.....	745,472,697	310,749,974	259,237,637	160,572,313	132,870,865	139.9	19.9	61.4	23.8
Value added by manufacture.....	225,231,890	105,295,635	88,530,589	57,728,421	47,091,998	113.9	18.9	53.4	22.6

¹ A minus sign (—) denotes decrease.² Figures not available.³ Exclusive of internal revenue.⁴ Value of products less cost of materials.

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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 horse-power.
		Average number.	Wages.					
The state.....	5,683	80,551	\$90,117,169	\$15,100,221	\$520,240,807	\$745,472,697	\$225,231,890	242,946
Adair.....	14	23	23,962	1,040	150,673	210,653	53,980	121
Adams.....	9	9	7,334	974	50,230	81,028	30,792	70
Allamakee.....	53	173	190,785	5,708	1,361,145	1,838,443	477,298	875
Appanoose.....	51	219	217,191	22,569	788,082	1,211,212	423,130	900
Audubon.....	26	50	40,672	5,898	414,362	520,156	111,794	341
Benton.....	63	597	685,749	38,219	959,403	2,095,928	1,139,525	2,300
Black Hawk.....	240	5,023	6,227,128	399,599	26,121,845	39,450,011	13,328,166	12,129
Boone.....	57	1,013	1,340,223	81,226	1,183,389	3,201,718	2,018,320	2,243
Bremer.....	88	261	235,368	52,557	3,150,710	3,937,810	787,100	1,252
Buchanan.....	50	193	157,513	11,609	1,083,272	1,504,324	421,052	1,233
Buena Vista.....	58	146	153,701	43,740	575,881	991,680	415,799	642
Butler.....	39	103	75,381	9,122	981,113	1,182,221	201,108	491
Calhoun.....	37	80	81,576	21,348	378,357	722,011	343,654	253
Carroll.....	46	193	248,234	14,703	985,322	1,505,651	520,329	645
Cass.....	38	171	180,001	14,088	1,321,446	1,898,462	547,016	747
Cedar.....	33	51	47,732	13,312	783,498	953,402	169,904	486
Cerro Gordo.....	88	2,523	3,028,719	457,041	24,698,554	32,115,943	7,417,389	21,018
Cherokee.....	30	74	75,808	8,031	172,400	375,165	202,765	233
Chickasaw.....	33	76	70,814	10,494	1,255,718	1,524,333	268,615	638
Clarke.....	7	20	14,639	2,415	16,507	55,153	38,646	35
Clay.....	34	146	130,926	12,518	361,836	679,178	317,342	508
Clayton.....	62	433	474,462	14,805	2,587,133	3,357,171	790,038	1,032
Clinton.....	162	3,632	4,164,837	1,533,200	19,768,164	30,924,567	11,156,403	10,375
Crawford.....	24	98	137,575	13,475	580,497	867,988	287,491	400
Dallas.....	55	557	640,117	32,900	1,250,819	2,671,586	1,420,767	2,648
Davis.....	8	20	13,204	5,007	20,758	60,295	39,537	37
Decatur.....	19	64	54,801	4,315	405,738	516,493	110,755	134
Delaware.....	34	84	83,841	10,492	1,359,398	1,621,963	262,567	252
Des Moines.....	101	3,463	3,633,948	717,074	8,315,223	15,239,767	6,924,544	7,599
Dickinson.....	22	36	38,280	3,316	352,976	460,807	107,831	252
Dubuque.....	157	6,258	6,113,960	1,193,826	21,013,435	35,537,535	14,524,100	11,321
Emmet.....	24	283	407,910	18,150	514,701	1,085,709	571,008	510
Fayette.....	60	1,354	1,765,728	26,227	2,467,982	4,734,079	2,266,097	2,315
Floyd.....	32	996	1,224,878	35,225	3,427,920	7,655,448	4,227,528	3,651
Franklin.....	24	188	190,757	27,591	972,126	1,583,215	611,089	960
Fremont.....	24	56	57,583	3,973	135,010	256,801	121,791	439
Greene.....	23	69	71,783	10,977	225,296	491,150	265,854	323
Grundy.....	24	34	37,800	4,036	263,435	348,736	85,301	313
Guthrie.....	38	52	44,520	8,993	258,538	373,554	117,026	448
Hamilton.....	36	310	315,782	40,122	891,260	1,611,276	720,016	924
Hancock.....	27	36	44,495	5,887	635,532	760,207	114,675	353
Hardin.....	43	215	212,323	17,928	2,096,761	2,680,675	583,914	1,618
Harrison.....	29	525	604,358	9,356	680,866	1,453,271	772,905	487
Henry.....	32	99	92,525	9,763	417,773	661,719	243,946	684
Howard.....	34	108	83,943	7,941	1,236,101	1,434,323	198,132	347
Humboldt.....	21	60	60,282	4,097	401,744	570,616	168,872	505
Ida.....	20	34	34,336	6,169	135,381	252,143	116,762	213
Iowa.....	20	94	51,941	6,863	598,856	783,388	184,532	986
Jackson.....	39	119	115,336	8,730	912,665	1,209,843	297,178	469
Jasper.....	56	838	1,010,222	135,428	3,393,186	6,721,268	3,328,082	3,297
Jefferson.....	44	690	561,190	114,137	1,996,825	4,658,416	2,661,591	1,075
Johnson.....	60	337	283,044	30,878	947,205	1,829,687	882,482	962
Jones.....	41	291	204,307	22,574	1,517,462	2,043,094	525,642	1,255
Keokuk.....	57	155	145,347	5,610	311,146	709,964	395,818	715
Kossuth.....	62	156	171,693	14,313	1,160,112	1,545,632	385,520	596
Lee.....	129	3,812	4,157,568	772,179	17,226,309	27,551,394	10,325,085	14,195
Linn.....	251	6,376	6,566,970	2,412,565	72,802,667	93,109,278	20,306,621	20,204
Louisia.....	22	85	63,734	4,348	242,885	387,089	144,204	251
Lucas.....	26	99	88,324	8,133	420,728	662,106	241,378	377
Lyon.....	32	69	69,158	7,689	484,270	755,030	270,760	191
Madison.....	18	48	41,655	5,201	117,839	281,920	164,081	345
Mahaska.....	65	466	401,175	68,775	1,158,271	2,059,298	901,027	1,298
Marion.....	45	291	266,235	35,343	805,239	1,922,398	1,057,169	1,077
Marshall.....	75	1,376	1,547,119	165,031	5,286,850	9,070,827	3,783,977	2,839
Mills.....	36	68	70,248	11,071	279,296	457,419	178,123	479
Mitchell.....	37	67	60,056	7,487	1,034,578	1,251,597	217,019	369
Monona.....	19	29	27,221	2,313	212,593	311,477	98,884	209
Monroe.....	23	102	90,527	16,511	618,096	847,568	229,472	197
Montgomery.....	70	348	343,930	39,070	1,503,205	3,019,672	1,516,467	1,083
Muscatine.....	174	2,581	2,106,418	188,024	5,944,545	11,103,705	5,219,160	4,409
O'Brien.....	38	152	185,598	20,766	1,387,006	1,854,316	466,710	839
Osceola.....	18	36	35,693	4,629	180,239	294,086	113,847	142
Page.....	58	270	291,005	90,095	1,720,070	2,824,478	1,104,408	2,014
Palo Alto.....	29	72	66,140	8,073	591,759	823,275	228,516	332
Plymouth.....	50	170	190,624	36,487	1,018,793	2,129,395	510,602	947
Pocahontas.....	29	98	143,634	10,611	518,229	835,970	317,741	1,749
Polk.....	397	8,232	8,446,957	1,726,071	34,273,603	61,989,556	27,715,833	18,541
Pottawattamie.....	146	1,940	2,534,188	229,821	5,922,613	11,147,966	5,225,353	4,393
Poweshiek.....	36	405	329,938	20,033	1,320,546	2,510,566	1,199,050	1,032
Ringgold.....	12	15	8,123	1,241	32,491	64,644	32,153	17
Sac.....	37	134	149,785	11,317	387,101	817,799	430,698	863
Scott.....	243	5,748	6,989,277	1,083,318	33,132,669	50,066,081	16,933,412	22,027
Shelby.....	22	61	56,582	8,408	216,607	361,382	144,775	321
Sioux.....	61	176	217,343	9,184	1,134,947	1,595,114	460,167	500
Story.....	66	274	840,962	31,813	1,446,478	2,103,995	657,522	1,213

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

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
Tama.....	45	212	\$224,630	\$38,686	\$1,414,669	\$2,003,311	\$588,642	1,630
Taylor.....	19	45	35,415	11,118	132,770	231,970	99,200	57
Union.....	35	591	730,965	26,441	1,812,610	2,809,600	996,990	1,012
Van Buren.....	17	28	14,830	1,644	157,727	204,425	46,698	88
Wapello.....	110	2,810	3,186,903	1,025,270	36,687,053	45,575,291	8,888,238	5,893
Warren.....	16	48	47,252	2,261	118,490	214,712	96,222	339
Washington.....	52	244	210,031	17,137	619,587	1,307,006	687,419	752
Wayne.....	28	55	55,999	3,978	764,723	899,288	134,565	269
Webster.....	168	2,548	2,718,031	227,104	8,401,660	14,126,316	5,724,656	8,278
Winnebago.....	26	87	93,624	9,441	1,003,272	1,261,030	247,758	496
Winneshiek.....	45	223	223,470	15,726	2,086,040	2,682,628	596,588	1,064
Woodbury.....	282	6,784	8,997,538	1,343,985	125,432,151	146,686,197	21,254,046	14,940
Worth.....	18	254	415,145	3,570	863,877	1,363,734	500,357	457
Wright.....	87	240	317,255	8,318	633,130	1,108,880	475,750	488

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.....	5,683	80,551	100.0	\$745,473	100.0	\$225,232	100.0	Tobacco, cigars.....	211	1,305	1.6	\$3,977	0.5	\$2,155	1.0
Slaughtering and meat packing.....	21	7,134	8.9	226,362	30.4	21,941	9.7	Clothing, men's.....	18	705	0.9	3,717	0.5	1,166	0.5
Butter.....	411	1,695	2.0	56,422	7.6	6,983	3.1	Furniture.....	36	894	1.1	3,457	0.5	1,818	0.8
Food preparations, not elsewhere specified.....	30	2,441	3.0	54,094	7.4	9,732	4.3	Dairymen's, poultrymen's, and apiculturists' supplies.....	12	434	0.5	3,177	0.4	1,308	0.6
Cars and general shop construction and repairs by steam-railroad companies.....	51	13,536	16.8	33,099	4.4	20,880	9.3	Stoves and hot-air furnaces.....	10	412	0.5	3,096	0.4	2,106	0.9
Glucose and starch.....	4	1,007	1.3	24,689	3.3	7,047	3.1	Druggists' preparations.....	15	234	0.3	3,070	0.4	1,059	0.5
Flour-mill and gristmill products.....	189	509	0.6	21,325	2.9	2,712	1.2	Books and shoes.....	6	653	0.8	3,047	0.4	777	0.3
Printing and publishing, newspapers and periodicals.....	774	3,362	4.2	20,431	2.7	14,935	6.6	Artificial stone products.....	255	672	0.8	2,962	0.4	1,674	0.7
Bread and other bakery products.....	538	2,583	3.2	20,244	2.7	7,733	3.4	Wall plaster and composition flooring	7	884	1.1	2,626	0.4	1,788	0.8
Foundry and machine-shop products.....	198	3,529	4.4	18,545	2.5	10,475	4.7	Signs and advertising novelties.....	17	350	0.4	2,367	0.3	1,728	0.8
Engines, steam, gas, and water.....	17	2,739	3.4	17,011	2.4	8,716	3.9	Hardware.....	10	578	0.7	2,258	0.3	1,339	0.6
Lumber, planing-mill products, not including planing mills connected with sawmills.....	97	3,211	4.0	16,388	2.2	7,802	3.4	Pickles, preserves, and sauces.....	14	311	0.4	2,208	0.3	740	0.3
Confectionery and ice cream.....	182	1,739	2.2	11,535	1.5	4,904	2.1	Marble and stone work.....	58	244	0.3	2,169	0.3	1,138	0.5
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	47	689	0.9	11,450	1.5	1,684	0.7	Clothing, women's.....	10	503	0.6	2,069	0.3	924	0.4
Washing machines and clothes wringers.....	14	1,063	1.3	8,815	1.2	4,186	1.9	Mattresses and spring beds, not elsewhere specified.....	15	239	0.3	1,992	0.3	869	0.4
Brick and tile, terra-cotta, and fire-clay products.....	113	2,452	3.0	8,127	1.1	5,488	2.4	Fur goods.....	20	268	0.3	1,846	0.2	1,041	0.5
Cement.....	4	1,017	1.3	8,121	1.1	2,941	1.3	Ice, manufactured.....	46	504	0.6	1,841	0.2	1,309	0.6
Canning and preserving, fruits and vegetables.....	62	1,271	1.6	8,015	1.1	2,748	1.2	Automobile bodies and parts.....	37	460	0.6	1,713	0.2	897	0.4
Patent medicines and compounds.....	90	893	0.5	6,349	0.9	4,395	2.0	Structural ironwork, not made in steel works or rolling mills.....	17	224	0.3	1,699	0.2	690	0.3
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	9	839	1.0	6,333	0.8	2,614	1.2	Coffins, burial cases, and undertakers' goods.....	8	318	0.4	1,649	0.2	777	0.3
Agricultural implements.....	26	906	1.1	5,959	0.8	3,137	1.4	Mineral and soda waters.....	108	207	0.3	1,633	0.2	807	0.4
Automobile repairing.....	579	1,355	1.7	5,807	0.8	3,475	1.5	Automobiles.....	6	104	0.1	1,584	0.2	431	0.2
Gas, illuminating and heating.....	68	727	0.9	5,738	0.8	3,098	1.4	Carriages and wagons, including repairs.....	60	399	0.5	1,544	0.2	903	0.4
Buttons.....	77	2,091	2.6	5,615	0.8	3,139	1.4	Gloves and mittens, leather.....	6	290	0.4	1,520	0.2	767	0.3
Printing and publishing, book and job.....	207	1,244	1.5	5,210	0.7	3,306	1.5	Tools, not elsewhere specified.....	17	343	0.4	1,468	0.2	820	0.4
Coffee, roasting and grinding.....	16	173	0.2	5,129	0.7	773	0.3	Boxes, paper and other, not elsewhere specified.....	10	238	0.3	1,438	0.2	469	0.2
Copper, tin, and sheet-iron work.....	120	803	1.0	5,062	0.7	2,428	1.1	Soap.....	7	82	0.1	1,427	0.2	434	0.2
Saddlery and harness.....	110	395	0.5	4,168	0.6	1,578	0.7	Pumps, steam and other power.....	4	323	0.4	1,379	0.2	733	0.3
								Perfumery and cosmetics.....	9	119	0.1	1,240	0.2	549	0.2
								Steam fittings and steam and hot-water heating apparatus.....	5	167	0.2	1,190	0.2	798	0.4
								Condensed milk.....	3	51	0.1	1,094	0.1	301	0.1
								Brooms, from broom corn.....	44	198	0.2	1,052	0.1	507	0.2
								All other industries.....	528	9,045	11.2	56,421	7.6	23,984	10.6

¹ 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: "Cars, steam-railroad, not including operations of railroad companies"; "oil, vegetable and composite"; and "phonographs and graphophones."

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

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	105,439	87,984	17,455	83.4	16.6	Clerks and other subordinate salaried employees.	1919	13,923	9,312	4,611	66.9	33.1
	1914	82,631	70,211	12,420	85.0	15.0		1914	10,623	7,800	2,738	74.2	25.8
	1909	78,360	66,202	12,158	84.5	15.5		1909	7,911	5,854	2,057	74.0	26.0
Proprietors and officials.....	1919	10,985	10,592	373	96.6	3.4	Wage earners (average number).....	1919	80,551	68,080	12,471	84.5	15.5
	1914	8,890	8,685	205	97.7	2.3		1914	63,113	53,636	9,477	85.0	15.0
	1909	8,814	8,578	236	97.3	2.7		1909	61,635	51,770	9,865	84.0	16.0
Proprietors and firm members.....	1919	5,393	5,209	184	96.6	3.4	16 years of age and over.....	1919	79,820	67,641	12,179	84.7	15.3
	1914	5,421	5,263	158	97.1	2.9		1914	62,509	53,224	9,285	85.1	14.9
	1909	5,323	5,137	186	96.5	3.5		1909	60,588	51,128	9,460	84.4	15.6
Salaried officers of corporations.....	1919	1,883	1,819	64	96.6	3.4	Under 16 years of age.....	1919	731	439	292	60.1	39.9
	1914	1,283	1,247	36	97.2	2.8		1914	604	412	192	68.2	31.8
	1909	1,424	1,399	25	98.2	1.8		1909	1,047	642	405	61.3	38.7
Superintendents and managers.....	1919	3,689	3,564	125	96.6	3.4							
	1914	2,183	2,175	11	99.5	0.5							
	1909	2,067	2,042	25	98.8	1.2							

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	80,551	84.0	15.1	0.9	Food preparations, not elsewhere specified...	1919	2,441	77.4	22.5	0.1
	1914	63,113	84.3	14.7	1.0		1914	1,371	72.9	23.6	3.4
	1909	61,635	83.0	15.3	1.7	Foundry and machine-shop products ¹	1919	3,548	97.7	2.0	0.3
Agricultural implements.....	1919	906	96.7	2.3	1.0		1914	3,065	98.5	1.3	0.2
	1914	1,164	99.7	0.1	0.2	Furniture.....	1919	894	91.2	8.3	0.6
Artificial stone products.....	1919	672	99.4	0.3	0.3		1914	1,106	98.7	1.1	0.2
	1914	809	99.6	0.2	0.1	Gas, illuminating and heating.....	1919	727	99.6	0.4	.....
Automobile repairing.....	1919	1,355	98.8	1.1	0.1		1914	788	100.0	.....	.....
	1914	200	100.0	.....	.....	Glucose and starch ²	1919	1,007	95.7	4.3	.....
Boots and shoes.....	1919	653	49.3	48.5	2.1	Hardware.....	1919	578	86.0	13.8	0.2
	1914	389	54.0	41.6	4.4		1914	543	88.8	10.5	0.7
Bread and other bakery products.....	1919	2,583	63.0	33.7	3.3	Ice, manufactured.....	1919	504	98.8	1.2	.....
	1914	2,182	73.2	25.6	1.2		1914	192	99.5	0.5	.....
Brick and tile, terra-cotta, and fire-clay products.	1919	2,452	99.6	0.1	0.3	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1919	3,211	95.3	4.0	0.7
	1914	3,163	99.6	(¹)	0.4		1914	2,970	99.4	0.1	0.4
Butter.....	1919	1,595	86.5	13.0	0.5	Poultry, killing and dressing, not done in slaughtering and meat-packing establish- ments.	1919	689	79.0	20.3	0.7
	1914	1,274	87.8	12.0	0.2		1914	481	86.9	11.6	1.5
Buttons.....	1919	2,091	62.5	34.0	3.6	Printing and publishing, book and job.....	1919	1,244	65.0	32.1	2.9
	1914	2,406	70.6	28.7	0.7		1914	1,303	70.0	27.8	2.2
Canning and preserving, fruits and vegetables	1919	1,271	61.4	38.2	0.5	Printing and publishing, newspapers and periodicals.	1919	3,352	71.9	25.1	3.0
	1914	904	55.5	42.3	2.2		1914	3,397	73.7	23.8	2.5
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	13,536	99.4	0.6	.....	Rubber tires, tubes, and rubber goods, not elsewhere specified. ¹	1919	839	92.8	7.2	.....
	1914	8,024	100.0	(¹)	(¹)	Slaughtering and meat packing.....	1919	7,134	89.7	10.1	0.2
Cement ²	1919	1,017	98.6	1.4	.....		1914	4,413	92.3	6.5	1.1
Clothing, men's.....	1919	705	7.4	91.8	0.9	Tobacco, cigars.....	1919	1,305	41.9	56.2	1.9
	1914	880	6.0	92.6	1.4		1914	1,662	54.2	42.4	3.5
Clothing, women's.....	1919	563	25.4	74.6	.....	Wall plaster and composition flooring.....	1919	884	99.8	.....	0.2
	1914	563	22.7	76.9	0.4		1914	599	100.0	.....	.....
Confectionery and ice cream.....	1919	1,739	43.1	54.5	2.4	Washing machines and clothes wringers.....	1919	1,053	98.6	1.1	0.3
	1914	1,519	42.4	55.4	2.2		1914	375	97.6	1.9	0.5
Copper, tin, and sheet-iron work.....	1919	803	97.5	1.7	0.7	All other industries.....	1919	16,002	76.2	22.3	1.5
	1914	558	96.2	3.8	.....		1914	14,846	82.2	16.7	1.1
Engines, steam, gas, and water.....	1919	2,739	98.8	1.1	0.1						
	1914	1,197	100.0	.....	.....				
Flour-mill and gristmill products.....	1919	509	98.8	0.8	0.4						
	1914	790	90.3	9.7	.....					

¹ Less than one-tenth of 1 per cent.² Not shown separately in 1914.³ Includes "iron and steel, tempering and welding."

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.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.		
	Total.			16 years of age and over.						Under 16 years of age.					
				Male.			Female.								
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Boone.....	369	256	166	257	152	132	105	102	31	7	2	3	\$1,549,837	\$908,073	\$460,098
Burlington.....	2,274	2,246	3,191	1,525	1,080	2,600	707	528	487	42	138	44	12,090,058	16,865,655	8,443,296
Cedar Rapids.....	6,284	4,394	3,565	5,279	3,671	2,795	985	672	674	19	51	96	92,118,386	34,988,838	24,824,278
Clinton.....	3,452	2,679	2,414	2,969	2,290	2,156	499	362	217	14	27	41	30,321,143	10,427,432	7,479,515
Council Bluffs.....	1,891	1,336	1,434	1,575	1,036	1,207	314	277	222	2	23	5	10,610,664	4,279,165	3,768,508
Davenport.....	3,028	3,958	4,231	2,880	2,952	3,203	1,010	976	956	38	30	72	32,587,229	17,172,963	18,801,842
Des Moines.....	7,085	5,306	5,383	5,310	4,194	4,208	1,628	1,075	1,067	147	37	108	59,830,954	23,746,551	23,584,667
Dubuque.....	6,147	5,171	5,160	5,016	4,071	4,153	1,074	1,043	955	57	57	52	34,277,085	14,714,143	15,249,199
Fort Dodge.....	1,605	951	1,115	1,299	905	834	305	238	252	1	18	29	10,884,039	4,871,421	2,975,459
Fort Madison.....	1,029			819			208			2			4,836,291		
Iowa City.....	322	350	282	230	234	206	92	114	76		2		1,767,313	1,333,106	805,046
Keokuk.....	1,598	1,333	1,541	1,272	1,046	1,181	301	262	334	25	25	26	17,554,816	8,250,274	7,398,733
Marshalltown.....	1,338	1,060	1,365	1,178	974	1,207	156	86	132	4	1	26	8,642,468	5,149,858	4,821,805
Mason City.....	2,367	2,054	807	2,235	1,995	768	112	55	41	20	4		29,512,534	11,742,456	2,880,732
Muscatine.....	2,522	2,397	3,496	1,895	1,781	2,618	552	584	759	75	32	119	10,753,750	5,999,485	6,165,866
Ottumwa.....	2,601	2,447	2,650	2,133	1,944	2,025	454	471	546	14	32	79	45,029,524	21,299,929	14,838,315
Sioux City.....	6,749	4,758	3,750	5,738	3,954	3,293	1,001	749	412	10	50	45	140,393,134	49,479,444	37,424,450
Waterloo.....	4,620	3,483	3,124	4,143	3,183	2,712	421	297	409	56	3	3	35,481,225	14,120,178	8,999,420

¹ Figures do not agree with those published, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	75,550	61,051	55,649	88.0	90.0	81.8	July.....	81,343	63,519	62,215	94.8	93.6	91.5
February.....	75,141	60,556	56,081	87.6	89.7	82.5	August.....	83,928	87,845	66,408	97.8	100.0	97.7
March.....	75,692	62,144	57,612	88.2	91.6	85.2	September.....	85,417	67,085	68,006	99.5	98.9	100.0
April.....	76,185	62,070	60,828	88.8	92.8	88.7	October.....	84,496	63,639	64,097	98.5	93.8	94.3
May.....	77,080	62,082	61,440	90.9	92.8	90.3	November.....	85,825	60,946	62,895	100.0	89.8	92.5
June.....	79,993	63,668	62,681	93.2	93.8	92.0	December.....	85,086	80,661	62,018	99.2	89.4	91.2

¹ 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.....	80,551	75,550	75,141	75,692	76,185	77,080	79,993	81,343	83,928	85,417	84,496	85,825	85,086	87.6
Males.....	68,080	63,783	63,765	64,666	65,131	66,561	68,270	69,612	70,045	70,808	70,866	71,994	71,459	88.6
Females.....	12,471	11,773	11,376	11,026	11,054	11,419	11,693	11,731	13,883	14,609	13,630	13,831	13,627	75.5
Agricultural implements.....	906	886	913	924	915	881	892	900	854	856	909	951	991	86.2
Artificial stone products.....	672	911	843	446	699	771	824	846	927	938	825	645	489	35.2
Automobile repairing.....	1,355	1,119	1,139	1,204	1,329	1,371	1,453	1,508	1,532	1,497	1,407	1,377	1,324	75.0
Boots and shoes.....	658	628	648	658	674	668	701	683	659	633	621	610	658	87.0
Bread and other bakery products.....	2,583	2,439	2,361	2,227	2,389	2,487	2,599	2,625	2,688	2,709	2,735	2,881	2,856	77.3
Brick and tile, terra-cotta, and fire-clay products.....	2,452	1,104	1,223	1,908	2,470	2,872	3,103	3,131	3,199	3,144	2,995	2,542	1,733	34.5
Butter.....	1,595	1,321	1,260	1,243	1,470	1,680	1,881	1,784	1,713	1,774	1,745	1,701	1,568	66.1
Buttons.....	2,091	2,040	2,070	2,145	1,976	1,939	1,959	1,983	2,030	2,005	2,104	2,284	2,497	77.7
Canning and preserving, fruits and vegetables.....	1,271	370	389	372	357	441	478	494	4,302	5,365	1,591	779	377	6.1
Cars and general shop construction and repairs by steam-railroad companies.....	13,536	13,836	13,818	13,566	13,385	13,420	13,167	13,248	13,187	13,339	13,611	13,828	14,037	93.7
Cement.....	1,017	556	539	704	976	1,083	1,182	1,191	1,275	1,310	1,283	1,169	959	40.9
Clothing, men's.....	705	622	627	561	592	653	690	766	777	755	781	792	844	60.5
Clothing, women's.....	508	480	487	509	474	467	486	483	502	525	558	529	532	84.0
Confectionery and ice cream.....	1,739	1,557	1,554	1,559	1,620	1,666	1,753	1,690	1,818	1,935	1,879	1,996	1,821	77.1
Copper, tin, and sheet-iron work.....	808	788	720	654	714	716	769	813	844	867	916	911	924	70.8
Engines, steam, gas, and water.....	2,739	3,063	3,390	3,535	3,165	3,030	3,066	3,003	1,439	1,619	2,116	2,485	2,906	42.1
Flour-mill and gristmill products.....	509	518	507	503	493	477	476	475	484	497	542	560	578	82.5
Food preparations, not elsewhere specified.....	2,441	2,696	2,071	1,835	1,710	1,886	2,083	2,316	2,827	2,995	2,945	3,173	2,754	53.9
Foundry and machine-shop products.....	3,529	3,329	3,384	3,354	3,360	3,427	3,441	3,519	3,403	3,509	3,771	3,870	3,971	84.1
Furniture.....	894	730	762	801	821	848	869	903	931	974	1,011	1,043	1,035	70.0
Gas, illuminating and heating.....	727	727	698	714	732	729	711	718	728	748	730	741	750	92.8
Glucose and starch.....	1,007	1,431	1,264	1,061	1,253	1,272	823	834	849	856	869	809	763	53.3
Hardware.....	578	469	481	470	470	495	529	547	632	684	714	718	717	65.3
Ice, manufactured.....	504	535	521	479	322	405	556	717	712	636	503	349	313	43.7
Lumber, planing-mill products, not including planing mills connected with sawmills.....	3,211	2,461	2,686	2,754	2,864	3,045	3,308	3,433	3,555	3,544	3,587	3,633	3,622	87.5

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TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Percent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	689	658	207	261	374	410	511	449	494	734	1,004	1,438	1,648	15.2
Printing and publishing, book and job.....	1,244	1,170	1,177	1,187	1,187	1,208	1,209	1,228	1,230	1,255	1,317	1,358	1,402	83.5
Printing and publishing, newspapers and periodicals.....	3,352	3,170	3,237	3,290	3,302	3,288	3,271	3,296	3,311	3,229	3,523	3,559	3,764	84.4
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	889	840	687	760	788	814	911	844	963	958	995	910	903	54.3
Slaughtering and meat packing.....	7,134	8,170	7,757	7,499	6,706	6,718	7,104	7,161	6,487	6,036	6,641	7,292	8,054	73.8
Tobacco, cigars.....	1,305	1,252	1,296	1,302	1,293	1,268	1,243	1,230	1,329	1,346	1,364	1,384	1,353	88.9
Wall plaster and composition flooring.....	884	677	590	638	712	787	854	1,011	1,074	1,070	1,113	1,160	1,022	49.7
Washing machines and clothes wringers.....	1,063	815	867	1,004	1,041	1,072	1,068	1,091	1,075	1,084	1,100	1,154	1,185	77.2
All other industries.....	16,021	15,098	15,296	15,598	15,557	15,711	16,070	16,316	16,048	15,905	16,633	17,194	16,738	87.8
<i>Industries showing large proportion of females.</i>														
Boots and shoes.....	321	315	320	325	333	317	331	325	318	311	313	308	336	91.7
Bread and other bakery products.....	899	897	834	730	822	871	912	901	926	939	969	1,007	980	72.5
Butter.....	207	138	112	116	185	259	288	228	214	274	244	227	199	38.9
Buttons.....	768	733	776	788	758	742	766	730	711	753	818	857	857	83.0
Canning and preserving, fruits and vegetables.....	486	96	88	89	84	110	111	116	1,765	2,325	701	280	92	3.6
Clothing, men's.....	652	573	575	519	542	601	637	711	721	701	725	736	783	66.3
Clothing, women's.....	375	358	357	374	346	341	358	356	373	398	429	405	405	79.5
Confectionery and ice cream.....	954	913	929	899	879	881	879	781	898	1,061	1,069	1,213	1,076	64.4
Food preparations, not elsewhere specified.....	550	649	398	313	201	328	380	494	757	740	748	858	674	80.4
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	143	113	53	39	83	104	128	93	104	173	225	308	313	10.5
Printing and publishing, book and job.....	411	398	393	392	387	391	384	394	393	401	448	461	490	78.4
Printing and publishing, newspapers and periodicals.....	889	864	900	895	892	860	858	850	834	717	933	953	1,112	64.5
Slaughtering and meat packing.....	722	787	740	729	674	709	715	707	683	668	689	759	804	83.1
Tobacco, cigars.....	743	722	757	746	728	722	708	687	765	767	775	793	751	86.6
Total for cities.....	56,181	53,492	53,224	53,330	52,791	54,240	56,176	57,254	56,552	57,133	58,722	60,532	60,727	86.9
Males.....	46,097	43,656	43,696	44,087	43,577	44,703	46,528	47,523	46,155	46,934	47,906	49,246	49,633	87.8
Females.....	10,084	9,836	9,528	9,243	9,214	9,537	9,648	9,731	10,397	10,199	10,816	11,286	11,094	81.6
BOONE.....	369	371	357	359	355	356	380	375	379	366	375	381	377	92.4
Males.....	261	262	251	251	245	250	256	252	275	274	272	273	268	88.4
Females.....	108	109	106	108	109	106	124	113	104	82	103	108	114	74.2
BURLINGTON.....	2,274	2,024	2,078	2,158	2,132	2,246	2,203	2,305	2,372	2,344	2,460	2,479	2,487	81.4
Males.....	1,544	1,370	1,396	1,436	1,422	1,520	1,487	1,574	1,645	1,620	1,670	1,675	1,713	80.0
Females.....	730	654	682	722	710	726	716	731	727	724	790	804	774	81.3
CEDAR RAPIDS.....	6,284	6,840	6,201	6,550	6,887	5,985	6,034	6,249	6,535	6,650	6,584	6,542	6,492	82.7
Males.....	5,295	5,717	5,290	5,497	5,857	5,157	5,203	5,269	5,356	5,421	5,373	5,381	5,477	86.4
Females.....	989	1,123	911	753	728	828	831	980	1,179	1,229	1,161	1,161	1,015	58.7
CLINTON.....	3,452	3,184	3,247	3,078	3,245	3,428	3,527	3,490	3,525	3,493	3,727	3,658	3,658	82.4
Males.....	2,981	2,719	2,796	2,724	2,807	2,960	3,043	3,055	3,048	3,139	3,176	3,187	3,118	84.0
Females.....	471	465	451	354	438	468	484	435	477	499	507	540	540	64.4
COUNCIL BLUFFS.....	1,391	1,689	1,757	1,756	1,805	1,848	1,800	1,953	2,007	2,065	2,018	1,958	1,946	81.8
Males.....	1,577	1,403	1,443	1,482	1,494	1,515	1,573	1,668	1,682	1,710	1,677	1,636	1,663	82.0
Females.....	314	286	314	274	311	333	317	287	325	355	341	322	283	79.7
DAVENPORT.....	3,928	3,671	3,718	3,724	3,685	3,721	3,805	3,785	3,927	4,027	4,130	4,461	4,482	81.9
Males.....	2,897	2,663	2,713	2,747	2,733	2,779	2,866	2,842	2,891	2,956	3,016	3,270	3,298	80.4
Females.....	1,031	1,018	1,005	977	952	942	939	943	1,036	1,071	1,114	1,191	1,184	78.8
DES MOINES.....	7,085	6,320	6,239	6,510	6,654	6,748	7,137	7,195	7,366	7,425	7,873	7,959	7,594	78.4
Males.....	5,420	4,761	4,696	4,953	5,078	5,166	5,467	5,573	5,770	5,776	6,098	6,102	5,708	77.0
Females.....	1,665	1,559	1,543	1,557	1,576	1,582	1,670	1,622	1,596	1,649	1,775	1,857	1,886	81.8
DUBUQUE.....	6,147	5,587	5,805	5,661	5,643	5,846	6,046	6,218	6,406	6,480	6,548	6,770	6,754	82.5
Males.....	5,036	4,492	4,728	4,615	4,604	4,785	4,955	5,107	5,284	5,320	5,417	5,651	5,574	80.6
Females.....	1,111	1,095	1,077	1,046	1,039	1,061	1,091	1,111	1,122	1,160	1,131	1,219	1,180	85.2
FORT DODGE.....	1,605	1,327	1,198	1,283	1,289	1,398	1,500	1,694	1,864	1,913	1,983	1,988	1,845	60.3
Males.....	1,300	1,010	922	1,030	1,036	1,135	1,238	1,444	1,517	1,559	1,612	1,602	1,446	59.7
Females.....	305	308	276	253	253	263	262	250	347	354	371	386	399	58.4
FORT MADISON.....	1,029	885	878	952	960	957	1,018	1,081	1,135	1,113	1,112	1,137	1,180	69.9
Males.....	819	677	720	757	748	761	796	866	902	888	871	911	933	72.6
Females.....	210	148	158	195	212	196	222	215	233	227	241	226	247	59.9
IOWA CITY.....	322	251	259	263	270	279	308	347	387	390	363	387	360	64.4
Males.....	230	176	190	188	195	204	227	257	282	269	264	272	256	64.7
Females.....	92	75	69	75	75	75	81	90	125	121	99	115	104	55.2
KEOKUK.....	1,598	1,478	1,496	1,514	1,523	1,527	1,547	1,636	1,620	1,648	1,704	1,793	1,690	82.4
Males.....	1,289	1,164	1,169	1,197	1,235	1,242	1,245	1,354	1,328	1,349	1,392	1,449	1,354	79.6
Females.....	309	324	327	317	288	285	302	282	292	299	312	344	336	82.0
MARSHALLTOWN.....	1,338	1,180	1,170	1,204	1,195	1,203	1,262	1,372	1,371	1,559	1,498	1,506	1,527	76.6
Males.....	1,182	1,094	1,058	1,058	1,048	1,055	1,115	1,224	1,229	1,329	1,296	1,320	1,358	77.2
Females.....	156	95	112	146	147	148	147	148	142	230	202	186	169	41.3
MASON CITY.....	2,387	1,851	1,692	2,085	2,267	2,499	2,704	2,688	2,588	2,521	2,486	2,478	2,545	62.6
Males.....	2,253	1,732	1,592	2,170	2,384	2,574	2,564	2,474	2,405	2,371	2,358	2,421	2,421	61.8
Females.....	114	119	100	94	97	115	130	124	114	115	120	124	124	72.3
MUSCATINE.....	2,522	2,180	2,308	2,423	2,330	2,387	2,451	2,547	2,762	2,677	2,642	2,723	2,834	76.9
Males.....	1,920	1,683	1,733	1,833	1,780	1,811	1,871	1,907	2,120	2,051	2,086	2,085	2,190	74.1
Females.....	602	557	575	590	550	576	580	640	642	626	606	638	644	85.4
OTTUMWA.....	2,601	2,572	2,576	2,578	2,576	2,455	2,638	2,603	2,554	2,555	2,505	2,803	2,867	82.9
Males.....	2,142	2,110	2,105	2,125	2,080	2,028	2,220	2,194	2,104	2,092	2,149	2,283	2,384	84.0
Females.....	459	462	471	453	496	427	418	409	450	463	496	520	533	76.7
SIOUX CITY.....	6,749	7,068	6,960	6,832	6,440	6,419	6,684	6,786	6,619	6,421	6,835	6,945	6,979	90.8
Males.....	5,744	6,083	5,966	5,856	5,482	5,457	5,731	5,814	5,630	5,404	5,787	5,840	5,878	88.8
Females.....	1,005	985	994	976	958	962	953	972	989	1,017	1,048	1,105	1,101	86.2
WATERLOO.....	4,620	5,064	5,295	5,317	4,938	4,940	5,042	4,930	5,155	5,341	5,333	4,495	5,110	59.0
Males.....	4,198	4,611	4,888	4,927	4,583	4,554	4,661	4,551	4,658	4,834	4,820	4,051	4,649	53.5
Females.....	422	453	407	390	355	386	381	379	497	507	404	444	461	70.0

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	80,551	1,411	4,484	24,733	6,657	15,543	12,013	12,996	2,714
	1914	63,113	(²)	(²)	10,906	4,210	12,484	7,662	22,800	4,991
	1909	61,635	(²)	(²)	6,594	2,034	8,972	11,125	27,049	5,861
Agricultural implements.....	1919	906	—	76	2	213	204	315	96	—
	1914	1,184	(²)	(²)	1	141	37	405	580	—
Artificial stone products.....	1919	672	10	—	64	11	134	34	410	—
	1914	809	(²)	(²)	41	21	168	32	547	—
Automobile repairing.....	1919	1,355	4	—	165	29	393	32	717	15
	1914	200	(²)	(²)	9	—	32	14	140	5
Boots and shoes.....	1919	653	—	—	—	146	265	242	—	—
	1914	389	(²)	(²)	1	—	—	243	145	—
Bread and other bakery products.....	1919	2,583	35	345	447	353	504	46	732	121
	1914	2,182	(²)	(²)	97	115	288	588	930	158
Brick and tile, terra-cotta, and fire-clay products.....	1919	2,452	—	—	152	5	553	21	1,721	—
	1914	3,163	(²)	(²)	118	12	487	19	2,423	104
Butter.....	1919	1,595	44	5	447	14	236	127	607	55
	1914	1,274	(²)	(²)	158	37	106	16	774	183
Buttons.....	1919	2,091	45	2	1	615	333	989	102	4
	1914	2,406	(²)	(²)	3	302	664	824	553	—
Canning and preserving, fruits and vegetables.....	1919	1,271	15	—	32	7	85	44	862	226
	1914	904	(²)	(²)	78	38	1	—	593	194
Cars and general shop construction and repairs by steam-railroad companies.	1919	13,536	—	3,656	6,461	—	479	2,940	—	—
	1914	8,024	(²)	(²)	4,301	676	2,166	16	154	711
Cement. ³	1919	1,017	—	—	—	—	230	—	—	787
Clothing, men's.....	1919	705	242	40	73	242	108	—	—	—
	1914	880	(²)	(²)	188	386	65	157	84	—
Clothing, women's.....	1919	503	—	28	67	408	—	—	—	—
	1914	563	—	—	—	171	25	341	26	—
Confectionery and ice cream.....	1919	1,739	6	1	201	347	274	252	552	106
	1914	1,519	(²)	(²)	27	2	172	277	895	146
Copper, tin, and sheet-iron work.....	1919	803	41	—	271	52	369	26	44	—
	1914	658	(²)	(²)	74	78	215	26	165	—
Engines, steam, gas, and water.....	1919	2,739	—	4	584	—	1,005	383	703	—
	1914	1,107	(²)	(²)	466	—	602	59	80	—
Flour-mill and gristmill products.....	1919	509	3	—	112	9	30	3	204	88
	1914	790	(²)	(²)	26	2	15	—	655	92
Food preparations, not elsewhere specified.....	1919	2,441	1	—	1,717	28	33	243	233	186
	1914	1,371	(²)	(²)	9	3	4	26	427	902
Foundry and machine-shop products. ⁴	1919	3,548	28	9	238	179	1,596	807	685	6
	1914	3,065	(²)	(²)	39	209	619	837	1,360	1
Furniture.....	1919	894	40	—	160	412	220	20	42	—
	1914	1,106	—	—	—	27	538	266	215	60
Gas, illuminating and heating.....	1919	727	3	—	68	7	173	162	46	268
	1914	768	(²)	(²)	27	—	14	126	322	279
Glucose and starch. ³	1919	1,007	—	—	—	—	—	479	—	528
Hardware.....	1919	578	4	—	—	12	439	83	40	—
	1914	543	(²)	(²)	1	132	142	83	185	—
Ice, manufactured.....	1919	504	—	—	14	4	126	203	111	46
	1914	192	(²)	(²)	2	—	1	18	84	87
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	3,211	5	—	78	120	2,352	40	616	—
	1914	2,970	(²)	(²)	187	15	549	270	1,949	—
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	1919	689	—	—	6	—	56	20	607	—
	1914	481	(²)	(²)	8	16	47	—	359	51
Printing and publishing, book and job.....	1919	1,244	10	10	1,052	54	108	10	—	—
	1914	1,303	(²)	(²)	731	149	388	17	18	—
Printing and publishing, newspapers and periodicals.....	1919	3,352	29	12	2,074	353	596	223	65	—
	1914	3,397	(²)	(²)	1,486	359	1,003	313	228	8
Rubber tires, tubes, and rubber goods, not elsewhere specified. ³	1919	839	—	—	385	64	150	240	—	—
Slaughtering and meat packing.....	1919	7,134	136	—	5,190	—	28	41	1,741	—
	1914	4,413	(²)	(²)	7	—	207	—	4,194	5
Tobacco, cigars.....	1919	1,305	126	13	529	454	129	26	24	4
	1914	1,662	(²)	(²)	975	398	224	11	54	—
Wall plaster and composition flooring.....	1919	884	—	—	865	—	15	—	4	—
	1914	599	—	—	—	—	273	—	826	—
Washing machines and clothes wringers.....	1919	1,063	—	—	—	—	402	555	106	—
	1914	375	—	—	—	33	217	21	104	—
All other industries.....	1919	10,002	584	283	3,278	2,519	3,920	3,407	1,737	274
	1914	14,846	(²)	(²)	1,816	828	3,215	2,657	4,225	2,005

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Not shown separately in 1914.⁴ Includes "iron and steel, tempering and welding."

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. 1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Total for cities.....	1919 1914	56,181 44,174	1,148 (2)	3,509 (2)	18,184 7,716	5,076 2,012	12,019 8,124	6,610 5,665	6,999 15,751	2,066 4,006
BOONE.....	1919 1914	369 256	(2) (2)	2 (2)	266 59	3 9	71 20	16 77	6 70	5 21
BURLINGTON.....	1919 1914	2,274 2,246	192 (2)	34 (2)	562 373	1,238 35	137 299	31 279	72 1,176	8 34
CEDAR RAPIDS.....	1919 1914	6,284 4,394	10 (2)	52 (2)	4,309 917	297 54	748 345	205 310	400 1,465	263 1,303
CLINTON.....	1919 1914	3,452 2,679	5 (2)	194 (2)	1,025 611	283 230	771 225	491 620	79 574	4 369
COUNCIL BLUFFS.....	1919 1914	1,891 1,330	50 (2)	132 (2)	133 218	14 113	146 106	799 135	538 579	79 185
DAVENPORT.....	1919 1914	3,928 3,958	374 (2)	13 (2)	641 968	350 501	897 639	409 472	970 1,171	184 207
DES MOINES.....	1919 1914	7,085 5,306	338 (2)	437 (2)	2,897 1,078	790 318	1,789 1,922	566 697	201 1,026	67 265
DUBUQUE.....	1919 1914	6,147 5,171	(2) (2)	1,390 (2)	448 1,202	525 180	2,902 942	503 596	379 2,142	109
FORT DODGE.....	1919 1914	1,005 951	2 (2)	(2)	346 29	10 49	393 150	489 261	396 400	19 62
FORT MADISON ¹	1919	1,029	14	77	461	295	32	78	8	64
IOWA CITY.....	1919 1914	322 350	12 (2)	(2)	124 59	42 88	122 108	19	14 56	8 20
KEOKUK.....	1919 1914	1,598 1,333	3 (2)	3 (2)	126 101	77 114	260 132	484 148	273 522	372 318
MARSHALLTOWN.....	1919 1914	1,338 1,060	3 (2)	(2)	554 80	58 151	340 401	98 50	271 358	14 20
MASON CITY.....	1919 1914	2,367 2,054	4 (2)	137 (2)	707 103	24 66	25 235	154 5	547 750	769 895
MUSCATINE.....	1919 1914	2,522 2,397	6 (2)	(2)	125 226	346 365	656 442	966 503	895 789	8 2
OTTUMWA.....	1919 1914	2,601 2,447	(2) (2)	(2)	1,405 94	665 163	403 450	21 48	73 1,637	34 55
SIOUX CITY.....	1919 1914	6,749 4,753	125 (2)	352 (2)	2,671 952	520 240	584 462	241 637	2,161 2,367	95 95
WATERLOO.....	1919 1914	4,620 3,483	8 (2)	688 (2)	784 646	139 136	1,743 1,246	999 718	186 689	73 48

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Not shown separately in 1914.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.	6 to 20 wage earners, inclusive.	21 to 50 wage earners, inclusive.	51 to 100 wage earners, inclusive.	101 to 250 wage earners, inclusive.	251 to 500 wage earners, inclusive.	501 to 1,000 wage earners, inclusive.	Over 1,000 wage earners.								
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.				
All industries.....	5,683	80,551	779	3,492	7,101	813	8,921	322	10,468	135	9,470	96	15,048	25	8,650	12	8,878	9	12,015
Agricultural implements.....	26	906	2	9	18	8	90	2	75	1	77	4	046	.....	.....	.....	.....	.....	.....
Artificial stone products.....	255	672	39	187	273	24	256	5	143	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Automobile repairing.....	579	1,355	41	498	998	40	357	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boots and shoes.....	6	653	.....	.....	.....	1	11	1	43	1	60	2	274	1	265	.....	.....	.....	.....
Bread and other bakery products.....	538	2,583	80	393	750	44	441	14	433	2	119	5	840	.....	.....	.....	.....	.....	.....
Brick and tile, terra-cotta, and fire-clay products.....	113	2,452	1	47	160	32	357	15	541	14	880	4	514	.....	.....	.....	.....	.....	.....
Butter.....	411	1,595	26	342	628	35	398	4	133	1	78	3	358	.....	.....	.....	.....	.....	.....
Buttons.....	77	2,091	4	28	70	24	294	9	282	5	367	7	1,078	.....	.....	.....	.....	.....	.....
Canning and preserving, fruits and vegetables.....	62	1,271	.....	8	23	30	369	23	695	.....	.....	1	184	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	51	13,536	.....	6	15	4	70	5	180	7	470	13	2,250	7	2,446	6	4,399	3	3,700
Cement.....	4	1,017	.....	.....	.....	.....	.....	.....	.....	1	53	1	230	2	734	.....	.....	.....	.....
Clothing, men's.....	18	705	.....	2	3	2	38	10	371	4	293	.....	.....	.....	.....	.....	.....	.....	.....
Clothing, women's.....	10	503	.....	.....	.....	3	33	5	153	1	67	1	250	.....	.....	.....	.....	.....	.....
Confectionery and ice cream.....	182	1,739	23	120	234	22	242	7	239	9	680	.....	.....	1	344	.....	.....	.....	.....
Copper, tin, and sheet-iron work.....	120	803	6	83	145	25	250	1	22	4	247	1	139	.....	.....	.....	.....	.....	.....

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.	6 to 20 wage earners, inclusive.	21 to 50 wage earners, inclusive.	51 to 100 wage earners, inclusive.	101 to 250 wage earners, inclusive.	251 to 500 wage earners, inclusive.	501 to 1,000 wage earners, inclusive.	Over 1,000 wage earners.								
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.				
Engines, steam, gas, and water.....	17	2,739	.....	4	13	4	38	2	53	1	63	3	496	1	366	2	1,710	.....	.....
Flour-mill and gristmill products.....	189	509	40	133	212	12	141	3	104	1	52	.....	.....	.....	.....	.....	.....	.....	.....
Food preparations, not elsewhere specified.	30	2,441	2	17	35	5	64	1	23	1	60	3	574	.....	.....	.....	.....	1	1,680
Foundry and machine-shop products.....	198	3,529	12	98	245	48	495	24	835	7	593	8	946	1	415	.....	.....	.....	.....
Furniture.....	33	894	2	12	32	9	114	10	344	2	184	1	220	.....	.....	.....	.....	.....	.....
Gas, illuminating and heating.....	68	727	1	47	119	9	117	8	229	2	139	1	123	.....	.....	.....	.....	.....	.....
Glucose and starch.....	4	1,007	1	.....	.....	.....	.....	.....	.....	1	1	1	231	2	776	.....	.....	.....	.....
Hardware.....	10	578	.....	2	4	4	61	.....	.....	2	161	2	352	.....	.....	.....	.....	.....	.....
Ice, manufactured.....	46	504	1	28	85	11	126	5	162	.....	.....	1	131	.....	.....	.....	.....	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills..	97	3,211	7	46	114	20	245	12	410	6	451	2	279	3	1,031	1	681	.....	.....
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	47	689	.....	19	61	21	257	4	115	3	256	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing, book and job.....	207	1,244	42	102	268	49	512	12	345	2	119	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals.....	774	3,352	179	504	1,088	62	633	20	598	5	321	3	459	1	253	.....	.....	.....	.....
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	9	889	1	.....	.....	3	48	1	24	1	57	2	325	1	385	.....	.....	.....	.....
Slaughtering and meat packing.....	21	7,134	.....	3	7	6	64	2	92	1	59	2	311	2	730	1	585	4	5,286
Tobacco, cigars.....	211	1,305	74	102	212	24	244	4	126	4	242	3	481	.....	.....	.....	.....	.....	.....
Wall plaster and composition flooring.....	7	884	.....	1	5	2	25	2	78	.....	.....	1	246	.....	.....	1	530	.....	.....
Washing machines and clothes wringers.....	14	1,063	.....	.....	.....	3	34	4	163	4	314	2	248	1	304	.....	.....	.....	.....
All other industries.....	1,240	16,021	106	651	1,284	227	2,497	107	3,452	43	3,002	19	2,863	2	601	1	973	1	1,349
Total for cities.....	2,310	59,181	234	1,106	2,587	520	5,821	238	7,822	103	7,275	75	11,843	21	7,224	7	5,320	6	8,289
BOONE.....	39	389	4	27	62	5	63	1	48	1	95	1	101	.....	.....	.....	.....	.....	.....
BURLINGTON.....	97	2,274	8	45	120	19	201	14	456	7	543	3	588	1	366	.....	.....	.....	.....
CEDAR RAPIDS.....	208	6,284	20	110	252	46	474	17	556	7	506	5	852	.....	.....	1	824	2	2,820
CLINTON.....	119	3,452	17	50	97	25	268	12	381	6	436	6	850	2	799	1	621	.....	.....
COUNCIL BLUFFS.....	111	1,891	10	61	131	24	273	10	318	2	119	1	122	3	928	.....	.....	.....	.....
DAVENPORT.....	219	3,928	17	117	276	47	517	19	666	8	551	9	1,236	2	682	.....	.....	.....	.....
DES MOINES.....	379	7,085	62	141	327	85	988	54	1,767	24	1,643	12	2,008	1	352	.....	.....	.....	.....
DUBUQUE.....	131	6,147	8	58	151	29	324	19	653	7	459	5	888	2	697	2	1,654	1	1,323
FORT DODGE.....	80	1,605	6	44	108	16	167	6	206	5	387	2	472	1	265	.....	.....	.....	.....
FORT MADISON.....	34	1,029	2	18	47	7	84	3	127	2	144	1	242	1	385	.....	.....	.....	.....
IOWA CITY.....	40	322	12	18	44	16	170	3	108	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
KEOKUK.....	71	1,598	8	31	88	13	132	10	354	5	303	3	424	1	297	.....	.....	.....	.....
MARSHALLTOWN.....	62	1,338	2	33	83	12	154	10	315	3	253	1	184	1	349	.....	.....	.....	.....
MASON CITY.....	59	2,367	3	30	70	12	136	4	118	3	181	4	542	2	734	1	586	.....	.....
MUSCATINE.....	146	2,822	9	84	194	37	474	4	103	3	233	8	1,171	1	347	.....	.....	.....	.....
OTTUMWA.....	94	2,601	8	46	101	22	252	11	337	3	244	3	450	.....	.....	.....	.....	1	1,217
SIoux CITY.....	251	6,749	20	121	275	70	722	20	597	10	707	6	874	2	645	.....	.....	2	2,929
WATERLOO.....	161	4,620	18	72	161	35	422	21	712	7	471	5	841	1	378	2	1,635	.....	.....

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.....	5,683	5,614	5,528	80,551	63,113	61,635	\$745,472,697	\$310,749,974	\$250,237,637	\$225,231,890	\$105,208,635	\$88,530,589
Less than \$5,000.....	1,491	2,144	2,281	930	2,230	2,639	3,888,673	5,438,188	5,437,954	2,426,493	3,452,552	3,474,403
\$5,000 to \$20,000.....	1,985	1,866	1,690	4,808	6,693	6,836	20,732,463	19,176,618	16,965,804	11,684,884	10,321,195	9,175,990
\$20,000 to \$100,000.....	1,381	1,105	1,156	10,219	13,110	14,344	64,432,786	51,971,869	50,150,907	25,566,436	19,864,668	18,679,284
\$100,000 to \$500,000.....	642	356	366	21,019	29,359	27,422	136,851,077	73,326,758	91,097,657	56,009,329	47,624,555	38,737,562
\$500,000 to \$1,000,000.....	87	49	---	8,489	---	---	58,983,459	35,203,676	---	24,585,177	---	---
\$1,000,000 and over.....	97	34	29	35,086	11,721	10,394	400,589,239	125,632,865	95,685,315	104,079,571	24,085,665	18,463,340
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.....	26.2	38.2	41.3	1.2	3.5	4.3	0.5	1.8	2.1	1.1	3.3	3.9
\$5,000 to \$20,000.....	34.9	33.2	30.7	6.0	10.6	11.1	2.8	6.2	6.5	5.2	9.8	10.4
\$20,000 to \$100,000.....	24.3	20.8	20.9	12.7	20.8	23.3	8.6	18.7	19.3	11.4	18.9	21.1
\$100,000 to \$500,000.....	11.3	6.3	---	26.1	46.5	44.5	18.4	23.6	---	24.9	---	---
\$500,000 to \$1,000,000.....	1.5	0.9	6.6	10.5	---	---	7.9	11.3	35.1	10.9	45.2	43.8
\$1,000,000 and over.....	1.7	0.6	0.5	43.6	18.6	16.0	61.8	40.4	36.9	46.6	22.8	20.9

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TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
BREAD AND OTHER BAKERY PRODUCTS.	538	518	100.0	100.0	2,583	2,182	100.0	100.0	\$20,244,067	\$9,150,514	100.0	100.0	\$7,733,476	\$3,984,791	100.0	100.0
Less than \$5,000.	63	168	11.7	32.4	19	126	0.7	5.8	188,144	522,761	0.9	5.7	67,583	249,099	0.9	6.3
\$5,000 to \$20,000.	299	290	55.6	56.0	370	633	14.3	29.0	3,278,778	2,911,835	16.2	31.8	1,244,090	1,322,560	16.1	33.2
\$20,000 to \$100,000.	146	40	27.1	8.9	685	416	26.5	19.1	5,851,618	1,650,298	28.9	18.0	1,877,811	682,054	24.3	17.1
\$100,000 to \$500,000.	24	10	4.5	1.9	620	1,007	24.0	46.1	5,186,228	1,701,802	25.6	18.6	1,795,283	1,731,078	23.2	43.4
\$500,000 to \$1,000,000.	3	4	0.6	0.8	336		13.0		2,376,969	2,363,818	11.7	25.8	1,120,369		14.5	
\$1,000,000 and over.	3		0.6		553		21.4		3,362,330		16.6		1,628,340		21.1	
BUTTER.	411	474	100.0	100.0	1,595	1,274	100.0	100.0	56,422,287	27,028,255	100.0	100.0	6,982,806	3,425,068	100.0	100.0
Less than \$5,000.	8	13	1.9	2.7	4	6	0.3	0.5	23,107	35,009	(2)	0.1	5,463	5,433	0.1	0.2
\$5,000 to \$20,000.	22	102	5.4	21.5	15	113	0.9	8.9	350,053	1,428,290	0.6	5.3	37,068	218,524	0.5	6.4
\$20,000 to \$100,000.	242	317	58.9	66.9	396	593	24.8	46.5	13,623,799	14,243,580	24.0	52.7	1,275,106	1,409,828	18.3	41.1
\$100,000 to \$500,000.	122	42	29.7	8.9	479	562	30.0	44.1	20,994,188	11,321,376	37.2	41.9	2,136,954	1,792,183	30.6	52.3
\$500,000 and over.	17		4.1		701		43.9		21,631,180		38.2		3,527,616		50.5	
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES.	51	36	100.0	100.0	13,536	8,024	100.0	100.0	33,098,600	11,433,988	100.0	100.0	20,879,630	6,700,463	100.0	100.0
Less than \$20,000.	6		11.8		16		0.1		39,101		0.1		30,760		0.1	
\$20,000 to \$100,000.	7	13	13.7	36.1	156	477	1.2	5.9	383,829	661,007	1.2	5.8	298,292	435,792	1.3	6.5
\$100,000 to \$500,000.	19	14	37.3	38.9	2,104	7,547	16.0	94.1	4,624,949	3,704,314	13.7	32.4	3,191,826	6,204,071	15.3	93.5
\$500,000 to \$1,000,000.	7	9	13.7	25.0	1,942		14.3		4,563,814	7,068,577	13.8	61.8	3,255,547		15.6	
\$1,000,000 and over.	12		23.5		9,258		68.4		23,599,907		71.3		14,133,215		67.7	
CONFECTIONERY AND ICE CREAM.	182	176	100.0	100.0	1,739	1,519	100.0	100.0	11,534,628	5,086,438	100.0	100.0	4,663,725	1,989,324	100.0	100.0
Less than \$5,000.	39	58	21.4	33.0	20	45	1.1	3.0	112,224	171,360	1.0	3.4	49,492	76,423	1.1	3.8
\$5,000 to \$20,000.	96	73	36.8	41.5	100	155	5.8	10.2	726,560	725,810	6.3	14.3	316,909	328,343	6.8	10.5
\$20,000 to \$100,000.	52	33	28.0	18.7	254	355	14.6	23.4	2,330,141	1,351,921	20.3	26.6	820,448	506,231	17.6	25.5
\$100,000 to \$500,000.	22	12	12.1	6.8	898	1,964	51.6	63.5	5,300,008	2,837,341	46.5	55.8	2,328,150	1,076,307	49.9	54.1
\$500,000 and over.	3		1.6		467		26.9		2,996,416		26.0		1,145,731		24.6	
ENGINES, STEAM, GAS, AND WATER.	17	20	100.0	100.0	2,739	1,197	100.0	100.0	17,610,778	3,585,946	100.0	100.0	8,716,280	2,265,838	100.0	100.0
Less than \$5,000.	4	5		25.0	4	7		0.6		8,466		0.2		6,432		0.3
\$5,000 to \$20,000.	13	7	17.6	35.0	48	44	0.3	3.7	21,687	83,329	0.1	2.3	9,702	44,782	0.1	2.0
\$20,000 to \$100,000.	6	4	35.3	20.0	65	102	2.4	8.5	332,410	301,622	1.9	8.4	184,390	144,625	2.1	6.4
\$100,000 to \$500,000.	13	4	17.6	20.0	1,948	1,044	0.1	87.2	1,068,147	3,192,529	6.1	89.0	1,441,135	2,069,999	5.1	91.4
\$1,000,000 and over.	5		29.4		2,418		88.3		16,188,528		91.9		8,081,053		92.7	
FLOUR-MILL AND GRISTMILL PRODUCTS.	189	227	100.0	100.0	509	790	100.0	100.0	21,324,678	14,336,576	100.0	100.0	2,711,616	2,578,840	100.0	100.0
Less than \$5,000.	19	44	10.1	19.4	8	22	0.6	2.8	47,266	117,277	0.2	0.8	7,962	26,362	0.3	1.0
\$5,000 to \$20,000.	54	89	28.6	39.2	27	83	5.3	10.5	641,090	939,787	3.0	6.6	135,031	187,555	5.0	7.3
\$20,000 to \$100,000.	86	74	45.5	32.6	137	181	26.9	22.9	4,110,566	3,132,367	19.3	21.8	646,586	622,884	23.8	24.1
\$100,000 to \$500,000.	21	14	11.1	6.2	114	1,282	22.4	35.7	3,906,039	2,930,159	18.3	20.4	536,623	1,622,304	19.8	24.1
\$500,000 to \$1,000,000.	4	3	2.1	1.3	63		10.4		2,849,712	1,995,715	13.4	13.9	349,114		12.9	
\$1,000,000 and over.	5	3	2.6	1.3	175	222	34.4	28.1	9,769,935	5,221,271	45.8	36.4	1,036,300	1,120,235	38.2	43.4
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED.	30	24	100.0	100.0	2,441	1,371	100.0	100.0	54,994,131	15,459,961	100.0	100.0	9,732,190	4,066,995	100.0	100.0
Less than \$5,000.	8	7	26.7	29.2	4	8	0.2	0.6	15,898	20,430	(2)	0.1	8,815	9,981	0.1	0.2
\$5,000 to \$20,000.	8	4	26.7	16.7	18	8	0.7	0.6	93,901	41,466	0.2	0.3	43,380	16,713	0.4	0.4
\$20,000 to \$100,000.	4	7	13.3	29.2	20	81	0.8	5.9	223,835	425,630	0.4	2.8	73,309	165,553	0.8	4.1
\$100,000 and over.	10	6	33.3	25.0	2,399	1,274	98.3	92.9	54,660,497	14,972,635	99.4	96.8	9,606,683	3,874,748	98.7	95.3
FOUNDRY AND MACHINE-SHOP PRODUCTS.	206	225	100.0	100.0	3,548	3,065	100.0	100.0	18,636,193	9,306,145	100.0	100.0	10,636,647	5,035,514	100.0	100.0
Less than \$5,000.	41	57	19.9	25.3	29	54	0.8	1.8	117,503	138,830	0.6	1.5	81,304	92,406	0.8	1.8
\$5,000 to \$20,000.	70	88	34.0	39.1	242	372	6.8	12.1	809,188	878,908	4.3	9.4	509,169	552,126	4.8	11.0
\$20,000 to \$100,000.	48	62	23.3	27.6	461	1,034	13.0	33.7	2,273,018	3,182,449	12.2	34.2	1,302,172	1,821,443	12.4	36.2
\$100,000 to \$500,000.	42	18	20.4	8.0	2,013	1,605	56.7	52.4	9,378,081	5,105,958	50.3	54.9	5,365,663	3,807,691	50.9	61.0
\$500,000 and over.	5		2.4		803		22.6		6,058,373		32.5		3,278,299		31.1	
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS.	97	92	100.0	100.0	3,211	2,970	100.0	100.0	16,387,832	10,713,495	100.0	100.0	7,602,036	4,465,292	100.0	100.0
Less than \$5,000.	13	23	13.4	25.0	6	21	0.2	0.7	34,376	87,378	0.2	0.5	20,167	34,361	0.3	0.8
\$5,000 to \$20,000.	30	25	30.9	27.2	80	151	2.5	5.1	302,062	360,690	1.8	3.4	145,716	183,052	1.9	4.1
\$20,000 to \$100,000.	31	23	32.0	25.0	384	340	12.0	11.4	1,673,232	1,097,036	10.2	10.2	723,307	440,691	9.5	9.9
\$100,000 to \$500,000.	16	16	16.5	17.4	709	2,458	22.1	82.8	3,812,538	3,786,951	23.3	35.3	1,698,223	3,807,188	22.3	85.3
\$500,000 and over.	7	5	7.2	5.4	2,032		63.3		10,565,624	5,411,440	64.5	50.5	5,014,623		56.0	
POULTRY, KILLING AND DRESSING, NOT DONE IN SLAUGHTERING AND MEAT-PACKING ESTABLISHMENTS.	47	35	100.0	100.0	689	481	100.0	100.0	11,449,501	4,672,565	100.0	100.0	1,683,698	650,334	100.0	100.0
Less than \$20,000.		9		25.7		19		4.0		94,899		2.0		22,748		3.5
\$20,000 to \$100,000.	20	15	42.6	42.9	83	96	12.0	20.0	1,109,382	685,564	9.7	14.7	237,455	146,842	14.1	22.4
\$100,000 to \$500,000.	23	11	48.9	31.4	336	1,306	48.8	76.1	5,841,171	3,892,102	51.0	83.3	849,828	1,481,744	50.5	74.1
\$500,000 and over.	4		8.5		270		39.2		4,498,948		39.3		596,415		35.4	

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

2 Less than one-tenth of 1 per cent.

3 Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."

4 Includes the group "Less than \$5,000."

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

6 Includes "iron and steel, tempering and welding."

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Contd.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919		1914		1919		1914		1919		1914		1919		1914	
	Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.	
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	774	874	100.0	100.0	3,352	3,397	100.0	100.0	\$20,430,956	\$11,455,048	100.0	100.0	\$14,964,558	\$8,831,129	100.0	100.0
Less than \$5,000.....	324	528	41.9	60.2	212	645	6.3	19.0	934,627	1,409,827	4.6	12.3	719,926	1,159,919	4.8	13.1
\$5,000 to \$20,000.....	347	275	44.8	31.5	880	1,054	26.3	31.0	3,265,994	2,424,082	16.0	21.2	2,521,869	1,959,945	16.9	22.2
\$20,000 to \$100,000.....	74	50	9.6	5.7	770	599	23.0	17.6	3,089,062	1,992,813	15.1	17.4	2,260,812	1,531,754	15.1	17.3
\$100,000 to \$500,000.....	22	20	2.8	2.3	644	1,099	19.2	32.4	5,158,652	3,675,413	25.2	32.1	3,703,758	1,479,511	24.7	47.3
\$500,000 to \$1,000,000.....	4	3	0.5	0.3	256	.....	7.6	.....	2,427,991	1,952,913	11.9	17.0	1,484,830	.....	9.9	.....
\$1,000,000 and over.....	3	.....	0.4	.....	590	.....	17.6	.....	5,554,930	.....	27.2	.....	4,267,303	.....	28.5	.....
SLAUGHTERING AND MEAT PACKING.....	21	28	100.0	100.0	7,134	4,413	100.0	100.0	226,361,698	74,171,865	100.0	100.0	21,941,012	6,398,357	100.0	100.0
Less than \$100,000.....	5	12	23.8	42.9	25	55	0.4	1.2	317,506	506,242	0.1	0.7	66,730	118,305	0.3	1.8
\$100,000 to \$500,000.....	4	17	19.0	25.0	46	1,142	0.6	3.2	1,165,520	12,511,249	0.5	3.4	125,811	1,240,620	0.6	3.9
\$1,000,000 and over.....	12	9	57.1	32.1	7,063	4,216	99.0	95.6	224,878,612	71,154,374	99.3	95.9	21,748,471	6,033,372	99.1	94.3

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

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.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
BOONE.....	39	369	100.0	\$1,549,837	100.0	\$850,900	100.0	DUBUQUE.....	131	6,147	100.0	\$34,277,085	100.0	\$14,325,197	100.0
Less than \$5,000.....	5	2	0.5	10,478	1.1	10,468	1.2	Less than \$5,000.....	16	15	0.3	48,962	0.1	35,359	0.3
\$5,000 to \$20,000.....	20	41	11.1	252,370	16.3	149,466	17.6	\$5,000 to \$20,000.....	40	113	1.8	472,003	1.4	272,604	1.9
\$20,000 to \$100,000.....	11	82	22.2	523,179	33.8	276,851	32.5	\$20,000 to \$100,000.....	36	371	6.0	2,009,264	5.9	854,487	6.0
\$100,000 to \$500,000.....	3	244	66.1	757,810	48.9	414,115	48.7	\$100,000 to \$500,000.....	25	1,126	18.3	6,049,489	17.6	2,810,259	19.6
								\$500,000 to \$1,000,000.....	5	531	8.6	3,563,373	10.4	1,271,566	8.9
BURLINGTON.....	97	2,274	100.0	12,090,058	100.0	5,307,835	100.0	\$1,000,000 and over.....	9	3,991	64.9	22,133,994	64.6	9,079,922	63.4
Less than \$5,000.....	19	14	0.6	52,162	0.4	32,269	0.6								
\$5,000 to \$20,000.....	25	93	4.1	290,043	2.4	172,140	3.3	FORT DODGE....	80	1,605	100.0	10,884,039	100.0	3,686,360	100.0
\$20,000 to \$100,000.....	27	278	12.2	1,449,859	12.0	621,211	11.7	Less than \$5,000.....	11	5	0.3	29,700	0.3	20,143	0.5
\$100,000 to \$500,000.....	21	943	41.5	5,338,052	44.2	2,189,995	41.3	\$5,000 to \$20,000.....	32	85	5.3	308,020	3.4	225,171	6.1
\$500,000 and over.....	5	946	41.6	4,959,937	41.0	2,291,220	43.2	\$20,000 to \$100,000.....	21	178	11.1	873,372	8.0	474,660	12.9
								\$100,000 to \$500,000.....	12	542	33.8	3,089,416	28.4	1,471,002	39.9
CEDAR RAPIDS...	208	6,284	100.0	92,118,386	100.0	20,052,457	100.0	\$500,000 and over.....	4	795	49.5	6,528,531	60.0	1,494,784	40.5
Less than \$5,000.....	32	15	0.2	81,206	0.1	53,491	0.3								
\$5,000 to \$20,000.....	75	182	2.9	839,578	0.9	508,287	2.5	FORT MADISON..	34	1,029	100.0	4,836,291	100.0	2,193,368	100.0
\$20,000 to \$100,000.....	59	468	7.4	2,500,107	2.7	1,265,713	6.3	Less than \$5,000.....	4	2	0.2	9,759	0.2	6,632	0.3
\$100,000 to \$500,000.....	33	1,161	18.5	7,004,542	7.6	3,707,503	18.5	\$5,000 to \$20,000.....	12	33	3.2	124,282	2.6	70,443	3.2
\$500,000 to \$1,000,000.....	3	204	3.2	2,196,244	2.4	1,161,106	5.8	\$20,000 to \$100,000.....	12	168	16.3	610,818	12.8	291,768	13.3
\$1,000,000 and over.....	6	4,254	67.7	79,496,709	86.3	13,356,357	66.6	\$100,000 and over.....	6	826	80.3	4,085,432	84.5	1,824,525	83.2
CLINTON.....	119	3,452	100.0	30,321,143	100.0	10,976,010	100.0								
Less than \$5,000.....	28	17	0.5	67,485	0.2	40,429	0.4	IOWA CITY.....	49	322	100.0	1,767,313	100.0	841,503	100.0
\$5,000 to \$20,000.....	35	91	2.6	383,918	1.3	208,516	1.9	Less than \$5,000.....	13	6	1.9	25,185	1.4	14,454	1.7
\$20,000 to \$100,000.....	30	303	8.8	1,606,023	5.2	799,845	7.3	\$5,000 to \$20,000.....	17	54	16.8	162,554	9.2	83,019	9.9
\$100,000 to \$500,000.....	16	865	25.1	3,315,705	12.6	1,805,411	16.4	\$20,000 to \$100,000.....	14	132	41.0	655,502	37.1	338,891	40.3
\$500,000 to \$1,000,000.....	4	426	12.3	2,303,411	7.9	831,150	7.6	\$100,000 to \$500,000.....	5	130	40.4	924,072	52.3	405,189	48.1
\$1,000,000 and over.....	6	1,750	50.7	22,094,601	72.9	7,290,659	66.4								
COUNCIL BLUFFS.	111	1,891	100.0	10,610,664	100.0	5,068,858	100.0	KEOKUK.....	71	1,593	100.0	17,554,816	100.0	5,638,309	100.0
Less than \$5,000.....	22	15	0.8	56,158	0.5	37,176	0.7	Less than \$5,000.....	15	14	0.9	35,507	0.2	17,725	0.3
\$5,000 to \$20,000.....	36	91	4.8	369,871	3.7	203,415	4.0	\$5,000 to \$20,000.....	22	78	4.9	249,009	1.4	139,137	2.5
\$20,000 to \$100,000.....	32	278	14.7	1,312,794	12.7	687,390	13.6	\$20,000 to \$100,000.....	15	183	11.5	861,160	4.9	422,856	7.5
\$100,000 to \$500,000.....	10	490	25.9	3,093,612	29.2	1,698,478	33.5	\$100,000 to \$500,000.....	13	509	31.9	3,000,404	17.1	1,100,060	19.6
\$500,000 and over.....	5	1,017	53.8	5,724,229	53.9	2,441,904	48.2	\$500,000 and over.....	6	814	50.9	13,408,146	76.4	3,968,531	70.2
DAVENPORT.....	219	3,928	100.0	32,587,229	100.0	11,025,434	100.0								
Less than \$5,000.....	81	22	0.6	78,260	0.2	50,800	0.5	MARSHALLTOWN..	62	1,338	100.0	8,642,468	100.0	3,665,814	100.0
\$5,000 to \$20,000.....	77	171	4.4	849,411	2.6	465,802	4.2	Less than \$5,000.....	7	5	0.4	22,188	0.3	14,894	0.4
\$20,000 to \$100,000.....	59	542	13.8	2,836,987	8.7	1,492,674	13.5	\$5,000 to \$20,000.....	21	73	5.5	311,577	3.6	139,471	3.8
\$100,000 to \$500,000.....	39	1,848	34.3	8,855,772	27.2	4,019,433	36.5	\$20,000 to \$100,000.....	16	125	9.3	722,075	8.4	329,721	9.0
\$500,000 to \$1,000,000.....	7	687	17.5	4,478,362	13.7	2,036,939	18.9	\$100,000 to \$500,000.....	14	471	35.2	3,097,776	35.8	1,785,949	47.4
\$1,000,000 and over.....	6	1,158	29.5	15,488,437	47.5	2,909,786	26.4	\$500,000 and over.....	4	664	49.6	4,488,852	51.9	1,445,770	39.4
DES MOINES.....	379	7,085	100.0	59,830,954	100.0	26,540,392	100.0	MASON CITY.....	50	2,307	100.0	29,512,534	100.0	6,458,085	100.0
Less than \$5,000.....	67	34	0.5	137,048	0.3	134,028	0.5	Less than \$5,000.....	9	6	0.3	27,196	0.1	16,692	0.3
\$5,000 to \$20,000.....	100	221	3.1	1,141,647	1.9	684,141	2.6	\$5,000 to \$20,000.....	17	49	2.1	189,236	0.6	104,852	1.6
\$20,000 to \$100,000.....	114	1,167	16.5	5,602,153	9.4	3,109,882	11.7	\$20,000 to \$100,000.....	16	151	6.4	743,267	2.5	342,408	5.3
\$100,000 to \$500,000.....	71	2,816	39.7	16,666,375	27.9	8,516,759	32.1	\$100,000 to \$500,000.....	12	650	27.5	2,455,968	8.3	1,227,121	19.0
\$500,000 to \$1,000,000.....	15	1,022	14.4	10,164,550	17.0	3,889,643	14.7	\$500,000 and over.....	5	1,511	63.8	26,000,867	88.4	4,767,012	73.8
\$1,000,000 and over.....	12	1,825	25.8	25,069,181	43.6	10,205,939	38.5								

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919—Continued.

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
MUSCATINE.....	146	2,522	100.0	\$10,753,750	100.0	\$5,056,089	100.0	SIoux CITY.....	251	6,749	100.0	\$146,393,134	100.0	\$21,131,710	100.0
Less than \$5,000.....	33	35	1.4	83,448	0.8	59,636	1.2	Less than \$5,000.....	37	20	0.3	101,358	0.1	64,143	0.3
\$5,000 to \$20,000.....	66	299	11.9	703,679	6.5	451,606	8.9	\$5,000 to \$20,000.....	82	189	2.8	937,690	0.6	547,535	2.6
\$20,000 to \$100,000.....	31	438	17.2	1,212,740	11.3	621,155	12.3	\$20,000 to \$100,000.....	74	706	10.5	3,476,563	2.4	1,702,668	8.1
\$100,000 to \$500,000.....	11	758	30.1	2,831,025	26.8	1,497,624	29.6	\$100,000 to \$500,000.....	36	942	14.0	7,254,258	5.0	2,552,474	12.1
\$500,000 and over.....	5	997	39.5	5,872,858	54.6	2,426,108	48.0	\$500,000 to \$1,000,000.....	18	1,425	21.1	10,295,554	7.0	4,366,731	20.7
								\$1,000,000 and over.....	6	3,467	51.4	124,327,711	84.9	11,898,159	56.3
OTTUMWA.....	94	2,601	100.0	45,029,524	100.0	8,528,413	100.0	WATERLOO.....	161	4,620	100.0	35,481,225	100.0	12,038,611	100.0
Less than \$5,000.....	10	10	0.4	51,972	0.1	28,029	0.3	Less than \$5,000.....	24	9	0.2	62,373	0.2	34,004	0.3
\$5,000 to \$20,000.....	24	70	2.7	251,109	0.6	140,968	1.7	\$5,000 to \$20,000.....	49	95	2.1	529,000	1.5	302,108	2.5
\$20,000 to \$100,000.....	31	314	12.1	1,409,678	3.3	633,960	7.4	\$20,000 to \$100,000.....	43	397	8.6	2,107,838	5.9	1,089,271	9.0
\$100,000 to \$500,000.....	10	732	28.1	3,793,394	8.4	1,942,552	22.8	\$100,000 to \$500,000.....	34	1,221	26.4	7,897,274	22.3	3,754,550	31.1
\$500,000 and over.....	4	1,475	56.7	39,433,371	87.6	6,782,906	67.8	\$500,000 to \$1,000,000.....	4	316	6.8	2,508,792	7.1	1,128,861	9.3
								\$1,000,000 and over.....	7	2,582	55.9	22,380,918	63.1	5,779,817	47.8

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.							
All Industries.....	1919	2,767	1,540	1,376	80,551	6,912	68,089	5,550	8.6	84.5	6.9	\$745,472,697	\$41,052,132	\$944,752,520	\$59,668,045	5.5	86.5	8.0				
	1914	2,805	1,434	1,375	63,113	7,277	48,885	7,451	11.5	76.7	11.8	310,749,974	24,579,748	235,915,163	50,255,063	7.9	75.9	16.2				
	1909	2,735	1,317	1,476	61,635	7,600	45,475	8,560	12.3	73.8	13.9	259,237,637	24,053,314	189,182,389	46,001,934	9.3	73.0	17.7				
Bread and other bakery products.	1919	390	46	102	2,533	782	1,474	327	30.3	57.1	12.7	20,244,037	6,757,709	10,456,092	3,030,206	33.4	51.6	15.0				
	1914	408	30	80	2,182	848	1,126	208	38.0	51.6	9.5	9,150,514	3,585,710	4,635,059	940,745	39.0	50.7	10.3				
Brick and tile, terra-cotta, and fire-clay products.	1919	24	61	28	2,452	84	2,056	312	3.4	83.8	12.7	8,127,157	218,074	6,783,312	1,125,771	2.7	83.5	13.9				
	1914	54	61	43	3,103	238	2,338	587	7.5	73.9	18.6	6,400,055	328,205	5,087,761	983,999	5.1	79.5	15.4				
Butter.....	1919	67	78	266	1,595	150	888	557	9.4	55.7	34.9	56,422,287	4,674,390	27,919,606	23,828,291	8.3	49.5	42.2				
	1914	79	102	293	1,274	215	585	474	16.9	45.9	37.2	27,028,255	2,854,142	11,893,993	12,280,120	10.6	44.0	45.4				
Canning and preserving, fruits and vegetables.	1919	6	51	5	1,271	34	1,183	54	2.7	93.1	4.2	8,014,770	86,635	7,626,772	301,363	1.1	95.2	3.8				
	1914	4	35	8	904	10	790	104	1.1	87.4	11.5	2,077,242	13,878	1,899,836	193,528	0.7	90.0	9.3				
Cars and general shop construction and repairs by steam-railroad companies.	1919	.....	51	.....	13,536	.....	13,536	.....	100.0	.....	.....	33,098,600	.....	33,098,600	.....	100.0	.....	.....		
	1914	.....	36	.....	8,024	.....	8,024	.....	100.0	.....	.....	11,433,988	.....	11,433,988	.....	100.0	.....	.....		
Confectionery and ice cream.	1919	90	41	51	1,789	168	1,347	224	9.7	77.5	12.9	11,534,628	1,461,669	8,535,335	1,537,624	12.7	74.0	13.3				
	1914	99	36	41	1,519	229	1,218	72	15.1	80.2	4.7	5,086,438	949,039	3,741,746	395,653	18.7	73.6	7.8				
Engines, steam, gas, and water.	1919	2	15	.....	2,739	.....	2,739	.....	100.0	.....	.....	17,610,778	.....	17,610,778	.....	100.0	.....	.....		
	1914	5	12	3	1,197	9	1,131	57	0.8	94.5	4.8	3,585,946	22,892	3,436,477	126,577	0.6	95.8	3.5				
Flour-mill and gristmill products.	1919	92	47	50	509	87	337	85	17.1	66.2	16.7	21,324,678	2,846,380	15,758,411	2,719,881	13.3	73.9	12.8				
	1914	117	40	70	790	124	531	135	15.7	67.2	17.1	14,336,576	1,771,662	10,595,616	1,969,268	12.4	73.9	13.7				
Food preparations, not elsewhere specified.	1919	12	11	7	2,441	18	2,373	50	0.7	97.2	2.0	54,994,131	130,952	53,756,307	1,108,872	0.2	97.7	2.0				
	1914	6	12	6	1,371	15	1,304	52	1.1	95.1	3.8	15,459,961	99,625	15,165,477	194,859	0.6	98.1	1.3				
Foundry and machine-shop products.*	1919	72	85	49	3,548	233	2,629	686	6.6	74.1	19.3	18,638,163	1,086,633	13,653,769	3,980,761	5.8	72.8	21.4				
	1914	77	97	51	3,065	219	2,222	624	7.1	72.5	20.4	9,306,145	699,411	6,552,306	2,024,428	7.5	70.7	21.8				
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	32	47	13	3,211	136	2,981	94	4.2	92.8	2.9	16,387,832	387,349	15,533,806	466,677	2.4	94.8	2.8				
	1914	36	41	15	2,970	76	2,754	140	2.6	92.7	4.7	10,713,495	266,646	9,970,002	476,847	2.5	93.1	4.5				
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	1919	11	24	12	689	82	520	87	11.9	75.5	12.6	11,449,501	1,305,420	8,519,401	1,624,680	11.4	74.4	14.2				
	1914	9	14	12	481	27	358	96	5.6	74.4	20.0	4,672,565	166,105	3,709,035	797,425	3.6	79.4	17.1				
Printing and publishing, newspapers and periodicals.	1919	504	107	163	3,352	942	1,955	455	28.1	58.3	13.6	20,430,956	3,530,968	14,890,904	2,009,084	17.3	72.9	9.8				
	1914	585	117	172	3,307	1,283	1,665	449	37.8	49.0	13.2	11,455,048	3,021,632	7,206,593	1,226,823	26.4	62.9	10.7				
Slaughtering and meat packing.	1919	2	15	4	7,134	.....	6,958	1,176	.....	97.5	2.5	226,361,698	.....	222,134,129	14,227,569	.....	98.1	1.9
	1914	8	15	5	4,413	44	3,246	1,123	1.0	73.6	25.4	74,171,865	619,563	56,374,518	17,177,784	0.8	76.0	23.2				
Washing machines and clothes wringers.	1919	.....	14	.....	1,063	.....	1,063	.....	100.0	.....	.....	8,814,946	.....	8,814,946	.....	100.0	.....	.....		
	1914	2	12	.....	375	.....	375	.....	100.0	.....	.....	1,498,567	.....	1,498,567	.....	100.0	.....	.....		

* Includes the group "Individuals."

* Includes "iron and steel, tempering and welding."

MANUFACTURES—IOWA.

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

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.				
Total for cities.....	1919	911	967	432	56,181	3,601	49,067	2,853	6.5	88.4	5.1	\$584,240,450	\$18,330,235	\$542,760,217	\$23,149,998	3.1	92.9	4.0				
	1914	924	878	396	44,174	3,796	36,010	4,368	8.6	81.6	9.9	235,354,971	11,144,515	195,333,192	28,877,204	4.7	83.0	12.3				
BOONE.....	1919	20	9	10	399	50	303	16	13.6	82.1	4.3	1,549,837	370,080	995,249	184,508	23.9	61.2	11.9				
	1914	18	11	9	250	39	183	34	15.2	71.5	13.3	908,073	176,050	389,652	341,019	19.4	42.9	37.7				
BURLINGTON.....	1919	37	48	12	2,274	105	2,112	57	4.6	92.9	2.5	12,090,058	554,335	11,135,987	399,736	4.6	92.1	3.3				
	1914	52	49	17	2,246	142	1,973	131	6.3	87.8	5.8	6,895,055	602,340	6,100,194	257,115	7.3	88.9	3.7				
CEDAR RAPIDS.....	1919	85	79	47	6,294	250	5,877	151	4.1	93.5	2.4	92,118,886	1,634,907	89,509,641	973,838	1.8	97.2	1.1				
	1914	65	72	33	4,394	241	3,929	224	5.5	89.4	5.1	34,983,838	806,048	33,198,461	983,429	2.3	94.9	2.8				
CLINTON.....	1919	48	51	20	3,452	98	3,300	54	2.8	95.6	1.6	30,321,143	682,994	29,328,224	329,925	2.2	96.7	1.1				
	1914	50	47	8	2,079	148	2,495	36	5.6	93.1	1.3	10,427,432	372,502	9,908,836	86,094	3.6	95.6	0.8				
COUNCIL BLUFFS.....	1919	43	47	21	1,991	110	1,701	80	5.8	90.0	4.2	10,610,064	697,501	9,578,213	334,950	6.6	90.3	3.2				
	1914	48	36	17	1,336	116	1,143	77	8.7	85.0	5.3	4,279,165	515,768	3,715,724	144,073	12.1	84.6	3.4				
DAVENPORT.....	1919	84	88	47	3,923	479	2,717	732	12.2	69.2	18.6	32,587,229	2,182,723	23,181,902	7,222,514	6.7	71.1	22.2				
	1914	91	89	51	3,358	581	2,729	948	14.7	68.9	16.4	17,172,963	1,353,957	13,706,123	2,112,878	7.9	79.8	12.3				
DES MOINES.....	1919	136	190	53	7,085	503	6,261	321	7.1	83.4	4.5	59,830,954	2,951,942	55,009,230	1,872,782	4.9	91.9	3.1				
	1914	166	166	62	5,306	585	4,389	332	11.0	82.7	6.8	23,746,551	2,218,306	20,405,406	1,032,339	9.3	86.3	4.3				
DURUQUE.....	1919	54	56	21	6,147	240	5,786	121	3.9	94.1	2.0	34,277,085	1,284,620	31,833,355	1,159,110	3.7	92.9	3.4				
	1914	54	62	23	5,171	348	4,421	402	6.7	85.5	7.8	14,714,143	830,586	12,623,166	1,260,391	5.6	85.8	8.6				
FORT DODGE.....	1919	39	29	12	1,605	134	1,413	58	8.3	88.0	3.6	10,884,039	772,947	8,063,967	1,147,125	7.1	82.4	10.5				
	1914	29	20	7	961	148	769	34	15.6	80.9	3.6	4,871,421	491,325	4,135,117	244,979	10.1	84.9	5.0				
FORT MADISON.....	1919	12	13	9	1,029	31	903	95	3.0	87.8	9.2	4,836,291	155,385	4,307,139	373,767	3.2	89.1	7.7				
IOWA CITY.....	1919	24	8	17	322	136	107	79	42.2	33.2	24.5	1,707,313	400,413	531,266	775,634	26.1	30.1	43.9				
	1914	35	10	10	350	149	132	69	42.6	37.7	19.7	1,333,106	416,091	507,419	409,596	31.2	33.1	30.7				
KEOKUK.....	1919	29	33	9	1,598	77	1,377	144	4.8	86.2	9.0	17,554,816	330,926	14,085,792	2,238,098	1.9	85.4	12.7				
	1914	37	32	16	1,333	115	1,081	137	8.6	81.1	10.3	8,250,274	294,606	6,441,413	1,514,255	3.6	78.1	18.4				
MARSHALLTOWN.....	1919	15	31	16	1,338	42	1,198	98	3.1	89.5	7.3	8,642,408	207,570	7,514,826	920,072	2.4	87.0	10.6				
	1914	22	28	11	1,060	62	938	60	5.8	88.5	5.7	5,149,853	197,162	4,688,397	264,299	3.8	91.0	5.1				
MASON CITY.....	1919	19	28	12	2,307	43	2,265	59	1.8	95.7	2.5	29,512,534	255,299	28,815,241	411,994	0.9	97.7	1.4				
	1914	17	34	9	2,054	41	1,977	36	2.0	96.3	1.8	11,742,456	104,264	11,474,287	163,905	0.9	97.7	1.4				
MUSCATINE.....	1919	78	36	32	2,522	575	1,828	119	22.8	72.5	4.7	10,753,750	1,617,699	8,384,196	751,855	15.0	78.0	7.0				
	1914	86	25	31	2,397	420	1,577	400	17.5	65.8	16.7	5,909,485	580,070	4,280,121	1,133,294	9.8	71.3	18.9				
OTTUMWA.....	1919	40	38	16	2,601	273	2,007	231	10.5	80.6	8.9	45,029,524	1,368,253	42,492,335	1,108,936	3.0	94.4	2.6				
	1914	39	31	18	2,447	213	815	1,419	8.7	33.3	58.0	21,299,929	632,240	3,113,403	17,554,286	3.0	14.6	82.4				
SIOUX CITY.....	1919	90	111	50	6,749	339	6,160	250	5.0	91.8	3.7	146,393,131	1,871,704	142,971,008	1,550,332	1.3	97.7	1.1				
	1914	80	102	38	4,753	318	4,235	200	6.7	89.1	4.2	49,479,444	1,162,266	47,360,951	956,227	2.3	95.7	1.9				
WATERLOO.....	1919	58	75	28	4,620	170	4,262	188	3.7	92.3	4.1	35,481,225	950,937	33,481,466	1,334,822	2.7	93.6	3.8				
	1914	50	64	30	3,483	130	3,224	129	3.7	92.0	3.7	14,126,178	483,076	13,225,517	417,585	3.4	93.6	3.0				

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 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.		Number or amount.	Per cent of aggre- gate.
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.		
Number of places.....	1919 1914 1909	----- ----- -----	18 17 17	----- ----- -----	11 9 9	----- ----- -----	6 8 8	----- ----- -----	1 ----- -----	----- ----- -----	----- ----- -----	----- ----- -----
Population ¹	1920 1915 1910	2,404,021 2,221,755 2,224,771	604,150 508,479 467,198	25.1 22.9 21.0	192,629 145,781 137,107	8.0 6.6 6.2	285,053 362,693 330,091	11.9 16.3 14.8	126,468 ----- -----	5.3 ----- -----	1,799,871 1,713,276 1,757,573	74.9 77.1 79.0
Number of establishments.....	1919 1914 1909	5,683 5,614 5,528	2,310 2,198 1,986	40.6 39.2 35.9	850 704 644	15.0 12.5 11.6	1,081 1,494 1,342	19.0 26.6 24.3	379 ----- -----	6.7 ----- -----	3,373 3,416 3,542	59.4 60.8 64.1
Average number of wage earners.....	1919 1914 1909	80,551 63,113 61,635	56,181 44,174 43,674	69.7 70.0 70.9	19,477 13,094 14,613	24.2 20.7 23.7	29,619 31,080 29,061	36.8 49.2 47.2	7,085 ----- -----	8.8 ----- -----	24,370 18,939 17,961	30.3 30.0 29.1
Value of products.....	1919 1914 1909	\$745,472,607 310,749,974 259,237,637	\$584,240,450 235,354,971 188,930,227	78.4 75.7 72.9	\$172,941,773 66,420,237 48,798,350	23.2 21.4 18.8	\$351,467,723 168,934,714 140,131,877	47.1 54.4 54.1	\$59,830,954 ----- -----	8.0 ----- -----	\$161,232,247 75,395,003 70,307,410	21.6 24.3 27.1
Value added by manufacture.....	1919 1914 1909	225,231,890 105,298,635 88,530,589	163,434,845 76,722,260 62,942,599	72.6 72.0 71.1	53,202,686 22,196,720 17,216,586	23.6 21.1 19.4	83,691,767 64,525,540 45,726,013	37.2 51.8 51.6	26,540,392 ----- -----	11.8 ----- -----	61,797,045 28,676,375 25,587,990	27.4 27.1 28.9

¹ Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase ¹ over 1914.			Amount, 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
DAVENPORT.					DES MOINES—Continued.				
Foundry and machine-shop products ²	\$3,906,306	21.1	\$1,906,017	95.3	Cement.....				
Bread and other bakery products.....	2,709,338	13.4	1,135,851	72.2	Clothing, women's, suits, skirts, and cloaks.....				
Washing machines and clothes wringers.....	1,471,755	16.7	859,551	140.4	Knit goods.....				
Tobacco, cigars.....	1,174,814	29.5	164,663	16.3	Oil, linseed.....				
Confectionery and ice cream.....	977,190	8.5	589,711	152.2	Perfumery and cosmetics.....				
Butter.....	911,823	1.6	(³)		Poultry, killing and dressing, not done in slaughtering and meat-packing es- tablishments.....	(⁴)	(⁴)	(⁴)	(⁴)
Printing and publishing, newspapers and periodicals.....	817,980	4.0	390,803	91.5	Rubber tires, tubes, and rubber goods, not elsewhere specified.....				
Automobile repairing.....	629,313	10.8	520,423	477.9	Saddlery and harness.....				
Flour-mill and gristmill products.....					Slaughtering and meat packing.....				
Food preparations, not elsewhere speci- fied.....	(⁵)	(⁵)	(⁵)	(⁵)	SIOUX CITY.				
Locomotives, not made by railroad com- panies.....					Slaughtering and meat packing.....	\$116,088,503	51.3	(⁵)	
Slaughtering and meat packing.....					Bread and other bakery products.....	2,115,042	10.4	\$1,165,533	122.8
DES MOINES.					Flour-mill and gristmill products.....	2,060,918	9.6	(⁵)	
Printing and publishing, newspapers and periodicals.....	7,877,532	38.6	4,496,805	133.0	Printing and publishing, newspapers and periodicals.....	1,705,168	8.3	844,123	98.0
Bread and other bakery products.....	2,943,716	14.5	1,873,881	175.2	Cars and general shop construction and repairs by steam-railroad companies.....	1,530,887	4.6	(⁵)	
Butter.....	2,252,730	4.0	(⁵)		Coffee, roasting and grinding.....	1,410,641	27.5	913,401	183.7
Confectionery and ice cream.....	1,510,456	13.1	959,624	174.2	Druggists' preparations.....	1,317,016	42.9	905,550	220.1
Flour-mill and gristmill products.....	1,487,513	7.0	908,820	167.0	Confectionery and ice cream.....	1,100,891	9.5	541,950	97.0
Patent and proprietary medicines.....	1,479,227	23.4	637,314	75.7	Copper, tin, and sheet-iron work.....	837,451	16.5	631,628	306.9
Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	1,402,703	8.9	-161,159	-9.9	Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....				
Printing and publishing, book and job.....	1,438,131	27.6	720,807	100.5	Automobiles.....	805,121	4.9	342,730	74.1
Stoves and hot-air furnaces.....	1,266,884	40.9	827,763	188.5	Butter.....	(⁵)	(⁵)	(⁵)	(⁵)
Brick and tile, terra-cotta, and fire-clay products.....	1,002,393	12.3	178,988	21.7	Clothing, men's.....				
Foundry and machine-shop products.....	976,286	5.3	251,789	34.8	Rubber tires, tubes, and rubber goods, not elsewhere specified.....				
Fur goods.....	839,670	45.5	739,185	735.5					
Gloves and mittens, leather.....	798,104	50.5	(⁵)						
Copper, tin, and sheet-iron work.....	662,520	13.1	355,831	116.0					

¹ A minus sign (—) denotes decrease.² Includes "iron and steel, tempering and welding" and "textile machinery and parts."³ Figures can not be shown without disclosing individual operations.

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	16,747	10,514	6,585	242,946	190,049	155,384	100.0	100.0	100.0
Owned.....	2,142	3,040	3,574	130,334	139,746	130,465	53.6	73.5	87.8
Steam ¹	1,239	1,636	2,054	119,442	125,340	122,029	49.2	65.9	78.5
Engines.....	1,176	(²)	(²)	101,494	(²)	(²)	41.8		
Turbines.....	63	(²)	(²)	17,948	(²)	(²)	7.4		
Internal-combustion engines.....	809	1,254	1,336	7,030	8,868	8,025	2.9	4.7	5.2
Water.....	94	150	184	3,862	5,538	6,411	1.6	2.9	4.2
Water wheels and turbines.....	66	130	161	3,245	5,487	6,326	1.3	2.9	4.1
Water motors.....	28	20	23	617	51	85	0.3	(³)	0.1
Rented.....	14,605	7,474	3,011	112,612	50,303	18,919	46.4	26.5	12.2
Electric.....	14,605	7,474	3,011	112,436	50,054	18,403	46.3	26.3	11.9
Other.....				126	249	466	0.1	0.1	0.3
Electric.....	18,590	10,144	4,459	166,285	101,827	40,736	100.0	100.0	100.0
Rented.....	14,635	7,474	3,011	112,436	50,054	18,403	67.6	49.2	45.3
Generated by establishments reporting.....	3,815	2,670	1,448	53,799	51,773	22,273	32.4	50.8	54.7

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.² Not reported separately.³ Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	1919.. 15,400	2,154,407	134,841	573,958	26,441	181,957
Per cent of increase ²	1914.. 10,279	2,361,179	83,082	280,261	(¹)	120,699
	49.8	-8.8	62.3	114.2		50.8
Automobile repairing.....	228	8,287	49	43	1,576	17,184
Bread and other bakery products.....	3,074	14,749	13,188	3,038	1,402	23,811
Brick and tile, terra-cotta, and fire-clay products.....		336,750	180	9,100	3,429	
Butter.....	1,787	77,866	505	1,270	965	
Buttons.....		10,978	150	52	144	
Canning and preserving, fruits and vegetables.....	219	14,989		3	31	3,000
Carriages and wagons, including repairs.....	50	5,639	22	204	94	
Cars and general shop construction and repairs by steam-railroad companies.....	343	276,947	303	11,508	277	1,422
Cars, steam-railroad, not including operations of railroad companies.....		21,471	135	68,599	903	
Cement.....		454,502			100	
Confectionery and ice cream.....	387	17,148	246	4,676	160	11,510
Engines, steam, gas, and water.....		15,098	7,630	12,396	3,861	2,960
Flour-mill and gristmill products.....	515	28,024	7	3,063	836	12
Food preparations, not elsewhere specified.....	672	27,147	839	41	13	18,256
Foundry and machine-shop products.....	163	26,737	11,371	11,891	1,791	2,391
Furniture.....		7,724			52	
Gas, illuminating and heating.....	3,403	82,823	81,222	398,128	5,684	
Glucose and starch.....	474	166,018	586	17,518		
Ice, manufactured.....	80	60,625		2,765		
Lumber, planing-mill products, not including planing mills connected with saw-mills.....	11	15,864	54		35	
Mineral and soda waters.....	237	7,104	0	43	41	375
Paper and wood pulp.....		17,625		500		
Paving materials.....	25	8,916				
Printing and publishing, newspapers and periodicals.....	687	12,602	138	240	1,103	43,765
Roofing materials.....		28,100				
Rubber tires, tubes, and rubber goods, not elsewhere specified.....		10,321		69	350	680
Slaughtering and meat packing.....	500	219,072	100		317	28,666
Sugar, beet.....		11,623	523			
Wall plaster and composition flooring.....		27,404	758		72	
Washing machines and clothes wringers.....	124	5,831	501		490	36
All other industries.....	2,441	130,243	16,330	28,811	2,715	27,259
Total for cities.....	5,771	1,495,259	98,493	265,071	11,010	162,052
BOONE.....	12	3,945	1,336	34	43	779
BURLINGTON.....	179	21,788	5,721	11,269	122	4,568
CEDAR RAPIDS.....	223	106,291	9,885	967	330	27,117
CLINTON.....	513	157,215	1,138	9,235	523	4,532
COUNCIL BLUFFS.....	381	34,477	4,178	15,510	132	11,061
DAVENPORT.....	268	56,890	6,036	27,955	1,720	20,208
DES MOINES.....	1,074	245,678	17,337	61,416	1,117	44,226
DUBUQUE.....	722	44,765	2,675	4,348	218	5,466
FORT DODGE.....	18	31,294	3,327	13,138	3,620	687
FORT MADISON.....	47	9,168	1,040	5,558	1	100
IOWA CITY.....	47	24,051	977	2,219	11	426
KEOKUK.....	747	54,805	8,610	12,143	93	358
MARSHALLTOWN.....	160	27,982	8,783	869	197	6,028
MASON CITY.....	19	372,839	2,018	6,930	60	1,425
MUSCATINE.....						
OTTUMWA.....	31	22,057	2,129	1,415	284	1,230
SIoux CITY.....	36	74,925	3,466	7,465	193	18,129
WATERLOO.....	1,019	152,769	10,381	39,200	250	12,663
	275	54,320	13,556	45,340	2,096	3,059

¹ Included in figures for fuel oils.² A minus sign (—) denotes decrease.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for five of these industries in Iowa are here presented.

Slaughtering and meat packing (Table 19).—This table presents for the census years 1919, 1914, and 1909 the kind, number, and cost of animals slaughtered, and the cost of all other materials, which includes that for dressed meat purchased for curing, fats, cottonseed oil, poultry, refrigeration, seasoning, containers, curing materials, fuel, rent of power, mill supplies, and freight. It also shows the quantity and value of the various products manufactured, except that the value of canned beef and pork, meat puddings, scrapple, etc., lard, oleo, and other oils, oleo stearin,

glue, poultry and stock feed, and skins, other than cattle, calf, and sheep are included in "All other products."

During the census period 1914–1919 the cost of materials increased \$136,647,178, or 201.6 per cent, and the value of products \$152,189,833, or 205.2 per cent. The increase in production during this five-year period is better indicated by the increase in the number of animals slaughtered in 1919 as compared with 1914. Beeves increased 217,696, or 99.2 per cent; calves 30,104, or 198.4 per cent; and hogs 908,272, or 37.9 per cent. The only decrease in the number of animals slaughtered was in sheep and lambs, 42,987, or 14 per cent.

Iowa has ranked sixth in the industry in value of products among the states since 1904.

TABLE 19.—SLAUGHTERING AND MEAT PACKING.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$204,420,686	\$67,773,508	\$53,034,481
Animals slaughtered, cost.....	\$187,034,324	\$63,193,329	\$50,182,075
Beef—			
Number.....	437,055	219,359	252,321
Cost.....	\$41,943,020	\$15,759,369	\$11,256,445
Calves—			
Number.....	45,275	15,171	20,437
Cost.....	\$662,724	\$213,894	\$202,852
Sheep and lambs—			
Number.....	264,432	307,419	49,577
Cost.....	\$2,782,728	\$1,547,912	\$223,759
Hogs—			
Number.....	3,302,333	2,394,061	2,487,251
Cost.....	\$141,345,852	\$45,072,154	\$38,490,019
All other materials, cost.....	\$17,386,362	\$4,580,179	\$2,852,406
PRODUCTS.			
Total value.....	\$226,361,698	\$74,171,865	\$58,913,482
Fresh meat, value.....	\$70,511,415	\$28,029,755	\$19,212,269
Beef—			
Pounds.....	189,351,603	118,567,051	123,780,302
Value.....	\$33,190,688	\$13,670,747	\$8,854,488
Veal—			
Pounds.....	4,821,377	1,715,791	2,429,149
Value.....	\$739,047	\$206,268	\$226,021
Mutton and lamb—			
Pounds.....	9,820,929	12,539,457	1,848,011
Value.....	\$2,141,308	\$1,270,068	\$170,834
Pork—			
Pounds.....	110,334,618	103,461,549	100,113,209
Value.....	\$29,812,210	\$12,284,615	\$9,750,724
Edible offal and all other fresh meat—			
Pounds.....	30,390,061	8,885,752	3,820,807
Value.....	\$4,628,162	\$592,057	\$209,302
Cured meat, value.....	\$97,897,036	\$29,343,351	\$24,852,404
Beef, pickled and other cured—			
Pounds.....	5,001,301	(¹)	(¹)
Value.....	\$1,075,805	(¹)	(¹)
Pork, pickled and other cured—			
Pounds.....	335,237,381	233,138,198	219,106,133
Value.....	\$96,821,231	\$29,343,351	\$24,852,404
Sausage:			
Pounds.....	21,252,903	17,820,025	15,541,624
Value.....	\$4,347,169	\$2,111,860	\$1,300,758
Lard:			
Pounds.....	103,502,420	59,038,106	71,084,771
Value.....	\$31,003,935	\$6,491,245	\$8,059,149
Lard compounds and substitutes:			
Pounds.....	5,032,256	(¹)	(²)
Value.....	\$1,227,371	(¹)	(²)
Tallow and oleo stock:			
Pounds.....	9,912,001	30,676,882	5,403,034
Value.....	\$1,857,524	\$2,150,303	\$422,490
Oleomargarine:			
Pounds.....	474,824	(¹)	(²)
Value.....	\$138,853	(¹)	(²)
Soap stock and grease:			
Pounds.....	14,134,506	8,880,127	(²)
Value.....	\$1,752,024	\$514,707	(²)
Casings:			
Pounds.....	4,003,007	2,001,832	(²)
Value.....	\$641,001	\$253,475	(²)
Fertilizer and fertilizer materials:			
Tons.....	9,599	7,970	12,819
Value.....	\$647,383	\$235,930	\$294,072
Hides and pelts:			
Cattle—			
Number.....	437,055	219,359	
Pounds.....	24,107,779	12,259,831	
Value.....	\$7,141,823	\$2,138,122	205,093
Calf—			
Number.....	33,928	8,588	1,878,592
Pounds.....	559,046	130,548	
Value.....	\$249,513	\$21,677	
Sheep—			
Number.....	263,719	307,648	49,534
Value.....	\$785,673	\$351,967	\$61,386
Hair, hog and cattle:			
Pounds.....	2,369,606	(²)	(²)
Value.....	\$157,671	(²)	(²)
All other products, value.....	\$8,003,307	\$2,529,413	\$2,832,362

¹ Included in "All other products," to avoid disclosure of individual operations.² Not reported separately.³ Includes a large amount of grease.

Butter, cheese, and condensed milk (Table 20).—This table presents the quantities and values of the principal products of the industry for 1919, 1914, and 1909. At each of the three censuses butter was the product of chief value, forming 87.3 per cent of the

total value of all products for the industry in 1919, as compared with 90.6 per cent in 1914. During this five-year period the value of butter increased 101.7 per cent, while the quantity decreased 2.5 per cent.

TABLE 20.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$57,800,148	\$27,605,968	\$25,849,866
Butter:			
Pounds.....	90,079,758	92,405,806	88,582,187
Value.....	\$50,438,628	\$25,011,327	\$24,440,716
Packed solid—			
Pounds.....	62,856,122	71,194,290	75,681,191
Value.....	\$34,729,324	\$19,025,043	\$20,800,762
Prints or rolls—			
Pounds.....	27,223,636	21,211,516	13,000,096
Value.....	\$15,700,304	\$5,986,284	\$3,639,953
Cream sold:			
Pounds.....	4,811,541	2,933,142	1,169,943
Value.....	\$611,338	\$299,071	\$134,156
Cheese:			
Pounds.....	1,015,700	855,198	999,559
Value.....	\$293,685	\$125,171	\$148,876
All other butter, cheese, and condensed-milk factory products, value.....	\$3,127,892	\$954,994	\$866,566
All other products, value.....	\$3,328,605	\$1,215,405	\$259,554

Flour-mill and gristmill products (Table 21).—This table shows the chief products of the industry in Iowa at the censuses of 1919, 1914, and 1909. Of the total value of products for the industry in the state, wheat flour formed 64.4 per cent in 1919 and 49.9 per cent in 1914. Bran and middlings and feed and offal combined formed 28 per cent and 27.4 per cent, respectively, for the two years. Illustrative of the high prices of commodities in 1919 as compared with 1914, the value of wheat flour increased 92 per cent, while the quantity decreased 15.9 per cent during the five-year period.

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

	1919	1914	1909
Total value.....	\$21,324,678	\$14,336,576	\$12,870,603
Wheat flour:			
Barrels.....	1,251,770	1,488,811	1,523,264
Value.....	\$13,728,744	\$7,149,334	\$7,958,975
Rye flour:			
Barrels.....	11,106	13,133	20,906
Value.....	\$97,436	\$63,451	\$95,019
Corn meal and corn flour:			
Barrels.....	145,364	318,690	184,301
Value.....	\$1,106,986	\$1,089,155	\$582,328
Buckwheat flour:			
Pounds.....	1,821,294	1,123,875	2,870,980
Value.....	\$118,398	\$41,424	\$97,510
Barley meal:			
Pounds.....	61,502		
Value.....	\$1,584		
Bran and middlings:			
Tons.....	54,516	63,857	
Value.....	\$2,504,998	\$1,369,505	
Feed and offal:			
Tons.....	62,006	99,219	
Value.....	\$3,456,387	\$2,562,991	\$3,595,581
Hominy and grits:			
Pounds.....	3,240,619	16,693,110	16,416,130
Value.....	\$101,908	\$188,080	\$232,936
Oatmeal:			
Pounds.....		4,510,962	
Value.....		\$125,054	
Breakfast foods:			
Pounds.....	20,242	45,879,016	
Value.....	\$1,203	\$1,053,873	
All other cereal products, value.....	\$206,944	\$24,460	\$90,296
All other products, value.....		\$69,279	\$217,958

Printing and publishing (Table 22).—This table shows the number and aggregate circulation per issue of each of the various classes of newspaper and periodical publications reported for the census years 1919, 1914, and 1909.

Of the 58 dailies reported for 1919, 45, with a circulation of 532,255, were issued in the afternoon. This is an increase over 1914 of 98,172, or 22.6 per cent. The circulation of the morning newspapers during the same five-year period increased 32,167, or 21 per cent. The decrease in the circulation of weekly publications was due to the discontinuance or reduction in circulation, as reported, of several weeklies of large circulation devoted to agriculture and religion. A considerable reduction in circulation of news weeklies was due to the discontinuance of a number of German papers.

Thirty-six publications, with a circulation of 201,238, were printed in foreign languages in 1919. Of these, 21 were weeklies, 11 of them being printed in German, 3 in Danish, 3 in Dutch, 2 in Bohemian, and 1 each in Norwegian and Swedish. There were 5 monthly publications, 1 each printed in Dutch, German, Norse, Norwegian and Danish, and Swedish; 2 triweeklies, both in German; 1 semiweekly in Norwegian; 1 trimonthly and 1 quarterly in German; and 1 semimonthly in Danish. Of the 1914 foreign-language publications, 78,375 of the 236,235 circulation were in German, as compared with 60,665 in 1919.

TABLE 22.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	845	928	1,004	4,910,108	4,856,573	3,806,253
Daily.....	58	68	68	717,007	587,268	450,919
Sunday.....	14	14	14	266,152	200,666	169,678
Semiweekly.....	28	34	48	96,337	110,113	136,726
Triweekly.....	8	6	4	25,054	24,150	15,900
Weekly.....	657	738	784	1,190,932	1,459,849	1,419,709
Semimonthly.....	11	11	8	134,400	193,830	84,960
Monthly.....	58	53	66	2,334,376	2,256,097	1,490,881
Quarterly.....	11	14	12	134,650	24,600	37,500

¹ Includes 1 trimonthly.

² Includes 2 bimonthlies.

³ Includes 1 bimonthly.

⁴ Includes 3 bimonthlies and 5 classed as "all other."

Agricultural implements (Table 23).—This table shows the value of the principal classes of agricultural implements manufactured in Iowa in 1919, 1914, and 1909. While the total value of products for the industry in the state shows an increase from census to census, consideration should be given to the increased value of commodities in 1919, in connection with the increase from 1914. In 1919, as in previous censuses, the largest single item of value was, "All other products, including parts," forming 57.7 per cent of the total for the industry in 1919, and 55.1 per cent in 1914. Although this item includes the value of

engines, wagons, etc., it is made up largely of agricultural implements the value of which could not be shown separately without the possibility of disclosing the operations of individual establishments.

TABLE 23.—AGRICULTURAL IMPLEMENTS: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$5,959,129	\$5,216,245	\$4,757,059
Plows and cultivators.....	248,340	922,599	438,837
Harvesting implements.....	1,610,684	936,505	1,157,701
Seed separators.....	656,133	446,990	55,918
All other products, including parts.....	3,436,994	2,875,266	2,785,870
Amount received for repair work.....	6,978	34,885	318,763

Laundries (Table 24).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 24, however, summarizes the statistics for such laundries in the state of Iowa for 1919 and 1914.

TABLE 24.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1914-1919
	1919	1914	
Number of establishments.....	129	176	-26.7
Persons engaged.....	2,466	2,883	-14.5
Proprietors and firm members.....	137	186	-26.3
Salaried employees.....	255	179	42.5
Wage earners (average number).....	2,074	2,518	-17.6
Primary horsepower.....	3,168	3,873	-18.2
Capital.....	\$2,569,074	\$1,784,871	43.9
Salaries and wages.....	1,730,459	1,331,153	30.0
Salaries.....	357,951	180,034	98.2
Wages.....	1,372,508	1,150,519	19.3
Paid for contract work.....	12,128	3,192	279.9
Rent and taxes.....	289,925	104,131	178.4
Cost of materials.....	901,410	587,027	53.4
Amount received for work done.....	3,904,658	2,882,005	35.5

¹A minus sign (—) denotes decrease.

Dyeing and cleaning (Table 25).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 25.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	70
Persons engaged.....	534
Proprietors and firm members.....	75
Salaried employees.....	103
Wage earners (average number).....	405
Primary horsepower.....	523
Capital.....	\$679,719
Salaries and wages.....	550,061
Salaries.....	127,310
Wages.....	422,751
Paid for contract work.....	5,593
Rent and taxes.....	65,263
Cost of materials.....	253,634
Amount received for work done.....	1,335,047

Custom sawmills and custom gristmills (Tables 26 and 27).—Statistics for custom sawmills and custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914.

TABLE 26.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1909-1919.
	1919	1909	
Number of establishments.....	53	117	-54.7
Persons engaged.....	91	294	-68.0
Proprietors and firm members.....	64	148	-56.8
Salaries and wages.....	19,120	41,849	-53.8
Wage earners (average number).....	27	133	-79.7
Primary horsepower.....	1,465	2,232	-34.4
Capital.....	\$91,813	\$150,755	-39.4
Salaries and wages.....	19,120	41,849	-53.8
Salaries.....	19,120	40,287	-52.5
Wages.....	19,120	40,287	-52.5
Rent and taxes.....	493	(?)	.....
Cost of materials.....	6,412	2,999	113.8
Amount received for work done.....	58,450	124,124	-52.9

¹ A minus sign (-) denotes decrease.

² Figures not available.

Tables 26 and 27, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represents the amount charged for the work performed, and that for custom gristmills, the selling value of all grain milled.

TABLE 27.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1909-1919.
	1919	1909	
Number of establishments.....	129	174	-25.9
Persons engaged.....	206	260	-20.8
Proprietors and firm members.....	155	216	-28.2
Salaries and wages.....	1	2	.....
Wage earners (average number).....	50	42	-33.1
Primary horsepower.....	4,042	6,013	-33.1
Capital.....	\$638,527	\$546,774	16.8
Salaries and wages.....	42,103	18,214	131.2
Salaries.....	600	580	3.4
Wages.....	41,603	17,634	135.4
Rent and taxes.....	0,437	(?)	.....
Cost of materials.....	2,574,078	1,094,869	135.2
Value of products.....	2,971,103	1,351,291	119.9

¹ A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

² Figures not available.

³ Includes estimate of all grain ground.

GENERAL TABLES.

Table 28 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for selected industries in the state and in the cities of Des Moines and Sioux City; and for Davenport and each of the cities in the state having from 10,000 to 50,000 inhabitants, for which comparative figures are available, similar data for all industries combined.

Table 29 presents, for 1919, for the state as a whole and for Davenport, Des Moines, and Sioux City, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants.

TABLE 28.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Expressed in thousands.			INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Expressed in thousands.		
					Wages.	Cost of materials.	Value of products.						Wages.	Cost of materials.	Value of products.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

All industries.....	1919	5,683	80,551	242,946	\$90,117	\$520,241	\$745,473	Bread and other bakery products.....	1919	538	2,583	3,376	\$2,973	\$12,511	\$20,244
	1914	5,614	83,113	190,049	39,880	205,451	310,750		1914	518	2,132	2,041	1,209	5,166	9,151
	1909	5,528	61,635	155,384	32,542	170,707	259,238		1909	495	1,647	1,172	840	4,147	6,818
Agricultural implements..	1919	26	906	2,386	1,082	2,822	5,959	Brick and tile, terra-cotta, and fire-clay products.....	1919	113	2,452	18,335	2,994	2,639	8,127
	1914	34	1,164	2,459	794	2,052	5,218		1914	158	3,183	20,081	2,189	2,021	6,400
	1909	42	1,318	2,554	683	2,171	4,757		1909	245	3,444	21,929	1,846	1,384	4,947
Artificial stone products..	1919	255	672	2,563	734	1,288	2,962	Brooms, from broom corn..	1919	44	198	263	181	545	1,052
	1914	384	809	2,484	502	951	2,082		1914	40	196	248	111	260	572
	1909	308	730	1,730	397	632	1,569		1909	51	240	127	111	331	649
Automobile bodies and parts.	1919	37	460	552	469	816	1,713	Butter, cheese, and condensed milk.....	1919	434	1,663	10,135	1,756	50,481	57,800
	1914	10	29	34	20	22	68		1914	490	1,333	9,048	1,013	24,075	27,606
	1909	4	84	(1)	42	68	132		1909	512	1,231	8,911	855	22,842	25,850
Awnings, tents, and sails..	1919	18	77	91	62	214	417	Buttons.....	1919	77	2,091	2,340	1,519	2,477	5,615
	1914	19	92	69	46	189	339		1914	81	2,406	3,086	1,009	1,473	3,255
	1909	16	77	61	35	137	245		1909	70	3,172	2,809	1,412	1,414	4,035
Boots and shoes.....	1919	6	653	779	449	2,270	3,047	Canning and preserving ²	1919	76	1,582	6,949	1,099	6,735	10,223
	1914	9	389	427	244	501	845		1914	64	1,209	4,400	438	2,122	3,920
	1909	10	716	345	313	1,059	1,633		1909	71	1,247	2,989	299	1,568	2,549
Boxes, cigar.....	1919	7	69	57	44	67	179	Carpets, rag.....	1919	22	64	142	53	32	144
	1914	7	76	46	31	49	115		1914	24	79	103	41	23	104
	1909	7	79	59	26	54	112		1909	32	158	220	78	44	206
Boxes, paper and other, not elsewhere specified.	1919	10	238	178	142	978	1,438	Carriages and wagons and materials.	1919	68	493	1,689	432	1,008	2,155
	1914	8	125	98	43	81	176		1914	93	904	2,120	636	1,903	3,437
	1909	6	128	64	33	57	128		1909	119	1,441	2,387	828	2,743	4,786

¹ Figures not available.

² Includes "canning and preserving, fruits and vegetables," and "pickles, preserves, and sauces."

MANUFACTURES—IOWA.

TABLE 28.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.—Continued.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mater- ials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mater- ials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
Cars and general shop con- struction and repairs by electric-railroad com- panies.	1919 1914 1909	15 12 13	323 298 183	538 490 1,273	\$402 218 112	\$312 153 96	\$770 400 231	Leather goods ¹	1919 1914 1909	120 157 67	411 557 600	412 422 380	\$511 393 353	\$2,604 1,905 1,812	\$4,225 3,054 2,555
Cars and general shop con- struction and repairs by steam-railroad com- panies.	1919 1914 1909	51 36 33	13,536 8,024 6,969	12,063 9,337 5,937	18,906 5,988 4,535	12,219 4,734 5,149	33,099 11,434 10,269	Lumber and timber prod- ucts. ¹	1919 1914 1909	144 141 229	3,549 3,302 4,658	11,686 2,100 16,564	3,149 2,100 2,356	9,593 6,713 7,141	17,893 11,427 12,659
Cleansing and polishing preparations.	1919 1914 1909	8 6 3	21 17 5	105 71 (¹)	18 11 3	126 63 18	276 138 41	Marble and stone work...	1919 1914 1909	58 88 87	244 337 315	979 913 514	339 719 243	1,030 1,572 616	2,169 2,572 1,338
Clothing, men's, including shirts.	1919 1914 1909	22 22 28	778 954 1,480	258 360 479	432 322 425	2,599 1,065 1,412	3,858 1,670 2,496	Mattresses and spring beds, not elsewhere specified.	1919 1914 1909	15 16 17	239 233 242	670 353 311	272 144 128	1,123 492 455	1,992 828 726
Clothing, women's.....	1919 1914 1909	10 14 19	503 563 876	405 97 123	317 220 304	1,145 751 885	2,069 1,670 1,635	Millinery and lace goods, not elsewhere specified.	1919 1914 1909	4 5 3	47 33 8	8 4 10	20 11 11	118 11 11	264 39 39
Coffee, roasting and grind- ing.	1919 1914 1909	16 14 11	173 282 249	586 967 346	145 147 114	4,355 2,966 2,098	5,129 3,804 2,661	Mineral and soda waters..	1919 1914 1909	108 117 99	207 278 232	416 424 364	190 168 125	826 506 294	1,633 1,111 794
Coffins, burial cases, and undertakers' goods.	1919 1914 1909	8 6 8	318 234 242	511 414 494	321 145 132	872 386 388	1,649 720 753	Optical goods.....	1919 1914 1909	9 9 7	71 40 17	31 26 14	56 25 8	110 64 26	350 104 69
Confectionery and ice cream.	1919 1914	182 176	1,739 1,519	4,183 2,850	1,285 721	6,871 3,100	11,635 5,086	Paints.....	1919 1914 1909	4 4 4	10 25 18	90 226 170	16 14 12	160 94 85	263 156 154
Cooperage.....	1919 1914 1909	14 20 34	111 155 249	263 268 467	115 79 121	499 304 560	806 521 876	Paper and wood pulp....	1919 1914 1909	4 3 4	136 8 205	1,932 1,312 1,435	141 54 81	293 283 281	612 280 437
Copper, tin, and sheet- iron work.	1919 1914 1909	120 86 71	803 558 585	570 503 1,925	914 386 1,025	2,634 1,439 1,505	5,062 2,489 2,414	Patent medicines and compounds and drug- gists' preparations. ²	1919 1914 1909	114 94 100	746 418 358	1,129 642 503	658 229 133	4,655 1,067 1,065	10,658 4,828 3,401
Dairymen's, poultry- men's, and apalarists' supplies.	1919 1914 1909	12 7 17	434 394 730	1,249 1,012 736	514 233 395	1,869 1,305 966	3,177 1,923 1,984	Paving materials.....	1919 1914	21 19	219 326	4,267 2,990	225 178	148 93	464 354
Electrical machinery, ap- paratus, and supplies.	1919 1914 1909	7 5 9	82 94 64	90 88 84	79 58 31	140 87 74	280 235 200	Poultry, killing and dress- ing, not done in slaugh- tering and meat-pack- ing establishments.	1919 1914	47 35	689 481	1,428 1,081	722 242	9,766 4,022	11,450 4,673
Flavoring extracts.....	1919 1914 1909	8 8 6	11 17 21	11 32 (¹)	10 10 8	120 60 53	205 114 110	Printing and publishing ²	1919 1914 1909	997 1,076 1,110	4,808 4,948 4,853	7,023 6,545 5,527	5,134 3,336 2,591	7,851 4,130 3,287	26,806 15,934 12,129
Flour-mill and gristmill products.	1919 1914 1909	189 227 227	509 790 647	13,729 10,388 18,830	578 430 382	18,613 11,758 10,934	21,325 14,337 12,871	Signs and advertising novelties.	1919 1914 1909	17 17 5	350 57 26	232 26 2	331 53 19	639 94 13	2,367 233 46
Food preparations, not elsewhere specified.	1919 1914 1909	30 24 24	2,441 1,371 833	16,021 5,235 3,124	2,368 806 406	45,262 11,393 7,109	54,994 15,450 9,795	Slaughtering and meat packing. ¹	1919 1914 1909	30 33 33	7,197 4,430 4,144	15,619 10,247 8,309	8,811 2,740 2,190	204,789 67,871 53,127	226,805 74,289 59,045
Foundry and machine- shop products. ²	1919 1914 1909	849 364 274	9,022 5,571 5,108	21,984 13,022 8,402	10,068 3,887 3,085	22,481 7,307 6,372	48,994 16,666 14,064	Soap.....	1919 1914 1909	7 8 9	82 115 150	140 290 270	68 71 58	993 1,076 910	1,427 1,418 1,382
Fur goods.....	1919 1914 1909	20 17 11	268 124 73	158 176 91	270 82 38	805 186 105	1,846 437 287	Stoves and hot-air fur- naces.	1919 1914 1909	10 17 14	412 393 352	636 618 484	547 289 222	3,096 1,213 890	3,096 1,213 890
Furniture and refrigera- tors.	1919 1914 1909	39 40 44	1,018 1,233 1,074	1,999 3,302 2,453	1,073 780 606	1,938 1,504 1,336	4,024 2,879 2,650	Tobacco, cigars.....	1919 1914 1909	211 298 366	1,305 1,662 1,897	56 31 (¹)	1,019 854 841	1,822 1,270 1,266	3,977 3,105 3,176
Gas, illuminating and heating.	1919 1914 1909	68 113 117	727 768 806	5,316 4,349 2,043	846 497 380	2,641 1,638 1,111	5,738 4,066 2,893	Tools, not elsewhere speci- fied.	1919 1914 1909	17 14 16	343 202 160	1,100 913 452	341 148 96	648 440 243	1,468 821 489
Gloves and mittens, leather.	1919 1914 1909	6 8 10	290 195 234	81 94 236	189 85 94	753 359 373	1,520 628 693	Wall plaster and composi- tion flooring.	1919 1914 1909	7 7 6	884 599 539	3,355 3,648 1,480	890 492 181	840 486 193	2,626 1,722 739
Grease and tallow, not including lubricating greases.	1919 1914 1909	29 6 9	69 33 26	287 241 (¹)	94 22 19	385 53 129	669 99 214	Washing machines and clothes wringers.	1919 1914 1909	14 14 11	1,063 375 341	1,418 685 651	1,213 237 178	4,629 703 541	8,515 1,490 1,117
Ice, manufactured.....	1919 1914 1909	46 34 18	504 192 151	5,859 3,469 2,045	539 150 101	532 202 64	1,841 579 290	Wirework, not elsewhere specified.	1919 1914 1909	10 9 13	114 160 113	252 363 (¹)	96 81 52	538 201 288	800 397 483
Jewelry.....	1919 1914 1909	18 16 16	66 54 95	46 52 127	65 39 53	89 28 49	274 102 165	All other industries.....	1919 1914 1909	217 233 291	9,478 6,273 6,003	53,030 38,590 23,380	10,022 3,996 3,188	53,033 20,673 10,200	85,038 33,402 31,426

¹ Figures not available.

*Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, tempering, welding, etc."; "machine tools"; "plumbers' supplies"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts" in all years; and "hardware, saddlery," in 1914 and 1909.

* Includes "saddlery and harness"; and "trunks and valises."

⁴ Includes "boxes, wooden packing, except cigar boxes"; and "lumber, planing-mill products, not including planing mills connected with sawmills."

⁵ Includes "perfumery and cosmetics."

⁷ Includes "sausage, not made in slaughtering and meat-packing establishments."

* Includes "sausage, not made in slaughtering and meat-packing establishments"

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TABLE 28.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
DAVENPORT ¹ All industries.	1919 1914 1909	219 231 232	3,928 3,958 4,231	11,462 9,121 9,166	\$4,308 2,402 2,178	\$21,562 10,116 11,571	\$32,587 17,173 18,802	SIoux CITY..... All industries.	1919 1914 1909	251 220 136	6,749 4,753 3,750	14,572 11,646 8,807	\$88,947 3,198 2,131	\$125,261 40,819 30,388	\$146,393 49,479 37,425
DES MOINES..... All industries.	1919 1914 1909	379 384 387	7,085 5,306 5,383	17,341 13,978 10,106	7,559 3,560 2,945	33,291 12,275 13,565	59,831 23,747 23,585	Automobile repairing.....	1919 1914	33 3	115 36	176 10	173 29	213 20	565 78
Bread and other bakery products.	1919 1914 1909	39 35 32	359 238 201	295 289 131	329 146 106	1,730 591 472	2,944 1,070 793	Bread and other bakery products.	1919 1914	24 19	323 279	528 201	293 153	1,277 600	2,115 950
Brooms, from broom corn.	1919 1914	3 5	38 20	18 16	33 13	81 21	136 45	Coffee, roasting and grind- ing.	1919 1914	4 4	39 19	91 88	34 10	1,235 387	1,411 497
Brick and tile, terra-cotta, and fire-clay products.	1919 1914 1909	8 10 11	295 445 323	1,529 2,600 2,454	383 312 198	317 313 189	1,002 823 513	Confectionery and ice cream.	1919 1914	11 6	189 150	457 140	135 62	714 414	1,100 558
Copper, tin, and sheet- iron work.	1919 1914 1909	12 16 10	111 60 51	71 40 43	137 43 40	281 160 82	663 307 173	Copper, tin, and sheet- iron work.	1919 1914	10 8	131 72	90 47	135 52	276 112	837 206
Flour-mill and gristmill products.	1919 1914 1909	5 6 6	40 39 42	615 433 271	43 24 23	1,329 506 653	1,488 579 757	Druggists' preparations...	1919 1914	3 5	89 39	69 10	128 24	928 223	1,317 411
Foundry and machine- shop products. ²	1919 1914 1909	26 26 25	227 271 335	519 714 798	295 195 218	674 556 828	1,409 1,139 1,613	Foundry and machine- shop products.	1919 1914	9 13	92 84	182 218	124 69	107 79	329 221
Fur goods.....	1919 1914	4 4	99 38	36 30	118 24	432 42	840 100	Fur goods.....	1919 1914	5 4	17 13	16 82	14 9	78 13	193 44
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919 1914 1909	10 13 8	180 181 186	490 438 (*)	187 132 83	725 825 392	1,463 1,624 606	Lumber, planing-mill products, not including planing mills connected with sawmills.	1919 1914	5 4	15 19	42 34	24 13	131 45	245 105
Mineral and soda waters...	1919 1914	4 5	15 19	42 34	24 13	131 45	245 105	Printing and publishing, book and job.	1919 1914	17 12	90 97	142 96	98 64	135 151	376 344
Patent and proprietary medicines.	1919 1914 1909	18 16 21	145 136 167	215 246 (*)	107 64 49	421 225 268	1,479 842 816	Printing and publishing, newspapers and periodi- cals.	1919 1914	11 15	261 238	468 727	342 207	723 287	1,705 861
Saddlery and harness.....	1919 1914	6 8	35 43	27 9	37 33	259 100	384 177	Saddlery and harness.....	1919 1914	6 8	35 43	27 9	37 33	259 100	384 177
Tobacco, cigars.....	1919 1914	9 10	29 48	4	23 29	62 39	114 96	Tobacco, cigars.....	1919 1914	9 10	29 48	4	23 29	62 39	114 96
All other industries.....	1919 1914 1909	12 10 14	60 74 107	11 2	54 40 49	101 64 73	214 142 178	All other industries.....	1919 1914	97 97	5,127 3,428	11,630 9,443	7,140 2,311	118,606 38,099	134,781 44,424
All other industries.....	1919 1914 1909	160 149 170	4,213 2,561 3,043	10,996 7,540 5,357	4,348 1,625 1,601	23,516 7,467 9,550	36,209 11,630 14,585								

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

BOONE.....	1919	39	369	437	\$375	\$699	\$1,550	IOWA CITY.....	1919	49	322	880	\$268	\$926	\$1,767
	1914	33	266	487	142	489	908		1914	61	350	714	212	571	1,333
	1909	33	166	313	83	222	409		1909	44	282	814	143	340	805
BURLINGTON.....	1919	97	2,274	4,875	2,170	6,782	12,090	KEOKUK.....	1919	71	1,598	7,527	1,549	11,917	17,555
	1914	118	2,246	3,993	1,316	3,751	6,896		1914	85	1,333	4,413	737	5,150	8,250
	1909	128	3,191	5,346	1,723	4,645	8,443		1909	91	1,541	3,219	776	4,684	7,399
CEDAR RAPIDS.....	1919	208	6,284	19,814	6,474	72,066	92,118	MARSHALLTOWN.....	1919	62	1,338	2,578	1,506	4,977	8,642
	1914	170	4,394	12,534	2,727	25,948	34,989		1914	61	1,060	2,388	693	3,338	5,150
	1909	153	3,565	7,224	1,869	18,650	24,824		1909	49	1,365	1,975	806	3,179	4,822
CLINTON.....	1919	119	3,452	9,884	4,090	19,345	30,321	MASON CITY.....	1919	59	2,367	18,078	2,859	23,054	29,513
	1914	105	2,079	8,842	1,614	6,949	10,427		1914	60	2,054	17,158	1,481	6,784	11,742
	1909	69	2,414	6,391	1,273	4,630	7,480		1909	40	807	3,729	470	1,796	2,881
COUNCIL BLUFFS.....	1919	111	1,891	3,978	2,474	5,542	10,611	MUSCATINE.....	1919	146	2,522	4,162	2,102	5,698	10,754
	1914	101	1,336	2,495	935	2,302	4,279		1914	142	2,397	4,871	1,166	3,009	5,999
	1909	101	1,434	1,756	845	1,957	3,769		1909	113	3,496	4,560	1,575	2,738	6,166
DUBUQUE.....	1919	131	6,147	10,861	6,024	19,952	34,277	OTTUMWA.....	1919	94	2,601	5,509	2,877	36,501	45,030
	1914	139	5,171	9,098	2,926	8,183	14,714		1914	88	2,447	4,434	1,498	18,014	21,300
	1909	156	5,160	9,623	2,602	9,002	15,249		1909	93	2,650	4,332	1,319	12,166	14,838
FORT DODGE.....	1919	80	1,005	4,178	1,395	7,198	10,884	WATERLOO.....	1919	161	4,620	9,910	5,791	23,393	35,481
	1914	56	951	2,930	612	3,113	4,871		1914	144	3,483	9,583	2,537	7,813	14,126
	1909	44	1,115	2,204	421	1,812	2,975		1909	108	3,124	4,247	1,793	4,642	8,999

¹ Comparative statistics by industries for 1914 and 1909 not available.² Includes "automobile repairing"; "gas machines and gas and water meters"; "iron and steel, welding"; "pumps, power, other than steam"; and "structural iron work, not made in steel works or rolling mills," in all years; and "engines, steam, gas, and water," and "hardware," in 1914.³ Figures not available.⁴ Includes "bookbinding and blank-book making" in all years; and "lithographing" in 1914 and 1909.

MANUFACTURES—IOWA.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.		Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.							Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Average number.	Wage earners.		Total.	16 and over.		Under 16.			
						Male.	Female.		Maximum month.	Minimum month.		Male.	Female.	Male.	Female.		
																Number, 15th day of—	
1	All industries.....	5,683	105,439	5,303	5,572	9,312	4,011	80,551	No 85,825	Fe 75,141	(*)	(*)	(*)	(*)	(*)	Dollars. 403,206,613	
2	Agricultural implements.....	26	1,141	20	93	69	53	906	De 991	Au 854	1,017	985	22	10	.....	5,232,384
3	Artificial stone products.....	255	1,081	280	79	30	20	672	Se 938	Ja 311	915	909	3	3	.....	3,077,059
4	Automobile bodies and parts.....	37	569	37	34	19	19	460	No 598	Ap 348	553	482	59	12	.....	1,234,487
5	Automobiles.....	6	151	1	19	15	12	104	Jo 131	Au 64	100	100			.....	1,220,136
6	Automobile repairing.....	579	2,311	735	81	51	89	1,355	Au 1,532	Ja 1,119	1,430	1,409	10	2	.....	4,412,673
7	Awning, tents, and sails.....	18	126	18	14	4	13	77	Au 108	Ja 49	73	53	20		.....	299,286
8	Bookbinding and blank-book making.....	12	160	12	9	37	17	85	De 91	Se 80	92	48	42	1	1	115,431	
9	Boots and shoes.....	6	740	2	26	38	21	653	Je 701	No 610	658	312	332	10	4	1,752,067	
10	Boxes, cigar.....	7	81	4	7		1	69	De 76	Jy 64	76	29	45	2		111,879	
11	Boxes, paper and other, not elsewhere specified.....	10	266	4	16	4	4	238	De 259	Ap 220	260	80	171	3	6	407,307	
12	Boxes, wooden packing, except cigar boxes.....	15	188	15	11	4	3	135	Ja 143	Jy 127	135	127	2	6	.....	293,195
13	Brass and bronze products.....	5	39	6	5	2	1	25	Jy 80	Ja 8	29	25	4		.....	142,626
14	Bread and other bakery products.....	538	3,992	600	165	354	281	2,683	No 1,066	Mh 755	2,873	1,813	965	63	32	9,401,672	
15	Biscuit and crackers.....	7	1,229		38	174	58	959	De 1,793	Ja 1,425	1,810	1,347	382	61	20	3,656,987	
16	All other.....	531	2,763	600	127	180	223	1,624			2,708	2,758	3	7	.....	5,744,685
17	Brick and tile, terra-cotta, and fire-clay products.....	113	2,854	97	167	106	32	2,452							.....	13,959,969
18	Building brick.....	20	522	26	29	11	6	450	Se 644	Ja 123	547	545	1	1	.....	3,643,025
19	Sewer pipe and drain tile.....	63	1,446	54	92	43	15	1,242	Au 1,038	Ja 501	1,407	1,405	2		.....	6,358,751
20	Terra-cotta products.....	17	702	12	35	48	9	508	Je 741	Ja 342	618	612		6	.....	3,257,637
21	All other.....	4	184	5	11	4	2	162	Je 215	De 77	196	196			.....	700,616
22	Brooms, from broom corn.....	44	802	55	20	20	9	198	De 218	Jy 182	218	151	64	2	1	742,182	
23	Butter.....	411	2,386	234	273	162	122	1,695	Je 1,881	Mh 1,243	1,637	1,378	250	9		9,292,240	
24	Buttons.....	77	2,347	77	83	62	34	2,091	De 2,497	My 1,939	2,575	1,686	801	23	65	4,795,360	
25	Canning and preserving, fruits and vegetables.....	92	1,540	32	157	48	32	1,271	Se 5,365	Fe 326	3,514	1,892	1,637	11	4	7,826,193	
26	Carpets, rag.....	22	103	22	5	7	5	64	Au 75	Ja 53	62	33	29		.....	84,428
27	Carriage and wagon materials.....	8	120	4	15	11	5	94	De 113	Ja 70	113	113			.....	407,990
28	Carriages and wagons, including repairs.....	60	573	78	25	54	17	399			452	445	7		.....	2,181,674
29	Carriages and wagons.....	31	504	39	24	54	16	371	De 430	Fe 320	422	415	7		.....	2,041,394
30	Repair work only.....	29	69	39	1		1	28	Je 31	My 25	30	30			.....	140,280
31	Cars and general shop construction and repairs by electric-railroad companies.....	15	345		13	4	5	323	Mh 331	Au 312	321	310	5		.....	841,603
32	Cars and general shop construction and repairs by steam-railroad companies.....	51	14,214		522	29	127	13,536	De 14,037	Je 13,157	14,015	13,944	71		.....	17,410,294
33	Cement.....	4	1,170		20	99	25	1,017	Se 1,310	Ja 536	1,041	1,025	16		.....	11,747,401
34	Cheese.....	20	37	19				17	Mh 19	De 12	20	19	1		.....	96,375
35	Chemicals.....	5	103		14	12	5	72	Je 109	Ap 82	104	100	4		.....	1,081,227
36	Cleansing and polishing preparations.....	8	70	2	15	16	16	21	Je 26	De 16	24	23	1		.....	231,967
37	Clothing, men's.....	18	844	1	48	71	19	705			840	58	774	1	7	2,434,539	
38	Men's and youths'.....	4	195		9	22	5	159	De 187	Ap 142	187	189	162	1	5	981,874	
39	All other.....	14	649	1	39	49	14	540	De 657	Mh 418	653	39	612		2	1,452,665	
40	Clothing, women's.....	10	613	4	45	43	18	603	Oc 556	My 467	532	123	404			1,828,837	
41	Coffee, roasting and grinding.....	16	331	7	36	98	17	173	Au 184	Ap 163	176	71	105			2,349,135	
42	Coffins, burial cases, and undertakers' goods.....	8	390	1	25	38	8	318	De 330	My 307	340	271	65	3	1	1,604,630	
43	Condensed milk.....	3	58		3	2	2	51	Ja 57	Ap 46	45	38	7		.....	541,469
44	Confectionery and ice cream.....	182	2,432	201	145	241	106	1,739			1,971	810	1,113	35	8	4,955,599	
45	Confectionery.....	69	1,759	55	83	196	57	1,868	No 1,697	Jy 1,143	1,596	506	1,080	2	8	3,087,534	
46	Ice cream.....	123	673	146	62	45	40	371	Jy 547	Ja 233	875	304	38	33		1,865,035	
47	Cooperage.....	14	137	15	5	1	5	111			121	120	1		.....	337,852
48	Hogheads and barrels.....	7	57	6	2		2	47	De 55	Je 87	55	55			.....	134,037
49	All other.....	7	80	9	3	1	3	64	Je 78	De 44	66	65	1		.....	153,815
50	Copper, tin, and sheet-iron work.....	120	1,123	118	86	64	52	803	De 924	Mh 654	939	910	16	7		3,079,470	
51	Cutlery and edge tools.....	3	57	2	1	30		24	Ja 81	Jy 20	28	15	10	2	1	43,615	
52	Dairymen's, poultrymen's, and apiarists' supplies.....	12	575	7	33	66	35	434			510	497	13		.....	2,411,164
53	Poultrymen's supplies, other than incubators and brooders.....	6	39	7	5	1	2	24	Au 31	Ja 15	32	26	6		.....	158,013
54	All other.....	6	536		28	65	33	410	Mh 512	Au 241	478	471	7		.....	2,253,151
55	Druggists' preparations.....	15	374	7	50	55	28	234	Jy 258	Fe 205	251	192	59		.....	1,006,666
56	Electrical machinery, apparatus, and supplies.....	7	118	4	17	6	9	82	De 96	Fe 72	96	81	15		.....	325,058
57	Electroplating.....	6	30	8	1			21	No 29	Fe 13	28	25		3	.....	23,567
58	Engines, steam, gas, and water.....	17	3,482	2	208	302	231	2,739	Mh 3,536	Au 1,489	2,929	2,905	22	2	.....	13,427,407
59	Flavoring extracts.....	8	22	3	4	1	3	11	Au 16	Fe 7	16	11	5		.....	129,990
60	Flour-mill and gristmill products.....	189	928	219	82	79	39	509	De 576	Jy 475	588	578	7	3	.....	9,116,142
61	Food preparations, not elsewhere specified.....	30	3,565	29	45	850	190	2,441			2,869	2,176	691	1	1	21,908,626	
62	Breadstuff preparations, cereals and breakfast foods.....	7	3,361	3	32	829	175	2,322	No 3,071	Ap 1,620	2,651	1,994	655	1	1	21,037,363	
63	Sweetening sirups, other than cane.....	11	43	14		2	1	26	Se 105	Ja 3	107	101	6		.....	272,747
64	All other.....	12	161	12	13	29	14	93	Au 117	Ap 73	111	81	30		.....	593,516
65	Foundry and machine-shop products.....	198	4,603	182	334	371	187	3,529			3,976	3,880	82	13	1	16,255,905	
66	Boiler shops.....	11	112	14	8	3	6	81	Oc 93	My 70	87	79		8	.....	412,562
67	Foundries.....	17	742	11	45	15	6	665	De 835	Au 528	807	859	8		.....	1,724,155
68	Machine shops.....	146	2,239	138	188	295	122	1,498	De 1,622	Mh 1,370	1,659	1,608	48	2	1	8,292,117	
69	Machine shop and foundry combined.....	24	1,510	19	95	58	53	1,285	De 1,429	Jy 1,226	1,363	1,334	26	3	.....	5,837,071
70	Fur goods.....	20	401	21	35	35	42	268	Fe 320	Au 203	307	145	161		1	993,849	
71	Furniture.....	36	1,088	23	54	67	30	894			1,051	964	91	6		2,563,688	
72	Wood furniture, other than rattan and willow.....	23	689	7	43	57	22	560	No 640	Ja 469	636	607	23	6	.....	1,586,093
73	Store and office fixtures.....	13	379	16	11	10	8	334	De 414	Ja 261	415	347	68		.....	977,493

* 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.			Rent and taxes.			For materials.						Primary horsepower.					Electric horse-power generated in establishments reporting.		
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Owned.			Rent- ²							
													Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹			

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 15,244,798	Dollars. 18,799,162	Dollars. 90,117,109	Dollars. 1,470,139	Dollars. 2,074,772	Dollars. 13,025,449	Dollars. 506,034,871	Dollars. 14,205,936	Dollars. 745,472,697	Dollars. 225,231,890	Dollars. 242,946	101,494	17,948	7,030	3,862	112,612	53,709	1
327,991	156,642	1,082,273	350	3,149	184,829	2,740,546	81,651	5,959,129	3,136,932	2,390	305	99	437	247	1,992	2	2
139,316	48,095	734,426	19,798	9,703	29,552	1,232,251	55,697	2,902,802	1,674,354	2,868	456	14	588	14	1,423	23	3
79,044	60,657	409,091	9,004	22,129	22,532	706,817	19,624	1,713,008	890,667	552	150	7	588	7	402	58	4
48,190	32,989	120,842	15,690	3,485	7,894	1,141,103	11,407	1,684,005	431,492	161	10	803	2,419	4	161	5	5
184,473	121,874	1,739,347	8,811	187,961	39,918	2,187,167	144,938	5,806,835	3,474,730	3,232	10	17	803	2,419	161	6	6
27,861	24,767	62,370	300	12,355	12,089	209,618	3,921	416,680	203,141	81	17	17	803	2,419	161	7	7
14,621	84,869	64,865	4,600	8,281	12,086	133,442	2,905	421,608	285,101	102	17	17	803	2,419	161	8	8
62,249	95,074	449,358	3,126	9,000	0,552	2,254,199	15,673	3,047,187	777,815	779	275	275	803	2,419	161	9	9
13,344	675	44,295	1,500	1,345	64,762	64,762	2,682	179,446	112,012	87	60	60	803	2,419	161	10	10
28,431	11,807	142,137	11,329	62,380	971,072	7,260	1,437,696	459,294	178	178	60	60	803	2,419	161	11	11
29,179	4,135	105,388	2,400	2,112	342,892	7,448	534,632	184,292	621	425	425	4	803	2,419	161	12	12
19,312	2,608	35,910	280	551	144,998	8,072	224,616	71,846	51	51	425	4	803	2,419	161	13	13
353,479	737,415	2,973,473	9,777	195,140	239,380	12,092,631	417,960	20,244,037	7,733,476	3,376	698	2	79	1	2,690	608	14
109,378	420,531	748,842	2,985	14,552	2,936,222	64,496	5,835,172	2,832,450	1,214	693	693	2	79	1	2,690	608	15
244,101	390,884	2,224,631	9,777	102,155	164,828	9,166,409	353,404	14,410,896	4,901,022	2,162	5	2	79	1	2,690	608	16
305,465	184,193	2,994,201	25,489	21,706	97,465	1,694,077	945,135	5,487,945	18,335	18,335	10,823	280	451	1	6,781	569	17
61,746	17,837	597,795	778	15,139	19,434	122,771	280,368	1,391,090	987,951	4,246	2,400	80	12	1	1,754	45	18
139,623	72,520	1,481,216	680	3,346	45,512	521,150	852,686	3,923,379	2,654,643	8,838	6,513	200	303	1	1,782	511	19
88,799	80,193	705,980	21,531	2,081	27,593	239,907	427,146	2,230,864	1,589,811	3,436	1,210	46	46	1	2,180	30	20
25,287	7,643	209,270	2,500	1,200	4,921	61,307	133,877	530,824	355,640	1,815	700	130	130	1	1,115	22	21
41,267	49,487	180,702	142	3,345	6,450	537,177	7,747	1,052,237	607,813	203	130	130	130	1	1,115	22	22
450,718	310,443	1,078,637	61,371	35,728	276,080	48,946,955	492,526	56,422,287	6,982,806	9,681	5,422	117	781	47	3,314	568	23
239,687	159,925	1,610,448	131,538	16,163	63,096	2,411,221	65,607	5,116,465	3,133,677	2,340	1,595	137	137	1	7,608	24	24
305,228	103,942	876,294	100,000	10,364	252,839	5,147,037	119,315	8,014,770	2,748,418	6,611	4,280	165	40	1	2,126	495	25
8,980	10,848	53,404	250	3,409	698	26,813	5,290	144,434	112,331	142	125	9	9	1	118	26	26
44,377	10,759	99,194	1,890	3,748	355,900	10,961	610,999	244,132	433	433	125	9	9	1	304	27	27
43,104	55,168	332,971	1,555	13,920	14,588	611,497	29,728	1,644,383	903,153	1,251	624	138	138	1	480	14	28
48,104	55,108	297,181	1,565	12,211	13,206	554,807	25,424	1,897,468	817,237	1,088	624	83	83	1	331	8	29
28,327	9,185	401,530	7,183	12,971	1,382	66,690	4,304	146,916	85,921	163	50	65	65	1	108	6	30
1,400,793	540,479	18,900,237	1,015	105,975	11,221,140	997,830	33,098,600	20,879,630	12,063	7,020	2,418	166	166	1	2,459	12,390	31
94,261	194,482	1,515,337	85,233	245,010	3,467,156	1,712,930	8,121,014	2,940,928	17,331	13,725	3,600	6	6	1	17,953	33	32
25,104	21,694	70,927	826	145	243,972	4,704	284,145	35,379	100	93	2	2	2	1	609	35	33
26,683	33,729	18,499	2,682	4,597	124,085	1,501	558,084	237,339	854	225	6	6	6	1	100	36	34
135,628	152,164	390,989	4,200	22,089	162,885	2,538,270	12,398	3,717,154	1,186,486	239	239	82	82	1	239	37	35
25,659	30,056	102,904	190	64,979	589,078	2,733	892,121	209,310	82	82	239	82	82	1	157	38	36
100,869	122,098	285,021	4,200	22,749	107,906	1,948,292	9,605	2,855,133	897,176	167	275	110	110	1	130	39	37
144,736	87,978	310,615	4,865	36,700	1,102,850	42,624	2,009,149	923,689	405	405	275	110	110	1	476	40	38
96,468	189,957	145,218	20,937	48,502	4,359,311	15,930	6,128,790	778,295	589	511	180	180	180	1	331	41	39
72,601	111,812	320,879	0,000	154,049	351,183	21,094	1,098,716	301,122	354	340	180	180	180	1	331	42	40
35,999	6,953	80,237	5,044	4,140	785,085	37,559	1,098,716	301,122	354	340	180	180	180	1	331	43	41
383,247	635,285	1,285,390	24,037	92,100	519,937	6,681,838	189,005	11,634,623	4,163	1,427	61	312	312	1	2,883	182	42
246,084	566,536	878,647	53,592	67,620	4,231,995	55,118	7,660,652	3,239,830	1,890	1,041	61	312	312	1	1,848	177	43
137,263	68,749	406,743	24,037	38,998	42,317	2,460,143	93,947	3,967,149	1,422,886	2,204	1,041	61	312	1	1,535	5	44
10,320	5,248	116,386	130	543	29,032	480,781	8,710	806,794	308,353	263	192	24	24	1	47	7	45
10,800	1,588	53,613	60	410	26,380	283,405	3,418	469,707	172,884	102	75	75	75	1	7	7	46
5,620	3,060	61,773	80	183	2,052	137,326	5,292	339,087	133,460	161	117	4	4	1	40	7	47
174,407	129,742	913,977	11,683	32,406	71,555	2,601,327	32,568	5,061,980	2,423,004	570	40	54	54	1	478	4	48
3,114	8,016	13,971	43	13,120	1,362	18,120	1,362	54,017	35,445	21	21	21	21	1	21	51	49
98,067	125,800	514,371	6,327	78,330	1,836,447	32,130	3,176,981	1,308,404	1,240	550	550	550	550	1	699	52	50
9,617	2,813	22,459	3,412	210	136,482	1,172	254,973	117,319	51	51	550	550	550	1	51	53	51
88,450	123,077	491,012	2,915	78,111	1,699,965	30,958	2,922,008	1,191,085	1,108	550	550	550	550	1	648	54	52
172,741	175,793	266,330	1,050	19,009	104,400	1,096,225	14,894	3,070,077	1,058,953	161	10	10	10	1	151	55	53
24,861	16,940	78,735	2,258	2,246	135,625	3,880	280,306	140,801	90	90	10	10	10	1	80	56	54
1,800	26,435	28,435	2,813	126	11,720	3,221	62,880	47,939	41	41	10	10	10	1	41	15	57
578,385	511,213	3,645,977	3,925	16,823	451,623	8,601,234	293,284	17,610,778	3,716,280	7,799	2,085	62	62	1	5,662	878	58
10,330	4,597	9,589	3,200	4,084	19,132	1,130	204,876	84,614	11	11	10	10	10	1	11	59	55
199,606	141,705	578,181	1,547	7,555	144,808	18,372,312	240,750	21,324,678	2,711,616	13,729	5,126	1,561	3,183	1	3,859	530	60
41,179	1,565,920	2,367,626	1,018	11,570	44,824,254	437,687	54,994,131	9,732,190	16,021	16,021	667	667	667	1	14		

MANUFACTURES—IOWA.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.		
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.			Under 16.	
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.		Male.	Female.
								Maximum month.	Minimum month.						

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

															Dollars.
1	Gas, illuminating and heating.....	68	1,052	1	101	135	88	727	De 750	Fe 696	816	813	3	.....	20,600,750
2	Gas machines.....	5	24	1	3	1	2	17	No 20	Ja 14	19	19	.....	.....	129,405
3	Glass, cutting, staining, and ornamenting.....	5	10	4	.....	.....	.....	12	Oc 17	Ja 3	15	13	.....	2	9,469
4	Gloves and mittens, leather.....	6	415	5	25	71	24	280	Jy 311	Ja 283	310	125	170	7	1,316,008
5	Gloves and mittens, cloth, not including gloves made in textile mills.....	6	278	3	10	13	6	244	Ja 321	Se 204	289	36	251	.....	661,901
6	Glucose and starch.....	4	1,168	.....	34	93	34	1,007	Ja 1,431	De 763	1,216	1,183	33	.....	10,548,184
7	Grease and tallow, not including lubricating greases.....	29	108	80	.....	1	2	69	.....	.....	76	76	.....	.....	354,772
8	Soap stock.....	25	97	24	4	1	2	66	Oc 73	Ap 60	72	72	.....	.....	319,892
9	All other.....	4	9	6	.....	.....	.....	3	Se 4	Ja 2	4	4	.....	.....	34,880
10	Hand stamps.....	7	18	8	.....	.....	.....	10	Se 15	Ja 8	13	11	2	.....	31,783
11	Hardware.....	10	725	9	38	61	39	678	No 718	Ja 469	711	620	90	1	2,039,362
12	Hats and caps, other than felt, straw, and wool.....	4	79	3	5	6	2	63	De 110	My 29	110	23	87	.....	162,678
13	Ice, manufactured.....	46	661	35	65	32	25	504	Jy 717	De 313	336	333	3	.....	4,620,865
14	Instruments, professional and scientific.....	4	10	4	1	1	1	6	Oc 6	Mh 4	6	6	.....	.....	11,361
15	Iron and steel, tamping, welding, etc.....	4	34	11	1	2	19	19	Au 30	Ja 12	20	19	1	.....	59,185
16	Jewelry.....	18	108	17	11	7	7	66	Se 79	Ja 56	73	67	5	1	161,270
17	Lithographing.....	4	165	1	13	15	9	127	No 144	My 118	141	97	41	3	323,913
18	Lubricating greases.....	3	21	.....	7	1	13	13	Ja 15	No 12	12	12	.....	.....	89,900
19	Lumber and timber products.....	32	260	31	13	10	3	203	Se 234	Au 179	258	257	1	.....	553,218
20	Lumber, planing-mill products, not including planing mills connected with sawmills.....	97	3,934	76	171	336	140	3,211	No 3,633	Ja 2,451	3,639	3,471	144	23	12,968,813
21	Marble and stone work.....	58	403	73	28	43	15	244	.....	.....	264	263	1	.....	1,382,568
22	Monuments and tombstones.....	49	303	64	24	33	12	169	My 178	Ja 150	178	177	1	.....	1,065,627
23	Other marble and stone work, except slate.....	9	101	9	4	10	3	75	Au 102	Fe 41	88	88	.....	.....	316,941
24	Mattresses and spring beds, not elsewhere specified.....	15	316	7	25	32	13	239	No 275	Ja 169	275	223	46	4	1,104,975
25	Millinery and lace goods, not elsewhere specified.....	4	71	2	6	1	15	47	Oc 57	Jy 38	50	5	44	.....	123,700
26	Mineral and soda waters.....	108	430	130	41	32	20	207	Jy 343	Ja 118	215	200	4	11	1,567,747
27	Models and patterns, not including paper patterns.....	8	26	8	.....	.....	1	17	Jy 20	Ap 13	17	17	.....	.....	81,515
28	Musical instruments and materials, not elsewhere specified.....	4	7	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,250
29	Optical goods.....	9	103	5	7	5	15	71	Se 79	Ja 64	60	41	15	2	228,527
30	Paints.....	4	30	.....	8	9	3	10	Jy 11	Ja 8	11	11	.....	.....	203,758
31	Paper and wood pulp.....	4	151	1	6	5	3	136	Fe 191	Se 70	187	161	26	.....	2,515,745
32	Patent medicines and compounds.....	90	1,541	68	131	776	173	393	.....	.....	429	239	185	1	4,215,997
33	Patent and proprietary medicines.....	81	1,522	58	130	775	172	387	Se 408	Ja 358	421	232	184	1	4,154,750
34	Patent and proprietary compounds, not elsewhere specified.....	9	19	10	1	1	1	6	Se 10	Ja 5	8	7	1	.....	61,247
35	Paving materials.....	21	273	14	18	18	4	219	Se 300	Ja 99	279	279	.....	.....	1,145,814
36	Perfumery and cosmetics.....	9	225	10	19	61	16	119	De 137	My 109	137	26	111	.....	730,555
37	Photo-engraving.....	3	30	2	6	.....	3	19	Se 26	Mh 11	23	21	2	.....	40,800
38	Pickles, preserves, and sauces.....	14	435	9	27	55	33	311	Au 492	Fe 228	329	176	128	3	1,985,904
39	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	47	900	55	49	69	38	689	De 1,648	Mh 251	1,430	1,154	268	3	2,642,122
40	Printing and publishing, book and job.....	207	1,775	199	160	27	145	1,244	.....	.....	1,428	902	484	27	3,971,693
41	Job printing.....	191	1,097	188	152	16	134	1,207	De 1,361	Ja 1,134	1,337	869	476	27	3,805,327
42	Book publishing and printing.....	8	40	5	3	10	10	12	Fe 14	Ap 10	13	7	6	.....	74,891
43	Linotype work and typesetting.....	8	38	6	5	1	1	25	No 28	Fe 20	28	26	2	.....	91,475
44	Printing and publishing, newspapers and periodicals.....	774	6,363	826	437	1,050	698	3,352	.....	.....	3,501	2,530	812	150	15,545,132
45	Printing and publishing.....	31	1,003	14	101	265	149	474	De 502	Fe 443	505	456	37	12	2,215,278
46	Printing, publishing, and job printing.....	679	5,059	787	268	729	413	2,832	De 3,243	Ja 2,717	2,976	2,064	765	138	12,474,361
47	Publishing without printing.....	64	301	25	68	56	136	16	Fe 21	Je 12	20	10	10	.....	855,493
48	Pumps, steam and other power.....	4	400	.....	16	52	18	323	De 378	Je 271	378	339	20	16	1,373,813
49	Refrigerators.....	3	148	.....	11	7	6	124	De 134	Se 115	134	131	3	.....	445,210
50	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	9	977	1	40	59	38	839	Oc 995	Ja 540	1,008	940	68	.....	9,928,488
51	Saddlery and harness.....	110	618	123	34	51	12	395	Oc 496	Jy 330	379	372	7	.....	3,052,322
52	Sausage, not made in slaughtering and meat-packing establishments.....	9	89	8	6	7	5	63	De 75	Ap 53	65	63	2	.....	92,446
53	Shipbuilding, wooden, including boat building.....	5	11	6	.....	.....	.....	5	Se 9	Oc 3	6	6	.....	.....	33,680
54	Shirts.....	4	96	.....	10	6	7	73	Au 85	Fe 64	79	10	68	1	70,347
55	Signs and advertising novelties.....	17	643	11	25	123	124	350	.....	.....	420	230	182	2	1,979,338
56	Electric signs.....	3	22	4	2	.....	2	14	No 19	Fe 8	17	17	.....	.....	21,022
57	Other signs.....	7	42	6	2	1	4	29	No 41	Mh 21	38	37	1	.....	109,627
58	Advertising novelties.....	7	579	1	31	122	118	307	No 404	Fe 204	385	176	181	2	1,848,689
59	Slaughtering and meat packing.....	21	8,965	11	145	1,355	320	7,134	Ja 8,170	Se 6,032	8,051	7,240	793	15	59,813,152
60	Soap.....	7	135	7	14	26	6	82	Se 95	Ap 57	88	61	26	1	1,009,288
61	Stationery goods, not elsewhere specified.....	3	11	4	3	1	2	1	(*) 1	(*) 1	1	1	.....	.....	14,696
62	Steam fittings and steam and hot-water heating apparatus.....	5	245	2	31	26	19	167	Au 176	Mh 157	176	166	10	.....	912,828
63	Stoves and hot-air furnaces.....	10	554	1	40	69	32	412	Oc 526	My 311	492	491	1	.....	2,913,549
64	Structural ironwork, not made in steel works or rolling mills.....	17	319	7	28	46	14	224	Se 281	Mh 147	240	240	.....	.....	1,477,639
65	Tobacco, chewing and smoking, and snuff.....	6	59	6	3	5	3	42	Fe 45	No 38	43	17	26	.....	344,336

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent-^{1}
										Steam engines (not turbines),	Steam turbines.	Internal-combustion engines.	Water power. ¹		

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
184,472	217,506	849,497	10,080	324,981	874,171	1,767,102	5,737,627	3,096,354	5,316	3,927	545	147	1	696	1,103	1	2	3	
5,040	3,156	17,874	1,638	441	23,803	1,149	105,958	81,446	24					24			4	5	
89,379	135,809	188,826	1,924	46	15,377	425	39,717	23,915	8					8			14		
21,307	11,005	97,937	2,970	14,115	748,799	4,052	1,519,893	767,042	31	30				31					
			5,030	5,928	521,116	4,662	757,257	231,479	112					112					
239,470	375,388	1,498,247	344	1,612,199	17,012,556	628,815	24,688,750	7,047,379	8,413	1,741	4,759	4		1,914	5,552	6	7		
18,440	2,169	94,069	5,170	3,028	57,919	305,217	669,239	284,465	287	207		47		33					
18,440	2,169	89,375	2,170	2,258	56,969	353,801	18,344	635,432	265	207		45		13			8		
		4,694	3,000	770	950	11,416	1,213	33,807	22			2		20			9		
		11,100		1,116	93	11,072	374	38,824	22					11			10		
113,104	137,720	581,041	60,000	5,340	65,431	891,299	27,033	2,257,523	1,339,191	531	125			406			11		
12,085	5,080	52,007		2,784	983	164,836	950	280,663	114,877	7				7			12		
157,449	46,350	580,271	3,029	5,675	56,446	186,727	345,750	1,841,012	1,308,535	5,859	4,140		445	1,274	371	13			
	650	4,843	501	280	80	7,499	298	21,552	13,765	11				11			14		
2,000	2,447	28,967	15	3,270	143	23,440	5,882	91,339	62,067	29				29			15		
16,941	7,978	65,393	704	6,111	4,080	86,481	2,675	273,600	184,524	46				46			16		
50,492	61,070	140,710	4,490	9,000	8,630	339,557	4,857	744,462	400,048	138				138			17		
	24,114	13,806	873	50	387	72,586	939	131,665	58,040	72				60			18		
90,594	31,115	254,201	11,973	2,393	11,211	444,854	11,524	970,884	514,306	1,461	823	15	63	560			19		
486,783	688,900	2,780,381	74	18,031	263,565	8,646,970	138,826	16,387,832	7,602,086	9,604	5,643	900	64	2,997	3,329	20			
77,007	113,383	339,301	18,238	12,578	17,687	1,000,885	29,682	2,168,561	1,138,494	979	75		19	885			21		
68,041	86,905	230,094	18,238	8,411	14,543	777,414	21,100	1,692,947	894,433	478	75		19	384			22		
9,560	20,478	109,207		4,167	3,144	222,971	8,582	475,614	244,061	501				501			23		
58,347	44,600	272,350	100	8,478	78,086	1,107,822	14,889	1,991,554	868,843	670	94			576	13	24			
13,983	13,504	29,315		6,715	14,604	117,263	594	263,724	145,867	8				8			25		
81,235	48,121	180,022	5,092	21,743	106,879	798,057	27,528	1,632,801	807,216	416	66		18	332			26		
	520	28,679		1,270	401	14,025	827	63,288	47,536	30				30			27		
				276	66	1,166	99	7,704	6,439	3				3			28		
22,033	15,407	55,504		7,914	11,491	108,613	1,685	349,955	239,657	81				81			29		
28,521	41,049	10,447		3,748	4,759	157,559	2,067	265,434	108,808	90				90			30		
32,400	11,857	141,161		6,514	224,252	68,401	68,401	612,132	319,479	1,932	1,025			907			31		
264,563	1,180,392	332,404	3,470	20,606	174,596	1,083,126	20,770	6,348,551	4,394,649	864	185		73	606	93	32			
264,260	1,178,940	320,092	3,826	26,320	172,899	1,018,910	20,897	6,315,918	4,376,611	837	185		73	579	93	33			
303	1,452	3,312	150	286	1,697	14,216	379	32,633	18,038	27				27			34		
25,914	23,410	225,312		15,225	2,089	101,096	47,203	464,434	316,135	4,267	2,708		48	1,511			35		
53,050	117,013	59,301		6,880	14,950	685,985	4,459	1,239,587	549,143	104	30			74			36		
16,613	2,070	24,415	1,414	1,800	39	10,826	760	82,146	70,560	16				16			37		
63,808	111,487	224,058	814	3,480	40,966	1,445,760	22,825	2,205,457	739,872	338	202		2	134			38		
95,256	113,382	722,168		23,255	23,793	9,709,566	50,237	11,449,501	1,633,098	1,428	370		32	1,026			39		
378,306	279,907	1,176,739	35,909	114,813	38,688	1,844,838	59,022	5,209,560	3,305,700	1,440			29	1,411	1	40			
370,584	263,680	1,130,830	26,243	110,769	37,861	1,827,239	50,669	5,064,824	3,181,010	1,423			29	1,394	1	41			
3,800	14,902	11,734	9,666	2,306	102	8,628	242	65,711	56,841	6				6			42		
3,022	1,375	34,166		1,738	725	8,971	2,211	79,025	67,843	11				11			43		
1,222,800	1,658,300	3,740,063	470,076	245,771	355,805	5,162,464	303,934	20,430,950	14,964,558	5,353	499	4	445	8	4,397	355	44		
299,978	441,523	580,675	14,760	32,291	136,424	994,005	100,163	3,682,175	2,588,007	959				945			45		
704,006	1,038,542	3,146,990	43,245	187,672	215,654	3,974,899	203,180	15,510,172	11,332,093	4,383	499	4	431	8	3,441	355	46		
128,810	178,235	12,389	412,071	25,808	3,727	193,560	591	1,238,609	1,044,458	11				11			47		
69,496	78,283	404,731	5,000	44,911	605,847	40,534	40,534	1,379,019	782,838	552				552			48		
19,080	21,743	138,944																	

MANUFACTURES—IOWA.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.		
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.			Under 16.	
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.		Male.	Female.
								Maximum month.	Minimum month.						

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

																			Dollars.
1	Tobacco, cigars.....	211	1,627	228	38	41	15	1,305	No	1,384	Jy	1,230	1,362	593	743	10	10	1,828,071	
2	Tools, not elsewhere specified.....	17	434	14	34	26	17	343					404	359	45			1,383,879	
3	Shovels, spades, scoops, and hoes.....	6	58	6	7	8	2	35	Fe	45	My	29	37	32	5			285,304	
4	All other.....	11	376	8	27	18	15	308	Oc	394	Ap	152	387	327	40			1,097,485	
5	Toys and games.....	5	99	11	1		7	80	Oc	112	Fe	53	109	8	101			33,860	
6	Trunks and valises.....	10	30	12		2	16	An	18	Ja ^s	15	16	13	3				71,383	
7	Wall plaster and composition flooring.....	7	1,012		21	80	27	884	No	1,160	Ja	577	1,072	1,070		2		2,228,667	
8	Washing machines and clothes wringers.....	14	1,484		130	204	87	1,063	De	1,185	Ja	915	1,189	1,173	13	3		5,803,851	
9	Wirework, not elsewhere specified.....	10	141	8	10	3	6	114	Je	135	Se	84	118	86	32			413,873	
10	Wood, turned and carved.....	8	145	7	10	3	7	118	Ja	131	Ja	104	122	115	7			430,220	
11	All other industries*.....	110	6,888	51	290	462	288	5,811										32,830,932	

*All other industries embrace—																		
Artificial flowers.....	1																	
Artificial limbs.....	1																	
Baking powders and yeast.....	1																	
Baskets, and rattan and willow ware.....	1																	
Blacking, stains, and dressings.....	1																	
Bluing.....	1																	
Brushes.....	1																	
Butter, reworking.....	2																	
Cars, steam-railroad, not including operations of railroad companies.....	2																	
Cash registers and calculating machines.....	2																	
Cordage and twine.....	1																	
Dental goods.....	2																	
Engraving, steel and copper plate, including plate printing.....	1																	
Explosives.....	1																	
Ferroalloys.....	1																	
Fertilizers.....	1																	
Fireworks.....	1																	
Flags and banners.....	2																	
Furnishing goods, men's.....	2																	
Gas and electric fixtures.....	4																	
Glue, other than fish.....	1																	
Hair work.....	1																	
Iron and steel, steel works and rolling mills.....	2																	
Ivory, shell, and bone work, not including combs and hairpins.....	2																	
Knit goods.....	2																	
Labels and tags.....	1																	
Lead, bar, pipe, and sheet.....	1																	
Lime.....	2																	
Liquors, malt.....	2																	
Locomotives, not made by railroad companies.....	1																	
Looking-glass and picture frames.....	1																	
Machine tools.....	1																	

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	DAVENPORT—All industries.....	219	5,271	192	352	516	283	3,925	De	4,482	Ja	3,671	4,517	3,301	1,172	20	24	19,943,982
2	Artificial stone products.....	4	26	5	5		1	15	Jy	25	Ja	0	15	15				60,033
3	Automobile bodies and parts.....	4	28	5	2	1	1	19	Jy	22	Ja	15	20	20				42,800
4	Automobile repairing.....	14	122	10	9	14	12	77	Jy	35	Ja	60	82	82				350,405
5	Bread and other bakery products.....	21	540	20	19	81	40	380	De	426	Mh	345	423	235	190	1	2	1,706,679
6	Butter.....	3	31		4	8	9	10	Oc	15	Ja	7	11	8	3			557,181
7	Confectionery and ice cream.....	7	222		23	34	22	143					150	74	76			516,838
8	Confectionery.....	3	144		8	23	9	104	Se	136	My	74	116	42	74			245,178
9	Ice cream.....	4	78		15	11	13	39	Jy	55	Ja	26	34	32	2			270,660
10	Foundry and machine-shop products.....	15	874	26	62	37	22	737	De	824	Je	669	826	785	41			3,284,631
11	Furniture, store and office fixtures.....	4	20	5		2		13	Oc	16	Ja	9	13	12	1			19,323
12	Marble and stone work, except slate.....	4	24	8		1		15	An	20	Fe	10	17	17				93,128
13	Mattresses and spring beds, not elsewhere specified.....	4	42	2	5	4	2	29	De	39	Ja	14	38	29	7		2	82,769
14	Mineral and carbonated waters.....	4	15	5	1	1		8	Jy	13	Ja	5	11	10		1		21,032
15	Printing and publishing, book and job.....	19	161	24	10	13	4	110	De	130	Je	97	130	61	87	2		299,462
16	Printing and publishing, newspapers and periodicals.....	6	200	2	33	69	37	59	No	64	Ja	56	60	57	3			325,419
17	Tobacco, chewing and smoking.....	3	15	3	1			11	Fe	12	Ja	9	11	4	7			12,521
18	Tobacco, cigars.....	17	493	17	10	16	11	439	Se	469	Jy	394	450	150	293	4	3	830,413
19	Washing machines and clothes wringers.....	3	278		27	22	20	209	Se	237	Ja	165	219	206	13			977,470
20	All other industries*.....	87	2,180	60	151	213	102	1,654					2,036	1,536	471	12	17	10,764,978

*All other industries embrace—																		
Automobiles.....	1																	
Awnings, tents, and sails.....	1																	
Blacking, stains, and dressings.....	1																	
Bookbinding and blank-book making.....	1																	
Boots and shoes.....	1																	
Boxes, cigar.....	2																	
Boxes, set-up paper boxes.....	1																	
Brooms, from broom corn.....	3																	
Buttons.....	5																	
Carpets, rag.....	1																	
Carriages and wagons, repair work only.....	2																	
Cars and general shop construction and repairs by electric-railroad companies.....	1																	
Chemicals.....	1																	
Clothing, men's.....	2																	
Coffee, roasting and grinding.....	1																	
Copper, tin, and sheet-iron work.....	2																	
Electrical machinery, apparatus, and supplies.....	1																	
Electroplating.....	2																	
Engines, steam, gas, and water.....	1																	
Flavoring extracts.....	1																	
Flour-mill and gristmill products.....	4																	
Food preparations, not elsewhere specified.....	2																	
Fur goods.....	1																	
Gas and electric fixtures.....	1																	
Gas, illuminating and heating.....	1																	
Glass, cutting, staining, and ornamenting.....	2																	
Hand stamps.....	1																	
Ice, manufactured.....	2																	
Iron and steel, tempering, welding, etc.....	2																	

* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		Rent. ²

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
62,949	65,259	1,019,230	650	44,130	434,483	1,808,951	12,628	3,976,795	2,155,216	56	350	18	56	732	158	1	2
107,724	42,671	840,092		4,880	40,523	618,031	29,610	1,487,810	820,169	1,100						3	4
18,732	12,727	35,138			9,547	90,802	5,488	212,984	116,694	210		6	204	528	158	4	5
93,982	29,844	305,854		4,880	30,976	527,229	24,122	1,254,826	703,475	890	350	12	6			6	7
500	3,813	29,280	9,998	636	169	14,235	806	77,699	62,658	16			16			8	9
	1,050	17,772		4,875	880	14,258	380	57,026	42,388	3			10			9	10
101,274	157,153	880,991		16,098	27,244	648,476	191,819	2,626,390	1,786,095	3,335	1,744		1,591	899	7	10	11
362,044	581,315	1,212,083	366	5,480	105,277	4,572,127	56,370	8,814,946	4,186,440	1,418	274		1,491	100	8	11	
30,880	8,509	95,007		4,794	17,989	528,642	9,093	799,888	282,151	252	105		147	84	9		
23,108	6,666	90,217		3,030	2,743	135,487	10,469	249,384	103,478	527	170		357		10		
942,678	1,134,486	0,281,020	50,045	75,068	1,243,081	23,099,385	970,914	41,470,099	16,800,700	22,044	4,584	3,400	6	175	13,879	1,352	11

Malt.....	1	Plumbers' supplies, not elsewhere specified.....	4	Stereotyping and electrotyping.....	1
Mutillage, paste, and other adhesives, not elsewhere specified.....	1	Pottery, earthen and stone ware.....	1	Stoves, gas and oil.....	1
Musical instruments, organs.....	1	Printing and publishing, music.....	1	Sugar, beet.....	1
Musical instruments, pianos.....	1	Printing materials.....	1	Surgical appliances.....	2
Oil, linseed.....	2	Pumps, not including power pumps.....	4	Suspenders, garters, and elastic woven goods.....	2
Oil, vegetable and corn position.....	2	Roofing materials.....	5	Textile machinery and parts.....	2
Paper goods, not elsewhere specified.....	2	Saws.....	1	Upholstering materials, excelsior.....	1
Pens, fountain and stylographic.....	1	Scales and balances.....	1	Vinegar and cider.....	2
Photographs and graphophones.....	4	Shipbuilding, steel.....	1	Windmills.....	1
Photographic apparatus.....	2	Show cases.....	2	Window and door screens.....	2
Photographic materials.....	4	Smelting and refining, zinc.....	1	Wooden goods, not elsewhere specified.....	2
		Stamped ware, not elsewhere specified.....	1	Woolen goods.....	2

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

964,525	928,651	4,308,422	40,830	132,715	680,007	21,026,355	535,440	32,587,229	11,025,434	11,462	4,831	104	95	6,432	1,653	
8,315	805	15,389	.....	904	704	22,553	575	69,228	46,100	20	.....	3	.....	17	.....	2
4,032	750	20,143	.....	3,045	453	28,120	1,647	72,277	42,510	52	.....	.....	.....	52	.....	3
18,035	20,043	89,585	353	10,133	3,073	403,367	5,270	628,313	220,676	94	.....	22	.....	72	2	4
69,412	150,551	347,143	.....	11,825	121,115	1,524,361	30,764	2,709,338	1,154,213	477	225	.....	25	227	500	5
14,000	15,411	11,223	.....	8,180	7,085	633,506	2,555	911,823	275,762	26	.....	.....	.....	26	.....	6
65,045	59,584	106,807	.....	10,362	20,689	500,326	19,605	977,190	457,259	331	80	.....	.....	251	.....	7
27,030	38,792	73,025	.....	5,722	24,016	266,044	10,905	578,556	299,607	181	80	.....	.....	101	.....	8
38,015	20,522	83,782	.....	4,640	2,673	234,282	8,700	400,634	157,652	150	.....	.....	.....	150	.....	9
132,335	62,147	777,283	12,369	9,455	53,869	2,183,462	58,677	3,840,412	1,600,273	1,361	1,080	12	.....	269	800	10
.....	1,355	17,008	68	1,376	137	13,168	197	41,976	28,621	5	.....	.....	.....	5	13	11
.....	1,383	21,130	.....	1,635	1,514	59,024	1,540	128,210	67,646	64	.....	.....	.....	64	.....	12
10,719	5,652	32,642	.....	4,644	1,747	105,993	1,944	202,734	94,797	197	5	.....	.....	192	.....	13
812	210	7,517	.....	1,230	1,827	18,119	463	37,120	18,538	15	.....	.....	.....	15	.....	14
25,532	17,900	109,719	625	10,516	2,280	103,511	4,916	389,415	280,968	100	.....	.....	.....	100	.....	15
74,249	76,720	444,629	14,545	2,600	39,701	166,850	65,012	817,980	586,118	158	.....	.....	.....	158	.....	16
1,020	.....	5,397	.....	605	21,000	20,130	220	69,822	49,472	7	.....	.....	.....	7	.....	17
24,851	32,909	333,732	.....	5,598	126,508	445,904	2,701	1,174,814	726,209	16	.....	.....	.....	16	.....	18
91,609	75,214	224,183	.....	120	27,295	772,343	10,109	1,471,755	689,303	416	24	.....	.....	392	.....	19
422,429	308,913	1,740,987	18,870	50,398	243,510	14,025,628	331,245	19,043,822	4,686,949	8,123	3,417	104	33	4,569	338	20

Jewelry.....	3	Patent medicines and compounds.....	2	Saddlery and harness.....	3
Liquors, malt.....	1	Photographs and graphophones.....	1	Sausage, not made in slaughtering and meat-packing establishments.....	1
Lithographing.....	2	Photographic apparatus.....	1	Signs, other than electric.....	2
Locomotives, not made by railroad companies.....	1	Photographic materials, motion-picture projection films.....	1	Slaughtering and meat packing.....	2
Lumber, planing-mill products, not including planing mills connected with sawmills.....	5	Pickles and sauces.....	2	Surgical appliances.....	2
Malt.....	1	Pumps, not including power pumps.....	1	Textile machinery and parts.....	1
Models and patterns, not including paper patterns.....	2	Pumps, power, other than steam.....	1	Trunks and valises.....	1
Musical instruments and materials, not elsewhere specified.....	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1	Wirework, not elsewhere specified.....	1
				Wooden goods, not elsewhere specified.....	1

* Same number reported for one or more other months.

MANUFACTURES—IOWA.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.						

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																Dollars.
1	DES MOINES—All industries.....	379	10,359	236	705	1,416	917	7,085	No 7,959	Fe 6,239	7,967	5,956	1,846	134	31	43,686,558
2	Artificial stone products.....	5	32	.....	7	4	1	20	No 35	Ja 6	38	38	.....	.....	.....	123,670
3	Automobile bodies and parts.....	5	218	2	12	6	5	193	No 296	Ap 144	268	265	2	1	.....	583,721
4	Automobile repairing.....	6	28	5	4	1	1	17	Je 18	Ja 14	17	17	.....	.....	.....	29,141
5	Bookbinding and blank-book making.....	7	42	7	3	2	1	29	No 35	Mh 26	36	17	18	1	.....	68,165
6	Bread and other bakery products.....	39	538	34	21	87	37	359	De 425	Ja 310	421	220	160	33	8	1,585,547
7	Brick and tile, terra-cotta, and fire-clay products.....	8	331	3	22	7	4	295	Au 401	De 104	382	381	.....	1	.....	1,344,196
8	Butter.....	4	92	1	7	9	11	64	Je 80	De 52	52	43	9	.....	.....	244,516
9	Cars and general shop construction and repairs by steam-railroad companies.....	3	257	.....	9	8	3	237	No 248	Fe 226	247	246	1	.....	.....	208,652
10	Confectionery and ice cream.....	7	238	2	16	42	10	168	Jy 198	Ja 134	177	62	89	26	.....	603,798
11	Copper, tin, and sheet-iron work.....	12	153	7	11	13	11	111	No 145	Mh 75	142	142	.....	.....	.....	330,635
12	Dairymen's and poultrymen's supplies.....	3	77	.....	8	9	9	51	Fe 78	Au 25	67	67	.....	.....	.....	137,776
13	Flavoring extracts.....	3	12	2	1	1	.....	8	Jy 12	De 5	13	11	2	.....	.....	69,068
14	Flour-mill and gristmill products.....	5	68	3	10	8	7	40	Oc 63	Fe 24	60	57	3	.....	.....	707,428
15	Food preparations, not elsewhere specified.....	4	12	2	2	1	.....	7	My 11	Se 4	11	6	5	.....	.....	31,030
16	Foundry and machine-shop products.....	13	232	6	27	27	10	162	.....	.....	184	176	.....	8	.....	863,829
17	Machine shops.....	8	160	2	19	25	10	104	No 124	Mh 80	119	119	.....	.....	.....	545,400
18	All other.....	5	72	4	8	2	.....	58	No 75	My 49	65	57	.....	8	.....	318,429
19	Fur goods.....	4	140	4	8	21	8	99	Ja 124	Se 70	122	71	51	.....	.....	439,529
20	Furniture.....	4	135	1	8	14	2	110	De 119	Ja 100	119	114	5	.....	.....	342,768
21	Gloves and mittens, leather.....	3	195	3	14	42	9	127	Jy 130	Ja 99	136	51	84	1	.....	400,877
22	Jewelry.....	5	28	6	2	4	1	15	Se 17	Ja 14	15	14	1	.....	.....	22,295
23	Lumber, planing-mill products, not including planing mills connected with saw-mills.....	10	285	4	21	61	19	180	Je 200	Ja 158	188	188	.....	.....	.....	1,352,294
24	Marble and stone work, except slate.....	4	93	4	3	19	5	62	Jy 76	Ap 50	67	67	.....	.....	.....	305,297
25	Mineral and carbonated waters.....	7	33	11	1	5	1	15	Au 28	Ja 9	18	14	.....	4	.....	160,036
26	Patent and proprietary medicines.....	18	257	7	23	41	41	145	Ja 156	My 132	141	55	86	.....	.....	790,901
27	Printing and publishing, book and job.....	44	554	35	63	105	39	312	.....	.....	358	246	103	8	1	981,545
28	Job printing.....	35	602	27	66	101	32	288	No 331	Ja 265	328	222	98	8	.....	896,561
29	Book publishing and printing.....	4	25	5	2	3	6	9	Oc 11	Ap 7	11	7	3	.....	.....	26,546
30	Linotype work and typesetting.....	5	27	3	5	1	1	17	No 21	Fe 15	19	17	2	.....	.....	58,418
31	Printing and publishing, newspapers and periodicals.....	33	1,575	16	110	383	427	634	.....	.....	756	557	184	13	2	4,769,810
32	Printing and publishing.....	3	285	.....	27	93	30	135	My 149	Fe 117	135	117	11	7	.....	770,804
33	Printing, publishing, and job printing.....	8	1,174	7	64	250	363	490	De 615	Ja 428	609	436	165	6	2	3,828,352
34	Publishing without printing.....	22	116	8	25	40	34	9	Au 14	Je 6	12	4	8	.....	.....	172,644
35	Stoves and hot-air furnaces.....	5	317	1	19	45	22	230	Oc 285	Ja 158	270	270	.....	.....	.....	1,278,100
36	Tobacco, cigars.....	12	81	12	4	5	.....	60	Oc 65	Ja 49	65	44	20	.....	.....	68,805
37	All other industries *.....	108	4,336	59	265	445	232	3,335	.....	.....	3,597	2,517	1,023	39	18	25,843,140

*All other industries embrace—

Agricultural implements.....	1	Chemicals.....	1	Glue, other than fish.....	1
Artificial flowers.....	1	Cleansing and polishing preparations.....	2	Grease, soap stock.....	1
Artificial limbs.....	1	Clothing, men's.....	2	Hair work.....	1
Awnings, tents, and sails.....	2	Clothing, women's, suits, skirts, and cloaks.....	1	Hand stamps.....	1
Boxes, cigar.....	1	Coffee, roasting and grinding.....	2	Hats and caps, other than felt, straw, and wool.....	1
Boxes, set-up paper boxes.....	1	Coffins, burial cases, and undertakers' goods.....	1	Ice, manufactured.....	2
Brass and bronze products.....	2	Cooperage, hogsheds and barrels.....	2	Iron and steel, welding.....	2
Brooms, from broom corn.....	5	Druggists' preparations.....	2	Knit goods.....	1
Carpets, rag.....	1	Electroplating.....	2	Lithographing.....	2
Cars and general shop construction and repairs by electric-railroad companies.....	1	Furnishing goods, men's, neckwear.....	1	Lubricating greases.....	2
Cash registers and calculating machines.....	1	Gas, illuminating and heating.....	1	Lumber and timber products.....	1
Cement.....	1	Gas machines.....	1	Mattresses and spring beds, not elsewhere specified.....	2
		Glass, cutting, staining, and ornamenting.....	2		

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rented. ²
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 2,304,110	Dollars. 3,132,068	Dollars. 7,558,837	Dollars. 336,336	Dollars. 362,377	Dollars. 1,341,022	Dollars. 31,687,208	Dollars. 1,603,209	Dollars. 59,830,954	Dollars. 26,540,392	17,341	6,590	1,750	40	.....	8,961	5,069	1
16,275	2,545	26,380	.....	2,030	679	50,271	1,795	107,236	55,170	62	.....	.....	5	.....	57	.....	2
24,935	23,400	211,479	.....	5,999	9,695	224,059	6,465	574,246	343,723	294	150	.....	.....	.....	144	.....	3
6,300	1,020	24,090	.....	5,030	353	16,375	2,740	81,450	61,335	26	.....	.....	.....	.....	26	.....	4
6,765	1,319	22,574	.....	4,280	294	22,688	785	87,923	64,450	31	.....	.....	.....	.....	31	.....	5
55,780	180,816	328,623	.....	22,277	66,889	1,685,272	50,526	2,043,716	1,207,018	295	48	.....	3	.....	244	.....	6
48,769	17,676	382,674	.....	17,081	10,715	87,645	229,705	1,002,398	686,043	1,529	995	.....	.....	.....	534	25	7
39,683	19,697	65,506	.....	5,286	12,780	1,862,738	15,923	2,252,730	374,089	146	55	.....	.....	.....	91	.....	8
25,320	12,352	274,625	.....	8,043	8,043	141,864	14,299	474,316	318,163	120	68	.....	.....	.....	52	.....	9
60,405	57,815	176,450	22,767	9,425	35,200	916,792	21,393	1,510,456	572,271	513	150	.....	.....	.....	363	42	10
34,186	25,828	137,346	.....	4,042	33,051	276,488	4,445	662,520	381,587	71	.....	.....	.....	.....	62	.....	11
20,540	16,449	47,935	.....	2,014	2,372	157,502	1,713	330,280	171,065	36	.....	.....	9	.....	36	.....	12
2,080	1,597	7,316	.....	2,700	3,784	36,937	856	62,887	25,094	10	.....	.....	.....	.....	10	.....	13
34,813	12,799	42,608	.....	1,058	3,768	1,311,107	17,441	1,487,513	158,965	615	.....	.....	.....	.....	615	.....	14
.....	2,086	7,513	.....	1,899	57	41,484	1,374	64,565	21,707	10	.....	.....	.....	.....	10	.....	15
71,785	43,181	216,953	.....	7,502	26,088	406,435	10,409	976,286	559,442	350	.....	.....	.....	.....	343	.....	16
44,670	43,161	131,070	.....	5,565	10,618	288,419	6,629	703,305	408,257	274	.....	.....	.....	.....	267	.....	17
27,115	.....	85,883	.....	1,937	15,468	118,016	3,780	272,981	151,185	76	.....	.....	.....	.....	76	.....	18
18,328	23,844	117,944	.....	3,800	7,426	427,558	4,481	839,670	407,331	36	.....	.....	.....	.....	36	.....	19
18,622	16,432	123,881	.....	4,720	7,420	233,210	5,437	476,377	237,730	812	545	150	.....	.....	117	.....	20
46,997	46,702	100,369	.....	2,700	4,516	482,083	2,522	768,104	283,409	55	30	.....	.....	.....	25	.....	21
2,400	750	13,495	.....	2,399	340	4,311	204	44,417	39,902	6	.....	.....	.....	.....	6	.....	22
62,502	127,429	187,345	.....	5,030	45,532	710,877	13,698	1,462,703	738,128	490	220	.....	.....	.....	270	.....	23
13,189	59,357	100,207	.....	3,185	5,026	184,275	5,015	438,232	248,942	176	.....	.....	.....	.....	176	.....	24
1,800	5,573	15,072	.....	2,126	9,089	80,484	1,543	132,709	50,682	29	.....	.....	.....	.....	29	.....	25
67,111	105,546	107,116	.....	7,544	60,656	414,424	6,084	1,470,227	1,058,719	215	185	.....	.....	.....	30	98	26
147,730	116,595	306,215	15,767	36,617	9,980	465,471	12,789	1,438,131	959,871	341	.....	.....	.....	.....	341	.....	27
141,008	109,978	276,847	11,745	34,401	9,357	453,841	11,040	1,352,287	887,406	327	.....	.....	.....	.....	327	.....	28
2,800	5,242	9,854	4,022	1,252	82	7,378	282	42,521	34,860	7	.....	.....	.....	.....	7	.....	29
3,922	1,375	19,514	.....	874	541	4,252	1,466	43,323	37,605	7	.....	.....	.....	.....	7	.....	30
377,456	952,639	751,354	180,239	46,425	177,808	1,830,084	43,942	7,877,532	5,994,506	1,388	315	.....	.....	.....	1,073	150	31
92,372	149,546	166,897	.....	8,296	74,931	443,272	8,291	1,408,170	956,607	325	.....	.....	.....	.....	325	.....	32
241,823	689,247	578,159	4,275	23,157	102,374	1,352,409	35,561	6,001,934	4,613,964	1,059	315	.....	.....	.....	744	150	33
43,261	113,846	6,298	175,964	9,972	503	43,403	90	467,428	423,935	4	.....	.....	.....	.....	4	.....	34
77,633	157,505	319,502	1,475	36,680	16,689	449,416	10,578	1,266,884	806,890	317	.....	.....	.....	.....	317	.....	35
4,800	4,390	53,563	.....	7,137	22,626	100,156	965	214,351	113,230	11	.....	.....	.....	.....	11	.....	36
1,027,906	1,097,742	3,390,522	116,088	113,391	759,893	19,057,488	1,116,142	30,774,100	10,600,470	9,357	3,829	1,600	16	.....	3,912	4,759	37

Millinery and lace goods, not elsewhere specified... 2
Models and patterns, not including paper patterns... 2
Mucilage, paste, and other adhesives, not elsewhere specified... 1
Oil, linseed... 1
Optical goods... 1
Paints... 1
Perfumery and cosmetics... 2
Photo-engraving... 1
Photographic materials... 2
Pickles and sauces... 1
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments... 1

Printing materials... 1
Pumps, power, other than steam... 1
Refrigerators... 1
Roofing materials... 2
Rubber tires, tubes, and rubber goods, not elsewhere specified... 3
Saddlery and harness... 4
Sausage, not made in slaughtering and meat-packing establishments... 1
Shirts... 1
Signs and advertising novelties... 5
Slaughtering and meat packing... 1
Soap... 1

Stationery goods, not elsewhere specified... 2
Stereotyping and electrotyping... 1
Stoves, gas and oil... 1
Structural ironwork, not made in steel works or rolling mills... 3
Suspenders, garters, and elastic woven goods... 1
Tools, machinists'... 1
Trunks and valises... 1
Washing machines and clothes wringers... 1
Windmills... 2
Wirework, not elsewhere specified... 1
Wood, turned and carved... 1

* Same number reported for one or more other months.

MANUFACTURES—IOWA.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																Dollars.
1	SIoux CITY—All industries.....	251	9,224	192	440	1,391	452	6,749	Ja 7,068	My 6,419	7,022	5,897	1,114	7	4	44,920,420
2	Artificial stone products.....	2	14	2	3	1	1	8	Se 21	De 0	6	6				55,092
3	Automobile bodies and parts.....	3	17	3	3	1	1	44	Jy ¹ 51	Mh 30	43	39	3	1		114,144
4	Automobile repairing.....	33	185	40	14	6	10	115	Se 138	De 98	119	114	5			226,987
5	Bread and other bakery products.....	24	490	27	31	47	32	323	No 366	Ap 288	361	227	123		1	1,047,794
6	Brooms, from broom corn.....	3	44	4	2			88	Au ¹ 45	Ja ¹ 32	44	27	17			39,050
7	Cars and general shop construction and repairs by steam-railroad companies.....	3	769		32	12	8	717	De 761	Au 671	739	731	8			1,091,551
8	Coffee, roasting and grinding.....	4	85	1	10	34	1	39	Oc 46	Jy 33	41	12	29			420,438
9	Confectionery and ice cream.....	11	240	13	25	18	4	189	Oc 46	Jy 33	229	65	162	1	1	741,450
10	Confectionery.....	7	215	10	17	15	3	170	No 286	My 124	212	51	160		1	562,940
11	Ice cream.....	4	84	3	8	3	1	19	Jy ¹ 24	Ja 15	17	14	2	1		178,510
12	Copper, tin, and sheet-iron work.....	10	191	7	28	18	8	131	Oc 163	Mh 108	154	150	4			613,554
13	Druggists' preparations.....	3	130	23	12	6	0	89	Jy 106	De 66	84	78	6			782,696
14	Flour-mill and gristmill products.....	5	69	11	8	4	4	46	De 59	Jy 35	60	59	1			1,260,439
15	Food preparations, not elsewhere specified.....	3	16	3	2			11	My 14	Ja 8	10	5	5			23,242
16	Foundry and machine-shop products.....	9	117	5	11	5	4	92			105	103	2			336,014
17	Machine shops.....	6	69	4	5	4	2	44	Jy 48	De 39	44	43	1			137,463
18	All other.....	3	68	1	6	4	2	48	De 60	Au 37	61	60	1			198,551
19	Fur goods.....	5	30	7	3		3	17	Ja ¹ 20	Au 13	15	5	9	1		56,274
20	Lumber, planing-mill products, not including planing mills connected with sawmills.....	5	216	2	20	22	13	159	Au 191	Ja 110	165	161	3	1		873,926
21	Mineral and soda waters.....	4	39	1	11	8	4	15	Au 25	Ja 7	17	17				201,314
22	Optical goods.....	3	15	2	2	1	2	8	Ja ¹ 9	Se ¹ 7	7	6	1			85,583
23	Patent medicines and compounds.....	4	16	2	2	6	2	4	Ap ¹ 6	Jy ¹ 3	4	4				43,752
24	Printing and publishing, book and job.....	17	138	15	15	7	11	90			98	70	27	1		310,623
25	Job printing.....	14	130	13	15	7	9	86	Ja 90	Ap ¹ 84	93	65	27	1		267,827
26	All other.....	3	8	2			2	4	(*) 4		5	5				18,796
27	Printing and publishing, newspapers and periodicals.....	11	449	4	30	105	49	261	No 280	Au 242	278	242	34	2		977,593
28	Saddlery and harness.....	6	40	4	4	6		35	Mh ¹ 39	No 23	36	33	3			355,220
29	Slaughtering and meat packing.....	5	4,280	2	30	905	217	3,117	Ja 3,459	Se 2,646	3,229	2,828	403			28,431,543
30	Tobacco, cigars.....	9	40	10		1		29	De 36	Fe ¹ 26	38	23	14	1		28,673
31	All other industries *.....	95	1,566	33	118	171	72	1,172			1,140	892	247		1	11,798,558

*All other industries embrace—

Automobiles.....	1	Cars, steam-railroad, not including operations of railroad companies.....	1	Electrical machinery, apparatus, and supplies.....	1
Awnings, tents, and sails.....	2	Cleansing preparations.....	1	Electroplating.....	1
Boxes, cigar.....	1	Clothing, men's.....	3	Fertilizers.....	1
Boxes, wooden packing, except cigar boxes.....	1	Clothing, women's, suits, skirts, and cloaks.....	1	Flavoring extracts.....	2
Brick.....	2	Coffins, burial cases, and undertakers' goods.....	1	Gas, illuminating and heating.....	1
Butter.....	2	Condensed milk.....	1	Gloves and mittens, cloth, not including gloves made in textile mills.....	1
Carpets, rag.....	1	Coopers, hogheads and barrels.....	1	Grease, soap stock.....	1
Cars and general shop construction and repairs by electric-railroad companies.....	1	Cordage and twine.....	1	Hand stamps.....	1

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

1	BOONE.....	39	468	41	23	10	25	369	No 381	Ap 352	379	259	113	4	3	1,384,985
2	BURLINGTON.....	97	2,738	62	163	152	87	2,274	De 2,487	Ja 2,024	2,485	1,683	758	20	24	8,697,928
3	CEDAR RAPIDS.....	208	8,637	180	316	1,389	468	6,284	Ja 6,840	Mh 5,659	7,069	5,905	1,145	15	4	39,065,539
4	CLINTON.....	119	4,184	82	190	319	141	3,452	No 3,727	Mh 3,072	3,717	3,146	557	12	2	17,072,603
5	COUNCIL BLUFFS.....	111	2,471	89	163	212	116	1,891	Se 2,065	Ja 1,680	2,095	1,743	350	2		7,222,405
6	DUBUQUE.....	131	7,261	106	254	472	282	6,147	No 6,770	Ja 5,587	6,837	5,598	1,179	20	40	23,913,326
7	FORT DODGE.....	80	1,906	63	93	119	86	1,605	No 1,988	Fe 1,198	1,947	1,546	399	2		7,673,825
8	FORT MADISON.....	34	1,206	35	30	48	64	1,029	De 1,180	Ja 825	1,206	958	246		2	8,232,600
9	IOWA CITY.....	49	517	56	56	53	30	322	Se 360	Ja 251	439	298	141			1,905,336
10	KEOKUK.....	71	2,399	53	134	490	124	1,598	No 1,793	Ja 1,478	1,723	1,369	327	18	9	8,058,798
11	MARSHALLTOWN.....	62	1,733	53	138	129	75	1,338	Se 1,559	Fe 1,170	1,590	1,308	188	4		6,373,708
12	MASON CITY.....	59	2,731	42	83	163	66	2,367	Je 2,704	Fe 1,692	2,583	2,439	123	19	2	15,668,194
13	MUSCATINE.....	146	3,055	154	118	166	95	2,522	De 2,834	Ja 2,180	2,892	2,211	599	28	54	8,812,354
14	OTTUMWA.....	94	3,074	75	105	236	57	2,601	De 2,867	Ap 2,376	2,872	2,333	523	10	6	20,885,513
15	WATERLOO.....	161	5,839	116	335	387	381	4,620	Mh 5,317	Au 3,135	5,418	4,782	571	64	1	21,612,376

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—IOWA.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric-horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		Rent. ²

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
1,262,628	2,480,419	8,946,731	233,920	178,590	1,180,262	123,946,667	1,314,767	146,393,134	21,131,710	14,572	7,873	765	35	.....	5,890	2,550	1
4,870	1,200	9,024	.....	955	119	14,827	488	30,638	15,378	61	.....	.....	.....	.....	61	.....	2
3,800	1,072	48,056	.....	4,793	1,140	65,978	2,059	164,842	96,806	52	.....	.....	.....	.....	52	.....	3
27,770	17,733	172,806	3,729	23,534	1,634	208,796	9,036	564,655	351,826	176	.....	.....	.....	.....	176	.....	4
61,651	149,354	292,065	.....	16,555	39,087	1,228,517	48,725	2,115,042	837,800	528	160	.....	.....	.....	368	.....	5
4,240	.....	33,218	.....	2,060	464	80,147	584	135,615	54,884	18	.....	.....	.....	.....	18	.....	6
83,145	26,321	1,090,108	.....	.....	4,267	297,225	27,887	1,530,887	1,205,775	1,394	545	375	30	.....	444	.....	7
13,515	10,153	33,954	.....	6,794	3,018	1,282,212	2,505	1,410,641	125,834	91	.....	.....	.....	.....	91	.....	8
52,309	10,758	135,107	.....	8,684	89,498	696,267	17,581	1,100,391	399,553	457	110	50	.....	.....	297	75	9
32,569	6,280	100,755	.....	4,860	88,302	516,196	9,552	820,795	295,047	260	110	.....	.....	.....	156	75	10
19,800	4,478	25,352	.....	3,804	1,196	180,061	9,029	279,596	91,606	181	.....	50	.....	.....	141	.....	11
44,850	32,089	135,341	65	3,543	9,800	269,142	6,529	837,451	561,780	90	40	.....	.....	.....	50	.....	12
37,005	24,270	128,282	.....	5,310	56,925	920,212	6,972	1,817,016	390,832	69	.....	.....	.....	.....	69	.....	13
35,452	18,070	63,714	750	213	11,023	1,869,557	24,781	2,050,918	156,580	1,002	600	.....	.....	.....	402	.....	14
1,125	.....	10,353	.....	604	22	57,471	1,578	77,132	18,083	14	.....	.....	.....	.....	14	.....	15
23,655	9,709	124,114	.....	4,167	5,126	100,133	6,934	328,382	221,815	182	.....	.....	.....	.....	182	.....	16
10,255	5,839	62,047	.....	2,880	2,891	24,508	3,514	148,284	120,262	50	.....	.....	.....	.....	50	.....	17
13,400	3,960	62,067	.....	1,287	2,235	75,625	3,420	180,598	101,555	132	.....	.....	.....	.....	132	.....	18
11,350	4,660	14,430	400	5,047	1,492	77,455	977	192,710	114,278	16	10	.....	.....	.....	6	.....	19
60,776	36,463	214,202	74	241	24,128	373,213	15,154	805,121	416,754	632	125	.....	5	.....	502	214	20
28,274	11,033	24,121	.....	1,550	15,702	129,126	1,510	244,507	113,961	42	.....	.....	.....	.....	42	.....	21
6,015	3,000	9,435	.....	2,394	697	27,433	350	63,843	38,060	9	.....	.....	.....	.....	9	.....	22
963	6,455	6,129	.....	1,921	2,272	20,808	207	40,613	19,698	59	.....	.....	.....	.....	59	.....	23
33,894	18,089	97,832	10,255	10,901	2,123	129,102	5,551	376,304	241,741	142	.....	.....	.....	.....	142	.....	24
33,894	15,929	89,831	9,355	10,347	2,004	128,024	5,291	353,074	219,759	140	.....	.....	.....	.....	140	.....	25
.....	2,160	8,001	.....	554	119	1,078	260	23,320	21,982	2	.....	.....	.....	.....	2	.....	26
82,892	154,380	341,642	5,412	24,247	17,623	712,709	9,838	1,705,168	982,661	468	125	.....	.....	.....	343	100	27
4,950	2,800	37,442	.....	5,043	4,437	257,509	1,213	364,393	105,671	27	.....	.....	.....	.....	27	.....	28
218,881	1,592,790	4,477,240	211,784	3,940	449,241	105,324,344	561,974	116,088,503	10,202,185	4,877	3,165	340	.....	.....	1,372	1,590	29
.....	707	23,460	.....	2,327	7,808	61,632	604	113,933	51,637	4	.....	.....	.....	.....	4	.....	30
370,996	339,623	1,413,766	1,451	43,487	411,086	9,747,802	582,575	14,733,696	4,423,319	4,162	2,993	.....	.....	.....	1,169	510	31

Hats and caps, other than felt, straw, and wool....	2	Oil, linseed	1	Shirts.....	1
Ice, manufactured.....	2	Paints.....	2	Signs, other than electric.....	1
Instruments, optical.....	1	Pens, fountain and stylographic.....	2	Soap.....	1
Jewelry.....	1	Perfumery and cosmetics.....	1	Structural ironwork, not made in steel works or rolling mills.....	3
Marble and stone work, except slate.....	2	Photo-engraving.....	1	Tools, machinists'.....	1
Mattresses and spring beds, not elsewhere specified.....	2	Pickles and sauces.....	1	Trunks and valises.....	1
Military, trimmed hats and hat frames.....	1	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	2	Vinegar and cider.....	1
Models and patterns, not including paper patterns.....	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	2		
Musical instruments and materials, not elsewhere specified.....	1				

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

79,792	36,264	375,368	1,064	13,552	61,916	668,413	30,524	1,549,837	850,900	437	140	15	4	.....	278	.....	1
397,492	359,628	2,169,579	2,890	28,390	629,107	6,559,673	222,550	12,090,058	5,307,835	4,875	3,193	46	11	.....	1,625	243	2
1,164,338	2,460,842	6,474,326	144,002	112,553	2,291,371	71,232,932	832,997	92,115,386	20,062,457	19,814	2,530	2,010	17	.....	15,257	2,245	3
615,808	628,063	4,089,984	5,247	34,513	1,490,891	18,710,899	634,764	80,321,143	10,976,010	9,884	5,428	3,372	31	.....	1,055	7,202	4
413,577	568,066	2,473,553	8,373	36,806	189,057	6,262,616	279,690	10,610,664	5,068,363	3,978	1,696	63	58	.....	2,161	141	5
772,675	917,589	6,024,031	59,698	167,218	1,023,953	19,521,899	429,089	34,277,085	14,325,197	10,861	3,867	956	20	.....	6,018	3,582	6
252,509	384,185	1,395,115	500	33,316	137,489	6,910,258	257,421	10,884,089	3,686,360	4,178	1,713	737	280	.....	1,448	947	7
144,876	361,747	987,387	6,770	183,133	2,551,167	111,758	4,836,291	2,193,368	3,527	3,527	178	.....	65	.....	3,284	.....	8
88,867	93,201	288,014	5,925	14,490	15,526	962,261	63,519	1,767,313	841,603	880	260	1	.....	.....	619	118	9
356,640	813,331	1,549,192	2,589	13,634	512,325	11,534,574	381,933	17,554,816	5,638,309	7,527	2,197	.....	16	.....	5,314	.....	10
414,205	274,542	1,506,188	6,835	27,792	124,244	4,792,975	183,679	8,642,468	3,665,814	2,578	928	.....	.....	.....	1,650	499	11
279,580	397,152	2,859,093	18,053	24,649	319,028	21,245,848	1,808,601	20,512,534	6,468,085	18,078	13,472	2,000	.....	.....	2,606	12,458	12
361,600	275,038	2,101,945	128,521	38,143	146,652	5,537,924	159,737	10,753,750	5,056,089	4,162	3,039	.....	53	.....	1,071	286	13
350,686	372,000	2,677,232	12,021	236,555	787,395	36,108,262	392,849	45,029,524	8,528,413	5,506	3,045	.....	4	.....	1,840	1,725	14
810,519	937,482	5,791,251	116,751	92,526	269,297	22,747,406	646,208	35,481,225	12,088,011	6,910	3,355	160	392	.....	6,003	479	15

* Same number reported for one or more other months.
 * Same number reported throughout the year.

MINES AND QUARRIES—IOWA.

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.

Iowa, which ranks twenty-fourth in size among the states (land area, 55,586 square miles) and sixteenth in population (2,404,021 in 1920), ranked twenty-fifth in value of mineral products for 1919. The state ranked twentieth in the total number of persons engaged in the mining industries and in the average number of wage earners employed.

The total value of mineral products for the state in 1919 was \$18,473,558, an increase of 33.1 per cent over the value reported at the census of 1909. This increase and the increases in the principal expenses of operation, shown in Table 1, are due to price increases and are not significant of increase in mining in Iowa during the decade. Decreases in the number of enterprises, individual mines and quarries operated, and wage earners employed reflect adverse conditions in 1919. The addition of Federal income taxes since 1909 will account for the large increase in taxes.

The industries reported for 1919, ranked according to value of products, were coal mining, gypsum mining, limestone quarrying, and clay mining. The industries for which the statistics can be shown without disclosure of individual operations are ranked by value of products in Table 2.

The principal mining industry, coal, reported products valued at \$16,903,358, which includes, in addition to the value of the coal produced, a small amount received by the operators for power sold and miscellaneous services furnished other enterprises. Iowa ranked eleventh among the states in the value of coal produced in 1919. The coal-producing area of the state is part of the Western Interior Coal Field and extends over 20 central and southern counties.

Gypsum production ranked second in importance in the state and Iowa ranked second among the gypsum-producing states with an output valued at \$1,092,920, reported almost entirely from Webster County.

The superior position of corporations among the organizations operating mining enterprises is brought

out in Table 3. More than half of the enterprises in the mining industries were conducted by corporations, which employed 92 per cent of the total number of wage earners and reported 92.3 per cent of the total value of products.

The relatively large number of small enterprises, as measured by the number of wage earners employed, is shown in Table 4. Eighty and eight-tenths per cent of the total number of enterprises were in classes having no wage earners or fewer than 101, while such enterprises employed only 27.6 per cent of the total number of wage earners. On the other hand, enterprises employing more than 100 wage earners constituted 19.2 per cent of the total number of enterprises but employed 72.4 per cent of the total number of wage earners. These larger enterprises were in the coal and gypsum industries.

Table 5 shows that, for 82 per cent of all mining enterprises employing wage earners and 97 per cent of the total number of wage earners engaged in the mining industries, the prevailing hours of labor were 44 to 53 per week. In the gypsum industry all enterprises and in the coal industry nearly all enterprises reported these hours; in the limestone industry 19 out of 24 enterprises, employing 85.4 per cent of the wage earners in the industry, reported 54 to 62 hours of labor per week.

The statistics for wage earners given in Table 6, showing changes in the number employed month by month, reflect conditions prevailing in the industries during the census year. The extremely low minimum in the coal industry in November, which affects the figures for all industries combined, was due to the great strike and was very abnormal as to number of wage earners and as to occurrence of minimum employment in this industry late instead of early in the year.

Table 7 presents for 1919 statistics in detail for the state as a whole and for each industry that can be shown without the disclosure of individual operations.

TABLE 1.—COMPARATIVE SUMMARY, PRODUCING ENTERPRISES: 1919 AND 1909.

	MINING INDUSTRIES.		Per cent of increase. ¹		MINING INDUSTRIES.		Per cent of increase. ¹
	1919	1909			1919	1909	
Number of enterprises.....	198	373	-46.9	Principal expenses:			
Number of mines and quarries.....	230	431	-46.6	Salaries.....	\$1,343,697	\$540,975	148.4
Persons engaged.....	12,034	17,374	-30.7	Wages.....	12,466,426	10,870,446	14.7
Proprietors and firm members, total.....	200	423	-52.7	Contract work.....	33,464	40,836	-18.1
Number performing manual labor in or about the mines and quarries.....	143	285	-49.8	Supplies and materials.....	2,072,308	1,307,819	58.4
Salaried employees.....	560	471	18.9	Fuel and power.....	748,844	221,740	237.7
Wage earners (average number).....	11,274	16,430	-31.6	Royalties and rents.....	336,530	349,440	-4.0
Power used (horsepower).....	32,171	23,453	37.2	Taxes.....	186,811	43,574	328.7
Capital.....	\$16,699,094	\$8,481,483	96.9	Value of products.....	18,473,558	13,877,781	33.1

¹ A minus sign (—) denotes decrease.

MINES AND QUARRIES—IOWA.

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.....	198	11,274	100.0	\$18,473,558	100.0	Gypsum.....	5	444	3.9	\$1,092,920	5.9
Coal, bituminous.....	167	10,584	93.9	16,903,358	91.5	Limestone ¹	26	246	2.2	477,280	2.6

¹ Includes, to avoid disclosure, 1 small clay enterprise.

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.....	198	11,274	\$18,473,558	\$93,301	100.0	100.0	100.0
Corporation.....	102	10,370	17,052,298	167,179	51.5	92.0	92.3
Individual.....	36	431	885,293	18,723	17.7	3.8	3.3
Firm ¹	61	473	835,967	13,704	30.8	4.2	4.5
COAL, BITUMINOUS.....	167	10,584	16,903,358	101,218	100.0	100.0	100.0
Corporation.....	84	9,746	15,610,232	185,836	50.3	92.1	92.3
Individual.....	27	394	504,025	18,688	16.2	3.7	3.0
Firm ¹	56	444	789,101	14,091	33.5	4.2	4.7
GYPSUM.....	5	444	1,092,920	218,584	100.0	100.0	100.0
Corporation.....	5	444	1,092,920	218,584	100.0	100.0	100.0
LIMESTONE ¹	26	246	477,280	18,357	100.0	100.0	100.0
Corporation.....	13	180	349,146	26,857	50.0	73.2	73.2
Individual.....	8	37	81,268	10,158	30.8	15.0	17.0
Firm.....	5	29	46,866	9,373	19.2	11.8	9.8

¹ Includes 1 other form of organization.¹ Includes 1 small clay enterprise.

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.....	198	100.0	11,274	100.0	GYPSUM.....	5	100.0	444	100.0
No wage earners.....	4	2.0	.....	.....	6 to 20.....	1	20.0	9	2.0
1 to 5.....	61	30.8	177	1.6	21 to 50.....	2	40.0	78	17.6
6 to 20.....	50	25.3	576	5.1	101 to 500.....	2	40.0	357	80.4
21 to 50.....	21	10.6	648	5.7					
51 to 100.....	24	12.1	1,716	15.2	LIMESTONE ¹	26	100.0	246	100.0
101 to 500.....	36	18.2	6,659	59.1	No wage earners.....	2	7.7	.....	.....
501 to 1,000.....	2	1.0	1,498	13.3	1 to 5.....	9	34.6	20	8.1
					6 to 20.....	13	50.0	137	56.7
COAL, BITUMINOUS.....	167	100.0	10,584	100.0	21 to 50.....	1	3.8	31	12.6
No wage earners.....	2	1.2	.....	.....	51 to 100.....	1	3.8	58	23.6
1 to 5.....	52	31.1	157	1.5					
6 to 20.....	36	21.6	430	4.1					
21 to 50.....	18	10.8	639	5.1					
51 to 100.....	23	13.8	1,658	15.7					
101 to 500.....	34	20.4	6,302	59.5					
501 to 1,000.....	2	1.2	1,498	14.2					

¹ Includes 1 small clay enterprise employing no wage earners.

TABLE 5.—NUMBER OF PRODUCING ENTERPRISES AND AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY.	TOTAL.		NUMBER WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
	Enter-prises.	Wage earners.	35 and under.		36 to 43.		44 to 53.		54 to 62.	
			Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.
All industries.....	194	11,274	2	11	14	117	159	10,936	19	210
Coal, bituminous.....	165	10,584	2	11	14	117	149	10,456		
Gypsum.....	5	444					5	444		
Limestone.....	24	246					5	36	19	210

¹ Exclusive of 4 enterprises employing no wage earners in industries as follows: Clay, 1; coal, bituminous, 2; limestone, 1.

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.....	11,274	13,221	12,926	12,592	11,104	10,868	10,622	11,012	11,811	12,524	13,052	3,404	12,062	25.7
Coal, bituminous.....	10,584	12,879	12,554	12,154	10,634	10,192	9,886	10,172	10,930	11,570	12,100	2,527	11,410	19.6
Gypsum.....	444	<i>235</i>	240	272	330	389	453	540	545	611	619	613	483	37.6
Limestone.....	246	<i>109</i>	132	166	230	287	283	300	336	343	333	264	169	31.8

MINES AND QUARRIES—IOWA.

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

	PRODUCING ENTERPRISES.			
	Total.	Coal, bituminous.	Gypsum.	Lime- stone. ¹
Number of enterprises.....	198	167	5	26
Number of mines and quarries.....	230	199	5	26
Capital.....	\$16,699,094	\$13,628,805	\$2,124,006	\$946,283
Principal expenses:				
Salaries and wages—				
Officers.....	\$536,196	\$520,082	\$6,849	\$9,265
Superintendents and managers.....	\$503,601	\$458,074	\$23,838	\$18,689
Technical employees.....	\$24,805	\$23,305	.....	\$1,500
Clerks, etc.....	\$279,095	\$201,405	\$51,780	\$25,910
Wage earners.....	\$12,466,426	\$11,687,918	\$495,747	\$285,761
Supplies and materials.....	\$2,072,308	\$1,755,025	\$206,180	\$103,103
Fuel.....	\$606,285	\$449,697	\$119,579	\$37,009
Power.....	\$142,559	\$120,666	\$13,021	\$8,872
Royalties and rents.....	\$332,530	\$299,194	\$21,021	\$15,315
Taxes.....	\$186,811	\$176,543	\$7,546	\$2,722
Contract work.....	\$38,464	\$33,464	.....	.....
Expenditures for development (included in the above items).....	\$587,368	\$560,282	\$8,000	\$19,086
Value of products.....	\$18,473,558	\$16,903,358	\$1,092,920	\$477,280
Persons engaged in industry.....	12,034	11,239	487	308
Proprietors and firm members (total).....	200	178	.....	22
Number performing manual labor.....	143	136	.....	7
Salaried officers.....	128	122	1	5
Superintendents and managers.....	195	173	9	13
Technical employees.....	13	12	.....	1
Clerks, etc.....	224	170	33	21
Wage earners (average number).....	11,274	10,584	444	246
Wage earners by occupation (Dec. 15):				
Above ground (total).....	21,844	21,352	171	321
Below ground (total).....	11,300	10,945	355	.....
Foremen, shift bosses, etc.—				
Above ground.....	100	81	2	17
Below ground.....	181	160	12	.....
Enginemen, hoistmen, electricians, mechanics, etc.—				
Above ground.....	442	381	17	44
Below ground.....	98	97	1	.....
Miners, quarrymen, and drillmen, including their helpers—				
Above ground.....	179	81	.....	148
Below ground.....	7,284	7,175	100	.....
Timbermen, trackmen, and men engaged in hauling, tram- ming, etc.—				
Above ground.....	255	240	5	10
Below ground.....	2,885	2,799	80	.....
Muckers, loaders, laborers, and others not classified—				
Above ground.....	742	619	21	102
Below ground.....	852	705	147	.....
Wage earners employed in mills and beneficiating plants—				
Above ground.....	126	.....	126	.....
Mineral land operated..... acres..	68,724	66,359	1,519	846
Land controlled, total..... acres..	73,672	71,117	1,519	1,036
Mineral land owned.....	33,536	31,662	1,160	714
Mineral land leased.....	36,433	35,942	359	132
Timber and other lands owned and leased.....	3,703	3,513	.....	190
Power used: Aggregate horsepower.....	32,171	26,123	2,057	3,991
Prime movers (horsepower, total).....	19,626	15,885	1,256	2,485
Steam engines—				
Number.....	250	214	4	28
Horsepower.....	17,078	13,389	1,256	2,433
Steam turbines—				
Number.....	4	4	.....	.....
Horsepower.....	1,090	1,690	.....	.....
Internal-combustion engines—				
Number.....	94	85	.....	9
Horsepower.....	858	806	.....	52
Purchased power (horsepower, total).....	12,545	10,238	801	1,506
Electric motors operated by purchased current—				
Number.....	358	288	40	30
Horsepower.....	12,540	10,233	801	1,506
Other equipment operated by purchased power—				
Horsepower.....	5	5	.....	.....
Electric motors run by current generated by enterprise using:				
Number.....	88	67	21	.....
Horsepower.....	4,670	4,119	551	.....
Fuel used:				
Coal, bituminous..... tons, 2,000 pounds..	210,939	184,205	18,360	8,374
Coke..... tons, 2,000 pounds..	465	.....	465	.....
Wood..... cords.....	115	.....	.....	115
Fuel oils..... barrels.....	42	42	.....	.....
Gasoline and other volatile oils..... barrels..	1,675	1,180	.....	495

¹ Includes, to avoid disclosure, 1 small clay enterprise.² Includes 1 female.