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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.	Illiterate.		
													Total.	Number.	Per cent.
1	United States.....	105,710,620	53,900,431	51,810,189	58,421,957	22,686,204	13,712,754	13.0	10,463,131	9.9	28,564,716	19,451,851	82,739,315	4,931,905	6.0
2	GEOGRAPHIC DIVS.:														
3	New England.....	7,400,909	3,672,591	3,728,318	2,803,149	2,642,276	1,870,654	25.3	79,051	1.1	1,768,280	1,223,623	5,945,989	289,700	4.9
4	Middle Atlantic.....	22,261,144	11,206,445	11,054,699	9,631,012	7,008,253	4,912,575	22.1	600,183	2.7	5,527,757	3,745,560	17,666,354	865,382	4.9
5	E. North Central.....	21,475,543	11,035,041	10,440,502	11,790,370	5,925,213	3,223,279	15.0	514,554	2.4	5,350,637	3,728,706	17,130,786	495,470	2.9
6	W. North Central.....	12,544,249	6,459,067	6,085,182	7,475,548	3,377,878	1,371,961	10.9	278,521	2.2	3,393,143	2,420,929	9,889,740	193,221	2.0
7	South Atlantic.....	13,990,272	7,035,843	6,954,429	8,779,416	553,604	315,920	2.3	4,325,120	30.9	4,323,620	2,818,406	10,513,447	1,212,942	11.5
8	E. South Central.....	8,993,307	4,471,090	4,421,617	6,092,782	202,826	71,939	0.8	2,523,532	28.4	2,818,595	1,858,659	6,677,229	845,459	12.7
9	W. South Central.....	10,242,224	5,265,829	4,976,395	6,959,785	696,609	459,333	4.5	2,063,579	20.1	3,259,000	2,097,696	7,739,636	773,837	10.0
10	Mountain.....	3,336,101	1,789,299	1,546,802	2,002,508	757,166	453,225	13.6	30,801	0.9	896,406	656,638	2,564,463	132,650	5.2
	Pacific.....	5,566,871	2,964,626	2,602,245	2,887,387	1,432,379	1,033,868	18.6	47,790	0.9	1,227,268	900,734	4,611,771	123,435	2.7
11	NEW ENGLAND:														
12	Maine.....	768,014	383,752	379,262	495,780	162,566	107,349	14.0	1,310	0.2	188,822	134,299	621,233	20,240	3.3
13	New Hampshire.....	443,083	222,112	220,971	225,512	125,686	91,233	20.6	621	0.1	104,581	73,063	361,930	15,788	4.4
14	Vermont.....	352,428	178,854	173,574	228,325	78,966	44,526	12.6	572	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	1,077,634	28.0	45,466	1.2	907,212	633,124	3,106,769	140,607	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	95,499	483,788	31,312	6.5
	Connecticut.....	1,380,631	695,335	685,296	449,206	533,013	376,513	27.3	21,046	1.5	330,599	225,094	1,087,797	67,265	6.2
17	MIDDLE ATLANTIC:														
18	New York.....	10,385,227	5,187,350	5,197,877	3,668,266	3,717,649	2,786,112	26.8	198,483	1.9	2,461,306	1,656,905	8,402,786	425,022	5.1
19	New Jersey.....	3,155,900	1,590,075	1,565,825	1,212,675	1,085,799	738,613	23.4	117,132	3.7	786,040	525,970	2,494,246	127,661	5.1
20	Pennsylvania.....	8,720,017	4,429,020	4,290,997	4,750,071	2,294,805	1,387,850	15.9	284,568	3.3	2,280,411	1,563,676	6,769,322	312,690	4.6
21	E. NORTH CENTRAL:														
22	Ohio.....	5,759,394	2,955,980	2,803,414	3,669,122	1,224,074	678,697	11.8	180,187	3.2	1,388,799	989,417	4,624,456	131,006	2.8
23	Indiana.....	2,930,390	1,489,074	1,441,316	2,329,544	368,659	150,868	5.1	80,810	2.8	745,281	515,237	2,850,214	62,034	2.2
24	Illinois.....	6,485,280	3,304,833	3,180,447	4,066,563	2,025,819	1,206,951	18.6	182,274	2.8	1,619,847	1,108,216	5,184,943	173,987	3.4
25	Michigan.....	3,668,412	1,928,436	1,739,976	1,670,447	1,204,545	726,635	19.8	60,082	1.6	893,744	620,165	2,895,606	88,046	3.0
26	Wisconsin.....	2,632,067	1,356,718	1,275,349	1,054,694	1,102,116	460,128	17.5	5,201	0.2	704,966	489,671	2,069,567	50,397	2.4
27	W. NORTH CENTRAL:														
28	Minnesota.....	2,387,125	1,245,537	1,141,588	827,627	1,055,145	486,164	20.4	8,809	0.4	643,287	451,096	1,877,132	34,487	1.8
29	Iowa.....	2,404,021	1,229,392	1,174,629	1,528,553	629,981	225,647	9.4	19,005	0.8	627,248	454,078	1,913,155	20,680	1.1
30	Missouri.....	3,404,055	1,723,319	1,680,736	2,536,936	502,082	186,026	5.5	178,241	5.2	901,694	624,395	2,737,771	83,403	3.0
31	North Dakota.....	646,872	341,673	305,199	207,966	300,485	131,503	20.3	467	0.1	198,020	146,289	470,210	9,937	2.1
32	South Dakota.....	636,547	337,120	299,427	308,598	228,158	82,391	12.9	832	0.1	181,271	131,043	482,195	8,100	1.7
33	Nebraska.....	1,296,372	672,805	623,567	757,064	372,503	149,652	11.5	13,242	1.0	358,143	256,961	1,012,552	13,784	1.4
34	Kansas.....	1,769,257	909,221	860,036	1,308,804	289,524	110,678	6.2	57,925	3.3	483,480	356,167	1,396,765	22,821	1.6
35	SOUTH ATLANTIC:														
36	Delaware.....	223,003	113,755	109,248	139,876	32,929	19,810	8.9	30,335	13.6	54,739	37,759	178,930	10,508	5.9
37	Maryland.....	1,449,661	729,455	720,206	893,088	209,472	102,177	7.0	244,479	16.9	381,106	246,056	1,158,953	64,434	5.6
38	Dist. Columbia.....	437,571	203,543	234,028	239,488	58,824	28,548	6.5	109,966	25.1	99,931	58,005	377,295	10,509	2.8
39	Virginia.....	2,309,187	1,168,492	1,140,695	1,534,494	52,630	30,785	1.3	690,017	29.9	709,980	460,037	1,748,868	165,159	11.2
40	West Virginia.....	1,463,701	763,100	700,601	1,232,587	82,472	61,906	4.2	86,345	5.9	437,703	297,044	1,083,395	69,413	6.4
41	North Carolina.....	2,559,123	1,279,062	1,280,061	1,765,203	11,477	7,999	0.4	763,407	29.8	839,574	576,239	1,844,673	241,603	13.1
42	South Carolina.....	1,683,724	838,293	845,431	799,418	12,719	6,401	0.6	864,719	51.4	576,564	393,077	1,219,316	220,667	18.1
43	Georgia.....	2,895,832	1,444,823	1,451,009	1,642,697	30,231	16,186	0.6	1,206,365	41.7	953,304	570,386	2,150,236	328,838	15.3
44	Florida.....	968,470	495,320	473,150	532,285	62,850	43,008	4.4	320,487	34.0	280,719	179,803	751,787	71,811	9.6
45	E. SOUTH CENTRAL:														
46	Kentucky.....	2,416,630	1,227,494	1,189,136	2,030,134	110,646	30,780	1.3	235,938	9.8	717,667	480,526	1,837,434	155,014	8.4
47	Tennessee.....	2,337,885	1,173,967	1,163,918	1,832,757	37,758	15,478	0.7	451,758	19.3	724,688	488,543	1,770,762	182,629	10.3
48	Alabama.....	2,348,174	1,173,105	1,175,069	1,394,129	35,241	17,662	0.8	900,652	38.4	774,048	499,888	1,730,421	278,082	16.1
49	Mississippi.....	1,790,618	897,124	893,494	826,762	19,181	8,019	0.4	935,184	52.2	602,192	389,702	1,338,612	229,734	17.2
50	W. SOUTH CENTRAL:														
51	Arkansas.....	1,752,204	895,228	856,976	1,226,692	39,090	13,975	0.8	472,220	27.0	569,870	375,115	1,302,905	121,837	9.4
52	Louisiana.....	1,798,509	903,335	895,174	941,724	110,016	44,871	2.5	700,257	38.9	574,202	327,546	1,366,066	299,092	21.9
53	Oklahoma.....	2,028,283	1,058,044	970,239	1,079,107	102,119	39,968	2.0	149,408	7.4	647,939	444,247	1,513,951	56,804	3.8
54	Texas.....	4,063,228	2,409,222	2,254,006	3,112,262	445,384	360,519	7.7	741,694	15.9	1,460,989	950,688	3,556,614	295,844	8.3
55	MOUNTAIN:														
56	Montana.....	548,889	299,941	248,948	275,803	164,837	93,620	17.1	1,658	0.3	135,886	102,621	421,443	9,544	2.3
57	Idaho.....	431,866	233,019	197,947	294,252	92,453	38,993	9.0	920	0.2	122,278	95,027	326,051	4,924	1.5
58	Wyoming.....	194,402	110,359	84,043	122,884	42,007	25,255	13.0	1,876	0.7	47,474	34,387	160,993	3,149	2.1
59	Colorado.....	939,629	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
60	New Mexico.....	360,350	190,456	169,894	273,317	32,279	29,077	8.1	5,738	1.6	109,738	75,119	267,595	41,637	15.6
61	Arizona.....	334,162	183,602	150,560	151,145	62,205	78,099	23.4	8,005	2.4	89,484	54,387	255,461	39,131	15.3
62	Utah.....	449,396	232,051	217,345	245,781	139,605	50,455	12.6	1,446	0.3	136,039	107,908	331,530	6,264	1.9
63	Nevada.....	77,407	46,240	31,167	36,285	19,612	14,802	19.1	346	0.4	15,601	11,444	63,905	3,802	5.9
64	PACIFIC:														
65	Washington.....	1,356,621	734,701	621,920	711,706	358,016	250,055	18.4	6,883	0.5	321,410	238,012	1,1		

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, 13,275; Panama Canal Zone, 22,858; Philippine Islands, 10,314,310 (Dec. 31, 1918); Virgin Islands, 26,051 (Nov. 1

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

[Table continued on following page.]

POPULATION, JAN. 1, 1920.										AGRICULTURE.									
POPULATION 21 YEARS OF AGE AND OVER.										LAND IN FARMS, 1920									
All classes.			Native white.	Foreign-born white.			Negro.		Farm population, 1920	Number of farms, 1920	Per cent operated by tenants.	Total (acres).	Average per farm.	Improved (acres).	Per cent improved.				
Total.	Illiterate.			Total.	Naturalized.	Per cent illiterate.	Total.	Per cent illiterate.											
	Number.	Per cent.																	
60,886,520	4,333,111	7.1	42,614,741	12,498,720	6,208,697	13.7	5,522,475	27.4	31,614,269	6,448,343	38.1	955,883,715	148.2	503,073,007	52.6	1			
4,501,477	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	20,532,107	65.5	3			
13,025,595	480,238	3.7	9,676,916	2,978,575	1,576,067	11.4	350,341	8.7	4,913,633	1,084,744	28.1	117,735,179	108.5	57,894,835	74.7	4			
7,278,548	180,616	2.5	5,777,875	1,291,704	874,132	6.5	187,865	12.5	5,171,596	1,095,951	34.2	256,973,229	234.3	171,394,439	66.7	5			
7,212,523	1,006,764	14.0	4,805,560	287,215	131,423	13.5	2,111,952	31.5	6,416,698	1,158,976	46.8	97,775,243	84.4	48,509,880	49.6	6			
4,523,944	700,098	15.5	3,171,417	67,242	38,335	9.3	1,284,069	34.1	5,182,937	1,051,600	49.7	78,897,403	75.0	44,380,132	56.3	7			
5,243,779	611,363	11.7	3,796,823	367,220	114,268	29.1	1,062,244	30.5	5,228,199	996,088	52.9	173,449,127	174.1	64,189,006	37.0	8			
1,888,921	113,384	6.0	1,421,859	394,008	210,884	12.7	23,881	5.8	1,168,367	244,109	15.4	117,337,226	480.7	30,105,898	25.7	9			
3,670,077	116,240	3.2	2,584,988	939,623	482,872	8.8	34,367	5.4	1,014,173	234,164	20.1	50,152,705	239.8	23,921,533	42.6	10			
475,191	18,572	3.9	379,356	94,329	40,479	12.0	876	6.8	197,601	48,227	4.2	5,425,968	112.5	1,977,329	36.4	11			
281,026	15,257	5.4	198,481	82,049	36,621	16.4	388	7.7	76,021	20,523	6.7	2,603,806	126.9	702,902	27.0	12			
217,042	8,162	3.8	178,442	38,232	19,825	12.5	342	8.2	125,263	29,075	11.6	4,235,811	145.7	1,691,595	39.9	13			
2,411,507	142,760	5.9	1,889,441	988,913	441,416	13.5	80,412	8.2	118,554	32,001	7.1	2,494,477	77.9	908,834	36.4	14			
368,637	30,319	8.2	204,016	156,866	78,175	17.5	6,554	12.5	15,136	4,083	15.5	381,600	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	701,036	30.9	16			
6,514,681	415,369	6.4	3,832,852	2,528,407	1,153,813	15.2	142,544	3.4	800,747	193,195	19.2	20,632,803	104.8	13,158,781	63.8	17			
1,897,884	124,358	6.6	1,145,606	675,222	305,510	16.3	75,671	7.5	143,708	29,702	23.0	2,282,585	76.8	1,565,607	68.2	18			
5,039,091	303,865	6.0	3,571,608	1,274,033	566,290	20.1	191,226	7.3	948,334	202,250	21.9	17,687,513	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	1,189,329	256,695	20.5	23,515,888	91.6	18,542,353	78.9	20			
1,779,820	60,147	2.8	1,585,076	140,373	63,667	12.4	53,935	11.7	907,295	205,126	32.0	21,063,332	102.7	16,680,212	79.2	21			
3,944,197	169,127	4.3	2,694,677	1,117,928	639,446	11.7	128,450	7.9	1,098,262	237,181	42.7	31,974,775	134.8	27,294,533	85.4	22			
2,215,496	85,613	3.9	1,604,907	693,160	336,958	10.5	43,407	4.9	848,710	166,447	17.7	10,932,961	96.9	8,193,499	67.0	23			
1,527,661	48,706	3.2	1,084,382	434,561	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	32,869	2.4	906,810	462,582	319,390	5.6	6,666	3.5	897,181	178,478	24.7	30,221,758	169.3	21,481,710	71.1	25			
1,428,682	10,444	1.4	1,201,080	214,479	158,271	5.0	12,568	9.9	984,799	213,439	41.7	33,474,896	156.8	28,609,951	85.5	26			
2,038,814	77,348	3.8	1,749,813	173,551	104,448	10.0	121,928	14.3	1,211,246	263,004	28.8	34,774,679	132.2	24,832,966	71.4	27			
322,618	9,373	2.9	198,345	121,047	61,187	5.9	336	4.8	394,500	77,690	25.6	36,214,751	466.1	24,563,173	67.8	28			
344,846	7,640	2.2	287,595	78,027	55,164	4.9	520	6.7	362,221	74,637	34.9	34,636,491	464.1	18,199,250	52.6	29			
738,810	12,972	1.8	585,753	140,899	89,783	6.6	9,437	5.7	584,172	124,417	42.9	42,225,475	339.4	23,109,624	54.7	30			
1,024,144	20,970	2.0	884,979	101,209	60,889	10.2	37,010	11.2	737,377	165,286	40.4	45,423,179	274.8	30,600,760	67.4	31			
136,521	10,088	7.4	100,114	18,245	8,027	18.2	18,113	24.6	51,212	10,140	39.3	944,511	93.1	653,052	69.1	32			
562,801	58,877	6.8	426,388	93,624	49,764	14.3	141,991	22.2	279,225	47,908	28.9	4,757,999	99.3	3,136,728	65.9	33			
305,255	10,190	3.3	204,804	26,376	14,712	6.4	73,448	10.7	894	204	41.7	5,668	27.8	4,258	75.1	34			
1,207,074	162,376	13.5	827,272	27,851	14,057	7.5	351,231	20.3	1,064,417	186,242	25.6	18,561,112	99.7	9,400,492	51.0	35			
752,344	61,408	8.2	645,641	55,405	14,141	25.4	51,145	18.9	477,924	87,289	16.2	9,669,790	100.0	5,520,308	57.7	36			
1,210,727	204,492	16.9	856,507	6,488	3,235	7.0	342,756	32.4	1,501,227	289,763	43.5	20,021,736	74.2	8,193,409	40.9	37			
779,991	179,482	23.0	396,855	5,941	3,062	6.5	376,930	38.7	1,074,693	192,693	64.5	12,426,675	64.5	6,184,159	49.8	38			
1,421,606	261,294	18.4	831,173	14,855	8,310	6.6	575,330	35.8	1,685,213	310,732	66.6	25,441,661	81.9	13,055,209	51.3	39			
536,614	58,497	10.9	316,740	38,370	16,109	6.6	181,008	24.8	281,893	54,005	25.3	6,046,691	112.0	2,297,271	38.0	40			
1,289,496	136,235	10.6	1,116,037	20,488	18,493	7.5	143,881	26.4	1,304,862	270,626	33.4	21,012,772	79.9	13,975,740	64.7	41			
1,214,947	153,103	12.6	955,125	14,319	7,708	8.7	245,395	26.9	1,271,708	252,774	41.1	19,510,856	77.2	11,185,302	57.3	42			
1,143,395	228,565	20.0	985,926	16,105	8,503	11.3	441,130	38.8	1,335,885	256,009	57.9	19,576,856	76.4	9,893,407	50.5	43			
876,106	182,135	20.8	414,329	7,330	3,631	13.4	453,663	35.9	1,270,482	272,101	66.1	18,190,979	66.9	9,325,677	51.2	44			
867,292	90,413	11.5	611,737	13,166	7,569	8.3	242,234	26.5	1,147,040	232,604	51.3	17,456,780	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	5,626,226	50.2	46			
1,021,588	48,076	4.7	884,745	36,108	19,372	13.4	76,331	16.4	1,017,327	191,988	51.0	31,951,934	166.4	18,125,321	56.7	47			
2,430,715	233,894	9.6	1,777,552	266,718	72,121	33.3	384,428	23.4	2,277,773	436,033	53.3	114,020,621	261.5	31,227,503	27.4	48			
320,562	9,071	2.8	226,355	35,709	56,627	6.0	1,262	6.7	225,667	57,677	11.3	35,070,656	608.1	11,007,273	31.4	49			
234,076	4,510	1.9	193,818	36,170	23,894	6.6	690	5.9	200,902	42,106	15.9	8,375,873	198.9	4,511,680	53.9	50			
115,730	2,940	2.5	89,625	23,057	12,008	9.2	1,065	6.1	67,306	15,748	12.5	11,809,351	749.9	2,102,005	17.8	51			
564,529	22,080	3.9	448,781	105,017	62,818	12.8	8,106	7.4	266,073	59,934	23.0	24,462,014	408.1	7,744,757	31.7	52			
185,183	34,952	18.9	149,224	21,933	5,881	28.6	4,809	4.4	161,446	29,844	12.2	24,409,683	817.9	1,717,224	7.0	53			
187,929	30,636	16.3	108,656	55,973	10,708	28.7	6,599	4.8	90,560	9,975	18.1	5,802,126	581.7	712,803	12.3	54			
228,682	5,679	2.5	171,375	52,254	33,192	6.5	1,104	5.0	140,249	25,662	10.9	5,050,410	196.8	1,715,380	34.0	55			
52,218	3,516	6.7	34,025	13,895	6,236	8.5	277	4.7	16,164	3,163	9.4	2,357,163	745.2	594,741	25.2	56			
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SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISIONS AND STATES,

Table continued from preceding page.]

1	DIVISION AND STATE.	AGRICULTURE—Continued.								
		VALUE OF FARM PROPERTY: 1920				VALUE OF FARM PRODUCTS: 1919				
		Total.	Land and buildings.	Implements and machinery.	Livestock.	Total (gross value). ¹	Livestock products. ²	Domestic animals sold, etc. ³	Crops.	Miscellaneous products. ⁴
		Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
1	United States.....	77,924,100,338	66,316,002,602	3,594,772,928	8,013,324,808	21,425,623,614	2,667,072,273	3,511,050,000	14,755,364,894	492,136,447
2	GEOGRAPHIC DIVISIONS:									
3	New England.....	1,173,019,594	917,468,584	92,387,525	163,163,485	505,397,039	132,411,030	55,500,000	275,175,536	42,310,473
4	Middle Atlantic.....	3,949,684,183	3,002,137,754	369,152,330	588,394,093	1,561,158,784	412,960,765	170,200,000	914,499,027	63,498,092
5	East North Central.....	17,245,362,502	14,937,641,671	786,076,805	1,521,644,117	4,410,240,680	721,387,462	794,200,000	2,818,367,792	80,285,426
6	West North Central.....	27,991,434,545	24,469,495,169	1,162,938,264	2,359,001,112	5,581,207,432	550,742,614	1,312,600,000	3,676,902,149	41,052,669
7	South Atlantic.....	6,132,917,760	5,201,773,472	283,980,857	647,163,431	2,629,345,466	204,301,963	221,550,000	2,083,808,420	119,685,074
8	East South Central.....	4,419,466,237	3,663,693,363	176,064,886	579,707,988	1,795,544,716	159,643,789	256,500,000	1,306,179,989	73,220,938
9	West South Central.....	7,622,066,027	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
10	Mountain.....	4,083,187,939	3,163,187,783	190,715,673	729,234,483	921,882,633	121,132,969	230,700,000	562,954,399	7,095,265
11	Pacific.....	5,307,011,460	4,609,416,734	232,357,792	405,236,934	1,281,275,305	183,145,083	127,600,000	948,854,024	21,676,248
12	NEW ENGLAND:									
13	Maine.....	270,526,733	204,108,971	26,637,660	39,780,102	154,076,196	26,075,219	15,700,000	100,152,324	12,148,653
14	New Hampshire.....	118,656,115	89,995,870	9,499,322	19,160,923	51,771,331	14,681,368	7,700,000	23,509,665	5,880,298
15	Vermont.....	222,736,620	159,117,159	21,234,130	42,385,331	99,473,142	31,678,340	13,300,000	47,999,600	6,600,202
16	Massachusetts.....	300,471,743	247,587,831	19,359,755	33,524,157	109,223,194	33,850,892	10,300,000	53,700,925	10,771,377
17	Rhode Island.....	33,636,766	26,387,026	2,408,561	4,840,279	13,682,138	5,307,881	1,800,000	5,340,378	1,673,879
18	Connecticut.....	226,991,617	190,270,827	9,248,097	23,472,693	77,171,038	20,802,830	6,600,000	44,472,644	5,236,064
19	MIDDLE ATLANTIC:									
20	New York.....	1,908,483,201	1,426,061,740	189,866,766	313,554,695	743,823,392	225,465,739	71,000,000	417,646,864	30,310,789
21	New Jersey.....	311,847,048	250,323,986	25,459,205	36,064,767	135,000,544	31,482,945	8,700,000	87,484,186	7,333,413
22	Pennsylvania.....	1,720,353,034	1,326,752,023	163,826,365	238,774,641	682,334,848	156,012,081	90,500,000	409,968,877	25,853,890
23	EAST NORTH CENTRAL:									
24	Ohio.....	3,085,666,336	2,661,435,949	146,575,269	287,655,118	941,729,097	155,587,919	159,400,000	607,037,562	19,704,216
25	Indiana.....	3,042,311,247	2,653,643,973	127,403,086	261,264,188	732,101,167	99,350,023	171,100,000	497,229,719	14,421,425
26	Illinois.....	6,666,767,235	5,997,993,566	222,619,605	446,154,064	1,298,906,947	142,351,262	274,800,000	864,737,833	17,017,852
27	Michigan.....	1,763,334,778	1,436,686,210	122,389,936	204,258,632	606,886,581	111,076,235	75,600,000	404,014,810	10,195,536
28	Wisconsin.....	2,677,282,997	2,187,881,973	107,088,909	322,312,115	780,616,238	213,022,023	108,300,000	445,347,868	18,946,397
29	WEST NORTH CENTRAL:									
30	Minnesota.....	3,787,420,118	3,301,168,325	181,087,968	305,163,825	734,485,441	113,236,965	104,000,000	506,020,233	11,228,243
31	Iowa.....	3,624,870,956	3,062,967,700	138,261,340	389,839,045	1,447,938,473	130,250,447	420,300,000	890,391,299	6,996,727
32	Missouri.....	3,591,068,085	3,062,967,700	138,261,340	389,839,045	962,663,253	105,601,436	270,800,000	559,047,854	17,213,963
33	North Dakota.....	1,759,742,995	1,438,521,495	114,186,865	157,034,635	308,055,839	30,978,832	34,900,000	301,782,935	393,022
34	South Dakota.....	2,833,870,212	2,472,893,081	112,408,268	238,568,203	411,111,307	35,739,209	63,700,000	311,006,809	665,289
35	Nebraska.....	4,201,655,992	3,712,107,700	163,104,448	336,443,784	784,677,206	54,612,075	208,700,000	619,727,771	1,635,360
36	Kansas.....	3,302,806,187	2,830,063,918	154,716,977	318,025,292	832,365,893	80,322,550	210,200,000	588,923,248	2,920,065
37	SOUTH ATLANTIC:									
38	Delaware.....	80,137,614	64,755,681	6,781,318	8,690,665	32,182,526	5,778,747	2,400,000	23,058,906	944,873
39	Maryland.....	463,638,120	386,596,850	28,970,020	48,071,250	158,178,779	25,622,172	16,800,000	109,858,608	5,997,999
40	District of Columbia.....	5,927,987	5,577,369	104,262	240,360	1,019,770	119,263	50,000	307,614	542,893
41	Virginia.....	1,190,655,772	1,024,435,025	50,151,466	121,609,281	425,199,212	46,311,494	61,100,000	292,824,260	24,963,458
42	West Virginia.....	496,439,617	410,783,406	18,395,058	67,261,153	139,066,516	26,332,970	34,600,000	96,537,459	11,590,087
43	North Carolina.....	1,250,166,995	1,076,332,960	54,621,363	119,152,672	614,084,854	35,860,056	41,600,000	503,229,313	33,995,485
44	South Carolina.....	953,064,742	813,484,200	48,062,367	61,618,155	489,079,710	20,354,060	18,000,000	437,121,837	14,503,813
45	Georgia.....	1,356,685,196	1,138,298,627	63,343,220	155,043,949	638,430,053	36,401,316	39,000,000	540,613,626	22,415,111
46	Florida.....	330,301,717	281,449,404	13,551,773	35,300,540	107,204,046	7,621,885	8,000,000	80,286,806	5,325,355
47	EAST SOUTH CENTRAL:									
48	Kentucky.....	1,511,901,077	1,305,158,936	48,354,857	158,387,284	512,459,424	50,928,217	90,800,000	347,338,888	17,392,319
49	Tennessee.....	1,251,904,686	1,024,079,394	53,462,556	173,622,135	492,407,214	50,960,694	101,000,000	318,285,307	22,161,213
50	Alabama.....	690,848,720	543,657,755	34,360,217	112,824,743	383,178,279	30,426,993	29,100,000	304,348,638	19,302,648
51	Mississippi.....	904,751,655	789,896,778	39,881,256	134,973,821	407,499,799	27,327,885	29,600,000	336,207,166	14,364,768
52	WEST SOUTH CENTRAL:									
53	Arkansas.....	924,895,483	753,110,666	43,432,237	127,852,580	424,486,802	30,083,950	39,400,000	340,813,256	14,189,596
54	Louisiana.....	589,826,679	474,038,793	32,715,010	83,072,876	237,628,052	13,613,465	12,100,000	266,182,548	5,732,089
55	Oklahoma.....	1,660,423,544	1,368,865,294	80,630,547	215,927,703	707,895,000	49,887,518	108,800,000	550,084,742	4,122,740
56	Texas.....	4,447,420,821	3,700,173,319	154,820,996	592,926,006	1,360,471,705	87,761,715	196,900,000	1,071,542,103	18,287,887
57	MOUNTAIN:									
58	Montana.....	985,061,308	776,767,620	55,004,212	154,189,567	142,597,141	24,809,029	46,000,000	69,975,185	1,812,927
59	Idaho.....	710,137,010	581,511,964	38,417,253	96,208,693	181,709,556	22,225,355	30,500,000	126,495,111	2,489,090
60	Wyoming.....	334,410,500	234,748,125	11,777,949	87,884,516	68,153,818	14,004,109	23,700,000	30,270,630	179,079
61	Colorado.....	1,076,704,749	886,013,030	49,804,509	160,970,580	280,295,333	26,921,292	70,600,000	181,065,239	1,708,802
62	New Mexico.....	325,185,909	221,814,212	9,745,369	93,626,418	75,172,758	8,447,826	25,700,000	40,619,634	405,298
63	Arizona.....	233,592,989	172,325,321	8,820,667	52,447,001	59,771,694	6,294,886	10,000,000	42,481,230	95,578
64	Utah.....	311,274,728	243,751,758	13,514,787	54,008,183	87,764,314	13,735,823	15,600,000	58,067,067	361,424
65	Nevada.....	99,779,666	66,255,214	3,630,927	29,893,525	26,418,019	4,694,649	7,700,000	13,980,303	43,067
66	PACIFIC:									
67	Washington.....	1,057,429,848	920,392,341	54,721,377	82,316,130	301,271,159	44,066,349	23,900,000	227,212,008	6,092,802
68	Oregon.....	818,559,751	675,213,284	41,567,125	101,779,342	209,459,266	35,146,671	36,200,000	131,884,639	6,227,956
69	California.....	3,431,021,861	3,073,811,109	136,069,290	221,141,462	770,544,880	103,932,013	67,500,000	589,757,377	9,355,490

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 crops fed to live stock. It is roughly analogous to the value of products in manufactures, with its duplication on account of the use of the products of one establishment as materials in another.

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 \$394,221,828, nursery products valued at \$20,434,389, and greenhouse products valued at \$77,380,230.

MINNESOTA.

NUMBER AND DISTRIBUTION OF INHABITANTS.

Population of the state.—According to the Fourteenth Census, taken as of January 1, 1920, the population of Minnesota is 2,387,125, which represents an increase of 311,417, or 15 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 Minnesota from 1850 to 1920, inclusive, with the increase for each decade, in comparison with the per cent of increase for the United States as a whole:

POPULATION OF MINNESOTA: 1850 TO 1920.

CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		Per cent of increase for the United States.
		Number.	Per cent.	
1920.....	2,387,125	311,417	15.0	14.9
1910.....	2,075,708	324,314	18.5	21.0
1900.....	1,751,394	441,111	33.7	20.7
1890.....	1,310,283	529,510	67.8	25.5
1880.....	780,773	341,067	77.6	30.1
1870.....	439,706	267,683	155.6	22.6
1860.....	172,023	165,946	2,730.7	35.6
1850.....	¹ 6,077	.....	.....	.....

¹ The territory of Minnesota in 1850 included a considerable part of the area of the present states of North and South Dakota. (See historical note.)

Counties.—Minnesota has 86 counties, of which 77 show increases and 9 decreases as compared with 1910. (See Table 1.) No changes in county boundaries have been made since 1910.

Density of population.—The total land area of the state is 80,858 square miles. The average number of inhabitants to the square mile in 1920 is 29.5 (see Table 1), as against 25.7 in 1910 and 21.7 in 1900.

Minor civil divisions.—The political units into which the counties are divided are collectively termed "minor civil divisions." The counties of Minnesota are made up of 2,745 primary divisions, comprising 1,933 organized townships, 227 unorganized townships (including 42 for which no population was returned in 1920), 500

villages, 84 cities, and 1 borough. In addition to the villages which form primary divisions of the counties, there are 106 villages which constitute secondary divisions. Of these, each of 99 forms a part of the township in which it is located; each of 6 comprises parts of 2 townships; and 1 is coextensive with the township in which it is located. One village not included in the above count, Eden Valley, located in Meeker and Stearns Counties, forms a primary division of Meeker County and a part of a township in Stearns County. In addition to the minor civil divisions specified, there are in the state 7 islands, for 2 of which no population was reported, and 2 Indian reservations. (See Table 2.) The unorganized townships and the islands for

HISTORICAL NOTE.—Minnesota is named from the river which crosses the southern part of the state in an easterly direction. The name is of Indian origin and signifies "sky-colored (cloudy or hazy) water."

Explorations in the region now constituting Minnesota were made by the French as early as 1659-60, when Groselliers and Radisson visited the Mille Lacs region. In 1680 Nicolas Perrot took formal possession of the country in the name of the King of France. Although fur traders had been in the Minnesota region for more than a century, the first permanent settlement appears to have been that made near Fort Snelling in 1826 by Swiss refugees from Lord Selkirk's colony at Pembina, now in North Dakota. The fort itself, at first called Fort St. Anthony, had been established in 1819.

In 1762 the French possessions west of the Mississippi, then known as Louisiana, were ceded to Spain. In 1800 Louisiana was retroceded to France, and in 1803 it was purchased by the United States. The French possessions northwest of the Ohio River were ceded to England in 1763, and at the close of the Revolution the area now constituting northeastern and northwestern Minnesota became a part of the United States.

The remainder of the Minnesota country was included in the Louisiana Purchase in 1803, and belonged successively to the district of Louisiana, organized in 1804; to Louisiana territory, organized in 1805; and to Missouri territory, organized in 1812. In 1834 it was added to Michigan territory, in 1836 it was made a part of Wisconsin territory, and in 1838 it was included in the territory of Iowa. The northeastern and northwestern portions of Minnesota formed a part of the Territory Northwest of the Ohio River from 1787 to 1800, of the territory of Indiana from 1800 to 1809, of the territory of Illinois from 1809 to 1818, and of the territory of Michigan from 1818 to 1836, when they were included in the newly organized territory of Wisconsin. Upon the admission of Iowa and Wisconsin as states of the Union, in 1846 and 1848, respectively, the Minnesota country was left without an organized government. In 1849 the territory of Minnesota was formed, with northern, eastern, and southern limits as at present, but bounded on the southwest and west by the Missouri and White Earth Rivers, thus including more than half the area of the present states of North and South Dakota. In May, 1858, Minnesota, with boundaries as at present, was admitted to the Union as the thirty-second state.

which no population was reported are not shown in the body of Table 2, but are specified in the footnotes. The Indian reservations are independent of the county organizations, but are treated for census purposes as parts of the counties in which they are located.

Cities.—Minnesota has 84 cities, of which Minneapolis, with a population of 380,582, is the largest.

Two other cities have more than 50,000 inhabitants each. (See Tables 3 and 4.)

The following summary shows, for each city having 10,000 or more inhabitants in 1920, the population at each census for which figures are available, together with the number and per cent of increase during the preceding decade:

POPULATION OF PRINCIPAL CITIES FROM EARLIEST CENSUS TO 1920.

[A minus sign (—) denotes decrease.]

CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.			Number.	Per cent.
Austin:				Mankato:				St. Cloud—Continued.			
1920.....	10,118	3,158	45.4	1920.....	12,489	2,104	20.3	1880.....	2,462	301	13.0
1910.....	6,960	1,450	27.1	1910.....	10,365	—234	—2.2	1870.....	2,161		
1900.....	5,474	1,573	40.3	1900.....	10,599	1,701	19.9	St. Paul:			
1890.....	3,901	1,568	69.2	1890.....	8,538	3,288	59.2	1920.....	234,698	19,954	9.3
1880.....	2,305	260	13.0	1880.....	5,550	2,068	59.4	1910.....	214,744	51,679	31.7
1870.....	2,039	1,839	919.5	1870.....	3,482			1900.....	163,065	29,909	22.5
1860.....	200							1890.....	133,156	91,683	221.1
Duluth:				Minneapolis:				1880.....	41,473	21,443	107.1
1920.....	98,917	20,451	26.1	1920.....	380,582	79,174	26.3	1870.....	20,030	9,629	92.0
1910.....	78,466	25,497	48.1	1910.....	301,408	98,690	48.7	1860.....	10,401	9,289	835.3
1900.....	52,969	19,854	60.0	1900.....	202,718	37,980	23.1	1850.....	1,112		
1890.....	33,115	32,277	3,851.7	1890.....	164,738	117,851	251.4	Virginia:			
1880.....	1,838	—2,293	—73.2	1880.....	40,857	33,821	258.8	1920.....	14,022	3,549	33.9
1870.....	3,131	3,051	3,813.8	1870.....	13,066	10,502	409.6	1910.....	10,473	7,511	253.6
1860.....	80			1860.....	2,504			1900.....	2,902		
Faribault:				Rochester:				Winona:			
1920.....	11,089	2,088	23.2	1920.....	13,722	5,878	74.9	1920.....	19,143	560	3.0
1910.....	9,001	1,133	14.4	1910.....	7,844	1,001	14.6	1910.....	18,583	—1,131	—5.7
1900.....	7,868	1,348	20.7	1900.....	6,843	1,522	23.6	1900.....	19,714	1,506	8.3
1890.....	6,520	1,105	20.4	1890.....	5,321	218	4.3	1890.....	18,208	8,000	78.4
1880.....	5,415	2,370	77.8	1880.....	5,103	1,150	29.1	1880.....	10,208	3,016	41.9
1870.....	3,045			1870.....	3,953	2,529	177.6	1870.....	7,192	4,728	191.9
				1860.....	1,424			1860.....	2,464		
Hibbing village:				St. Cloud:							
1920.....	15,089	6,257	70.8	1920.....	15,873	5,273	49.7				
1910.....	8,832	6,351	256.0	1910.....	10,800	1,937	22.4				
1900.....	2,481			1900.....	8,863	977	12.7				
				1890.....	7,686	5,224	212.2				

¹ Excludes population of Duluth village (2,645), set apart by act of legislature, Feb. 23, 1877, but which again became part of city by act of Mar. 2, 1887.

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 popu-

lation of the various places as shown by the returns of that census. Consequently the territory comprised within any one class of cities or that designated as urban or as rural does not remain fixed, because any given place may, through the growth or the decline of its population, pass from one class to another at successive censuses. The proportion of the population of Minnesota living in places of 2,500 or more increased from 34.1 per cent in 1900 to 41 per cent in 1910 and to 44.1 per cent in 1920.

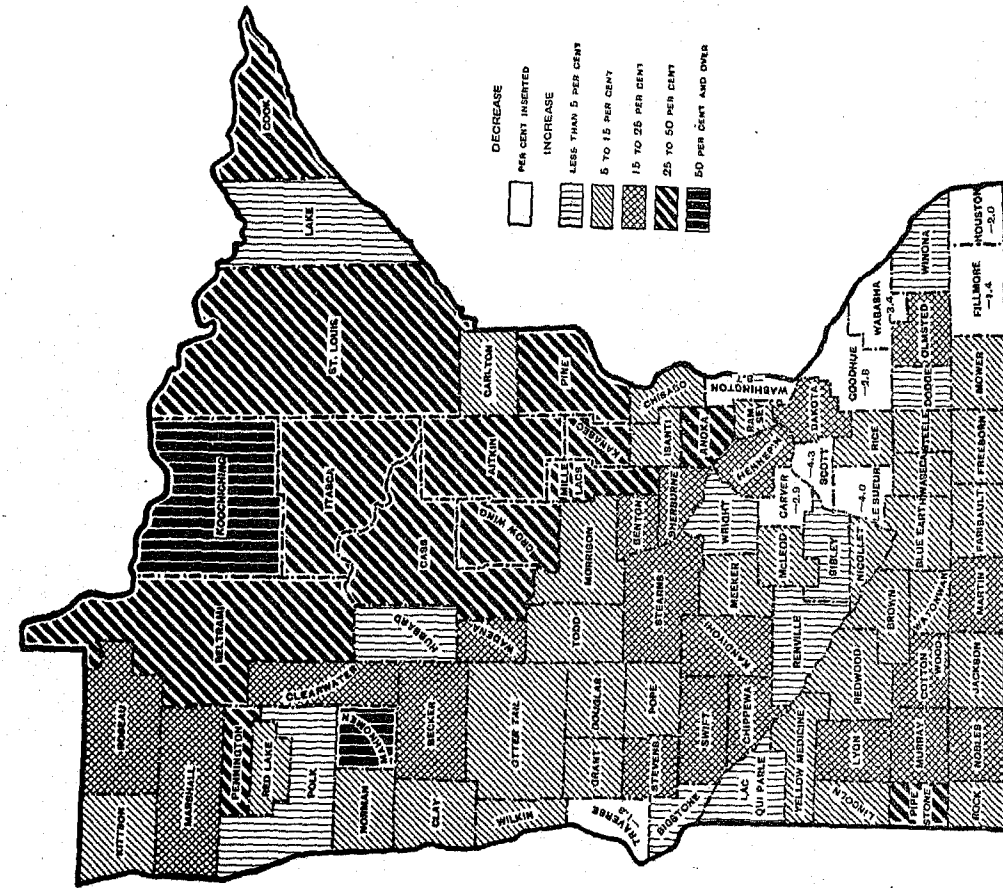
URBAN AND RURAL POPULATION: 1920, 1910, AND 1900.

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.....		2,387,125		2,075,708		1,751,394	100.0	100.0	100.0
Urban territory.....	59	1,051,593	48	850,294	37	598,100	44.1	41.0	34.1
Cities and villages of—									
100,000 inhabitants or more.....	2	615,280	2	516,152	2	365,783	25.8	24.9	20.9
50,000 to 100,000 inhabitants.....	1	98,917	1	78,466	1	52,969	4.1	3.8	3.0
10,000 to 50,000 inhabitants.....	8	111,525	5	60,219	3	42,631	4.7	2.9	2.4
5,000 to 10,000 inhabitants.....	16	114,851	16	115,083	11	72,066	4.8	5.5	4.1
2,500 to 5,000 inhabitants.....	32	111,020	24	80,374	20	64,651	4.7	3.9	3.7
Rural territory.....		1,335,532		1,225,414		1,153,294	55.9	59.0	65.9
Cities, villages, and boroughs of less than 2,500 inhabitants.....	633	368,269	596	326,166	414	263,042	15.4	15.7	15.0
Other rural territory.....		967,263		899,248		890,252	40.5	43.3	50.8

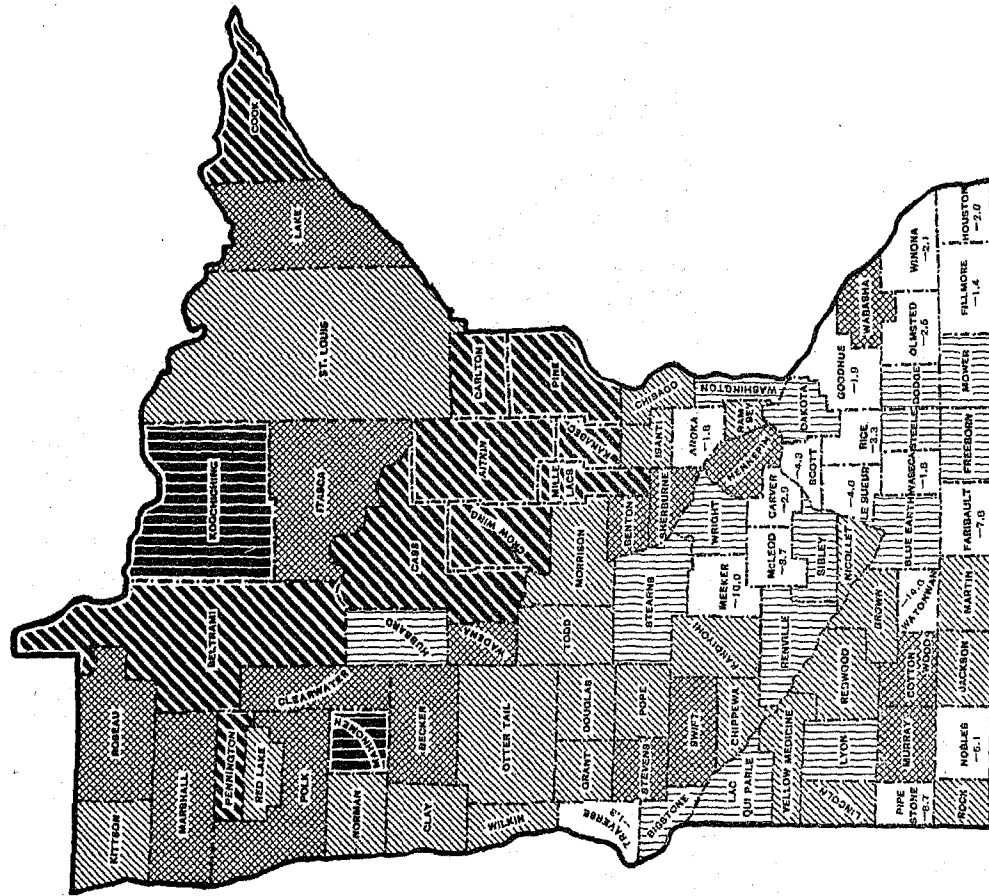
PER CENT OF INCREASE OR DECREASE OF POPULATION OF MINNESOTA, BY COUNTIES: 1910-1920.

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

TOTAL POPULATION.



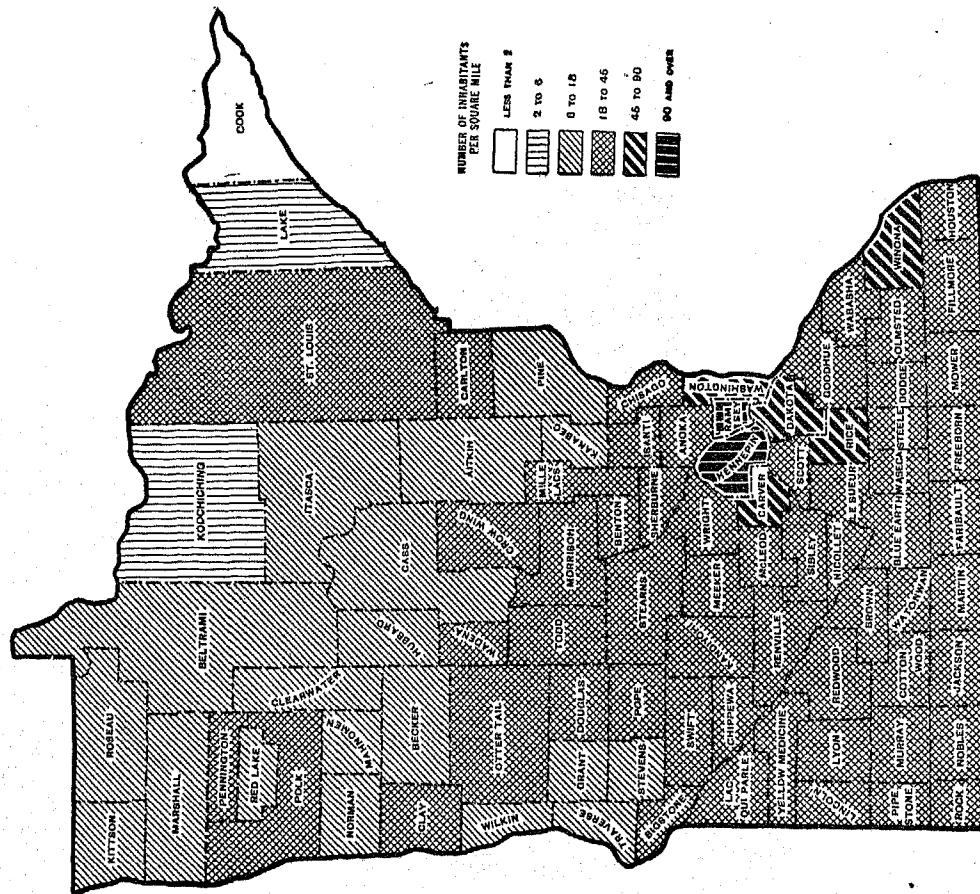
RURAL POPULATION.



DENSITY OF POPULATION OF MINNESOTA, BY COUNTIES: 1920.

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

TOTAL POPULATION.



RURAL POPULATION.

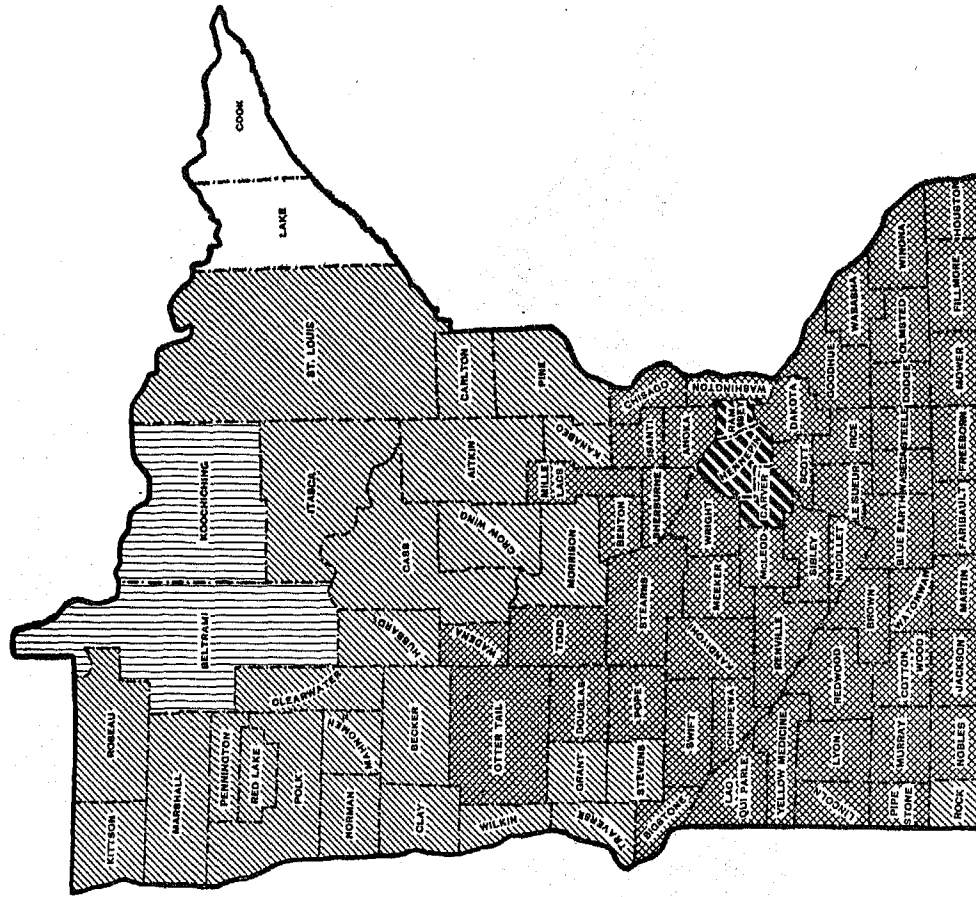


TABLE 1.—AREA AND POPULATION OF COUNTIES: 1850 TO 1920.

[In computing the increase from 1890 to 1900 for certain counties, the population of Indian reservations in 1900 has been deducted from the total population of the county in order to make it comparable with the total for 1890, which does not include the population of Indian reservations. The deductions thus made for the several counties are as follows: Beltrami, 1,513; Carlton, 367; Cass, 2,381; Cook, 108; Itasca, 672; St. Louis, 881.]

[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.										
Minnesota ¹	80,858	2,387,125	29.5	2,075,708	1,751,394	1,310,283	780,773	1,439,705	1,172,023	1,6,077	15.0	18.5	33.7
Aitkin ¹	1,830	15,043	8.2	10,371	6,743	2,462	380	178	2	.....	45.0	53.8	173.9
Anoka ¹	459	15,620	34.0	12,493	11,313	9,884	7,108	3,940	2,106	.....	25.1	10.4	14.5
Becker ¹	1,349	22,851	16.9	18,840	14,375	9,401	5,218	308	886	.....	21.3	31.1	52.9
Beltrami ¹	3,822	27,079	7.1	19,337	11,030	312	10	80	.....	.....	40.0	75.3	2,950.3
Benton ¹	405	14,078	34.7	11,615	9,912	6,284	3,012	1,558	627	418	21.2	17.2	57.7
Big Stone ¹	491	9,766	19.9	9,367	8,781	5,722	3,688	24	.....	.....	4.3	7.3	52.6
Blue Earth ¹	702	31,477	41.3	29,337	32,263	29,210	22,839	17,302	4,803	.....	7.3	—9.1	10.5
Brown ¹	612	22,421	36.6	20,134	19,787	15,817	12,018	6,396	2,339	.....	11.4	1.8	25.1
Carlton ¹	867	19,391	22.4	17,559	10,017	5,272	1,230	286	51	.....	10.4	75.2	83.0
Carver ¹	376	16,946	45.1	17,455	17,544	10,532	14,140	11,586	5,106	.....	—2.9	—0.5	6.1
Cass ¹	2,104	15,897	7.6	11,620	7,777	1,247	486	380	150	.....	36.8	49.4	332.7
Chippewa ¹	591	15,720	26.6	13,458	12,499	8,555	5,408	1,467	.....	.....	10.8	7.7	46.1
Chisago ¹	427	14,445	33.8	13,537	13,248	10,559	7,982	4,358	1,743	.....	6.7	2.2	27.9
Clay ¹	1,043	21,780	20.9	19,640	17,942	11,517	5,887	92	.....	.....	10.9	9.5	55.8
Clearwater ¹	1,019	8,569	8.4	6,870	.....	.....	.....	.....	.....	.....	24.7	.....	.....
Cook ¹	1,498	1,841	1.2	1,336	810	98	65	.....	.....	.....	37.8	64.9	616.3
Cottonwood ¹	640	14,570	22.8	12,651	12,069	7,412	5,533	534	12	.....	15.2	4.8	62.8
Crow Wing ¹	1,057	24,566	23.2	16,861	14,250	8,852	2,319	200	269	.....	45.7	18.3	61.0
Dakota ¹	599	28,967	48.4	25,171	21,733	20,240	17,391	16,312	9,693	584	15.1	15.8	7.4
Dodge ¹	440	12,552	28.5	12,094	13,340	10,864	11,344	8,598	3,797	.....	3.8	—0.3	22.8
Douglas ¹	648	19,039	29.4	17,669	17,964	14,606	9,130	4,239	195	.....	7.3	—1.6	32.0
Faribault ¹	719	20,993	29.2	19,949	22,055	16,708	13,016	9,940	1,335	.....	5.3	—9.5	23.0
Fillmore ¹	808	25,330	31.2	25,080	23,233	25,906	28,102	21,887	18,542	.....	—1.4	—9.1	8.7
Freeborn ¹	735	24,692	33.6	22,282	21,833	17,982	16,069	10,578	3,307	.....	10.8	2.0	21.6
Goodhue ¹	707	30,799	43.4	31,637	31,137	25,806	29,651	22,618	8,977	.....	—2.6	1.6	8.1
Grant ¹	553	9,788	17.7	9,114	8,935	3,004	340	.....	.....	.....	7.4	2.0	30.0
Hennepin ¹	565	416,419	735.3	333,480	228,340	185,294	67,013	31,566	12,849	.....	24.6	46.0	23.2
Houston ¹	370	14,013	37.9	14,297	15,400	14,553	16,332	14,936	6,645	.....	—2.0	—7.2	5.1
Hubbard ¹	958	10,136	10.6	8,831	6,573	1,412	.....	.....	.....	.....	3.1	49.5	365.9
Isanti ¹	442	13,278	30.0	12,615	11,675	7,607	5,093	2,085	284	.....	5.3	8.1	53.5
Itasca ¹	2,730	23,376	8.7	17,208	4,573	743	124	96	51	97	38.7	276.3	425.0
Jackson ¹	702	15,955	22.7	14,491	14,783	8,924	4,806	1,825	181	.....	10.1	—2.0	65.8
Kanabec ¹	534	9,086	17.0	6,461	4,614	1,670	505	93	30	.....	40.6	40.0	192.2
Kandiyohi ¹	801	22,060	27.5	18,969	18,416	13,997	10,159	1,760	76	.....	16.3	3.0	31.6
Kittson ¹	1,111	10,638	9.6	9,669	7,880	5,387	905	64	1,612	1,134	10.0	22.6	40.4
Koochiching ¹	3,141	13,520	4.3	6,431	.....	.....	.....	.....	.....	.....	110.2	.....	.....
Lac qui Parle ¹	790	15,554	19.7	15,435	14,289	10,382	4,891	.....	.....	.....	0.8	8.0	37.6
Lake ¹	2,099	8,251	3.9	8,011	4,654	1,290	106	135	243	.....	3.0	72.1	253.3
Le Sueur ¹	466	17,870	38.3	18,600	20,234	19,057	16,103	11,607	5,313	.....	—4.0	—8.0	6.2
Lincoln ¹	535	11,268	21.1	9,874	8,906	5,691	2,945	.....	.....	.....	14.1	10.1	57.5
Lyon ¹	708	18,337	26.0	15,722	14,591	9,501	6,257	.....	.....	.....	19.8	7.8	53.6
McLeod ¹	496	20,444	41.2	18,601	19,595	17,026	12,342	5,643	1,286	.....	9.4	—4.6	15.1
Mahnomen ¹	572	6,197	10.8	3,249	.....	.....	.....	.....	.....	.....	90.7	.....	.....
Marshall ¹	1,783	19,443	10.9	16,338	15,698	9,130	992	.....	.....	.....	19.0	4.1	71.9
Martin ¹	719	21,085	29.3	17,518	16,936	9,403	5,249	3,867	151	.....	20.4	3.4	80.1
Meeker ¹	621	18,103	29.2	17,022	17,753	15,456	11,739	6,090	928	.....	6.4	—4.1	14.9
Millie Laes ¹	533	14,180	24.3	10,705	8,066	2,845	1,501	1,109	73	.....	32.5	32.7	183.5
Morrison ¹	1,143	25,841	22.6	24,053	22,891	13,325	5,875	1,681	618	.....	7.4	5.1	71.8
Mower ¹	711	25,993	36.6	22,640	22,335	18,019	16,799	10,447	3,217	.....	14.8	1.4	24.0
Murray ¹	704	13,631	19.4	11,755	11,911	6,692	3,604	209	29	.....	16.0	—1.3	78.0
Nicollet ¹	443	15,036	33.9	14,125	14,774	13,382	12,333	8,362	3,773	.....	6.4	—4.4	10.4
Nobles ¹	722	17,917	24.8	15,210	14,932	7,958	4,435	117	35	.....	17.8	1.9	87.6
Norman ¹	860	14,880	17.3	13,446	15,045	10,618	.....	.....	.....	.....	10.7	—10.6	41.7
Olmsted ¹	666	28,014	42.1	22,497	23,119	19,806	21,543	19,703	9,524	.....	24.5	—2.7	16.7
Otter Tail ¹	2,039	50,818	24.9	46,036	45,375	34,232	18,675	1,968	240	.....	10.4	1.5	32.6

CHANGES IN BOUNDARIES, ETC.

THE STATE.—Total for 1900 includes population (3,486) of White Earth Indian Reservation, in Becker, Clearwater, and Mahnomen Counties, not returned by counties in that year. Total for 1890 includes population (8,457) of Indian reservations, specially enumerated and not distributed by counties. Total for 1870 includes population of old Lac qui Parle County (145), annexed to Swift and other counties in 1870; and of Monongalia County (3,161), annexed to Kandiyohi in 1870. Total for 1860 includes population of Breckenridge County (79), part taken to form Clay in 1862 and remainder annexed to Wilkin in 1863; of Buchanan County (26), annexed to Pine between 1860 and 1870; of Manomin County (136), annexed to Anoka in 1870; of Monongalia County (360), annexed to Kandiyohi in 1870; and of Pierce County (11), taken to form Big Stone, Chippewa, Pope, Stevens, and Swift between 1860 and 1870. Total for 1850 includes population (315) of Mankata and Wabasha Counties (no records by which to account for their disappearance).

AITKIN.—Parts of Cass and Itasca annexed between 1870 and 1880.
 ANOKA.—Manomin annexed in 1870.
 BELTRAMI.—Part taken to form Clearwater in 1903.
 BIG STONE.—Organized from part of Pierce between 1860 and 1870; part of Traverse annexed in 1876.
 CASS.—Part annexed to Aitkin between 1870 and 1880; part taken to form Hubbard in 1883; parts annexed to Crow Wing and Hubbard between 1890 and 1900.
 CHIPPEWA.—Organized from part of Pierce between 1860 and 1870; part annexed to Swift in 1870.
 CLAY.—Organized from part of Breckenridge in 1862.
 CLEARWATER.—Organized from part of Beltrami in 1903.

COOK.—Organized from part of Lake in 1875.
 CROW WING.—Part of Cass annexed between 1890 and 1900.
 DAKOTA.—Part annexed to Ramsey in 1874.
 HUBBARD.—Organized from part of Cass in 1883; part of Cass annexed between 1890 and 1900.
 ITASCA.—Part annexed to Aitkin between 1870 and 1880; part taken to form Koochiching in 1906.
 KANDIYOHI.—Monongalia annexed in 1870.
 KITTSON.—Name changed from Pembina in 1878; parts taken to form Marshall in 1870 and Roseau in 1895.
 KOOCHICHING.—Organized from part of Itasca in 1906.
 LAC QUI PARLE.—Organized from part of Redwood in 1871.
 LAKE.—Part taken to form Cook in 1875.
 LINCOLN.—Organized from part of Lyon in 1873.
 LYON.—Organized from part of Redwood in 1871; part taken to form Lincoln in 1873.
 MAHNOMEN.—Organized from that part of White Earth Indian Reservation in Norman County in 1906.
 MARSHALL.—Organized from part of Kittson in 1879.
 MEERKE.—Part of Renville annexed in 1871.
 NORMAN.—Organized from part of Polk in 1881; part (formerly part of White Earth Indian Reservation) taken to form Mahnomen in 1906.
 OTTER TAIL.—Part of Wilkin annexed between 1870 and 1880.

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

[In computing the increase from 1890 to 1900 for certain counties, the population of Indian reservations in 1900 has been deducted from the total population of the county in order to make it comparable with the total for 1890, which does not include the population of Indian reservations. The deductions thus made for the several counties are as follows: Beltrami, 1,513; Carlton, 367; Cass, 2,381; Cook, 108; Itasca, 672; St. Louis, 891.]

[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.										
Pennington ¹	607	12,091	19.9	9,376	11,640	4,082	1,365	648	92	2,227	29.0	37.5	184.9
Pine ¹	1,413	21,117	14.9	15,878	9,264	5,132	2,092				33.0	31.1	80.5
Pipestone.....	469	12,050	25.7	9,553	35,429	11,433		(2)	240		26.1	3.1	17.3
Polk ¹	1,979	37,090	18.7	36,001	10,032	5,874	2,691				3.0	1.6	25.4
Pope ¹	693	13,631	19.7	12,746							6.9	1.3	
Ramsey ¹	161	244,554	1,519.0	223,675	170,554	139,796	45,890	23,085	12,150	2,227	9.3	31.1	22.0
Red Lake ¹	432	7,263	16.8	6,564	12,195						10.6	-46.2	
Redwood ¹	881	20,908	23.7	18,425	17,261	9,386	5,375	1,829			13.5	6.7	83.9
Renville ¹	978	23,634	24.2	23,123	23,693	17,099	10,791	3,219	245		2.2	-2.4	38.6
Rice.....	495	28,307	57.2	26,911	20,080	23,908	22,481	16,083	7,543		9.2	-0.6	8.8
Rock.....	492	10,965	22.3	10,222	9,668	6,817	3,609	138	23		7.3	5.7	41.8
Roseau ¹	1,670	13,305	8.0	11,335	6,994						17.3	62.1	
St. Louis.....	6,603	206,391	31.7	163,274	82,932	44,802	4,504	4,561	400		26.4	96.9	82.0
Scott.....	396	14,245	35.9	14,888	15,147	13,831	13,616	11,042	4,595		-4.3	-1.7	9.5
Sherburne.....	448	9,661	21.5	8,130	7,281	5,908	3,855	2,050	723		18.6	11.7	23.2
Sibley.....	585	15,635	26.7	15,540	10,862	15,199	10,637	6,725	3,609		0.6	-7.8	10.9
Stearns.....	1,362	55,741	40.9	47,733	44,404	34,844	21,956	14,206	4,505		16.8	7.4	27.6
Steele.....	431	18,061	41.9	16,140	16,524	13,232	12,460	8,271	2,863		11.9	-2.3	24.9
Stevens ¹	564	9,778	17.3	8,293	8,721	5,261	3,911	174			17.9	-4.9	66.1
Swift ¹	741	15,093	20.4	12,949	13,503	10,161	7,473	(2)			16.6	-4.1	32.9
Todd.....	957	26,059	27.2	23,407	22,214	12,930	6,133	2,036	430		11.3	5.4	71.8
Traverse ¹	563	7,943	14.0	8,049	7,573	4,518	1,507	13			-1.3	6.3	67.7
Wabasha.....	541	17,919	33.1	18,554	18,924	16,972	18,206	15,859	7,228	243	-3.4	-2.0	11.5
Wadena.....	533	10,699	19.9	8,652	7,921	4,063	2,080	6			23.7	9.2	95.4
Waseca.....	414	14,133	32.8	13,466	14,760	13,313	12,385	7,854	2,601		5.0	-3.8	10.9
Washington.....	397	23,761	59.9	26,013	27,808	25,902	19,563	11,809	6,123	1,056	-8.7	-6.5	7.0
Watsonwan.....	434	12,457	28.7	11,382	11,496	7,746	5,104	2,428			9.4	-1.0	48.4
Wilkin ¹	745	10,187	13.7	9,063	8,080	4,346	1,006	295	40		12.4	12.2	85.9
Winona.....	637	33,653	52.8	33,398	35,686	33,797	27,197	22,319	9,208		0.8	-6.4	5.6
Wright.....	601	28,685	41.5	28,082	29,157	24,164	18,104	9,457	3,729		2.1	-3.7	20.7
Yellow Medicine ¹	749	16,550	22.1	15,406	14,602	9,854	5,884				7.4	5.5	48.2

1 CHANGES IN BOUNDARIES, ETC.

PENNINGTON.—Organized from part of Red Lake in 1910 but prior to Thirteenth Census date (Apr. 15).
 PINE.—Buchanan annexed between 1860 and 1870.
 POLK.—Parts taken to form Norman in 1881 and Red Lake in 1897.
 POPE.—Organized from part of Pierce between 1860 and 1870.
 RAMSEY.—Part of Dakota annexed in 1874.
 RED LAKE.—Organized from part of Polk in 1897; part taken to form Pennington in 1910.
 REDWOOD.—Parts taken to form Lac qui Parle and Lyon in 1871 and Yellow Medicine in 1872.

RENVILLE.—Part annexed to Meeker in 1871.
 ROSEAU.—Organized from part of Kittson in 1895.
 STEVENS.—Organized from part of Pierce between 1860 and 1870.
 SWIFT.—Organized from part of Pierce between 1860 and 1870; parts of Chippewa and old Lac qui Parle annexed in 1870.
 TRAVERSE.—Part annexed to Big Stone in 1876.
 WILKIN.—Name changed from Toombs to Andy Johnson and from Andy Johnson to Wilkin in 1863; Breckenridge annexed in 1868; part annexed to Otter Tail between 1870 and 1880.
 YELLOW MEDICINE.—Organized from part of Redwood in 1872.

² No returns.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. II, Table I, p. 984. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Aitkin County.....	15,043	10,371	6,743	Aitkin County—Continued.			
Aitkin township.....	761	717	650	Malmø township.....	252	201	151
Aitkin village.....	1,490	1,638	1,719	Millward township.....	286	120	70
Bain township ¹ (T. 50, R. 26).....	156	38	17	Morrison township.....	279	202	242
Ball Bluff township.....	259	192	135	Nordland township.....	518	497	513
Balsam township.....	70	71	8	Pegaduna township.....	195	13	11
Beaver township.....	305	188	123	Pliny township.....	253	117	24
Clark township.....	375	277	64	Rice River township.....	341	155	99
Cornish township.....	158	77	4	Salo township.....	472	230	65
Davidson township.....	114	51	73	Seavey township.....	178	162	107
Dick township.....	86	59	3	Shamrock township.....	134	66	115
Esquagannah township.....	33	37	27	Shovel Lake township ¹ (T. 52, R. 27).....	58		
Farm Island township.....	487	460	404	Spalding township.....	341	156	43
Fleming township.....	214	167	85	Spencer township.....	480	480	315
Glen township.....	313	221	160	Turner township ¹ (T. 50, R. 23).....	47	22	14
Haugen township.....	253	235	11	Verdon township.....	152	91	31
Hazelton township.....	265	265	206	Wagner township.....	335	242	38
Hebron township.....	126	70		Waukena township.....	260	117	37
Hill Lake township ¹ (T. 52, R. 26), including Hill City village.....	1,232	378	27	Wealthwood township.....	136	79	
Idun township.....	237	170	99	White Elk township ¹ (T. 50, R. 27).....	23	23	13
Jevne township.....	302	173	55	Williams township.....	234	135	23
Jewett township.....	126	81	19	Workman township.....	300	170	33
Kimberly township.....	309	227	208	Township 45, range 23.....	108	148	15
Lakeside township.....	314	247	184	Fractional township 48, range 27.....	19	13	15
Lee township.....	190	115	38	Township 51, range 22.....	19	13	
Lemay township ¹ (T. 51, R. 27).....	55	44	16	Township 51, range 25.....	39	18	3
Libby township.....	98	142	50	Township 52, range 22.....	28	24	
Logan township.....	472	298	184	Township 52, range 24.....	81	10	
McGregor township, including McGregor village.....	360	226	161				
Macville township.....	273	187	46				

¹ AITKIN.—Bain, Lemay, Turner, and White Elk townships organized from unorganized territory, and Shovel Lake township organized from part of Hill Lake township, since 1910.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Anoka County	15,628	12,493	11,313	Beltrami County—Continued.			
Anoka city.....	4,287	3,972	3,709	Hamre township.....	191	118	.....
Anoka township.....	548	422	382	Hornet township.....	383	143	52
Bethel township.....	682	617	617	Jones township.....	219	116	97
Bethel village.....	205	221	.....	Kell township* (T. 157, R. 31).....	77	24	.....
Blaine township.....	550	413	374	Kellier township.....	211	13	.....
Burns township.....	974	926	920	Kellier village.....	514	294	.....
Centerville township ¹	740	1,028	1,175	Kong township* (T. 155, R. 30).....	61	4	8
Centerville village ²	209	.....	.....	Lakewood township.....	172	83	11
Columbia Heights village.....	2,988	590	123	Lammers township, including Solway village.....	360	260	268
Columbus township.....	593	585	484	Langor township.....	159	154	150
Fridley township.....	533	523	443	Lee township.....	212	134	.....
Grow township.....	626	614	721	Liberty township.....	325	235	165
Ham Lake township.....	524	552	505	McDougald township.....	531	239	.....
Liuwood township.....	338	303	333	Maple Ridge township.....	178	178	33
Oak Grove township.....	615	607	494	Meadowland township* (T. 158, R. 33).....	89	2	.....
Ramsey township.....	609	601	490	Minnie township.....	142	108	.....
St. Francis township.....	589	510	483	Moose Lake township.....	176	96	45
				Myhre township* (T. 161, R. 34).....	242	100	.....
Becker County	22,851	18,840	14,375	Nebish township.....	413	134	119
Atlanta township.....	416	393	510	Norris township* (T. 159, R. 35).....	56	12	.....
Audubon township.....	654	676	684	Northern township.....	324	205	114
Audubon village.....	314	300	340	Northwood township* (T. 157, R. 38).....	91	55	.....
Burlington township.....	473	400	398	Obrien township* (T. 150, R. 32).....	66	47	23
Callaway township.....	494	362	.....	Pioneer township* (T. 157, R. 32).....	46	1	.....
Callaway village.....	325	276	.....	Port Hope township*.....	235	162	111
Carsonville township.....	427	235	202	Potamo township* (T. 160, R. 33).....	133	.....	.....
Cormorant township.....	427	570	554	Prosper township* (T. 163, R. 33).....	91	35	21
Cuba township.....	487	485	524	Quiring township.....	134	161	17
Detroit city.....	3,426	2,807	.....	Rapid River township* (T. 159, R. 30).....	81	37	.....
Detroit township.....	714	601	.....	Red Lake township* (T. 155, R. 31).....	117	25	.....
Erle township.....	375	277	207	Redby village.....	93	92	42
Evergreen township.....	493	335	337	Roosevelt township.....	308	227	.....
Frazee village.....	1,277	1,645	1,000	Rullen township* (T. 159, R. 32).....	10	11	.....
Grand Park township.....	172	132	104	Shooks township* (T. 151, R. 30).....	147	53	2
Grand Valley township.....	550	284	223	Shotley township.....	287	205	3
Hamden township.....	498	447	532	Spooner township.....	186	133	.....
Height of Land township.....	473	283	300	Spooner village.....	571	688	.....
Holmesville township.....	432	341	304	Spruce Grove township.....	199	83	.....
Lake Eunice township.....	732	703	713	Steenerson township.....	103	69	.....
Lake Park township.....	682	648	670	Sugar Bush township* (T. 147, R. 31).....	78	27	6
Lake Park village.....	700	740	570	Summit township.....	233	109	68
Lakeview township.....	513	534	477	Swiftwater township* (T. 158, R. 31).....	122	51	.....
Ogema village.....	238	171	.....	Taylor township.....	208	179	.....
Osage township.....	490	336	408	Ten Lake township* (T. 146, R. 31).....	268	121	.....
Pine Point township* (T. 141, R. 37).....	521	.....	.....	Tenstrike Center village.....	235	250	.....
Riceville township* (T. 141, R. 42).....	260	130	.....	Turtle Lake township.....	178	134	177
Richwood township.....	766	699	616	Turtle River township.....	187	127	100
Rudeberg township.....	565	302	404	Turtle River village.....	74	108	.....
Savannah township.....	181	178	.....	Wabania township.....	205	214	21
Shell Lake township.....	253	187	238	Waskish township* (T. 154, R. 30).....	175	85	.....
Silver Leaf township.....	390	324	397	Waskish township* (T. 154, R. 30).....	164	82	8
Spring Creek township* (T. 142, R. 42).....	201	74	.....	Wheeler township* (T. 162, R. 32).....	108	58	4
Spruce Grove township.....	507	413	416	Wilton village.....	176	215	.....
Toad Lake to wnship.....	332	345	260	Winler township* (T. 158, R. 37).....	30	.....	.....
Two Inlets township.....	206	181	207	Woodrow township* (T. 152, R. 31).....	242	.....	.....
Walworth township.....	436	376	500	Yale township* (T. 155, R. 36).....	49	.....	.....
White Earth township.....	1,118	830	.....	Zippel township.....	111	72	6
Wolf Lake township.....	468	329	151	Township 155, range 33.....	1	.....	.....
White Earth Indian Reservation* (part of) (T. 141, Rs. 33, 39, 40, T. 142, Rs. 37, 38, 39, 40).....	724	353	.....	Township 155, range 35.....	28	7	.....
				Township 155, range 36.....	8	2	.....
Beltrami County	27,079	19,337	11,030	Township 156, range 30.....	.....	2	.....
Alaska township.....	184	85	29	Township 156, range 34.....	59	2	.....
Angle township.....	107	.....	.....	Township 156, range 35.....	20	.....	.....
Battle township* (part of T. 152, R. 32).....	142	348	21	Township 157, range 30.....	31	.....	.....
Baudette township.....	138	73	36	Township 157, range 32.....	11	.....	.....
Baudette village.....	960	897	.....	Township 157, range 34.....	10	.....	.....
Beaver Dam township* (T. 159, R. 36).....	85	5	.....	Township 157, range 36.....	8	.....	.....
Bemidji city.....	7,086	5,099	2,183	Township 157, range 37.....	1	.....	.....
Bemidji township.....	457	383	295	Township 158, range 30.....	49	20	.....
Benville township.....	393	276	.....	Township 158, range 32.....	74	.....	.....
Big Grass township* (T. 153, R. 38).....	108	9	.....	Township 158, range 34.....	53	.....	.....
Birch township.....	108	82	4	Township 158, range 35.....	1	.....	.....
Birch Island township* (T. 155, R. 32).....	62	4	.....	Township 159, range 33.....	41	5	.....
Blackduck township.....	410	232	121	Township 159, range 34.....	68	13	.....
Blackduck village.....	788	942	.....	Township 160, range 35.....	99	8	.....
Boone township* (T. 159, R. 31).....	58	25	.....	Township 160, range 38.....	112	10	.....
Brook Lake township* (T. 146, R. 30).....	205	47	.....	American Island (T. 168, Rs. 33 and 34).....	11	.....	.....
Buzzle township.....	386	354	172	Brush Island (T. 168, R. 33).....	3	.....	.....
Chilgren township.....	126	73	.....	Cornfield Island (T. 168, R. 34).....	1	.....	.....
Cormant township.....	239	249	21	Flag Island (Trs. 167 and 168, R. 33).....	5	.....	.....
Durand township.....	184	112	.....	Oak Island (T. 167, Rs. 32 and 33).....	20	14	.....
Eckles township.....	275	278	245	Red Lake Indian Reservation* (part of).....	1,603	1,228	1,450
Eland township.....	88	66	.....			
Eugene township* (T. 160, R. 34).....	135	7	.....			
Frohn township.....	370	300	207				
Funkley village.....	50	59	.....			
Grant Valley township.....	414	281	232				
Gudrid township.....	115	148	69				
Hagall township.....	204	105	72				

¹ ANOKA.—Centerville village incorporated from part of Centerville townships since 1910.

² BECKER.—Total for 1900 includes population (2,060) of Detroit village, taken to form Detroit city and Detroit township between 1900 and 1910. Pine Point, Riceville, and Spring Creek townships organized from unorganized territory since 1910. White Earth Indian Reservation returned as located in Becker and Mahanomen Counties in 1920, and as in Becker, Clearwater, and Mahanomen Counties in 1910; not returned by counties in 1900. Total population: 1,149 in 1920; 813 in 1910; 3,486 in 1900.

* BELTRAMI.—Total for 1910 includes population of Farley, Island Lake, and Nymore villages (918), annexed to Port Hope township, Red Lake Indian Reservation, and Bemidji city, respectively, since 1910; and of North West Angle (north and west of Lake of the Woods—27), taken to form Angle township since 1910. Total for 1900 includes population of territory taken to form Clearwater County (4,131) between 1900 and 1910; of part of Chipewyan Indian Reservation (63), opened to settlement between 1900 and 1910; and of Garden Island (12), for which no population has since been reported. Beaver Dam, Big Grass, Birch Island, Boone, Brook Lake, Eugene, Kell, Kong, Meadowland, Myhre, Norris, Northwood, Obrien, Pioneer, Potamo, Prosper, Rapid River, Red Lake, Rullen, Shooks, Sugar Bush, Swiftwater, Ten Lake, Waskish, Wheeler, Winner, and Yale townships organized from unorganized territory since 1910. Woodrow township organized from part of Battle township since 1910. No population was reported in 1920 for township 156, range 34. Township 155, range 34, and township 156, ranges 31, 32, and 33, and Massacre Island (township 166, range 33), for which no population was reported at the census of 1920 and for which no returns were made at the censuses of 1910 and 1900, are not shown in this table. Red Lake Indian Reservation returned as located in Beltrami and Clearwater Counties in 1920 and 1910 and as in Beltrami County only in 1900; total population: 1,862 in 1920; 1,429 in 1910; 1,450 in 1900.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Benton County	14, 073	11, 615	9, 912	Brown County—Continued.			
Alberta township.....	1, 140	982	784	Prairieville township.....	621	569	773
Foley village.....	837	710	172	Sigel township.....	620	645	655
Gilmanton township.....	1, 141	1, 033	1, 110	Sleepy Eye city.....	2, 449	2, 247	2, 046
Glendora township.....	789	716	644	Springfield village.....	1, 840	1, 482	1, 511
Graham township.....	683	590	474	Stark township.....	586	580	604
Granite Ledge township.....	565	262	279	Stately township.....	602	514	395
Langola township.....	448	495	507				
Mayhew Lake township.....	818	904	877	Carlton County	19, 391	7 17, 559	7 10, 017
Maywood township.....	1, 040	838	669	Atkinson township.....	509	275	239
Minden township.....	610	503	537	Automba township ⁷ (T. 47, R. 21).....	400		
Rice village.....	315	262	232	Barnum township.....	733	486	403
Ronneby village.....	76	132	155	Barnum village.....	242	262	391
St. Cloud city ⁸ (wards 5 and 6).....	1, 733	1, 180	913	Besemann township.....	242	115	
St. George township.....	841	728	750	Blackhoof township.....	533	323	
Sauk Rapids township, including part of Sartell village ⁹	400	267	191	Carlton village.....	700	597	449
Sauk Rapids village.....	2, 349	1, 745	1, 391	Clear Creek township ⁷ (T. 46, R. 17).....	174		
Watab township.....	273	268	226	Cloquet city.....	5, 127	7, 031	3, 072
				Corona township ⁷ (part of T. 48, R. 19).....	184		
Big Stone County	9, 766	9, 367	8, 731	Cromwell village.....	164	143	
Akron township.....	581	558	695	Eagle township.....	682	349	
Almond township.....	454	446	512	Holyoke township ⁷	299	221	
Artichoke township.....	487	462	524	Kalavala township ⁷	643	558	333
Beardsley village.....	507	481	449	Knife Falls township ⁷	1, 437	486	760
Big Stone township.....	409	371	374	Lakeview township.....	518	263	
Browns Valley township.....	439	452	320	Mahtova township ⁷	431	440	320
Clinton village.....	512	384	346	Moose Lake township ⁷	536	811	567
Correll village.....	176	102		Moose Lake village.....	571	526	354
Graceville township.....	267	266	341	Parch Lake township ⁷ (T. 49, R. 18).....	206		
Graceville village.....	1, 022	987	856	Progress township ⁷ (T. 49, R. 19).....	126		
Johnson village.....	100	192		Red Clover township ⁷	230	150	391
Malta township.....	305	293	355	Scanlon village.....	383	572	
Moonsline township.....	284	192	330	Silver township ⁷ (T. 46, R. 20).....	804		
Odessa township.....	423	454	452	Silver Brook township ⁷ (S. 4 T. 48, R. 16).....	478		
Odessa village.....	271	235	204	Skelton township.....	300	166	
Ortonville city ⁸ (part of).....	1, 716	1, 716	1, 191	Split Rock township ⁷	362	476	385
Ortonville township.....	158	168	176	Thomson township.....	1, 463	1, 126	498
Otrey township.....	353	345	379	Thomson village.....	103	169	207
Prior township.....	909	843	795	Twin Lakes township.....	446	304	1, 191
Toqua township, including Barry village.....	303	420	432	Wrenshall township ⁷	275	755	
Blue Earth County	31, 477	29, 337	32, 263	Carver County	16, 946	17, 455	17, 544
Amboy village.....	527	435	432	Benton township.....	1, 158	1, 194	1, 191
Beauford township.....	651	646	706	Benton village.....	46	42	52
Butternut Valley township.....	612	611	661	Camden township, including Motordale village.....	1, 345	1, 323	1, 533
Cambria township.....	394	328	303	Carver township, coextensive with Carver village.....	504	571	583
Ceresco township.....	508	599	588	Chanhassen township ⁸	1, 194	1, 368	1, 219
Danville township.....	631	632	631	Chanhassen village.....	129	164	175
Decoria township.....	719	702	994	Chaska city.....	1, 066	2, 050	2, 165
Eagle Lake village.....	231	231		Chaska township.....	173	166	169
Garden City township.....	828	751	918	Cologne village.....	383	390	238
Good Thunder village.....	464	419	505	Dahlgren township.....	973	1, 051	1, 117
Jamestown township.....	408	435	458	Hancock township.....	451	486	550
Judson township.....	781	712	695	Hollywood township.....	1, 075	1, 154	1, 243
Lake Crystal village.....	1, 204	1, 055	1, 215	Laketown township ⁸	952	1, 180	1, 109
Le Ray township.....	738	849	1, 437	Mayer village.....	144	161	
Lime township.....	480	544	550	Norwood village.....	533	522	500
Lincoln township.....	467	471	586	San Francisco township.....	504	564	610
Lyra township.....	615	665	794	Victoria village ⁸	206		
McPherson township.....	552	616	1, 114	Waconia township.....	660	982	1, 191
Madison Lake village.....	359	335	355	Waconia village.....	901	817	728
Mankato city.....	12, 469	10, 365	10, 599	Watertown township.....	1, 191	1, 267	1, 161
Mankato township.....	1, 207	1, 220	1, 367	Watertown village.....	534	465	490
Mapleton township.....	485	450	543	Young America township, including Hamburg village.....	1, 259	1, 235	1, 202
Mapleton village.....	857	809	1, 008	Young America village.....	335	303	318
Medo township.....	642	600	773				
Pleasant Mound township.....	653	699	730	Cass County	15, 897	9 11, 620	9 7, 777
Rapidan township.....	977	1, 118	1, 075	Ansel township.....	108	65	82
St. Clair village.....	260	323		Barclay township ⁹ (W. 4 T. 138, R. 29).....	348		
Shelby township.....	706	676	819	Becker township.....	276	241	246
South Bend township.....	517	508	620	Bena village.....	205	179	
Sterling township.....	559	556	663	Bentley township ⁹ (T. 139, R. 25).....	49	71	17
Vernon Center township.....	560	568	712	Birch Lake township ⁹ (T. 140, R. 30), including Hackensack village.....	456	245	152
Vernon Center village.....	283	289	311	Blind Lake township ⁹ (T. 139, R. 28).....	82		
				Boy Lake township ⁹ (T. 142, R. 28).....	190		
Brown County	22, 421	20, 134	19, 787	Boy River township ⁹ (T. 143, R. 27).....	262		
Albin township.....	679	662	620	Bull Moose township ⁹ (T. 138, R. 31).....	143	23	11
Bashaw township.....	572	585	715	Bungo township.....	162	115	102
Burnstown township.....	631	596	591	Byron township.....	291	250	328
Cobden village.....	108	87		Cass Lake village.....	2, 109	2, 011	546
Comfrey village.....	583	238		Crooked Lake township ⁹ (T. 139, R. 26).....	52		
Cottonwood township.....	634	697	694				
Eden township.....	738	709	771				
Evan village.....	123	112					
Hanska village.....	412	310					
Home township.....	885	889	953				
Lake Hanska township.....	707	692	942				
Leavenworth township.....	570	546	578				
Linden township.....	683	691	753				
Milford township.....	637	673	713				
Mulligan township.....	523	480	507				
New Ulm city.....	6, 745	5, 648	5, 403				
North Star township.....	505	502	524				

⁷ BENTON.—For total population of St. Cloud city and Sartell village, see Table 3.

⁸ BIG STONE.—For total population of Ortonville city, see Table 3.

⁷ CARLTON.—Total for 1910 includes population (955) of township 49, range 18, of parts of township 48, ranges 17, 18, and 19, and of parts of township 49, ranges 17 and 19, not returned separately in that year, organized since 1910. Total for 1900 includes population of Fond du Lac Indian Reservation (367), opened for settlement between 1900 and 1910. Automba township organized from part of Kalavala, Clear Creek from part of Holyoke, Corona from part of Mahtova, Parch Lake from unorganized territory, Progress from unorganized territory and part of Red Clover township, Silver from parts of Moose Lake and Split Rock, and Silver Brook from part of Wrenshall, since 1910. Part of township 49, range 17, annexed to Knife Falls township since 1910.

⁸ CARVER.—Victoria village incorporated from parts of Chanhassen and Laketown townships since 1910.

⁹ CASS.—For footnote, see following page.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Cass County—Continued.				Chisago County			
Deerfield township.....	109	75	44	Amador township.....	752	656	595
Federal Dam village ^a	332			Branch township.....	632	643	.....
Gould township ^a (T. 143, R. 28).....	177	151	41	Center City village.....	235	252	.....
Hiram township.....	149	78	34	Chisago City village.....	422	276	.....
Home Brook township.....	309	211	231	Chisago Lake township.....	1,632	1,589	1,728
Inquadona township ^a (T. 141, R. 27).....	150	52	5	Fish Lake township.....	961	1,032	1,104
Kego township ^a (T. 141, R. 28).....	230	99		Franconia township.....	775	829	941
Leech Lake township ^a (T. 143, R. 31 and part of T. 143, R. 30).....	215	85		Harris village.....	672	673	710
Lima township ^a (T. 141, R. 25).....	108	95	2	Lent township.....	674	603	453
Loon Lake township.....	210	134	100	Lindstrom village.....	523	522	385
McKinley township.....	252	121	126	Nessel township.....	1,103	1,131	1,288
Maple township.....	367	257	183	North Branch village.....	742	642	1,211
May township.....	716	532	541	Rush City village.....	971	964	987
Meadow Brook township.....	183	159	206	Rushseba township.....	792	658	773
Moose Lake township.....	145	123	98	Shafer township.....	927	862	896
Pike Bay township ^a (T. 145, R. 31).....	245			Sunrise township.....	1,019	939	890
Pillager village.....	354	216		Taylor's Falls village.....	570	454	535
Pine Lake township ^a (T. 141, R. 29).....	121	64		Wyoming township.....	710	605	752
Pine River township ^a (T. 138, R. 30).....	373	380	150	Wyoming village.....	253	207	.....
Pine River village.....	442	320					
Ponto Lake township.....	136	93	72	Clay County			
Poplar township.....	273	240	248	Alliance township.....	465	453	401
Powers township, including Backus village.....	477	370	35	Barnesville city.....	1,584	1,353	1,326
Remer township ^a	191	141	4	Barnesville township.....	241	201	276
Remer village ^a	290			Cromwell township.....	413	428	376
Rogers township ^a (T. 142, R. 27).....	125	77	5	Dilworth village ¹¹	882		
Salem township ^a (T. 143, R. 26).....	170	26	15	Egion township.....	599	534	659
Shingobee township ^a (Tps. 141 and 142, R. 31).....	761	126	72	Elkton township.....	322	375	269
Slater township ^a (T. 142, R. 26).....	173	94	7	Elmwood township.....	530	592	520
Smoky Hollow township.....	129	140	13	Felton township.....	216	164	355
Sylvan township ^a (parts of T. 133, Rs. 29 and 30).....	390	292	429	Felton village.....	184	149	
Thunder Lake township ^a (T. 140, R. 26).....	70	88	2	Flowing township.....	107	115	200
Trellipe township ^a (Tps. 139 and 140, R. 27).....	97	7	1	Georgetown township.....	268	278	600
Turtle Lake township ^a (Tps. 141 and 142, R. 30).....	198	91	12	Georgetown village.....	136	132	
Wabedo township ^a (T. 140, R. 28).....	73	96	14	Glyndon township.....	341	400	243
Wahkena township.....	46	153	62	Glyndon village.....	332	295	250
Walden township ^a (T. 137, R. 30).....	360	347	383	Goose Prairie township ¹¹	496	602	474
Walker village.....	785	917	500	Hagen township.....	234	242	376
Wilkinson township ^a (T. 144, R. 31).....	237	17		Hawley township.....	424	400	373
Wilson township ^a (W. & T. 137, R. 29).....	273			Hawley village.....	939	809	536
Woodrow township ^a (T. 140, R. 29).....	111			Highland Grove township ¹¹	692	629	724
W. & township 134, range 29.....	119	53		Hitterdal village ¹¹	204	515	426
Township 134, range 30.....	138	81	128	Holy Cross township.....	501	335	303
Township 142, range 25.....	12	7	37	Humboldt township.....	327	326	359
Township 143, range 30 (part of).....	2			Keene township.....	346	414	432
Township 144, range 26.....	112	20	18	Kragens township.....	322	270	268
Township 144, range 27.....	17			Kurtz township.....	400	375	388
Township 144, range 28.....	11	107	61	Moland township.....	5,720	4,340	3,730
Township 144, range 29.....	47			Moorhead city.....	221	802	226
Township 144, range 30.....	15			Moorhead township ¹¹	304	256	327
Township 145, range 27.....	2			Morken township.....	308	281	276
Township 145, range 28.....	1			Oakport township.....	571	616	676
Township 145, range 29.....	72			Parke township.....	235	196	238
Township 145, range 30.....	22			Riverton township.....	338	344	449
Township 146, range 27.....	20			Skree township.....	264	261	233
Township 146, range 29 (part of).....	22			Spring Prairie township.....	574	599	616
				Tansum township.....	383	392	447
Chippewa County				Ulen township.....	590	438	317
Big Bend township.....	709	667	622	Ulen village.....	175	129	224
Clara City village.....	750	537	465				
Crate township.....	499	440	510	Clearwater County			
Grace township.....	393	314	394		8,569	12,670	.....
Granite Falls city ¹² (part of).....	360	375	295	Bagley village.....	814	801	.....
Granite Falls township.....	512	451	636	Bear Creek township.....	228	215	.....
Havelock township.....	527	482	500	Clearbrook village ¹²	310		.....
Kragers township.....	548	635	637	Clover township ¹² (part of T. 150, R. 38).....	91	41	.....
Leenthrop township.....	568	578	613	Copley township.....	308	318	.....
Lone Tree township.....	508	466	504	Dudley township.....	384	273	.....
Louriston township.....	454	452	646	Eddy township.....	671	580	.....
Mand t township.....	639	386	245	Falk township ¹² (Tps. 143, 144, 145, and 146, R. 38).....	197		.....
Maynard village.....	536	468	366	Gonvick village ¹²	270		.....
Milan village.....	590			Greenwood township.....	223	175	.....
Montevideo city.....	4,419	3,056	2,146	Hangaard township.....	98	110	.....
Rhelderland township.....	480	499	492	Holst township.....	448	390	.....
Rosewood township.....	532	579	631	Itasca township, including Mallard village.....	260	213	.....
Sparta township.....	933	919	820	Leon township ¹²	597	547	.....
Stoneham township.....	436	447	520	Minerva township.....	168	114	.....
Tunberg township.....	524	571	559	Moose Creek township.....	227	162	.....
Watson village.....	215	152	167	Nora township.....	354	297	.....
Woods township.....	407	334	300	Pine Lake township ¹²	641	645	.....

^a CASS.—Totals for 1910 and 1900 include population of part of Chippewa Indian Reservation (1,011 in 1910; 1,139 in 1900) and of Leech Lake Indian Reservation (865 in 1910; 1,001 in 1900), lands allotted to Indians since 1910. Total for 1900 also includes population of Lothrop village (38), returned as incorporated in 1900; and of White Oak Point Indian Reservation (241), opened to settlement between 1900 and 1910. Barclay township organized from part of Pine River township, Blind Lake from part of Wabedo, Boy River from part of Gould, Crooked Lake from part of Beulah, Wilson from part of Walden, and Woodrow from part of Birch Lake, since 1910. Federal Dam village and Boy Lake, Bull Moose, Inquadona, Kego, Leech Lake, Lima, Pike Bay, Pine Lake, Rogers, Salem, Shingobee, Slater, Sylvan, Turtle Lake, and Wilkinson townships organized from unorganized territory since 1910. Trellipe township organized from part of Thunder Lake (name changed from Island Lake) and unorganized territory since 1910. Remer village incorporated from part of Remer township since 1910. Townships 143, range 29, 145, range 26, and Bear Island, for which no population was reported at the census of 1920 and for which no returns were made at the censuses of 1910 and 1900, are not shown in this table.

¹² CHIPPEWA.—For total population of Granite Falls city, see Table 3.

¹¹ CLAY.—Dilworth village incorporated from part of Moorhead township, and Hitterdal village from parts of Goose Prairie and Highland Grove townships, since 1910.

¹² CLEARWATER.—Total for 1910 includes population (74) of part of White Earth Indian Reservation, returned in 1920 as located wholly in Becker and Mahanomen Counties. Clearbrook village incorporated from part of Leon township, and Gonvick village from part of Pine Lake township, since 1910. Clover township organized from unorganized territory, and Falk township from part of White Earth Indian Reservation, since 1910. For total population of Red Lake Indian Reservation, see footnote for Beltrami County.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 961. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Clearwater County—Continued.				Crow Wing County—Continued.			
Winsor township.....	434	386	.....	Smiley township.....	129	63	110
Township 143, range 30.....	13	42	.....	Timothy township ¹⁴ (T. 138, R. 28, and E. $\frac{1}{2}$ T. 138, R. 29).....	188	134	24
Township 143, range 37.....	14	43	.....	Trommald village ¹⁴	301	.....	.....
Red Lake Indian Reservation ¹² (part of).....	259	201	.....	Watertown township.....	100	131	148
				Wolford township ¹⁴ (frac. T. 47, Rs. 29 and 30).....	155	.....	.....
				Fractional township 134, range 27.....	15	11	.....
				Township 134, range 28.....	180	185	255
				E. $\frac{1}{2}$ township 134, range 29.....	98	70	123
				Fractional township 135, range 27.....	108	127	86
Cook County.....	1,841	1,336	1,810	Dakota County.....	28,967	25,171	21,733
Colvill township.....	125	122	.....	Burnsville township.....	419	385	358
Grand Marais township.....	127	95	308	Castle Rock township.....	691	632	681
Grand Marais village.....	443	355	.....	Douglas township.....	581	616	601
Hoviand township.....	164	130	72	Egan township.....	857	899	898
Lutsen township.....	125	75	.....	Empire township.....	646	456	467
Maple Hill township.....	190	150	126	Eureka township.....	712	720	839
Rosebush township.....	182	125	.....	Farmington village.....	1,449	1,024	733
Schroeder township.....	118	64	.....	Greenvale township.....	620	591	746
Tofte township.....	108	121	170	Hampton township.....	578	625	604
Fractional township 63, R. 6 E.....	149	85	4	Hampton village.....	240	190	196
Fractional township 64, R. 5 E.....	112	12	10	Hastings city.....	4,571	3,983	3,811
Fractional township 64, R. 6 E.....	(18)	(18)	2	Invergrove township.....	1,210	1,184	1,402
Fractional township 64, R. 7 E.....	(18)	2	3	Invergrove village.....	363	200	.....
				Lakeville township.....	744	841	805
				Lakeville village.....	474	385	373
				Lebanon township.....	361	292	286
				Marshall township.....	495	469	494
				Mendota township.....	757	823	813
				Mendota village.....	193	245	282
				New Trier village.....	122	144	126
				Nininger township.....	256	242	309
				Randolph township.....	138	214	292
				Randolph village.....	170	182	.....
				Ravenna township.....	258	314	259
				Rosemount township.....	599	662	625
				Rosemount village.....	310	238	182
				Sciota township.....	246	254	247
				South St. Paul city.....	6,800	4,510	2,322
				Vermilion township, including Vermilion vil- lage.....	791	909	830
				Waterford township.....	288	282	322
				West St. Paul city.....	2,962	2,660	1,830
Cottonwood County.....	14,570	12,651	12,069	Dodge County.....	12,552	12,094	13,340
Amboy township.....	515	497	489	Ashland township.....	544	580	671
Amo township.....	444	305	385	Canistota township.....	709	726	880
Ann township.....	520	433	600	Claremont township.....	535	576	668
Bingham Lake village.....	273	285	311	Claremont village.....	334	275	317
Carson township.....	780	672	623	Concord township.....	777	861	939
Dale township.....	572	483	455	Dodge Center village.....	921	957	942
Delton township.....	430	371	360	Ellington township.....	606	646	654
German township.....	589	522	512	Hayfield township.....	617	586	665
Great Bend township.....	498	444	435	Hayfield village.....	799	586	439
Highwater township.....	685	591	627	Kasson village.....	1,150	932	1,112
Jeders village.....	393	227	302	Mantorville township.....	665	653	599
Lakeside township.....	420	440	427	Mantorville village.....	381	410	602
Midway township.....	653	658	607	Milton township.....	1,036	975	1,095
Mountain Lake township.....	678	512	561	Ripley township.....	413	395	456
Mountain Lake village.....	1,309	1,081	959	Vernon township.....	835	848	939
Rose Hill township.....	539	510	535	Wastota township.....	907	855	1,053
Salma township.....	560	530	427	West Concord village.....	704	584	635
Southbrook township.....	368	303	350	Westfield township.....	619	649	696
Springfield township.....	336	332	381				
Storden township.....	315	659	548				
Westbrook township.....	607	576	688				
Westbrook village.....	654	429	.....			
Windom village.....	2,123	1,749	1,944				
Crow Wing County.....	24,566	16,861	14,250	Douglas County.....	19,039	17,669	17,964
Allen township.....	69	71	32	Alexandria city.....	3,388	3,001	2,681
Baxter township.....	100	98	104	Alexandria township.....	796	678	672
Bay Lake township.....	238	228	255	Belle River township.....	706	719	892
Brainerd city ¹⁴	9,691	8,626	7,524	Brandon township.....	619	632	675
Crosby village ¹⁴	3,500	.....	.....	Brandon village.....	292	276	272
Crow Wing township.....	326	331	291	Carlos township.....	635	557	597
Cuyuna village ¹⁴	417	.....	.....	Carlos village.....	208	167	.....
Daggett Brook township.....	306	238	477	Evansville township.....	479	474	589
Dean Lake township.....	139	117	100	Evansville village.....	427	389	483
Deerwood township.....	455	456	493	Forada village.....	92	66	.....
Deerwood village.....	532	586	.....	Garfield village.....	176	160	.....
Emily township.....	183	207	70	Holmes City township.....	740	682	761
Fairfield township.....	81	81	66	Hudson township.....	528	492	561
Fort Ripley township.....	289	310	352	Ida township.....	719	729	910
Garrison township.....	363	279	301	Kensington village.....	252	244	207
Ideal township.....	137	154	150	La Grand township.....	886	850	859
Irontale township ¹⁴ (T. 46, R. 29, and part of frac. T. 46, R. 30), including Riverton village ¹⁴	1,013	434	275	Lake Mary township.....	593	610	709
Jenkins township, including Jenkins village.....	1,165	.....	.....	Leaf Valley township.....	704	674	672
Lake Edwards township.....	247	257	164	Lund township.....	614	634	687
Little Pine township.....	310	216	181	Millerville township.....	573	552	690
Long Lake township.....	108	97	8	Millerville village.....	152	150	.....
Manganese village ¹⁴	562	565	524	Miltna township.....	590	417	899
Maple Grove township.....	183	.....	.....	Moe township.....	712	689	763
Mission township ¹⁴ (frac. T. 136, R. 27).....	248	185	268	Nelson village.....	159	157	.....
Nokoy Lake township.....	175	144	108	Orange township.....	438	418	456
Oak Lawn township ¹⁴	280	315	329	Osakis township.....	686	623	703
Pellcan township.....	423	422	344	Osakis village (part of).....	1,140	924	815
Perry Lake township.....	153	130	88	Solem township.....	536	590	622
Platte Lake township.....	98	111	88	Spruce Hill township.....	694	602	673
Rabbit Lake township.....	97	56	.....	Urnese township.....	575	513	616
Roosevelt township.....	280	627	240				
Ross Lake township.....	98	76	.....			
St. Mathias township.....	75	111	40				
St. Mathias township.....	420	337	439				
Sibley township, including Pequot village.....	621	375	192				

¹² CLEARWATER.—For footnote, see preceding page.

¹³ COOK.—Total for 1900 includes population (108) of Grand Portage (Pigeon River) Indian Reservation, opened to settlement between 1900 and 1910. Fractional township 64, range 6 east, was not returned separately in 1920 and had no population reported in 1910. Fractional township 64, range 7 east, not returned separately in 1920.

¹⁴ CROW WING.—Part of Oak Lawn township annexed to Brainerd city since 1910. Crosby, Cuyuna, Ironton, and Riverton villages incorporated, and Wolford township organized, from parts of old Klondyke township since 1910. Name of Irontale township changed from Klondyke since 1910. Manganese village incorporated from part of Wolford township, and Trommald village from parts of old Klondyke and Wolford townships, since 1910. Mission and Timothy townships organized from unorganized territory since 1910.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 904. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Faribault County.	20,998	19,949	22,055	Goodhue County.	30,799	31,637	31,137
Barber township.	519	529	570	Belle Creek township.	710	794	928
Blue Earth city.	2,568	2,319	2,900	Belvidere township.	828	753	888
Blue Earth City township.	572	673	643	Burnside township.	505	550	610
Brush Creek township.	651	651	746	Cannon Falls city.	1,315	1,285	1,285
Clark township, including Wells village.	2,404	2,303	2,711	Cannon Falls township.	810	725	822
Delavan township, including Delavan village.	881	852	934	Central Point township.	133	159	147
Dunbar township.	573	584	657	Cherry Grove township.	801	817	855
Elmore township, including Elmore village.	1,425	1,413	1,588	Dennison village.	218	184	226
Emerald township.	668	679	794	Featherstone township.	651	765	846
Foster township.	503	535	747	Florence township.	718	734	824
Jo. Daviess township.	647	593	551	Goodhue township.	888	998	1,046
Kiester township, including Kiester village.	936	931	806	Goodhue village.	398	408	241
Lura township, including Easton village.	818	769	802	Hay Creek township.	669	773	858
Minnesota Lake township, including Minnesota Lake village.	930	918	1,077	Holden township.	856	939	910
Pilot Grove township.	557	487	544	Kenyon township.	746	746	808
Prescott township.	556	579	624	Kenyon village.	1,262	1,237	1,202
Rome township, including Frost village.	829	827	780	Leon township.	877	840	1,089
Seely township, including Bricelyn village.	1,256	1,039	890	Minneola township ¹⁷ .	951	1,025	1,019
Verona township, ¹⁸ exclusive of part of Winnebago City village.	663	606	674	Pine Island township.	627	665	681
Walnut Lake township.	596	505	581	Pine Island village.	834	834	832
Walters village.	116	103	—	Red Wing city.	8,637	9,048	7,625
Winnebago City township, ¹⁸ exclusive of part of Winnebago City village.	506	450	524	Roscoe township.	930	909	1,012
Winnebago City village, ¹⁸ in Verona and Winnebago City townships.	1,641	1,554	1,816	Stanton township.	974	1,055	1,088
				Vasa township.	101	130	128
				Vasanta township.	883	1,087	1,157
				Wanamingo township ¹⁷ .	350	—	—
				Wanamingo village ¹⁷ .	844	917	981
				Warsaw township.	826	704	706
				Welch township.	651	773	925
				Zumbrota township.	1,265	1,188	1,119
				Zumbrota village.	—	—	—
Fillmore County.	25,330	25,680	28,238	Grant County.	9,788	9,114	8,935
Amherst township.	782	745	787	Ashby village.	388	334	279
Arendahl township.	704	720	821	Barrett village.	358	278	237
Beaver township.	532	592	651	Delaware township.	323	293	307
Bloomfield township, including Ostrander village.	820	866	984	Elbow Lake township.	400	410	473
Bristol township.	866	780	895	Elbow Lake village.	867	778	625
Canton township.	1,006	904	1,115	Elk Lake township.	511	470	476
Canton village.	305	345	312	Erdahl township.	607	670	595
Carimona township.	453	617	708	Gorton township.	249	217	318
Carroll township.	622	630	784	Herman village.	630	604	550
Chatfield city ¹⁸ (part of).	987	875	1,038	Hoffman village.	475	391	270
Chatfield township.	552	582	673	Land township.	461	479	617
Fillmore township.	662	749	874	Lawrence township.	325	281	273
Forestville township.	647	647	785	Lien township.	450	425	538
Mountain township.	528	627	675	Logan township.	297	246	214
Mountain village.	346	321	294	Maceville township.	801	286	253
Harmony township.	609	708	726	Norcross village.	195	177	—
Harmony village.	718	655	517	North Ottawa township.	296	322	321
Holt township.	662	695	777	Pelican Lake township.	468	469	506
Jordan township.	632	681	818	Pomme de Terre township.	507	458	529
Lanesboro village.	1,015	987	1,102	Roseville township.	363	351	439
Mabel village.	550	549	494	Sanford township.	495	475	506
Newburg township.	673	811	814	Stony Brook township.	549	527	609
Norway township.	821	908	988	Wendell village.	270	175	—
Peterson village.	291	266	—				
Pilot Mound township.	630	668	790				
Preble township.	606	674	728				
Preston township.	553	592	708				
Preston village.	1,227	1,193	1,278				
Rushford city.	1,142	1,011	1,082				
Rushford village.	663	686	1,064				
Spring Valley township.	653	756	900				
Spring Valley village.	1,871	1,817	1,770				
Summer township.	689	638	721				
Whalan village.	142	121	134				
Wykoff village.	482	456	495				
York township.	739	828	930				
Freeborn County.	24,692	22,282	21,838				
Albert Lea city.	8,056	6,192	4,500				
Albert Lea township.	1,315	1,202	1,138				
Alden township.	713	669	642				
Alden village.	530	544	636				
Bancroft township.	880	979	1,024				
Bath township.	911	885	894				
Carlston township.	643	668	641				
Emmons village.	297	223	179				
Freeborn township.	815	809	842				
Freeman township.	681	688	763				
Geneva township.	445	458	535				
Geneva village.	207	140	218				
Glenville village.	379	368	351				
Harland township.	686	640	654				
Harland village.	229	227	317				
Hayward township.	778	720	835				
London township.	838	769	783				
Manchester township.	847	775	780				
Mansfield township.	680	599	666				
Moscow township.	718	632	745				
Newry township.	684	713	723				
Nunda township.	665	652	725				
Oakland township.	554	608	722				
Pickeral Lake township.	720	693	798				
Rice Lake township.	667	705	747				
Shell Rock township.	724	724	980				

¹⁷ FARIBAULT.—Winnebago City village not returned by townships in 1920; total population of Verona and Winnebago City townships can not, therefore, be shown separately.

¹⁸ FILLMORE.—For total population of Chatfield city, see Table 3.

¹⁷ GOODHUE.—Wanamingo village incorporated from parts of Minneola and Wanamingo townships since 1910.

¹⁸ HENNEPIN.—Totals for 1910 and 1900 include population (966 and 750, respectively) of Crystal Lake township, taken to form Crystal village and part of Brooklyn Center village since 1910. Total for 1900 also includes population (1,537) of Richfield township, incorporated as Richfield village between 1900 and 1910. Villages incorporated since 1910: Brooklyn Center from parts of Brooklyn and Crystal Lake townships; Crystal from part of Crystal Lake township; Maple Plain from part of Independence township; Mound from part of Orono township; Rogers from part of Hassan township. Part of Greenwood township annexed to Rockford village (comprising that part of the village in Hennepin County), since 1910. St. Bonifacius village made independent of Minnetrista township since 1910. For total population of Dayton, Hanover, and Rockford villages, see Table 3.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Hennepin County—Continued.				Itasca County.....			
Osseo village.....	433	390	346	Alvewood township.....	125	95	8
Plymouth township.....	1,275	1,221	1,164	Arbo township.....	100	61	62
Richfield village ¹⁸	2,411	2,673	.....	Ardenhurst township.....	175	121	7
Robbinsdale village.....	1,369	765	520	Balsam township.....	318	195	115
Rockford village ¹⁸ (part of).....	7	.....	.....	Bass Brook township, including Cohasset village.....	685	692	241
Rogers village ¹⁸	190	.....	.....	Bass Lake township.....	143	73	56
St. Anthony township.....	134	100	93	Bearville township.....	126	130	.....
St. Bonifacius village ¹⁸	332	275	.....	Bigfork township, including Bigfork village.....	409	299	.....
St. Louis Park village.....	2,281	1,743	1,325	Blackberry township.....	223	167	68
Tonka Bay village.....	84	107	.....	Bowstring township ²⁰ (T. 147, R. 25).....	159	.....	.....
Wayzata village.....	633	492	276	Carpenter township (T. 62, Rs. 22, 23, and 24).....	200	²⁰ 235	.....
West Minneapolis village.....	3,055	3,022	1,648	Deer River township ²⁰	349	204	137
Houston County.....				Deer River village.....	1,044	900	251
Black Hammer township.....	750	760	783	Feeley township.....	375	292	42
Brownsville township, including Brownsville village.....	774	815	977	Good Hope township.....	216	76	.....
Caledonia township.....	652	725	867	Goodland township.....	308	188	64
Caledonia village.....	1,570	1,372	1,175	Grand Rapids township, including La Prairie village.....	236	209	207
Crooked Creek township.....	493	442	582	Grand Rapids village.....	2,014	2,230	1,428
Hokah township, including Hokah village.....	712	706	938	Grattan township.....	81	23	.....
Houston township.....	535	646	694	Greenway township ²⁰ (T. 56, R. 23), including Calumet and Marble villages.....	1,277	1,184	68
Houston village.....	778	700	542	Harris township.....	256	95	17
Jefferson township.....	343	380	305	Iron Range township ²⁰ , including Bovey, Coleraine, and Taconite villages.....	3,258	3,689	34
La Crescent township.....	424	381	842	Kinghurst township ²⁰	107	88	9
La Crescent village.....	387	372	.....	Lake Jessie township ²⁰ (T. 148, R. 25).....	306	214	41
Mayville township.....	544	577	610	Lone Pine township ²⁰ (T. 56, R. 22).....	208	.....	.....
Money Creek township.....	610	682	716	Marcell township ²⁰ (T. 59, Rs. 26 and 27).....	222	202	33
Mound Prairie township.....	664	731	776	Moose Park township.....	168	31	11
Sheldon township.....	587	658	728	Morse township ²⁰ (parts of Tps. 144 and 145, R. 25).....	316	290	.....
Spring Grove township.....	818	913	983	Nashwauk township, including Keewatin and Nashwauk villages.....	4,471	2,930	57
Spring Grove village.....	753	620	491	Nore township.....	279	140	3
Union township.....	380	426	523	Oteneagen township ²⁰ (T. 146, R. 25).....	171	40	.....
Wilmington township.....	849	918	1,092	Sago township.....	200	167	32
Winnebago township.....	680	722	856	Sand Lake township ²⁰ (T. 148, R. 26).....	239	68	.....
Yucatan township.....	730	745	830	Spang township ²⁰ (T. 53, R. 26).....	74	24	.....
Hubbard County.....				Stokes township ²⁰ (T. 60, Rs. 26 and 27).....	135	.....	.....
Akeley township ¹⁹	480	¹⁹ 2,674	¹⁹ 1,118	Third River township.....	60	60	27
Akeley village ¹⁹	855	.....	.....	Trout Lake township.....	464	336	93
Arago township.....	183	135	286	Wawina township ²⁰ (T. 53, R. 22).....	394	183	61
Badoura township.....	281	165	229	Wirt township.....	231	102	11
Clay township.....	44	55	.....	Zemple village ²⁰	284	.....	.....
Clover township.....	99	61	.....	Township 53, range 24.....	147	75	18
Crow Wing Lake township.....	137	156	.....	Township 53, range 25.....	15	13	1
Farden township.....	255	215	144	Township 54, range 26.....	21	8	28
Farris village.....	84	143	135	Township 54, range 27.....	6	50	.....
Fern township.....	234	212	189	Township 55, range 23.....	161	65	.....
Guthrie township.....	238	82	72	Township 55, range 27.....	207	42	26
Hart Lake township.....	368	190	73	S. 1/2 fractional township 56, range 27.....	42	23	.....
Helga township ¹⁹	322	106	62	Township 57, range 26.....	42	38	46
Hendrickson township.....	174	149	.....	Township 58, range 22.....	95	20	47
Henrietta township.....	467	369	307	Township 58, range 23.....	58	11	9
Hubbard township.....	500	424	549	Township 58, range 27.....	77	4	29
Lake Alice township.....	64	62	.....	Township 59, range 22.....	77	23	22
Lake Emma township.....	232	216	167	Township 59, range 23.....	28	14	85
Lake George township.....	140	61	32	Township 59, range 24.....	2	9	58
Lake Hattie township.....	138	68	.....	Township 59, range 25.....	8	(²⁰) 6	7
Lake Port township.....	249	109	59	Township 60, range 23.....	27	.....	.....
Laporte village.....	216	140	.....	Township 60, range 24.....	8	(²⁰) 7	19
Mantrap township.....	253	169	69	Township 61, range 23.....	34	7	7
Nevis township.....	400	284	221	Township 61, range 24.....	1	.....	.....
Nevis village.....	412	238	.....	Township 61, range 25.....	26	27	.....
Park Rapids village.....	1,608	1,601	1,316	Township 62, range 25.....	330	73	.....
Rockwood township.....	228	198	156	Township 62, range 26.....	174	57	.....
Schoolcraft township.....	38	79	84	Fractional township 62, range 27.....	3	.....	.....
Straight River township.....	403	342	373	Township 143, range 25 (part of).....	110	25	3
Thorpe township.....	85	110	.....	Township 144, range 26 (part of).....	100	25	.....
Todd township.....	408	347	376	Township 145, range 26 (part of).....	187	20	.....
White Oak township.....	463	247	264	Township 145, range 27 (part of).....	1	.....	.....
Township 142, range 32 (Steambout River).....	17	21	16	Township 146, range 26.....	121	197	.....
Isanti County.....				Township 146, range 27 (part of).....	25	2	.....
Athens township.....	647	597	601	Township 146, range 28 (part of).....	4	.....	.....
Bradford township.....	754	775	658	Township 146, range 29 (part of).....	15	20	.....
Braham village.....	511	406	.....	Township 147, range 26 ²⁰	159	.....	.....
Cambridge township.....	1,145	1,130	1,295	Township 147, range 27.....	13	10	.....
Cambridge village.....	1,080	900	737	Township 147, range 28.....	4	23	.....
Dalbo township.....	825	707	604	Township 147, range 29.....	15	11	.....
Isanti township.....	1,050	1,136	1,161	Township 148, range 27.....	205	195	.....
Isanti village.....	411	316	.....	Itasca County—Total for 1900 includes population (327) of townships and part of Boise Fort Indian Reservation taken to form Koochiching County between 1900 and 1910; and population of Winnibigishish and Cass Lake Indian Reservation (521) and of part of Chippewa Indian Reservation (80), opened to settlement between 1900 and 1910. Population shown for Carpenter township for 1910 includes that of townships 62, ranges 23 and 24, returned separately from Carpenter in that year but since annexed. Townships organized since 1910: Bowstring from part of Lake Jessie; Lone Pine from part of Greenway; Morse from part of Oteneagen; Stokes from part of Marcell; Oteneagen, Spang, and Wawina from unorganized territory. Zemple village incorporated from part of Deer River township since 1910. Holman village annexed to Iron Range township since 1910. Name of Kinghurst township changed from Popple since 1910. Township 147, range 28, detached from Sand Lake township since 1910. No population for 1920 or 1910 was reported for township 58, range 26. No population for 1910 was reported for township 59, range 25, or township 60, range 24. Township 53, range 27, for which no population was reported in the census of 1920 and which was not returned at the censuses of 1910 and 1900, is not shown in this table.			
Maple Ridge township.....	993	983	1,015				
North Branch township.....	1,028	1,090	1,130				
Oxford township.....	433	437	872				
Spencer Brook township.....	730	510	500				
Springvale township.....	831	780	747				
Stanchfield township.....	1,119	1,005	1,175				
Stanford township.....	825	817	729				
Wyanett township.....	896	1,028	942				

¹⁸ HENNEPIN.—For footnote, see preceding page.

¹⁹ HUBBARD.—Totals for 1910 and 1900 include population (49 and 94, respectively) of Nary village, annexed to Helga township since 1910. Total for 1910 also includes population (134) of part of Chippewa Indian Reservation, lands allotted to Indians since 1910. Akeley village incorporated from part of Akeley township since 1910.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. II, Table I, p. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Jackson County	15,955	14,491	14,793	Kittson County—Continued.			
Alba township.....	414	397	411	Granville township.....	362	385	340
Alpha village.....	261	223	209	Hallock township.....	237	225	253
Belmont township.....	635	633	714	Hallock village.....	1,012	910	805
Christiana township.....	588	543	560	Hampden township.....	294	284	349
Delafield township.....	556	474	453	Hazleton township ²³	324	288	256
Des Moines township.....	607	638	688	Hill township.....	227	200	96
Enterprise township.....	521	531	520	Humboldt village ²³	198		
Ewington township.....	576	477	478	Jupiter township.....	440	379	384
Heron Lake township.....	680	649	589	Karlstad village.....	286	138	
Heron Lake village.....	922	803	928	Kennedy village.....	311	232	158
Hunter township.....	597	564	572	Lancaster village.....	354	204	
Jackson village.....	2,144	1,907	1,756	McKinley township.....	117	106	10
Kimball township.....	531	513	597	Norway township.....	394	307	236
La Crosse township.....	455	442	517	Pelan township.....	134	132	96
Lakefield village.....	1,346	924	862	Percy township.....	155	162	159
Middleton township.....	560	580	570	Poppleton township.....	348	299	276
Minnesota township.....	539	508	506	Red River township.....	331	355	391
Petersburg township.....	688	682	773	Richardville township.....	425	423	269
Rost township.....	561	523	491	St. Joseph township.....	237	186	117
Round Lake township.....	537	494	513	St. Vincent township ²³	485	598	463
Sioux Valley township.....	553	519	593	St. Vincent village.....	343	328	256
Weimar township.....	433	399	419	Skane township.....	187	205	247
West Heron Lake township.....	677	430	375	Spring Brook township.....	352	342	334
Wildar village.....	91	95	174	Svea township.....	198	202	185
Wisconsin township.....	477	543	525	Tegner township.....	226	237	246
				Telen township.....	440	447	503
				Thompson township.....	524	534	500
				Township 161, range 45.....	59	38	2
				Township 162, range 45.....	56	41	12
Kanabec County	9,086	6,461	4,614	Koochiching County	13,520	24,431	
Ann Lake township.....	209	79		Bannock township.....	49	47	
Arthur township.....	633	548	478	Bear River township.....	80	46	
Brunswick township.....	1,065	924	766	Beaver township.....	20	56	
Comfort township.....	858	825	930	Big Falls township, including Big Falls village.....	436	338	
Ford township ²⁴	92			Bridle township.....	131	20	
Grass Lake township.....	936	805	771	Clingmans township.....	99	35	
Grasston village.....	239	189		Cross River township ²⁴ (T. 67, R. 25).....	209	179	
Hay Brook township ²⁴	108			Dentaybow township ²⁴ (Tps. 65 and 66, R. 25).....	117	70	
Hillman township ²⁴	247	134	124	Dinner Creek township.....	328	149	
Kanabec township ²⁴	467	117	155	Engelwood township, including Mizpah village.....	400	288	
Knife Lake township.....	582	469	436	Evergreen township.....	458	168	
Kroschel township.....	240	179	141	Forest Grove township.....	335	53	
Mora village.....	1,006	892	785	Gowdy township ²⁴ (T. 156, Rs. 25 and 26).....	37	28	
Ogilvie village ²⁴	436	270		Grand Falls township.....	132	53	
Peace township ²⁴	275	199	63	Henry township.....	95	94	
Pomroy township.....	462	226		Indus township ²⁴ (T. 159, R. 25, and frac. T. 160, R. 25).....	138		
South Fork township.....	695	319	160	International Falls city ²⁴	3,448	1,487	
Whited township.....	536	286	105	Jameson township, including Littlefork village.....	567	134	
				Kline township ²⁴ (T. 154, R. 29).....	64		
Kandiyohi County	22,060	18,969	18,418	Koochiching township ²⁴	661	107	
Arctander township.....	733	704	741	Lindford township.....	122	49	
Atwater village.....	735	600	588	Manitou township.....	109	94	
Burbank township.....	515	491	504	Meadow Brook township ²⁴ (T. 68, R. 26).....	185	137	
Colfax township.....	489	471	485	Meding township.....	207	51	
Dovre township.....	607	582	600	Murphy township ²⁴ (T. 159, R. 28, and frac. T. 160, R. 28).....	231	206	
East Lake Lillian township.....	447	508	485	Nett River township ²⁴ (T. 66, Rs. 23 and 24).....	53	55	
Edwards township ²²	430	317	342	Northome village.....	270	206	
Fahln township.....	411	360	420	Pinetop township.....	245	27	
Gennessee township.....	523	550	629	Plum Creek township.....	84	13	
Green Lake township.....	526	606	870	Ranier village.....	157	190	
Harrison township.....	549	528	586	Rapid River township ²⁴ (Tps. 157 and 158, R. 29).....	70	79	
Holland township.....	755	685	607	Rat Root township.....	506	95	
Irving township.....	700	635	717	Ray township.....	191	27	
Kandiyohi township.....	597	646	704	Reedy township.....	77	175	
Kandiyohi village.....	184	185		Sault township.....	248	181	
Lake Andrew township.....	443	482	523	South International Falls village ²⁴	258		
Lake Elizabeth township.....	445	436	535	Sturgeon River township.....	79	38	
Lake Lillian township.....	514	479	513	Summersville township ²⁴ (T. 63, R. 23).....	3	22	
Mamre township.....	593	605	651	Warren township ²⁴ (T. 152, R. 29).....	29	5	
New London township, including New London village.....	1,158	977	855	Watrous township.....	213	444	
Norway Lake township.....	743	702	708	White Birch township ²⁴ (T. 155, R. 29).....	48		
Pennock village ²²	251	189		Wicker township ²⁴ (T. 152, Rs. 25 and 26).....	115	55	
Raymond village ²²	416	334	282	Wildwood township.....	155	61	
Roseland township.....	618	594	465	Williams township.....	146	100	
Roseville township.....	563	544	548	Township 63, range 22.....	326	241	
St. Johns township ²²	392	312	525	Township 63, range 24.....	74		
Spicer village.....	299	228		Township 63, range 25.....	29	9	
Whitefield township.....	580	593	542	Township 63, range 26.....	49	17	
Willmar city.....	5,892	4,135	3,409	Township 63, range 27.....	44		
Willmar township.....	952	491	522	Township 64, range 22.....	167	54	
				Township 64, range 23.....	7		
				Township 64, range 25.....	1	8	
				Township 64, range 26.....	30	46	
				Fractional township 64, range 27.....	(24)	10	
Kittson County	10,638	9,669	7,889				
Arveson township.....	172	158	114				
Bronson village ²³	181	101					
Cannon township.....	119	108	39				
Caribou township.....	306	385					
Clow township.....	240	200	174				
Davis township.....	166	188	309				
Deerwood township.....	231	230	293				
Donaldson village.....	167	132					

²⁴ KANABEC.—Ford township organized from part of Peace township, and Hay Brook from part of Hillman, since 1910. Ogilvie village made independent of Kanabec township since 1910.

²² KANDIYOHI.—Raymond village made independent of Edwards township, and Pennock village made independent of St. Johns township, since 1910.

²³ KITTSON.—Part of Hazleton township annexed to Bronson village, and Humboldt village incorporated from part of St. Vincent township, since 1910.

²⁴ KOOCHICHING.—Total for 1910 includes population (25) of Rainy Lake City village, annexed to Koochiching townships since 1910. Cross River, Dentaybow, Gowdy, Indus, Kline, Meadow Brook, Murphy, Nett River, Rapid River, Summersville, Warren, White Birch, and Wicker townships organized from unorganized territory since 1910. International Falls village incorporated as a city and made independent of Koochiching township since 1910. South International Falls village incorporated from part of Koochiching township since 1910. Township 64, range 24; fractional township 65, range 27; and townships 66, range 22; 155, range 28; and 156, range 27, for which no population was reported in 1920 and for which no returns were made in 1910 and 1900, are not shown in this table. No population reported in 1920 for fractional township 64, range 27, township 65, range 24, and township 156, ranges 23 and 29.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 984. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Koochiching County—Continued.				Lincoln County			
Township 65, range 22	101	95		Alta Vista township	462	442	423
Township 65, range 23	80	1		Arco village	231	97	
Township 65, range 24	(²⁴) 2	9		Ash Lake township	451	480	461
Township 65, range 25	113	84		Diamond Lake township	437	424	413
Township 153, range 25	36	23		Drammen township	458	412	422
Township 153, range 27	34	6		Hansonville township	363	369	415
Township 153, range 28	36			Hendricks township	679	608	757
Township 153, range 29	186			Hendricks village	781	408	
Township 154, range 27	23	14		Hope township	706	765	677
Township 154, range 28	26			Ivanhoe village	655	484	
Township 156, range 23	(²⁴)	9		Lake Benton township	435	437	387
Township 156, range 29	(²⁴)	6		Lake Benton village	444	344	590
Township 157, range 27	3	17		Lake Stay township	420	372	416
Township 157, range 28	14			Limestone township	460	518	608
Township 158, range 27	12	15		Marble township	511	514	509
Township 158, range 28	46	20		Marshfield township	606	524	493
Township 159, range 29	99			Royal township	579	561	642
				Shaokatan township	476	337	393
				Tyler village	858	614	515
				Verdi township	676	625	531
Lac qui Parle County				Lyon County			
	15,554	15,435	14,289		18,837	15,722	14,591
Agassiz township	372	461	508	Amiret township	541	444	407
Arena township	501	509	499	Belaton village	604	364	209
Augusta township	315	334	348	Clifton township	416	395	365
Baxter township	601	585	712	Coon Creek township	501	525	672
Bellingham village	405	359	380	Cottonwood village	813	770	549
Boyd village	549	431	335	Custer township	731	617	467
Camp Release township	491	498	458	Eidsvold township	329	472	581
Cerro Gordo township	620	636	634	Fairview township	485	410	406
Dawson city	1,511	1,318	922	Ghent village	316	210	119
Freeland township	461	467	427	Grandview township	442	468	427
Garfield township	446	452	409	Island Lake township	385	374	384
Hamlin township	500	483	458	Lake Marshall township	472	415	377
Hantho township	437	369	457	Lucas township	500	462	461
Lac qui Parle township	448	470	471	Lynd township	610	568	488
Lake Shore township	712	787	858	Lyons township	458	451	469
Louisburg village	99	88		Marshall city	3,092	2,152	2,088
Madison city	1,538	1,811	1,336	Minneota village	894	819	777
Madison township	509	551	593	Monroe township	502	471	387
Manfred township	310	298	239	Nordland township	520	460	458
Marietta village	413	338	144	Rook Lake township	463	402	404
Maxwell township	522	526	438	Russell village	375	262	
Mehurin township	316	331	280	Shelburne township	729	432	469
Nassau village	168	213	134	Sodus township	475	358	376
Ortonville city ²⁴ (part of)	42	58	56	Stanley township	500	396	360
Perry township	454	513	503	Taunton village	183	205	
Providence township	489	540	550	Tracy city	2,403	1,876	1,911
Riverside township	577	535	517	Vallers township	436	449	479
Ten Mile Lake township	466	463	536	Westerheim township	512	495	501
Walter township	467	418	455				
Yellow Bank township	515	543	502				
Lake County				McLeod County			
	8,251	²⁵ 8,011	4,654		20,444	18,691	19,595
Beaver Bay township	263	284	399	Acoma township	733	664	732
Cramer township ²⁶	148			Bergen township	1,074	1,053	1,182
Crystal Bay township ²⁶	170	430		Browntown village	540	509	454
Fall Lake township	649	541	150	Collins township	700	621	665
Silver Creek township	608	481		Glencoe city	1,747	1,788	1,780
Two Harbors city	4,546	4,990	3,278	Glencoe township	820	835	837
Two Harbors township ²⁶	926	343	827	Hale township	1,408	1,371	1,426
Waldo township	851	451		Hassan Valley township	925	805	
				Helen township	938	977	1,056
				Hutchinson city	3,379	2,368	2,495
				Hutchinson township	1,074	1,092	2,069
				Lester Prairie village	434	420	418
				Lynn township	755	753	823
				Penn township	577	588	649
				Plato village	251	238	232
				Rich Valley township	1,104	1,062	1,121
				Round Grove township	677	640	713
				Silver Lake village	475	382	321
				Stewart village	540	412	407
				Sumter township	700	650	749
				Winsted township	1,159	1,167	1,185
				Winsted village	434	296	281
Le Sueur County				Mahnomen County			
	17,870	18,609	20,234		6,197	3,249	
Cleveland township	635	640	1,027	Beaulieu township	320	231	
Cleveland village	269	212		Belou township	332	85	
Cordova township	728	869	1,151	Chief township	329	151	
Derrynane township	890	936	1,102	Gregory township ²⁸ (T. 146, R. 41)	201	95	
Elysian township	828	846	903	Heler township	317	258	
Elysian village	354	345	459	Island Lake township ²⁸ (T. 146, R. 39)	282		
Heidelberg village	73	111	114	La Gardo township	390	162	
Kasota township	812	803	1,020	Lake Grove township	436	166	
Kasota village	686	700	764	Mahnomen village	1,076	796	
Kilkenny township	722	821	901	Marsh Creek township ²⁸ (T. 146, R. 42)	204	69	
Kilkenny village	218	208	245	Oakland township ²⁸ (T. 143, R. 39 and 40)	212		
Lanesburg township	997	1,105	1,189	Pembina township	541	301	
Le Sueur city	1,795	1,755	1,937	Popple Grove township	385	159	
Le Sueur Center village	863	741	478	Rosedale township	401	157	
Lexington township	1,022	1,188	1,397	Waubun village	348	230	
Montgomery city	1,297	1,267	979	White Earth Indian Reservation ²⁸ (part of)	425	386	
Montgomery township	800	854	1,054				
New Prague city ²⁷ (part of)	641	640	523				
Ottawa township	354	426	461				
Sharon township	818	861	1,073				
Tyrone township	819	877	1,030				
Washington township	330	284	295				
Waterville city	1,211	1,273	1,280				
Waterville township	708	737	872				

²⁴ KOOCHICHING.—For footnote, see preceding page.

²⁵ LAC QUI PARLE.—For total population of Ortonville city, see Table 3.

²⁶ LAKE.—Total for 1910 includes population (491) of Knife River village, annexed to Two Harbors township since 1910. Cramer township organized from part of Crystal Bay township since 1910.

²⁷ LE SUEUR.—For total population of New Prague city, see Table 3.

²⁸ MAHNOMEN.—Gregory, Island Lake, Marsh Creek, and Oakland townships organized from unorganized territory since 1910. For total population of White Earth Indian Reservation, see footnote for Becker County.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. II, Table I, p. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Marshall County	19,443	16,338	15,698	Meeker County	18,103	17,022	17,753
Agder township.....	253	185	80	Aoton township.....	643	622	672
Alma township.....	361	324	294	Cedar Mills township.....	733	708	744
Alvarado village.....	361	128	.....	Collinwood township.....	1,102	1,162	1,503
Argyle village.....	956	744	829	Cosmos township.....	559	480	499
Augsburg township.....	286	281	319	Danielson township.....	566	667	690
Big Woods township.....	434	440	492	Darwin township ²¹	490	531	550
Bloomer township.....	288	287	359	Darwin village ²¹	132	.....	.....
Boxville township.....	108	108	116	Dassel township.....	1,002	1,009	1,151
Cedar township.....	233	126	219	Dassel village.....	804	643	568
Como township.....	135	85	79	Eden Valley village ²¹ (part of).....	424	453	386
Comstock township.....	396	303	256	Ellsworth township.....	675	626	744
Donnelly township.....	107	73	66	Forest City township.....	724	718	817
Eagle Point township.....	280	204	207	Forest Prairie township.....	1,010	1,036	994
East Park township.....	186	186	255	Greenleaf township.....	554	586	705
East Valley township.....	242	118	186	Grove City village.....	388	351	316
Eckvold township.....	166	100	82	Harvey township.....	572	618	674
Espolie township.....	245	194	50	Kingston township.....	1,918	1,732	1,624
Excel township.....	463	494	486	Litchfield township.....	519	498	566
Foldahi township.....	233	261	264	Litchfield village.....	2,790	2,433	2,280
Fork township.....	205	183	312	Manannah township.....	823	698	758
Grand Plain township.....	229	225	164	Swede Grove township.....	554	550	579
Grygla village ²²	155	.....	.....	Union Grove township.....	661	635	652
Holt township ²³	382	471	510	Watkins village.....	454	366	250
Holt village ²³	232	.....	.....		
Huntly township.....	146	105	.....	Mille Laes County	14,180	10,705	8,066
Lincoln township.....	412	281	324	Bogus Brook township.....	1,118	945	543
Linsell township.....	129	115	.....	Borgholm township.....	1,288	964	696
McCrea township.....	385	333	409	Dailey township ²⁴	207	.....	.....
Marsh Grove township.....	399	389	369	East Side township.....	275	132	49
Middle River township.....	309	304	367	Foreston village.....	328	204	263
Middle River village.....	324	149	.....	Greenbush township.....	1,077	985	871
Moose River township.....	179	186	44	Hayland township ²⁵	321	105	36
Moylan township.....	264	142	116	Isle village ²⁶	328	.....	.....
Mud Lake township ²⁵ (T. 156, R. 41).....	141	14	1	Isle Harbor township ²⁶	397	488	175
Nelson Park township.....	311	221	292	Kathlo township.....	381	241	232
New Folden township ²⁶	420	609	540	Milaca township.....	999	718	860
Newfolden village ²⁶	246	.....	.....	Milaca village.....	1,347	1,102	1,204
New Maine township.....	239	141	200	Milo township.....	1,301	1,101	904
New Solum township.....	510	422	597	Mudgett township ²⁷	99	.....	.....
Oak Park township.....	653	667	709	Onamia township.....	416	172	75
Oslo village.....	365	344	.....	Onamia village.....	416	314	.....
Parker township.....	189	167	280	Page township ²⁸	434	222	55
Rollis township.....	397	321	278	Princeton township.....	1,117	1,136	1,078
Sinnott township.....	206	288	343	Princeton village.....	1,685	1,555	1,319
Spruce Valley township.....	440	265	299	South Harbor township.....	374	320	201
Stephen village.....	581	618	513	Wahkon village ²⁹	292	.....	.....
Tamarack township.....	294	311	286				
Thief Lake township.....	161	133	319	Morrison County	25,841	24,053	22,891
Valley township ²⁹	351	296	185	Agram township.....	286	292	300
Vega township.....	509	601	612	Belle Prairie township.....	706	635	765
Veldt township.....	151	110	44	Bellevue township, including Royaltown village.....	1,328	1,303	1,206
Viking township.....	469	391	334	Bowius village ³⁰	247	164	.....
Wanger township.....	411	417	463	Buckman township, including Buckman village.....	1,231	985	1,023
Warren city.....	1,772	1,613	1,270	Buh township, including part of Lastrup village.....	806	713	699
Warrenton township.....	228	218	235	Clough township.....	309	272	244
West Valley township.....	287	221	270	Culdrum township ³¹	786	808	868
Whiteford township.....	185	126	.....	Cushing township.....	389	313	263
Wright township.....	391	320	338	Darling township ³²	586	530	.....
				Elmdale township ³³	1,330	1,574	1,425
				Flensburg village ³³	210	.....	.....
Martin County	21,085	17,518	16,936	Granite township, including part of Lastrup village.....	647	478	.....
Cedar township.....	563	576	575	Green Prairie township.....	249	228	299
Center Creek township ³⁴	847	807	519	Hillman township.....	150	68	.....
Ceylon village.....	543	330	.....	Lacin township.....	128	55	.....
Dunnell village ³⁵	247	170	.....	Leigh township, including Hillman village.....	175	54	.....
East Chain township.....	783	684	719	Little Falls city.....	5,500	6,078	5,774
Elm Creek township.....	544	469	489	Little Falls township.....	557	356	427
Fairmont city.....	4,630	2,958	3,040	Morrill township.....	532	350	345
Fairmont township.....	613	570	534	Motley township ³⁶	83	88	226
Fox Lake township.....	615	532	595	Motley village ³⁶	396	428	404
Fraser township.....	618	646	603	Mount Morris township.....	70	54	13
Galena township.....	482	491	572	Parker township.....	514	470	516
Granada village ³⁷	387	333	309	Pierz township, including Genola village.....	720	681	1,049
Jay township.....	606	566	574	Pierz village ³⁸	624	545	358
Lake Belt township.....	586	572	737	Pike Creek township ³⁹	1,280	1,364	1,361
Lake Fremont township ⁴⁰	589	603	676	Platte township.....	333	209	206
Manysaka township.....	626	597	621	Pulaski township.....	275	129	91
Monterey village.....	317	177	.....	Rail Prairie township.....	253	296	285
Nashville township.....	580	521	617	Randall village ⁴¹	301	195	.....
Ormsby village ⁴⁰ (part of).....	31	46	.....	Richardson township.....	132	60	.....
Pleasant Prairie township.....	687	575	589	Ripley township.....	676	610	716
Rolling Green township.....	580	539	562	Rosing township.....	132	143	.....
Rutland township.....	777	638	609				
Sherburne village.....	532	814	891				
Silver Lake township.....	803	675	684				
Tenhassen township.....	938	585	608				
Triumph village.....	813	243	.....			
Truman village.....	752	451	261				
Waverly township.....	561	585	536				
Welcome village.....	612	543	549				
Westford township.....	633	522	472				

²² MARSHALL.—Grygla village incorporated from part of Valley township, Holt village from part of Holt township, and Newfolden village from part of New Folden township, since 1910. Mud Lake township organized from unorganized territory since 1910.

²³ MARTIN.—Dunnell village made independent of Lake Fremont township, and Granada village made independent of Center Creek township, since 1910. For total population of Ormsby village, see Table 3.

²⁴ MEER.—Darwin village incorporated from part of Darwin township since 1910. For total population of Eden Valley village, see Table 3.

²⁵ MILLE LAES.—Total for 1900 includes population (5) of township 41, range 25, annexed to Isle Harbor township between 1900 and 1910. Dailey township organized from part of Page township, Mudgett from part of Hayland, and Isle and Wahkon villages incorporated from parts of Isle Harbor township, since 1910.

²⁶ MORRISON.—Total for 1900 includes population (798) of Randall township, taken to form Darling township and Randall village between 1900 and 1910. Bowius village made independent of Two Rivers township, Motley village made independent of Motley township, and Pierz village made independent of Pierz township, since 1910. Flensburg village incorporated from parts of Culdrum and Pike Creek townships, and Upsala village from part of Elmdale township, since 1910.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Morrison County—Continued.				Nobles County.....	17,017	15,210	14,932
Scandia Valley township.....	254	158	260	Adrian village.....	1,087	1,112	1,258
Swan River township, including Sobleska vil-				Bigelow township.....	504	498	719
lage.....	1,103	1,225	1,229	Bigelow village.....	223	195	.....
Swanville township.....	878	826	686	Bloom township.....	530	494	510
Swanville village.....	400	397	244	Brewster village.....	405	311	234
Two Rivers township ³³	737	812	911	Dewald township.....	513	454	654
Upsala village ³³	316	.....	.....	Dundee village.....	215	175	217
				Elk township.....	474	421	484
Mower County.....	25,093	22,640	22,335	Ellsworth village.....	697	536	454
Adams township.....	693	658	751	Graham Lake township.....	442	450	464
Adams village.....	609	576	573	Grand Prairie township.....	503	503	464
Austin city.....	10,118	6,960	5,474	Hersey township.....	443	380	386
Austin township.....	880	728	766	Indian Lake township.....	439	358	373
Bennington township.....	385	445	517	Kinbrae village.....	121	137	137
Brownsdale village.....	271	264	261	Larkin township.....	424	422	496
Clayton township.....	389	399	447	Leota township.....	678	582	552
Dexter township.....	618	687	601	Lisnore township.....	675	443	470
Dexter village.....	268	281	278	Lisnore village.....	350	268	.....
Elkton village.....	102	86	.....	Little Rock township.....	500	585	532
Frankford township.....	539	449	580	Lorain township.....	485	422	378
Grand Meadow township.....	488	511	608	Olney township.....	490	446	458
Grand Meadow village.....	579	552	477	Ransom township.....	517	464	428
Leaning township.....	836	808	878	Round Lake village.....	345	237	226
Le Roy township.....	735	824	725	Rushmore village.....	313	237	.....
Le Roy village.....	707	702	772	Seward township.....	670	559	558
Lodi township.....	510	503	546	Summit Lake township.....	617	420	497
Lyle township.....	500	708	748	Westside township.....	454	436	438
Lyle village.....	505	552	488	Wilmon township.....	500	613	699
Marshall township.....	538	504	740	Wilmon village.....	376	258	.....
Nevada township.....	607	678	809	Worthington city.....	3,481	2,385	2,388
Pleasant Valley township.....	432	434	500	Worthington township.....	531	400	393
Racine township.....	843	838	967				
Red Rock township.....	580	604	624	Norman County.....	14,880	13,446	15,045
Roso Creek village.....	208	202	204	Ada city.....	1,411	1,432	1,253
Sargeant township.....	488	526	630	Anthony township.....	366	353	461
Sargeant village.....	79	70	.....	Bear Park township.....	689	672	773
Trope village.....	153	140	115	Flom township.....	905	732	772
Udolpho township.....	653	606	645	Fossum township.....	570	490	495
Waltham township.....	673	676	745	Gary village.....	333	251	.....
Waltham village.....	180	170	150	Good Hope township.....	144	119	99
Windom township.....	672	598	707	Green Meadow township.....	344	273	319
				Halstad township.....	728	618	758
Murray County.....	13,631	11,755	11,911	Halstad village.....	528	494	442
Avoca village.....	270	212	338	Hegne township.....	334	238	387
Belfast township.....	541	498	486	Hendrum township.....	629	736	1,177
Bondin township.....	561	515	507	Hendrum village.....	354	355	.....
Cameron township.....	407	317	311	Home Lake township.....	433	392	561
Chanaramble township.....	453	428	597	Lake Ida township.....	340	313	444
Chandler village.....	272	225	.....	Lee township.....	515	550	837
Currie village.....	405	329	.....	Lockhart township.....	352	238	237
Des Moines River township.....	472	394	452	McDonaldsville township.....	396	328	419
Dovray township.....	628	460	464	Mary township.....	362	389	485
Ellsboro township.....	534	501	450	Forley village.....	222	188	.....
Fenton township.....	401	418	380	Pleasant View township.....	395	318	408
Fulda village.....	893	743	886	Rockwell township.....	205	169	327
Hadley village.....	147	133	.....	Shelly village.....	289	195	.....
Holly township.....	479	415	466	Shelly township.....	697	856	1,071
Iona township.....	540	459	404	Spring Creek township.....	308	183	198
Iona village.....	365	300	358	Strand township.....	290	284	601
Lake Sarah township.....	457	484	522	Sundal township.....	429	403	523
Lake Wilson village.....	354	219	.....	Twin Valley village.....	676	543	356
Leeds township.....	455	345	307	Waukon township.....	456	455	694
Lime Lake township.....	500	514	582	Wild Rice township.....	652	447	492
Lowville township.....	398	360	382	Winchester township.....	498	426	466
Mason township.....	500	470	433				
Moulton township.....	528	393	551	Olmsted County.....	28,014	22,497	23,115
Murray township.....	532	448	706	Byron village.....	302	272	347
Shetek township.....	490	436	451	Cascade township.....	743	694	723
Skandia township.....	495	450	434	Chatfield city ³⁴ (part of).....	395	353	388
Slayton township.....	509	436	492	Dover township.....	534	581	873
Slayton village.....	1,045	850	883	Dover village.....	266	233	.....
				Elmira township.....	470	548	594
Nicollet County.....	15,036	14,125	14,774	Eyota township.....	439	618	632
Belgrade township.....	882	862	997	Eyota village.....	403	423	424
Bernadotte township.....	596	635	710	Farmington township.....	588	681	760
Brighton township.....	264	280	329	Haverhill township.....	536	592	662
Courtland township.....	661	672	734	High Forest township ³⁴	756	797	891
Courtland village.....	224	208	174	Kalmar township.....	693	694	856
Granby township.....	476	475	474	Marion township.....	649	645	718
Lafayette township.....	844	845	1,110	New Haven township.....	933	894	934
Lafayette village.....	309	195	.....	Orion township.....	626	637	670
Lake Prairie township.....	979	930	1,071	Oronoco township.....	909	820	943
New Sweden township.....	617	678	693	Pleasant Grove township.....	818	884	955
Nicollet township.....	647	659	688	Quincy township.....	496	562	676
Nicollet village.....	404	338	330	Rochester city.....	13,722	7,844	6,843
North Mankato village.....	1,840	1,279	939	Rochester township.....	630	574	614
Osbawa township.....	598	494	557	Rock Dell township.....	716	801	891
Ridgely township.....	248	287	343	Salem township.....	730	689	852
St. Peter city.....	4,335	4,176	4,302	Stewartville village.....	941	794	830
Traverse township.....	499	456	565	Viola township.....	669	740	904
West Newton township.....	643	656	758				

³³ MORRISON.—For footnote, see preceding page.

³⁴ OLMSTED.—Totals for 1910 and 1900 include population (127 and 139, respectively) of High Forest village, annexed to High Forest township since 1910. For total population of Chatfield city, see Table 3.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Otter Tail County	50,818	46,036	45,375	Pennington County—Continued.			
Aastad township.....	534	503	528	Numedal township.....	143	154	.....
Amor township.....	400	350	427	Polk Centre township.....	187	146	.....
Aurdal township.....	083	089	245	Reiner township.....	300	207	.....
Battle Lake village.....	028	507	420	River Falls township.....	352	252	.....
Blowers township.....	585	442	441	Rocksbury township.....	600	545	.....
Bluffton township, including Bluffton village.....	794	061	086	St. Hilaire village.....	346	468	.....
Buse township.....	439	400	437	Sanders township.....	360	203	.....
Butler township.....	406	362	350	Silverton township.....	280	219	.....
Candler township.....	390	367	375	Smiley township.....	424	421	.....
Carlisle township.....	350	333	417	Star township.....	409	192	.....
Clitheral township.....	492	490	645	Thief River Falls city.....	4,685	3,714	.....
Clitheral village.....	178	187	167	Wyandotte township.....	230	203	.....
Compton township.....	757	711	779				
Corliss township.....	596	493	558	Pine County	21,117	15,878	11,546
Dalton village.....	200	175	.....	Arlene township ²⁷	187	.....	.....
Dane Prairie township.....	372	046	900	Arns township.....	349	102	.....
Dead Lake township.....	480	418	301	Banning village.....	44	149	.....
Deer Creek township.....	747	053	510	Barry township.....	284	205	.....
Deer Creek village.....	331	313	275	Birch Creek township.....	707	520	258
Dent village.....	221	244	.....	Bremen township.....	396	294	.....
Dora township.....	558	507	550	Brook Park township, including Brook Park village.....	523	323	286
Dunn township.....	358	375	319	Bruno township, including Bruno village.....	787	344	.....
Eagle Lake township.....	717	682	721	Changwatana township.....	523	327	307
Eastern township.....	516	522	548	Clover township ²⁷	78	190	.....
Edna township.....	528	521	451	Crosby township.....	92	54	.....
Effington township.....	758	052	711	Danforth township.....	98	89	.....
Elizabeth township.....	634	598	718	Dell Grove township.....	722	512	425
Elizabeth village.....	204	169	180	Dosey township.....	597	57	.....
Elmo township.....	081	504	568	Finlayson township.....	471	371	467
Erhard's Grove township.....	796	679	759	Finlayson village.....	203	180	.....
Everett township.....	411	360	369	Fleming township.....	108	67	.....
Fergus Falls city.....	7,581	6,887	6,072	Hinckley township.....	095	481	465
Fergus Falls township.....	522	508	635	Hinckley village.....	673	673	459
Folden township.....	509	552	545	Kerrick township.....	450	353	635
Friberg township.....	613	554	736	Kettle River township, including Rutledge and Willow River villages.....	769	552	1,442
Girard township.....	339	250	263	Mission Creek township.....	027	445	350
Gorman township, including Luce village.....	527	466	533	Munch township.....	215	81	.....
Henning township.....	000	527	632	Nickerson township.....	164	121	.....
Henning village.....	755	603	545	Norman township.....	407	242	.....
Hobart township.....	489	501	531	Ogema township ²⁷	247	.....	.....
Homestead township.....	561	381	420	Partridge township, including Askov village.....	914	388	.....
Inman township.....	544	471	564	Pine City township.....	989	755	533
Leaf Lake township.....	826	094	713	Pine City village.....	1,303	1,258	993
Leaf Mountain township.....	723	670	716	Pine Lake township.....	639	469	823
Lida township.....	449	412	428	Pokegama township.....	1,463	1,065	690
Maine township.....	711	020	701	Rock Creek township.....	1,165	1,013	1,030
Maplewood township.....	060	049	739	Royalton township.....	959	955	786
New York village.....	700	474	353	Sandstone township ²⁷	528	214	196
Newton township.....	1,171	972	726	Sandstone village ²⁷	1,200	1,818	1,189
Nidaros township.....	524	494	717	Sturgeon Lake township, including Sturgeon Lake village.....	748	572	487
Norwegian Grove township.....	571	042	670	Witma township.....	182	87	.....
Oak Valley township.....	067	512	515	Windemare township.....	531	558	375
Orwell township.....	370	371	334				
Oscar township.....	618	645	713	Pipestone County	12,050	9,553	9,264
Otter Tail township.....	230	200	283	Aetna township.....	478	363	321
Otter Tail village.....	223	176	.....	Altona township.....	469	409	432
Otto township.....	572	522	557	Burke township.....	414	371	357
Paddock township.....	706	563	495	Eden township ²⁸	545	563	600
Parkers Prairie township.....	553	595	677	Edgerton village.....	667	381	450
Parkers Prairie village.....	570	383	.....	Elmer township.....	545	424	374
Pelican township, including Pelican Rapids village.....	1,861	1,781	1,702	Foundation Prairie township.....	467	427	411
Perham township.....	582	589	676	Grange township.....	405	293	316
Perham village.....	1,370	1,376	1,182	Gray township ²⁸	308	435	363
Pine Lake township.....	421	334	351	Hatfield village ²⁸	99	.....	.....
Richville village.....	281	255	.....	Holland village.....	318	293	255
Rush Lake township.....	456	441	419	Thien village ²⁸	211	.....	.....
St. Olaf township.....	634	556	711	Jasper village ²⁸ (part of).....	851	591	447
Scambler township.....	462	428	470	Pipestone city.....	527	487	445
Star Lake township.....	420	281	339	Pipestone township.....	3,325	2,475	2,636
Sverdrup township ²⁸	782	974	1,019	Rock township.....	391	393	312
Tordenskjold township ²⁸	761	755	691	Ruthven village.....	403	290	323
Trondhjem township.....	042	584	799	Sweet township.....	554	479	415
Turnull township.....	514	479	614	Trosky village.....	177	181	215
Underwood village ²⁸	258	.....	.....	Troy township.....	549	472	481
Vergas village.....	301	237	.....	Woodstock village.....	277	226	211
Vining village.....	241	212	.....			
Western township.....	327	355	375	Polk County	37,090	36,001	35,429
Woodside township.....	592	428	542	Andover township.....	303	303	335
				Angus township.....	263	235	239
Pennington County	12,091	9,376	.....	Badger township.....	447	391	488
Black River township.....	160	169	.....	Belgium township.....	131	77	93
Bray township.....	163	127	.....	Beltrami village.....	219	149	.....
Clover Leaf township.....	247	180	.....	Brandsvold township.....	587	671	744
Deer Park township.....	300	270	.....	Brandt township.....	136	70	150
Goodridge township ²⁸	139	63	.....	Brislet township.....	187	170	132
Goodridge village ²⁸	231	.....	.....	Bygland township.....	588	643	714
Hickory township.....	360	197	.....			
High Landing township.....	437	383	.....			
Krakka township.....	373	280	.....			
Mayfield township.....	234	144	.....			
Norden township.....	333	306	.....			
North township.....	789	440	.....			

²⁸ OTTER TAIL.—Underwood village incorporated from parts of Sverdrup and Tordenskjold townships since 1910.

²⁸ PENNINGTON.—Goodridge village incorporated from part of Goodridge township since 1910.

²⁷ PINE.—Arlene and Ogema townships organized from parts of Clover township, and Sandstone village made independent of Sandstone township, since 1910.

²⁸ PIPESTONE.—Hatfield village incorporated from part of Gray township, and Thien village from part of Eden township, since 1910. For total population of Jasper village, see Table 3.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 904. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Polk County—Continued.				Red Lake County.	7,263	80 6,564	89 12,195
Chester township.....	380	501	408	Brown Creek township ²⁰	125	120	346
Climax village.....	274	269	259	Emardville township ²⁰	476	193	361
Columbia township.....	705	552	715	Equality township ²⁰	492	488	455
Crookston city.....	6,825	7,559	5,359	Garnes township ²⁰	444	289	367
Crookston township.....	415	367	401	Gervais township.....	446	367	333
East Grand Forks city.....	2,490	2,533	2,077	Lake Pleasant township.....	278	203	380
Eden township.....	690	711	629	Lambert township ²⁰	503	538	494
Erskine village.....	457	324	153	Louisville township.....	416	335	490
Esther township.....	308	370	337	Oklee village ²⁰	364	.....	.....
Euclid township.....	305	309	359	Plummer village.....	252	130	.....
Fairfax township.....	364	353	370	Poplar River township.....	646	554	395
Fanny township.....	184	272	109	Red Lake Falls city.....	1,549	1,757	1,885
Farley township.....	227	161	167	Red Lake Falls township.....	440	283	301
Fortile village.....	800	614	587	River township ²⁰	131	95	329
Fisher township, including Fisher village.....	654	663	895	Terrebonne township.....	519	571	679
Fosston village.....	1,014	1,075	804	Wylie township ²⁰	182	186	371
Garden township.....	655	656	778				
Gardfield township.....	603	633	690	Redwood County.	20,908	18,425	17,261
Gentilly township.....	502	405	473	Belview village.....	381	200	254
Godfrey township.....	500	398	514	Brookville township.....	650	610	621
Grand Forks township.....	315	322	308	Charlestown township.....	560	632	625
Grove Park township.....	378	320	508	Clements village.....	196	132	.....
Gully township.....	572	487	252	Delhi township.....	409	471	518
Hammond township.....	163	153	202	Delhi village.....	104	150	.....
Helgeland township.....	193	121	146	Gales township.....	409	411	441
Higdon township.....	285	252	359	Granite Rock township.....	634	560	539
Hill River township.....	527	572	538	Honner township ²⁰	90	105	262
Hubbard township.....	648	619	781	Johnsonville township.....	569	488	499
Huntsville township.....	530	606	703	Kintira township.....	480	429	437
Johnson township.....	306	247	272	Lamberton township.....	707	634	612
Kertsonville township.....	258	177	314	Lamberton village.....	872	652	624
Keystone township.....	222	184	659	Lucan village.....	181	98	.....
King township.....	547	581	662	Milroy village.....	177	137	.....
Knute township.....	642	656	.....	Morgan township.....	615	625	439
Langby village.....	170	167	623	Morgan village.....	670	553	562
Lessor township.....	478	520	307	New Avon township.....	504	494	547
Liberty township.....	330	268	568	North Hero township.....	530	450	583
Lowell township.....	606	649	509	North Redwood village ²⁰	170	143	.....
McIntosh village.....	805	634	.....	Paxton township.....	500	629	508
Mentor village.....	255	222	341	Redwood Falls city.....	2,421	1,066	1,061
Nesbit township.....	233	127	477	Redwood Falls township.....	418	362	337
Northland township.....	432	412	248	Revere village.....	134	134	.....
Onstad township.....	215	159	138	Sanborn village.....	487	462	261
Parnell township.....	172	131	573	Seaforth village.....	113	158	.....
Queen township.....	623	587	406	Sheridan township.....	532	557	609
Reis township.....	280	215	100	Sherman township.....	326	380	358
Rhinehart township.....	165	225	508	Springdale township.....	504	476	431
Roome township.....	479	359	674	Sundown township.....	500	438	661
Rosebud township.....	507	566	315	Swedes Forest township.....	305	336	349
Russia township.....	280	247	203	Three Lakes township.....	536	512	512
Sandeville township.....	221	221	100	Underwood township.....	441	441	407
Scandia township.....	195	100	680	Vall township.....	553	553	497
Sletten township.....	512	548	354	Vesta township.....	495	505	631
Sullivan township.....	279	232	538	Vesta village.....	334	243	214
Tabor township.....	375	420	206	Wabasso village.....	450	343	178
Tilden township.....	228	230	226	Walnut Grove village.....	603	366	447
Tynsid township.....	183	217	555	Wanda village.....	185	129	.....
Vineland township.....	578	500	758	Waterbury township.....	648	658	514
Winger township.....	930	728	603	Westline township.....	567	446	372
Woodside township.....	575	539	518	Willow Lake township.....	507	548	603
Pope County	13,631	12,746	12,577	Renville County	23,634	23,123	23,693
Bangor township.....	376	322	389	Bandon township.....	632	653	788
Barsness township.....	443	476	497	Beaver Falls township.....	403	436	505
Ben Wade township.....	586	524	718	Birch Cooley township.....	501	576	702
Blue Mounds township.....	544	557	647	Bird Island township.....	420	394	431
Chippewa Falls township.....	434	408	509	Bird Island village.....	976	931	846
Cyrus village.....	312	272	197	Boon Lake township.....	645	651	658
Farwell village.....	140	141	.....	Brookfield township.....	503	570	603
Glenhurst township.....	441	420	1,113	Cairo township ²¹	585	748	720
Glenwood city.....	2,187	2,161	302	Camp township.....	555	618	643
Glenwood township.....	595	484	613	Crooks township.....	616	600	634
Grove Lake township.....	396	314	485	Emmett township.....	559	590	632
Hoff township.....	464	443	581	Ericson township.....	626	607	693
Lake Johanna township.....	375	350	443	Fairfax village ²¹	1,038	815	642
Langhel township.....	537	522	581	Flora township.....	537	554	654
Levan township.....	466	386	260	Franklin village.....	510	439	439
Lowry village.....	225	252	461	Hawk Creek township.....	510	522	602
Minnewaska township.....	294	308	652	Hector township.....	564	550	579
New Prairie township.....	512	463	503	Hector village.....	830	866	654
Nora township.....	541	533	510	Henryville township.....	562	596	681
Reno township.....	434	474	153	Kingman township.....	547	517	470
Rolling Fork township.....	464	463	497	Martinsburg township.....	538	643	586
Sagan village.....	147	127	249	Melville township.....	510	489	582
Starbuck village.....	824	497	531	Morton village.....	700	761	789
Villard village.....	308	280	543	Norfolk township.....	439	430	504
Walden township.....	516	468	598	Olivia village.....	1,488	960	970
Westport township.....	541	477	.....			
White Bear Lake township.....	549	554	.....			
Ramsey County	244,554	223,675	170,554				
Mounds View township.....	1,058	1,115	1,003				
New Brighton village.....	368	375	350				
New Canada township.....	1,729	2,012	1,644				
North St. Paul village.....	1,979	1,404	1,110				
Rose township.....	1,562	1,098	1,076				
St. Paul city.....	234,608	214,744	163,065				
White Bear township.....	1,138	1,422	1,018				
White Bear Lake village.....	2,022	1,505	1,288				

²⁰ RED LAKE.—Totals for 1910 and 1900 include population as follows: Of Deer Park township (193 in 1910; organized between 1900 and 1910), annexed to Equality township since 1910; of Mayfield and Wyandotte townships (193 in 1910; 308 in 1900), annexed to Garnes and Emardville townships, respectively, since 1910; of Bray, Norden, North, Numedal, Emardville townships, respectively, since 1910; of Bray, 42, St. Hilaire village, and Thief River Falls city (4,621 in 1900), taken to form part of Black River to Browns Creek; River Falls to River; Polk Center to Wylie. Oklee village incorporated from part of Lambert township since 1910.

²¹ REDWOOD.—North Redwood village made independent of Honner township since 1910.

²² RENVILLE.—Fairfax village made independent of Cairo township since 1910.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Renville County—Continued.				Roseau County—Continued.			
Osceola township.....	509	522	554	Reine township * (T. 159, R. 38).....	193	49	.....
Palmyra township.....	597	651	714	Roosevelt village.....	276	252	.....
Preston Lake township, including Buffalo Lake village.....	1,105	907	928	Roseau village.....	1,012	644	801
Renville city.....	1,142	1,182	1,075	Ross township.....	373	399	406
Sacred Heart township.....	817	953	1,015	Skagen township.....	284	294	350
Sacred Heart village.....	763	587	538	Soler township.....	287	297	258
Troy township, including Danube village.....	344	301	723	Spruce township.....	320	250	261
Wang township.....	674	707	770	Spruce Valley township * (T. 163, R. 39, and frac. T. 164, R. 39).....	99	49	55
Wellington township.....	571	597	682	Stafford township.....	311	280	342
Winfield township.....	600	622	677	Stokes township.....	317	314	348
				Warroad village.....	1,211	927	238
Rice County.....	28,307	25,911	26,080	Township 160, range 37.....	50	.....	.....
Bridgewater township.....	899	844	986	Township 162, range 44.....	58	60	7
Cannon City township.....	368	1,076	1,086	Township 163, range 40.....	65	4	.....
Dundas village.....	373	357	493	Township 163, range 43.....	1	4	.....
Erin township.....	860	925	1,040	Fractional township 164, range 36.....	13	1	.....
Faribault city.....	11,080	9,001	7,898	Fractional township 164, range 40.....	2	.....	.....
Forest township.....	802	822	919	Fractional township 164, range 43.....	38	.....	.....
Lonsdale village *.....	450	271	.....			
Morristown township.....	798	911	1,026	St. Louis County.....	206,391	163,274	82,932
Morristown village.....	688	592	589	Alango township * (T. 61, R. 19).....	511	335	.....
Nerstrand village.....	245	292	259	Alborn township.....	257	266	62
Northfield city.....	4,023	3,265	3,210	Allen township.....	1	(*)	179
Northfield township.....	705	721	704	Angora township.....	392	255	.....
Richland township.....	709	675	789	Ault township * (T. 55, Rs. 12 and 13).....	111	474	76
Shieldsville township.....	727	807	925	Aurora village.....	2,800	1,919	.....
Vesell village.....	179	235	249	Balkan township * (T. 59, R. 20, and part of T. 58, R. 20).....	670	48	.....
Walcott township.....	873	807	1,127	Bassett township * (Tps. 57 and 58, Rs. 12 and 13).....	235	314	.....
Warsaw township.....	763	826	854	Beatty township.....	139	53	12
Webster township.....	977	986	1,071	Biwabik township.....	304	778	574
Wells township.....	751	800	921	Biwabik village.....	2,024	1,690	1,299
Wheatland township *.....	891	2,908	1,032	Bretting township.....	1,227	1,214	2,034
Wheeling township.....	638	615	710	Buyck township.....	307	287	15
				Canosa township.....	311	242	221
Rock County.....	10,965	10,222	9,668	Cedar Valley township * (Tps. 53 and 54, R. 21).....	323	234	98
Battle Plain township.....	480	449	464	Chisholm village.....	9,039	7,684	.....
Beaver Creek township.....	767	699	736	Clinton township, including Iron Junction village.....	752	316	224
Beaver Creek village.....	217	195	186	Colvin township * (T. 56, R. 15).....	370	252	.....
Clinton township.....	828	676	624	Cotton township.....	376	325	.....
Denver township.....	442	451	441	Culver township, including Brookston village.....	371	331	185
Hardwick village.....	217	292	269	Duluth city.....	98,917	78,466	52,969
Hills village.....	418	393	.....	Duluth township.....	841	358	194
Jasper village * (part of).....	117	113	112	Ellsburg township * (T. 55, Rs. 16 and 17).....	145	37	.....
Kanaranz township.....	579	492	512	Ely city.....	4,902	3,572	3,717
Luverne city.....	2,782	2,540	2,223	Embarras township * (T. 60, R. 15).....	712	648	49
Luverne township.....	527	481	454	Eveleth city.....	7,205	7,036	2,752
Magnolia township *.....	362	436	433	Fairbanks township * (T. 56, Rs. 12 and 13).....	324	.....	.....
Magnolia village.....	219	189	176	Fayal township.....	1,360	1,141	1,016
Martin township.....	792	794	1,108	Fern township.....	57	144	.....
Mound township.....	445	471	449	Field township * (T. 62, R. 19).....	384	550	62
Rose Dell township.....	607	545	543	Fine Lakes township * (T. 50, R. 20).....	189	.....	.....
Springwater township.....	689	638	580	Floodwood township, including Floodwood village.....	722	745	310
Vienna township.....	477	441	378	Frederberg township.....	37	115	.....
				French township.....	31	107	.....
Roseau County.....	13,305	11,338	6,994	Gnessen township.....	329	280	248
Algoma township.....	58	59	.....	Grand Lake township.....	329	238	104
America township.....	172	151	15	Great Scott township, including Buhl and Kinney villages.....	3,963	2,322	108
Badger village.....	394	395	164	Halden township.....	365	205	75
Barnett township.....	311	309	137	Hermann township.....	842	925	625
Barto township.....	426	500	502	Hibbing village.....	15,080	8,832	2,481
Beaver township * (T. 160, R. 38).....	216	128	.....	Industrial township.....	789	382	168
Blooming Valley township.....	53	160	.....	Kelsey township.....	138	194	291
Cedarbend township.....	119	79	30	Kugler township.....	165	136	82
Clear River township.....	162	193	.....	Lakewood township.....	294	224	.....
Deer township.....	304	234	74	Lavell township *.....	632	548	.....
Dewey township.....	216	271	260	Leding township.....	892	610	22
Dieter township.....	371	386	492	Linden Grove township * (T. 62, R. 20).....	225	223	.....
Elkwood township * (T. 159, R. 37).....	212	53	.....	McDavitt township.....	398	357	156
Enstrom township * (T. 162, R. 38).....	289	131	12	McKinley village.....	395	411	262
Falun township.....	253	179	16	Meadow Lands township.....	773	451	.....
Golden Valley township.....	197	141	.....	Mesaba township, including Mesaba village.....	115	697	97
Greenbush village.....	310	274	.....	Midway township.....	983	525	324
Grimstad township.....	237	214	98	Misabe Mountain township, including Franklin and Gilbert villages.....	5,502	5,410	2,246
Hereim township.....	277	242	103	Morcom township.....	125	76	1
Huss township.....	285	306	.....	Morse township.....	602	967	493
Jadis township.....	522	538	554	Mountain Iron village *.....	1,546	1,343	470
Laona township.....	204	110	147	New Independence township.....	233	241	77
Lind township.....	190	232	201	Nichols township, * including Leonidas village.....	1,377	640	460
Malung township.....	367	300	366	Normanna township.....	93	251	50
Micknock township.....	321	199	130	Northland township.....	94	79	29
Moose township.....	297	308	388	Owens township * (part of T. 62, R. 18).....	500	.....	.....
Moranville township.....	367	234	77	Pike township.....	554	340	.....
Neresen township.....	172	172	126	Prairie Lake township * (T. 50, R. 21).....	136	199	41
Norland township * (T. 163, R. 38, and frac. T. 164, R. 38).....	100	115	.....	Proctorknott village.....	2,378	2,243	784
Oaks township.....	123	95	.....	Rice Lake township.....	916	580	281
Palmville township.....	105	117	47	Sandy township * (T. 60, R. 17).....	274	165	16
Pohlitz township.....	229	180	243	Selway township.....	522	332	115
Polonia township.....	189	279	248	Stuntz township, * including Kitzville village.....	3,921	5,577	1,083
Poplar Grove township.....	217	200	.....	Sturgeon township.....	184	135	2
				Toivola township * (T. 64, Rs. 19 and 20).....	427	85	.....
				Tower city.....	706	1,111	1,366
				Van Buren township.....	305	196	78
				Vermilion Lake township * (T. 61, R. 16).....	299	207	14

* RICE.—Totals for 1910 and 1900 include population (85 and 135, respectively) of Wheatland village, annexed to Wheatland township since 1910. Lonsdale village made independent of Wheatland township since 1910.

* ROCK.—For total population of Jasper village, see Table 3. Magnolia village made independent of Magnolia township since 1910.

* ROSEAU.—Beaver, Elkwood, Enstrom, Norland, Reine, and Spruce Valley townships organized from unorganized territory since 1910.

* ST. LOUIS.—For footnote, see following page.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
St. Louis County—Continued.				Scott County.....			
Virginia city.....	14,022	10,478	2,962	Belle Plaine borough.....	1,251	1,204	1,121
Waasa township ⁴⁵ (T. 60, R. 14).....	318	.....	.....	Belle Plaine township.....	926	933	1,147
White township.....	862	1,086	7	Blakely township.....	604	603	808
Willow Valley township ⁴⁵ (T. 63, R. 20).....	180	.....	.....	Cedar Lake township.....	765	830	952
Winton village ⁴⁵	499	426	.....	Credit River township.....	446	446	455
Wouri township.....	296	222	.....	Eagle Creek township.....	650	661	718
Township 60, range 18.....	203	105	.....	Glendale township, including Savage village.....	443	471	407
Township 60, range 19.....	146	67	6	Helena township.....	1,106	1,180	1,192
Township 61, range 19.....	120	57	13	Jackson township.....	200	242	214
Township 62, range 19.....	74	27	6	Jordan city.....	1,106	1,151	1,270
Township 62, range 21.....	123	69	4	Louisville township.....	273	830	856
Township 63, range 15.....	(⁴⁵)	27	.....	New Market township, including New Market village.....	1,330	1,313	1,276
Township 63, range 16.....	240	16	.....	New Prague city ⁴⁶ (part of).....	890	914	705
Township 63, range 20.....	67	43	3	St. Lawrence township.....	247	283	293
Township 64, range 13.....	61	14	.....	Sand Creek township.....	870	943	1,015
Township 64, range 14.....	5	4	89	Shakopee city.....	1,988	2,302	2,047
Township 64, range 15.....	23	109	.....	Spring Lake township, including Prior Lake village.....	1,132	1,034	1,171
Township 65, range 14.....	300	.....	.....	Sherburne County.....			
Township 65, range 15.....	73	14	.....	Baldwin township.....	640	588	416
Township 65, range 18.....	130	31	.....	Becker township, including Becker village.....	1,104	1,012	808
Township 65, range 21.....	70	69	.....	Big Lake township.....	686	564	531
Township 66, range 14.....	264	(⁴⁵)	2	Big Lake village.....	301	229	177
Township 66, range 16.....	340	196	.....	Blackhill township.....	454	358	413
Township 66, range 17.....	157	69	3	Clear Lake township, including Clear Lake village.....	748	701	637
Township 67, range 14.....	125	(⁴⁵)	27	Elk River township.....	684	548	515
Township 67, range 16.....	126	95	.....	Elk River village.....	983	859	831
Township 67, range 19.....	279	70	.....	Haven township.....	654	647	598
Township 68, range 14.....	100	62	37	Lake Fremont village ⁴⁷	240	175	.....
Township 69, range 12.....	(⁴⁵)	(⁴⁵)	2	Livonia township ⁴⁷	611	475	501
Township 69, range 13.....	14	100	.....	Orrock township.....	497	446	505
Township 69, range 21.....	(⁴⁵)	62	9	Palmer township.....	508	376	330
Township 69, range 22.....	84	14	.....	St. Cloud city ⁴⁸ (ward 7).....	896	809	410
Township 69, range 23.....	35	.....	.....	Santiago township.....	576	408	521
Township 69, range 24.....	49	2	.....	Sibley County.....			
Township 69, range 25.....	(⁴⁵)	43	.....	Alfsborg township.....	717	777	858
Township 69, range 26.....	92	122	.....	Arlington township.....	817	813	970
Township 69, range 27.....	38	56	.....	Arlington village.....	770	738	712
Township 69, range 28.....	26	5	.....	Bismarck township.....	660	653	669
Township 69, range 29.....	56	(⁴⁵)	1	Cornish township.....	600	640	752
Township 69, range 30.....	112	108	22	Dryden township.....	501	547	622
Township 69, range 31.....	116	12	37	Faxon township.....	287	403	469
Township 69, range 32.....	237	197	.....	Gaylord village.....	783	610	608
Township 69, range 33.....	8	14	.....	Gibbon village.....	583	533	546
Township 69, range 34.....	20	(⁴⁵)	58	Grafton township.....	612	688	702
Township 69, range 35.....	18	14	40	Green Isle township.....	797	778	630
Township 69, range 36.....	116	89	.....	Green Isle village.....	262	256	275
Township 69, range 37.....	282	270	.....	Henderson city.....	706	753	904
Township 69, range 38.....	62	6	.....	Henderson township.....	595	602	805
Township 69, range 39.....	(⁴⁵)	10	.....	Jessenland township.....	720	765	800
Township 69, range 40.....	(⁴⁵)	18	.....	Kelso township.....	565	619	665
Township 69, range 41.....	3	8	2	Moltke township.....	711	711	669
Township 69, range 42.....	57	15	1	New Auburn township.....	739	699	769
Township 69, range 43.....	185	34	5	New Auburn village.....	209	201	274
Township 69, range 44.....	63	.....	.....	Severance township.....	609	604	697
Township 69, range 45.....	96	7	8	Sibley township.....	579	571	684
Township 69, range 46.....	104	82	.....	Transit township.....	650	636	731
Township 69, range 47.....	283	1	5	Washington Lake township.....	784	748	833
Township 69, range 48.....	54	18	.....	Winthrop city.....	1,147	1,043	813
Township 69, range 49.....	20	14	5	Stearns County.....			
Township 69, range 50.....	11	15	10	Albany township, including Albany village.....	1,822	1,623	1,554
Township 69, range 51.....	123	(⁴⁵)	1	Ashley township.....	477	533	606
Township 69, range 52.....	98	(⁴⁵)	3	Avon township, including Avon village and part of St. Anna village.....	1,000	1,035	860
Township 69, range 53.....	201	54	2	Brockway township, including St. Stephens village.....	1,243	1,244	1,107
Township 69, range 54.....	23	285	1	Broten village.....	649	562	259
Township 69, range 55.....	4	3	.....	Collegeville township.....	777	606	655
Township 69, range 56.....	235	(⁴⁵)	0	Crow Lake township.....	374	438	549
Township 69, range 57.....	90	(⁴⁵)	2	Crow River township, including Belgrade village.....	1,042	940	1,030
Fractional township 69, range 17.....	.....	(⁴⁵)	5	Eden Lake township, including part of Eden Valley village ⁴⁸	1,103	1,186	1,115
Fractional township 69, range 18.....	.....	5	7	Fairhaven township.....	734	623	737
Fractional township 69, range 19.....	.....	10	.....	Farming township.....	911	956	899
Fractional township 69, range 20.....	.....	17	.....	Getty township.....	574	605	680
Fractional township 69, range 21.....	.....	.....	.....	Grove township, including Greenwald and Meire Grove villages.....	950	848	834
Fractional township 69, range 22.....	.....	.....	.....	Holding township, including Holding village and part of St. Anna village.....	1,922	1,619	1,547
Fractional township 69, range 23.....	.....	.....	.....	Krain township, including St. Anthony village.....	1,314	1,329	1,125
Fractional township 69, range 24.....	.....	.....	.....	Lake George township.....	710	678	661
Fractional township 69, range 25.....	.....	.....	.....	Lake Henry township, including Lake Henry village.....	628	606	633
Fractional township 69, range 26.....	.....	.....	.....	Le Sauk township, including part of Sartell village ⁴⁹	744	518	349

⁴⁵ ST. LOUIS.—Totals for 1910 and 1900 include population as follows: Of township 56, range 21 (56 in 1910; 12 in 1900), annexed, together with township 56, range 20 (returned as part of Lavell township in 1910), and part of township 58, range 21 (not returned separately in 1910), to Stuntz township since 1910; of Boise Fort Indian Reservation (210 in 1910), lands allotted to Indians since 1910; and of Vermilion Lake Indian Reservation and part of Boise Fort Indian Reservation (831 in 1900), opened for settlement between 1900 and 1910. Townships organized since 1910: Alango, Balkan, Bassett (to which St. Louis township has since been annexed), Cedar Valley, Colvin, Ellsburg, Sandy, Toivola, and Vermilion Lake, from unorganized territory; Fairbanks from part of Aul; Fine Lakes from part of Prairie Lake; Owens from part of Field; Waasa from part of Embarras; Willow Valley from part of Linden Grove. Costin village, formerly in Nichols township, annexed to Mountain Iron village since 1910. Name of Winton village changed from Fall Lake since 1910. No population reported in 1920 for township 63, range 18; township 69, range 12; township 69 (north 1/2), range 18; township 69, range 18; townships 64, ranges 13 and 14; and township 65, range 15. No population reported in 1910 for Allen township; township 56, range 14; township 67, range 14; township 69, range 12; township 61, range 17; township 63, range 16; townships 67, ranges 18 and 19; townships 68, ranges 20 and 21; fractional township 69, range 17; and fractional township 70, range 19. Population of townships bracketed not returned separately in 1920. Seventeen unorganized townships, for which no population was reported at the census of 1920 and for which no returns were made in 1910 and 1900, are not shown in this table.

⁴⁶ SCOTT.—For total population of New Prague city, see Table 3.

⁴⁷ SHERBURNE.—Lake Fremont village made independent of Livonia township since 1910. For total population of St. Cloud city, see Table 3.

⁴⁸ STEARNS.—For footnote, see following page.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Stearns County—Continued.				Swift County—Continued.			
Luxemburg township, including St. Nicholas village.	1,095	1,117	1,083	Kildare township.	420	334	450
Lynden township.	495	388	431	Marysland township.	408	332	450
Maine Prairie township, including Kimball Prairie village.	1,613	1,418	1,512	Moyer township, including Holloway village.	656	579	610
Melrose city.	2,529	2,591	1,768	Murdoch village.	391	288	275
Melrose township.	803	768	821	Pillsbury township.	476	407	484
Millwood township.	978	894	740	Shibley township.	482	481	470
Munson township, including Richmond village and part of Roscoe village.	1,501	1,380	1,368	Six Mile Grove township.	372	295	364
North Fork township.	565	577	640	Swanoda township.	476	469	515
Oak township, including Freeport and New Munich villages.	1,574	1,361	1,149	Tara township.	373	366	340
Paynesville township.	548	450	450	Torning township.	571	451	491
Paynesville village.	1,090	901	373	Westbank township.	629	545	618
Raymond township.	456	494	536	Todd County			
Rockville township, including Rockville village.	779	662	584		26,059	23,407	22,214
St. Augusta township.	821	760	819	Bartlett township.	665	621	586
St. Cloud city ⁴⁸ (wards 1 to 4).	18,244	8,611	7,340	Bertha township.	770	714	816
St. Cloud township ⁴⁸ .	609	654	727	Bertha village.	444	296	277
St. Joseph township, including St. Joseph village.	1,485	1,427	1,137	Brochdale township.	504	444	446
St. Martin township, including St. Martin village.	752	778	793	Browerville village.	681	633	466
St. Wendel township.	702	643	636	Bruce township.	526	519	448
Sauk Center city.	2,699	2,154	2,220	Burleontownship.	483	416	426
Sauk Center township.	615	578	607	Burnhamville township.	793	731	1,015
Spring Hill township, including Spring Hill village.	683	753	878	Burtrum village.	212	217	...
Waite Park village.	963	406	317	Clarissa village.	421	364	233
Wakefield township, including Cold Spring village.	1,440	1,329	1,095	Eagle Bend village.	600	551	547
Zion township, including part of Roscoe village.	578	675	695	Eagle Valley township.	977	913	835
				Fawn Lake township.	332	201	254
Steele County				Germania township.	682	510	485
	18,061	16,146	16,524	Gordon township.	459	648	820
Aurora township.	815	817	965	Grey Eagletownship.	654	516	443
Berlin township.	748	716	811	Grey Eagle village.	399	378	313
Blooming Prairie township.	698	751	800	Hartford township.	887	816	1,025
Blooming Prairie village.	1,012	854	855	Hewitt village.	309	322	311
Clinton Falls township.	473	462	517	Iona township.	957	899	918
Deerfield township.	754	678	707	Kandota township.	426	393	423
Elkendale village.	367	261	...	Leslie township.	690	601	651
Havana township.	718	781	808	Little Elk township.	380	310	...
Lemond township.	337	701	701	Little Sauk township.	795	647	783
Medford township.	605	616	667	Long Prairie township.	1,101	1,045	790
Meriden township.	764	805	880	Long Prairie village.	1,346	1,250	1,385
Merton township.	675	608	769	Moran township.	610	498	526
Owatonna city.	7,252	5,658	5,561	Osakis village ⁴⁹ (part of).	340	89	102
Owatonna township.	600	635	626	Reynoldstownship.	749	733	892
Somersot township.	885	883	908	Round Prairie township.	782	698	742
Summit township.	759	740	709	Staples city.	2,570	2,553	1,604
				Staples township.	817	619	483
Stevens County				Stowe Prairie township.	640	611	608
	9,778	8,293	8,721	Turtle Creek township.	334	225	269
Alberta village ⁴⁹ .	109	...	...	Villard township.	378	341	384
Baker township.	347	320	469	Ward township.	833	801	813
Chokio village.	420	328	309	West Union township.	448	424	592
Darnen township.	292	355	423	West Union village.	169	161	...
Donnelly township.	368	349	350	Wykeham township.	800	604	594
Donnelly village.	354	276	104		7,943	8,049	7,573
Eldorado township.	282	225	255	Arthur township.	384	384	307
Everglade township.	277	255	336	Browns Valley village.	1,073	1,058	721
Framnas township.	470	420	474	Clifton township.	260	268	200
Hancock village.	763	524	415	Croke township.	292	306	207
Hodges township.	332	282	273	Dollymount township.	226	212	265
Horton township.	521	367	290	Dumont village.	210	188	238
Moore township.	345	327	259	Folsom township.	192	201	210
Morris city.	2,320	1,685	1,934	Lake Valley township.	657	742	746
Morris township.	406	367	315	Leonardsville township.	339	373	392
Pepperton township.	338	325	382	Monson township.	540	503	664
Rendsville township.	305	444	444	Parnell township.	415	364	340
Scott township ⁴⁹ .	350	364	366	Redpath township.	244	226	284
Stevens township.	358	373	424	Tara township.	376	374	335
Swan Lake township.	358	378	435	Taylor township.	396	439	431
Synnes township.	373	320	414	Tintah township.	226	182	141
				Tintah village.	249	217	220
Swift County				Walls township.	310	303	382
	15,093	12,949	13,503	Wheaton village.	1,337	1,300	1,132
Appleton township.	369	300	274	Windsor township.	207	166	171
Appleton village.	1,579	1,221	1,184		17,919	18,554	18,924
Benson city.	2,111	1,677	1,825	Chestertownship.	761	786	875
Benson township.	383	329	400	Elgin township.	628	602	735
Camp Lake township.	524	488	584	Elgin village.	501	324	344
Cashel township.	456	372	446	Gilford township.	659	746	771
Clontarf township.	203	142	312	Glasgow township.	407	442	514
Clontarf village.	223	153	...	Greenfield township.	605	502	676
Danvers village.	253	215	112	Hammond village.	226	241	238
De Graft village.	240	215	105	Highland township.	622	600	714
Dublin township.	398	358	398	Hyde Park township.	341	365	413
Edison township.	414	392	461	Kellogg village.	370	372	228
Fairfield township.	398	450	484	Lake City.	2,846	3,142	2,744
Hayes township.	553	520	481	Lakotownship.	330	354	348
Hegbert township.	500	472	494	Mazeppa township.	613	482	588
Kerkhoven township.	661	619	665	Mazeppa village.	481	471	555
Kerkhoven village.	568	432	411	Millville village.	194	156	149
				Minneiska township.	230	251	241
				Minneiska village.	208	395	372
				Mount Pleasant township.	567	574	631
				Oakwood township.	626	580	668

⁴⁸ STEARNS.—Total for 1900 includes population (485) of New Paynesville village, annexed to Paynesville township and Paynesville village between 1900 and 1910. Part of St. Cloud township annexed to St. Cloud city since 1910. For total population of St. Cloud city and Eden Valley and Sartell villages, see Table 3.

⁴⁹ STEVENS.—Alberta village incorporated from part of Scott township since 1910.

⁵⁰ TODD.—For total population of Osakis village, see Table 3.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 964. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Wabasha County—Continued.				Watson County—Continued.			
Pepin township.....	459	497	606	Riverdale township.....	750	727	716
Plainview township.....	732	718	737	Rosendale township.....	646	671	516
Plainview village.....	1,370	1,175	1,038	St. James city.....	2,673	2,102	2,607
Wabasha city.....	2,249	2,622	2,528	St. James township.....	591	575	614
Watopa township.....	482	425	493	South Branch township.....	606	617	552
West Albany township.....	654	657	761				
Zumbro township.....	596	657	733				
Zumbro Falls village.....	193	208	173				
				Wilkin County.....	10,187	9,063	8,080
Wadena County.....				Akron township.....	406	366	402
	10,609	8,652	7,921	Andrea township.....	177	189	255
Aldrich township.....	743	586	465	Atherton township.....	289	213	332
Blueberry township.....	489	322	264	Bradford township.....	315	267	286
Bullard township.....	135	117	130	Brandrup township, including Doran village.....	574	572	527
Huntersville township.....	183	147	69	Breckenridge city.....	2,401	1,840	1,282
Leaf River township.....	655	535	436	Breckenridge township.....	210	217	256
Lyons township.....	254	219	260	Campbell township, including Tonney village.....	476	482	433
Meadow township.....	395	237	109	Campbell village.....	424	303	239
Menahga village.....	478	346	413	Champion township, including Nashua village.....	404	345	200
North Germany township.....	476	380	352	Connelly township.....	202	173	157
Orton township.....	250	154	87	Deerhorn township.....	190	212	341
Red Eye township.....	682	607	401	Foxhome township, including Foxhome village.....	509	372	265
Rockwood township.....	562	423	455	Kent village.....	150	238	
Sebekka village.....	585	428	223	McCauleyville township.....	181	185	275
Shell River township.....	380	205	267	Manston township.....	214	158	190
Thomastown township.....	632	648	629	Meadows township.....	223	168	149
Verndale village.....	571	538	672	Mitchell township.....	251	231	194
Wadena township.....	565	500	606	Neilson township.....	151	94	
Wadena village.....	2,186	1,820	1,520	Nordick township.....	243	202	212
Wing River township.....	478	340	414	Prairie View township.....	394	403	425
				Roberts township.....	260	294	249
Waseca County.....				Rothsay village.....	398	343	296
	14,133	13,466	14,760	Sunnyside township.....	296	277	225
Alton township.....	666	701	941	Tanberg township.....	300	277	380
Blooming Grove township.....	587	788	887	Wolverton township ⁶³	360	642	450
Byron township.....	616	568	576	Wolverton village ⁶³	170		
Freedom township.....	630	734	873				
Iosco township.....	686	760	822	Winona County.....	33,653	33,398	35,668
Janesville township.....	679	740	884				
Janesville village.....	1,261	1,173	1,254	Altura village.....	189	200	
New Richland township.....	855	815	869	Dresbach township.....	308	301	323
New Richland village.....	754	685	750	Dresbach village.....	176	174	285
Otisco township.....	806	852	902	Elba township.....	429	512	495
St. Mary township.....	647	673	681	Elba village.....	172	151	198
Vivian township.....	759	671	678	Fremont township.....	614	726	747
Waseca city.....	3,908	3,054	3,103	Hart township.....	598	666	773
Wilton township.....	633	677	773	Hillsdale township.....	454	421	541
Woodville township.....	546	575	767	Homer township.....	788	812	1,009
				Lewiston village.....	758	473	371
Washington County.....				Minnesota City village.....	141	211	242
	23,761	26,013	27,808	Mount Vernon township.....	464	556	526
Afton township ⁶⁴	807	1,047	1,130	New Hartford township.....	795	879	888
Afton village ⁶⁴	183			Norton township.....	533	548	776
Baytown township.....	584	682	831	Pleasant Hill township.....	705	728	845
Cottage Grove township.....	667	743	830	Richmond township.....	323	362	290
Dellwood village ⁶⁴	87			Rollingstone township.....	487	559	527
Denmark township.....	645	694	710	Rollingstone village.....	272	205	202
Forest Lake township.....	584	650	618	St. Charles city.....	1,351	1,159	1,304
Forest Lake village.....	800	540	241	St. Charles township.....	584	557	608
Grant township ⁶⁴	600	1,242	822	Saratoga township.....	563	572	644
Hugo village.....	246	264		Utica township.....	688	805	828
Lakeland township.....	590	636	683	Utica village.....	189	172	204
Lincoln township ⁶⁴	729			Warren township.....	713	770	808
Marine village.....	361	491	562	Whitewater township.....	543	548	670
May township.....	674	881	721	Wilson township.....	836	851	945
New Scandia township.....	1,093	1,076	1,164	Winona city.....	19,143	18,583	19,714
Newport township, including St. Paul Park village.....	1,031	943	773	Winona township.....	320	322	282
Newport village.....	453	270	307	Wiscovy township.....	512	575	641
Oakdale township.....	1,163	1,090	1,072				
Oneka township.....	810	873	1,053	Wright County.....	28,685	28,082	29,157
South Stillwater village.....	1,986	1,843	1,422				
Stillwater city.....	7,735	10,198	12,318	Albion township.....	984	1,206	1,419
Stillwater township.....	1,027	1,207	1,321	Annandale village.....	644	624	481
Woodbury township.....	956	1,039	1,200	Buffalo township.....	1,006	977	830
				Buffalo village.....	1,438	1,227	1,040
Watson County.....				Chatham township.....	490	485	563
	12,457	11,882	11,496	Clearwater township, including Clearwater village.....	821	766	757
Adrian township.....	563	481	559	Cokato township.....	1,322	1,314	1,421
Antrim township.....	555	582	591	Cokato village.....	1,014	718	684
Butterfield township.....	560	602	439	Corinna township.....	727	804	870
Butterfield village.....	404	377	332	Dayton village ⁶⁴ (part of).....	11		
Darfur village.....	112	72		Delano village.....	924	1,031	967
Fielston township.....	538	635	547	Frankfort township, including St. Michael village and part of St. Michael Station village.....	1,537	1,462	1,349
Lewisville village.....	229	218		Franklin township.....	1,379	1,494	1,531
Long Lake township.....	560	583	650	French Lake township.....	1,343	1,281	1,204
Madelia township.....	609	674	651	Hanover village ⁶⁴ (part of).....	158	160	170
Madelia village.....	1,447	1,273	1,272	Howard Lake village.....	744	626	737
Nelson township.....	667	684	806	Maple Lake township.....	891	833	944
Odin township.....	629	684	594	Maple Lake village.....	677	522	470
Odin village.....	195	139		Marysville township.....	1,100	1,132	1,332
Ormsby village ⁶⁴ (part of).....	84	66		Middleville township.....	1,231	1,311	1,412

⁶³ WASHINGTON.—Afton village incorporated from part of Afton township, and Dellwood village from part of Grant township, since 1910. Lincoln township organized from part of Grant township since 1910.

⁶⁴ WATONWAN.—For total population of Ormsby village, see Table 3.

⁶³ WILKIN.—Wolverton village incorporated from part of Wolverton township since 1910.

⁶⁴ WRIGHT.—For footnote, see following page.

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

[Counties showing no totals for 1900 were organized between 1900 and 1910. For changes in township 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. 664. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Wright County—Continued.				Yellow Medicine County—Continued.			
Montrose village.....	208	284	305	Florida township.....	413	338	280
Otsego township, including part of St. Michael Station village.....	1,021	983	1,105	Fortier township.....	486	398	350
Rockford township.....	984	1,080	1,144	Friendship township, including Clarkfield village.....	1,322	1,140	999
Rockford village ⁶⁴ (part of).....	317	287	340	Granite Falls city ⁶⁵ (part of).....	1,251	1,079	948
Silver Creek township.....	1,135	1,015	973	Hammer township.....	510	412	543
South Haven village.....	346	287	.....	Hanley Falls village.....	328	275	278
Southside township.....	596	602	900	Hazel Run township, including Hazel Run village.....	502	498	477
Stockholm township.....	1,128	1,259	1,475	Lisbon township.....	517	554	677
Victor township.....	964	900	1,160	Minnesota Falls township.....	545	525	403
Waverly village.....	418	460	542	Norman township.....	424	430	411
Woodland township.....	999	1,036	1,134	Normania township.....	591	584	538
Yellow Medicine County.....	10,550	15,406	14,602	Omro township.....	654	660	683
Burton township.....	528	518	470	Oshkosh township.....	533	512	552
Canby city.....	1,754	1,528	1,100	Porter village.....	257	253	196
Echo township.....	510	572	525	Posen township.....	547	565	553
Echo village.....	482	430	354	Sandnes township.....	450	472	589
⁶⁴ WRIGHT.—For total population of Dayton, Hanover, and Rockford villages, see Table 3.				Sioux Agency township.....	751	763	619
⁶⁵ YELLOW MEDICINE.—Total for 1900 includes population (39) of Otis township, annexed to Stony Run township between 1900 and 1910. For total population of Granite Falls city, see Table 3.				Stony Run township ⁶⁶	612	586	606
				Swede Prairie township.....	514	517	509
				Tyro township.....	588	583	536
				Wergeland township.....	417	398	416
				Wood Lake township.....	550	524	506
				Wood Lake village.....	447	292	264

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, VILLAGE, OR BOROUGH.	County.	1920	1910	1900	CITY, VILLAGE, OR BOROUGH.	County.	1920	1910	1900
Ada city.....	Norman.....	1,411	1,432	1,253	Benson city.....	Swift.....	2,111	1,677	1,525
Adams village.....	Mower.....	609	576	573	Benton village.....	Carver.....	40	42	52
Adrian village.....	Nobles.....	1,087	1,112	1,258	Bertha village.....	Todd.....	444	296	277
Aiton village.....	Washington.....	183	.....	.....	Bethel village.....	Anoka.....	265	221	.....
Aitkin village.....	Aitkin.....	1,490	1,638	1,719	Big Falls village.....	Koochiching.....	365	325	.....
Akeley village.....	Hubbard.....	855	.....	.....	Big Lake village.....	Sherburne.....	361	229	177
Albany village.....	Stearns.....	824	657	517	Bigelow village.....	Nobles.....	223	195	.....
Albert Lea city.....	Freeborn.....	8,056	6,192	4,500	Bigfork village.....	Itasca.....	160	167	.....
Alberta village.....	Stevens.....	109	.....	.....	Bingham Lake village.....	Cottonwood.....	273	285	311
Alden village.....	Freeborn.....	630	544	636	Bird Island village.....	Excelsior.....	976	931	846
Alexandria city.....	Douglas.....	3,388	3,001	2,681	Biwabik village.....	St. Louis.....	2,024	1,080	1,299
Alpha village.....	Jackson.....	201	223	209	Blackduck village.....	Beltrami.....	788	942	.....
Altura village.....	Winona.....	189	200	.....	Blooming Prairie village.....	Steele.....	1,012	854	855
Alvarado village.....	Marshall.....	361	128	.....	Blue Earth city.....	Faribault.....	2,508	2,319	2,900
Amboy village.....	Blue Earth.....	527	435	432	Bluffton village.....	Otter Tail.....	220	148	.....
Annandale village.....	Wright.....	644	624	481	Bovey village.....	Itasca.....	1,324	1,377	.....
Anoka city.....	Anoka.....	4,287	3,972	3,769	Bowling village.....	Morrison.....	247	104	.....
Appleton village.....	Swift.....	1,579	1,221	1,184	Boyd village.....	Lac qui Parle.....	549	431	335
Arco village.....	Lincoln.....	231	97	.....	Braham village.....	Isanti.....	611	406	.....
Argyle village.....	Marshall.....	956	744	829	Brainerd city.....	Crow Wing.....	9,591	8,526	7,524
Arlington village.....	Sibley.....	776	733	712	Brandon village.....	Douglas.....	292	276	272
Ashby village.....	Grant.....	388	334	279	Breckenridge city.....	Wilkin.....	2,401	1,840	1,282
Askov village.....	Pine.....	242	.....	.....	Brewster village.....	Nobles.....	405	811	234
Atwater village.....	Kandiyohi.....	735	600	588	Briceville village.....	Faribault.....	564	352	186
Audubon village.....	Becker.....	314	300	349	Bronson village.....	Kittson.....	181	101	.....
Aurora village.....	St. Louis.....	2,809	1,919	.....	Brook Park village.....	Pine.....	167	.....	.....
Austin city.....	Mower.....	10,118	6,960	5,474	Brooklyn Center village.....	Hennepin.....	788	.....	.....
A voca village.....	Murray.....	270	212	338	Brookston village.....	St. Louis.....	135	160	.....
Avon village.....	Stearns.....	709	277	162	Brown village.....	Stearns.....	649	502	259
Backus village.....	Cass.....	297	184	.....	Brownville village.....	Todd.....	681	633	468
Badger village.....	Roseau.....	394	395	164	Browns Valley village.....	Traverse.....	1,073	1,058	721
Bagley village.....	Clearwater.....	814	801	248	Brownsdale village.....	Mower.....	271	264	261
Balaton village.....	Lyon.....	664	804	209	Brownsville village.....	Houston.....	338	361	453
Banning village.....	Pine.....	44	149	.....	Brownstown village.....	McLeod.....	540	509	464
Barnesville city.....	Clay.....	1,564	1,353	1,326	Bruno village.....	Pine.....	217	229	.....
Barnum village.....	Carlton.....	242	262	391	Buckman village.....	Morrison.....	227	137	.....
Barrett village.....	Grant.....	358	278	237	Buffalo village.....	Wright.....	1,438	1,227	1,040
Barry village.....	Big Stone.....	107	105	.....	Buffalo Lake village.....	Renville.....	468	371	389
Battle Lake village.....	Otter Tail.....	828	567	420	Buhl village.....	St. Louis.....	2,007	1,005	.....
Baudette village.....	Beltrami.....	960	897	.....	Burtrum village.....	Todd.....	212	217	.....
Beardsley village.....	Big Stone.....	507	481	449	Butterfield village.....	Watonwan.....	404	377	332
Beaver Creek village.....	Rock.....	217	195	186	Byron village.....	Olmsted.....	302	272	347
Becker village.....	Sherburne.....	210	210	.....	Caledonia village.....	Houston.....	1,570	1,372	1,175
Belgrade village.....	Stearns.....	457	448	450	Callaway village.....	Becker.....	325	276	.....
Bellevue borough.....	Scott.....	1,251	1,204	1,121	Calumet village.....	Itasca.....	445	245	.....
Bellingham village.....	Lac qui Parle.....	405	359	380	Cambridge village.....	Isanti.....	1,080	900	737
Beltrami village.....	Polk.....	219	149	.....	Campbell village.....	Wilkin.....	424	303	239
Belview village.....	Redwood.....	381	290	254	Canby city.....	Yellow Medicine.....	1,754	1,528	1,100
Bemidji city.....	Beltrami.....	7,086	5,099	2,183	Cannon Falls city.....	Goodhue.....	1,315	1,365	1,539
Bena village.....	Cass.....	205	179	.....	Canton village.....	Filmore.....	365	345	312

¹ See county footnote, Table 2.

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, VILLAGE, OR BOROUGH.	County.	1920	1910	1900	CITY, VILLAGE, OR BOROUGH.	County.	1920	1910	1900
Carlos village.....	Douglas.....	208	167	.....	Eagle Lake village.....	Blue Earth.....	231	231	.....
Carlton village.....	Carlton.....	700	597	449	East Grand Forks city.....	Polk.....	2,490	2,538	2,077
Carver village.....	Carver.....	504	571	583	Easton village.....	Faribault.....	326	262	318
Cass Lake village.....	Cass.....	2,109	2,011	546	Echo village.....	Yellow Medicine.....	482	430	334
Center City village.....	Chisago.....	285	252	.....	Eden Valley village.....	Meeker.....	665	740	604
Centerville village.....	Anoka.....	209	.....	.....	Edgerton village.....	Stearns.....	.....	.....	.....
Ceylon village.....	Martin.....	543	330	.....	Edina village.....	Pipestone.....	657	881	450
Chandler village.....	Murray.....	272	225	.....	Elba village.....	Hennepin.....	1,833	1,191	749
Chanhassen village.....	Carver.....	129	164	175	Elbow Lake village.....	Winona.....	172	151	198
Chaska city.....	Carver.....	1,960	2,050	2,105	Elgin village.....	Grant.....	867	776	625
Chatfield city ¹	Fillmore.....	1,382	1,228	1,420	Ellsworth village.....	Wabasha.....	501	324	344
Chisago City village.....	Olmsted.....	422	270	.....	Elizabeth village.....	Otter Tail.....	204	169	188
Chisholm village.....	Chisago.....	9,039	7,084	.....	Elk River village.....	Sherburne.....	983	850	831
Chokio village.....	St. Louis.....	420	328	309	Elkton village.....	Mower.....	102	86	.....
Clara City village.....	Stevens.....	750	587	465	Ellendale village.....	Steele.....	367	261	.....
Claremont village.....	Chippewa.....	334	275	317	Ellsworth village.....	Nobles.....	667	536	454
Clarissa village.....	Dodge.....	421	364	233	Elmore village.....	Faribault.....	904	795	924
Clarkfield village.....	Todd.....	724	603	437	Ely city.....	St. Louis.....	4,902	3,572	3,717
Clear Lake village.....	Yellow Medicine.....	275	263	222	Elysian village.....	Le Sueur.....	354	345	469
Clearbrook village.....	Sherburne.....	310	.....	.....	Emmons village.....	Freeborn.....	297	223	179
Clearwater village.....	Clearwater.....	331	311	271	Erskine village.....	Polk.....	467	324	156
Clements village.....	Wright.....	196	132	.....	Evan village.....	Brown.....	123	112	.....
Cleveland village.....	Redwood.....	269	212	.....	Evansville village.....	Douglas.....	427	389	483
Climax village.....	Le Sueur.....	274	260	250	Eveleth city.....	St. Louis.....	7,205	7,086	2,752
Clinton village.....	Polk.....	612	384	340	Excelsior village.....	Hennepin.....	799	1,015	717
Clitherall village.....	Big Stone.....	178	187	167	Eyota village.....	Olmsted.....	403	423	424
Clontarf village.....	Otter Tail.....	223	153	.....	Fairfax village.....	Renville.....	1,066	815	642
Cloquet city.....	Swift.....	5,127	7,031	3,072	Fairmont city.....	Martin.....	4,430	2,958	3,040
Cobden village.....	Carlton.....	108	87	.....	Faribault city.....	Rice.....	11,089	9,001	7,868
Cohasset village.....	Brown.....	420	521	.....	Farmington village.....	Dakota.....	1,449	1,024	733
Cokato village.....	Itasca.....	1,014	718	684	Farris village.....	Hubbard.....	84	143	135
Cold Spring village.....	Wright.....	705	594	480	Farwell village.....	Pope.....	140	141	.....
Colebrook village.....	Stearns.....	1,300	1,613	.....	Federal Dam village.....	Cass.....	332	.....	.....
Cologne village.....	Itasca.....	383	390	238	Felton village.....	Clay.....	184	149	.....
Columbia Heights village.....	Carver.....	2,968	500	123	Fergus Falls city.....	Otter Tail.....	7,681	6,887	6,072
Comfrey village.....	Anoka.....	533	238	.....	Fertile village.....	Polk.....	800	614	587
Correll village.....	Brown.....	176	102	.....	Finlayson village.....	Pine.....	293	186	.....
Cottonwood village.....	Big Stone.....	813	770	549	Fisher village.....	Polk.....	305	328	410
Courtland village.....	Lyon.....	224	208	174	Flensburg village.....	Morrison.....	210	.....	.....
Cromwell village.....	Nicoll.....	164	143	.....	Floodwood village.....	St. Louis.....	277	481	224
Crookston city.....	Carlton.....	6,825	7,550	5,350	Foley village.....	Benton.....	837	710	172
Crosby village.....	Polk.....	3,500	.....	.....	Forada village.....	Douglas.....	92	66	.....
Crystal village.....	Crow Wing.....	814	329	.....	Forest Lake village.....	Washington.....	800	540	241
Currie village.....	Hennepin.....	405	.....	.....	Forston village.....	Mille Lacs.....	328	204	263
Cuyuna village.....	Murray.....	417	.....	.....	Fosston village.....	Polk.....	1,014	1,075	864
Cyrus village.....	Crow Wing.....	312	272	197	Fountain village.....	Fillmore.....	346	321	294
Dalton village.....	Pope.....	200	175	.....	Foxhome village.....	Wilkin.....	266	206	.....
Danube village.....	Otter Tail.....	300	217	.....	Franklin village.....	Renville.....	510	439	439
Danvers village.....	Renville.....	253	215	112	Franklin village.....	St. Louis.....	807	.....	.....
Darfur village.....	Swift.....	112	72	.....	Frazee village.....	Becker.....	1,277	1,645	1,000
Darwin village.....	Watsonwan.....	132	.....	.....	Freeport village.....	Stearns.....	525	450	313
Dassel village.....	Meeker.....	804	643	588	Frost village.....	Faribault.....	252	138	.....
Dawson city ²	Meeker.....	1,511	1,318	962	Fulda village.....	Murray.....	893	743	886
Dayton village ³	Lac qui Parle.....	299	343	.....	Funkley village.....	Beltrami.....	56	50	.....
De Graff village.....	Hennepin.....	246	215	165	Garfield village.....	Douglas.....	176	100	.....
Deephaven village.....	Wright.....	238	234	.....	Gary village.....	Norman.....	333	261	.....
Deer Creek village.....	Swift.....	381	313	275	Gaylord village.....	Sibley.....	783	610	608
Deer River village.....	Hennepin.....	1,044	900	251	Geneva village.....	Freeborn.....	207	140	218
Deerwood village.....	Otter Tail.....	532	586	.....	Genola village.....	Morrison.....	156	.....	.....
Delano village.....	Itasca.....	924	1,031	967	Georgetown village.....	Clay.....	136	182	.....
Delavan village.....	Crow Wing.....	318	254	321	Ghent village.....	Lyon.....	316	210	110
Delhi village.....	Wright.....	194	189	.....	Gibbon village.....	Sibley.....	583	533	545
Dellwood village.....	Faribault.....	87	.....	.....	Gilbert village.....	St. Louis.....	3,510	1,700	.....
Dennison village.....	Redwood.....	218	184	.....	Gleneco city.....	McLeod.....	1,747	1,788	1,780
Dent village.....	Washington.....	221	244	.....	Glenville village.....	Freeborn.....	379	368	351
Detroit city.....	Goodhue.....	3,426	2,807	.....	Glenwood city ⁴	Pope.....	2,187	2,161	1,116
Dexter village.....	Otter Tail.....	298	281	278	Glyndon village.....	Clay.....	382	295	250
Dilworth village.....	Becker.....	882	.....	.....	Golden Valley village.....	Hennepin.....	830	692	680
Dodge Center village.....	Mower.....	921	957	942	Gonvick village.....	Clearwater.....	276	.....	.....
Donaldson village.....	Clay.....	167	132	.....	Good Thunder village.....	Blue Earth.....	464	419	505
Donnelly village.....	Dodge.....	354	276	164	Goodhue village.....	Goodhue.....	398	408	241
Doran village.....	Kittson.....	98	93	.....	Goodridge village.....	Pennington.....	231	.....	.....
Dover village.....	Stevens.....	260	233	.....	Graceville village.....	Big Stone.....	1,022	987	856
Dresbach village.....	Wilkin.....	176	174	285	Granada village.....	Martin.....	387	333	309
Duluth city.....	Olmsted.....	98,917	78,466	52,969	Grand Marais village.....	Cook.....	443	355	.....
Dumont village.....	Winona.....	210	188	236	Grand Meadow village.....	Mower.....	579	552	477
Dundas village.....	St. Louis.....	373	357	493	Grand Rapids village.....	Itasca.....	2,914	2,230	1,428
Dundee village.....	Traverse.....	215	175	217	Granite Falls city ⁵	Chippewa.....	1,611	1,454	1,214
Dunnell village.....	Rice.....	247	170	.....	Grassston village.....	Yellow Medicine.....	.....	.....	.....
Eagle Bend village.....	Nobles.....	600	551	547	Green Isle village.....	Kanabec.....	239	189	.....
	Martin.....	.....	.....	.....	Greenbush village.....	Sibley.....	262	256	275
	Todd.....	.....	.....	.....		Roseau.....	310	274	.....

¹ Part in Fillmore County: 987 in 1920; 875 in 1910; 1,038 in 1900. Part in Olmsted County: 395 in 1920; 353 in 1910; 388 in 1900.

² Incorporated as a city since 1910.

³ Part in Hennepin County: 288 in 1920; part in Wright County: 11 in 1920. Returned in 1910 as located wholly in Hennepin County.

⁴ Part in Meeker County: 424 in 1920; 463 in 1910; 386 in 1900. Part in Stearns County: 241 in 1920; 237 in 1910; 218 in 1900.

⁵ Part in Chippewa County: 360 in 1920; 375 in 1910; 266 in 1900. Part in Yellow Medicine County: 1,251 in 1920; 1,079 in 1910; 948 in 1900.

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, VILLAGE, OR BOROUGH.	County.	1920	1910	1900	CITY, VILLAGE, OR BOROUGH.	County.	1920	1910	1900
Greenwald village.	Stearns.	153			La Prairie village.	Itasca.	63	48	88
Grey Eagle village.	Todd.	399	378	313	Lafayette village.	Nicollet.	309	195	
Grove City village.	Meeker.	388	351	316	Lake Benton village.	Lincoln.	944	844	890
Gryla village.	Marshall.	155			Lake City.	Wabasha.	2,846	3,142	2,744
Hackensack village.	Cass.	200	84		Lake Crystal village.	Blue Earth.	1,204	1,055	1,215
Hadley village.	Murray.	147			Lake Fremont village.	Sherburne.	240	175	
Hallock village.	Kittson.	1,012	910	805	Lake Henry village.	Stearns.	197		
Halstad village.	Norman.	528	494	442	Lake Park village.	Becker.	700	740	570
Hamburg village.	Carver.	153	153	133	Lake Wilson village.	Murray.	354	219	
Hammond village.	Wabasha.	226	241	233	Lakefield village.	Jackson.	1,346	924	862
Hampton village.	Dakota.	246	190	190	Lakeville village.	Dakota.	474	385	373
Hancock village.	Stevens.	763	524	415	Lambert village.	Redwood.	872	652	624
Hanley Falls village.	Yellow Medicine.	326	275	278	Lancaster village.	Kittson.	354	204	
Hanover village 1.	Hennepin.	199	267	259	Lanesboro village.	Fillmore.	1,015	987	1,102
Hanska village.	Wright.	412	310		Laporte village.	Hubbard.	216	140	
Hardwick village.	Brown.				Lastrup village.	Morrison.	121		
Harmony village.	Rock.	217	202	259	Le Roy village.	Mower.	707	702	772
Harris village.	Fillmore.	718	655	517	Le Sueur city.	Le Sueur.	1,795	1,755	1,937
Hartland village.	Chisago.	672	673	710	Le Sueur Center village.	Le Sueur.	883	741	478
Hastings city.	Freeborn.	229	227	817	Lengby village.	Polk.	170	107	
	Dakota.	4,571	3,983	3,811	Leonidas village.	St. Louis.	457		
Hatfield village.	Pipestone.	99			Lester Prairie village.	McLeod.	434	420	418
Hawley village.	Clay.	939	800	536	Lewiston village.	Winona.	758	473	371
Hayfield village.	Dodge.	709	589	439	Lewisville village.	Watowan.	229	218	
Hazel Run village.	Yellow Medicine.	145	121		Lindstrom village.	Chisago.	523	522	385
Hector village.	Renville.	890	860	654	Lismore village.	Nobles.	350	208	
Heidelberg village.	Le Sueur.	73	111	114	Littlefield village.	Meeker.	2,790	2,333	2,280
Henderson city.	Sibley.	766	753	904	Little Falls city.	Morrison.	5,500	6,078	5,774
Hendricks village.	Lincoln.	731	496		Littlefork village.	Koochiching.	397	104	
Hendrum village.	Norman.	354	355		Long Lake village.	Hennepin.	148	161	
Henning village.	Otter Tail.	755	603	545	Long Prairie village.	Todd.	1,346	1,250	1,385
Herman village.	Grant.	630	604	550	Lonsdale village.	Rice.	459	271	
Heron Lake village.	Jackson.	922	803	925	Louisburg village.	Lac qui Parle.	99	88	
Hewitt village.	Todd.	399	322	311	Lowry village.	Pope.	225	262	260
Hibbing village.	St. Louis.	15,089	8,852	2,481	Lucan village.	Redwood.	181	98	
Hill City village.	Aitkin.	928	220		Luce village.	Otter Tail.	135	139	
Hillman village.	Morrison.	35	(*)		Luverne city.	Rock.	2,782	2,540	2,223
Hills village.	Rock.	413	398		Lyle village.	Mower.	505	552	488
Hinckley village.	Pine.	673	673	459	McGregor village.	Aitkin.	195	126	
Hittlerdal village.	Clay.	204			McIntosh village.	Polk.	805	634	509
Hoffman village.	Grant.	475	391	270	McKinley village.	St. Louis.	395	411	262
Hokah village.	Houston.	407	400	536	Mabel village.	Fillmore.	550	549	494
Holding village.	Stearns.	507	278	191	Madelia village.	Watowan.	1,447	1,273	1,272
Holland village.	Pipestone.	318	293	255	Madison city.	Lac qui Parle.	1,838	1,811	1,336
Holloway village.	Swift.	289	215		Madison Lake village.	Blue Earth.	359	335	300
Holt village.	Marshall.	232			Magnolia village.	Rock.	219	189	176
Houston village.	Houston.	778	700	542	Mahnomen village.	Mahnomen.	1,076	796	
Howard Lake village.	Wright.	744	626	737	Mallard village.	Clearwater.	87	78	
Hugo village.	Washington.	246	264		Manganese village.	Crow Wing.	183		
Humboldt village.	Kittson.	198			Mankato city.	Blue Earth.	12,469	10,365	10,599
Hutchinson city.	McLeod.	3,379	2,368	2,496	Mantorville village.	Dodge.	381	410	602
Ihlen village.	Pipestone.	211			Maple Lake village.	Wright.	677	522	470
International Falls city 2.	Koochiching.	3,448	1,487		Maple Plain village.	Hennepin.	273		
Invergrove village.	Dakota.	363	200		Mapleton village.	Blue Earth.	857	809	1,008
Iona village.	Murray.	305	300	358	Marble village.	Itasca.	742	887	
Iron Junction village.	St. Louis.	92	76	118	Marietta village.	Lac qui Parle.	413	338	144
Ironton village.	Crow Wing.	1,165			Marine village.	Washington.	361	491	562
Isanti village.	Isanti.	411	316		Marshall city.	Lyon.	3,092	2,162	2,088
Ile village.	Miller Lakes.	328			Mayer village.	Carver.	144	161	
Ivanhoe village.	Lincoln.	655	484		Maynard village.	Chippewa.	536	386	245
Jackson village.	Jackson.	2,144	1,907	1,756	Mazeppa village.	Wabasha.	481	471	556
Janesville village.	Waseca.	1,261	1,173	1,254	Metre Grove village.	Stearns.	185	163	165
Jasper village 4.	Pipestone.	908	704	559	Melrose city.	Stearns.	2,520	2,591	1,788
Jeffers village.	Rock.	393			Menasha village.	Wadena.	478	346	413
Jennings village.	Cottonwood.	227			Mendota village.	Dakota.	193	245	282
Jenkins village.	Crow Wing.	125	130		Mentor village.	Polk.	255	222	
Johnson village.	Big Stone.	100	192		Mesa village.	St. Louis.	54	84	62
Jordan city.	Scott.	1,106	1,151	1,270	Middle River village.	Marshall.	324	149	
Kandyohi village.	Kandyohi.	184	185		Millaca village.	Miller Lakes.	1,347	1,102	1,204
Karlstad village.	Kittson.	286	138		Milan village.	Chippewa.	500	468	396
Kasota village.	Le Sueur.	680	700	764	Millerville village.	Douglas.	152	150	
Kasson village.	Dodge.	1,150	932	1,112	Millville village.	Wabasha.	194	156	149
Keewatin village.	Itasca.	1,879	695		Minroy village.	Redwood.	177	137	
Kelliber village.	Beltrami.	514	294		Minneapolis city.	Hennepin.	380,582	301,408	202,718
Kellogg village.	Wabasha.	372	228		Minneapolis city.	Wabasha.	208	395	872
Kennedy village.	Kittson.	311	232	153	Minneota village.	Lyon.	894	819	777
Kensington village.	Douglas.	252	244	207	Minnesota City village.	Winona.	141	211	242
Kent village.	Willkin.	150	238		Minnesota Lake village.	Faribault.	450	445	513
Kenyon village.	Goodhue.	1,362	1,237	1,262	Minnetonka Beach village.	Hennepin.	94	106	101
Kerkhoven village.	Swift.	588	432	411	Mizpah village.	Koochiching.	212	149	
Kiester village.	Faribault.	257	258		Monterey village.	Martin.	317	177	
Kilkenny village.	Le Sueur.	218	208	245	Montevideo city.	Chippewa.	4,419	3,056	2,146
Kimball Prairie village.	Stearns.	445	312	327	Montgomery city.	Le Sueur.	1,207	1,267	979
Kinbrae village.	Nobles.	121	137	137	Monticello village.	Wright.	1,024	858	813
Kinney village.	St. Louis.	1,200			Montrose village.	Wright.	268	284	305
Kitzville village.	St. Louis.	480							
La Crescent village.	Houston.	367	372						

1 Part in Hennepin County: 41 in 1920; 107 in 1910; 89 in 1900. Part in Wright County: 158 in 1920; 160 in 1910; 170 in 1900.

2 Not returned separately in 1910.

3 Incorporated as a city since 1910.

4 Part in Pipestone County: 851 in 1920; 591 in 1910; 447 in 1900. Part in Rock County: 117 in 1920; 113 in 1910; 112 in 1900.

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, VILLAGE, OR BOROUGH.	County.	1920	1910	1900	CITY, VILLAGE, OR BOROUGH.	County.	1920	1910	1900
Moorhead city.....	Clay.....	5,720	4,840	3,780	Princeton village.....	Mille Lacs.....	1,685	1,555	1,319
Moose Lake village.....	Carlton.....	671	526	354	Prior Lake village.....	Scott.....	246	162	148
Mora village.....	Kanabec.....	1,006	892	785	Proctorville village.....	St. Louis.....	2,378	2,243	784
Morgan village.....	Redwood.....	670	553	592	Randall village.....	Morrison.....	301	195	.....
Morris city.....	Stevens.....	2,320	1,685	1,934	Randolph village.....	Dakota.....	170	182	.....
Morristown village.....	Rice.....	688	592	589	Ranier village.....	Koochiching.....	157	190	.....
Morton village.....	Renville.....	709	761	789	Raymond village.....	Kandiyohi.....	416	334	282
Motley village.....	Morrison.....	396	428	404	Red Lake Falls city.....	Red Lake.....	1,649	1,757	1,885
Motordale village ¹	Carver.....	230	210	.....	Red Wing city.....	Goodhue.....	8,637	9,048	7,625
Mound village.....	Hennepin.....	393	.....	.....	Redby village.....	Beltrami.....	93	92	.....
Mountain Iron village ²	St. Louis.....	1,546	1,343	470	Redwood Falls city.....	Redwood.....	2,421	1,600	1,661
Mountain Lake village.....	Cottonwood.....	1,309	1,081	959	Remer village.....	Cass.....	290	.....	.....
Murdock village.....	Swift.....	391	288	275	Renville city.....	Renville.....	1,142	1,182	1,075
Nashua village.....	Wilkin.....	127	271	.....	Revere village.....	Redwood.....	134	134	.....
Nashwauk village.....	Itasca.....	2,414	2,080	.....	Rice village.....	Benton.....	315	262	232
Nassau village.....	Lac qui Parle.....	168	213	134	Richfield village.....	Hennepin.....	2,411	2,673	.....
Nelson village.....	Douglas.....	159	157	.....	Richmond village.....	Stearns.....	651	563	600
Nerstrand village.....	Rice.....	245	292	256	Richville village.....	Otter Tail.....	281	255	.....
Nevis village.....	Hubbard.....	412	238	.....	Riverton village.....	Crow Wing.....	398	.....	.....
New Auburn village.....	Sibley.....	209	261	274	Robbinsdale village.....	Hennepin.....	1,369	765	520
New Brighton village.....	Ramsey.....	368	375	350	Rochester city.....	Olmsted.....	13,722	7,844	6,843
New London village.....	Kandiyohi.....	527	418	363	Rockford village ⁷	Hennepin.....	324	287	340
New Market village.....	Scott.....	211	203	137	Rockville village.....	Wright.....	172	127	.....
New Munich village.....	Stearns.....	325	190	136	Rogers village.....	Hennepin.....	190	.....	.....
New Prague city ⁸	Le Sueur.....	1,540	1,554	1,228	Rollingstone village.....	Winona.....	272	205	202
New Richmond village.....	Wascona.....	754	685	750	Ronneby village.....	Benton.....	76	132	156
New Trier village.....	Dakota.....	122	144	126	Roosevelt village.....	Roseau.....	276	252	.....
New Ulm city.....	Brown.....	6,745	5,648	5,403	Roscoe village.....	Stearns.....	182	.....	.....
New York village.....	Otter Tail.....	700	474	353	Rose Creek village.....	Mower.....	208	202	204
Newfolden village.....	Marshall.....	246	.....	.....	Roseau village.....	Roseau.....	1,012	644	301
Newport village.....	Washington.....	453	370	307	Rosemount village.....	Dakota.....	310	238	182
Nicollet village.....	Nicollet.....	404	338	330	Rothsay village.....	Wilkin.....	308	343	295
Norcross village.....	Grant.....	195	177	.....	Round Lake village.....	Nobles.....	345	237	226
North Branch village.....	Chisago.....	742	642	1,211	Royalton village.....	Morrison.....	690	676	664
North Mankato village.....	Nicollet.....	1,840	1,279	939	Rush City village.....	Chisago.....	971	964	987
North Redwood village.....	Redwood.....	176	143	.....	Rushford city.....	Fillmore.....	1,142	1,011	1,002
North St. Paul village.....	Ramsey.....	1,979	1,404	1,110	Rushford village.....	Fillmore.....	603	686	1,064
Northfield city.....	Rice.....	4,023	3,265	3,210	Rushmore village.....	Nobles.....	313	237	.....
Northome village.....	Koochiching.....	270	206	.....	Russell village.....	Lyon.....	375	262	.....
Norwood village.....	Carver.....	563	522	500	Ruthon village.....	Pipestone.....	403	290	323
Odessa village.....	Big Stone.....	271	235	204	Rutledge village.....	Pine.....	80	89	363
Odin village.....	Watsonwan.....	195	139	.....	St. Anna village.....	Stearns.....	184	.....	.....
Ogema village.....	Becker.....	238	171	.....	St. Anthony village.....	Stearns.....	161	.....	.....
Ogilvie village.....	Kanabec.....	436	270	.....	St. Bonifacius village.....	Hennepin.....	332	275	.....
Oklee village.....	Red Lake.....	364	.....	.....	St. Charles city.....	Winona.....	1,351	1,159	1,304
Olivia village.....	Renville.....	1,488	960	970	St. Clair village.....	Blue Earth.....	260	323	.....
Onamia village.....	Mille Lacs.....	416	314	.....	St. Cloud city ⁹	Benton.....	15,873	10,600	8,663
Ormsby village ⁴	Martin.....	115	112	.....	St. Filaire village.....	Sherburne.....	.....	.....	.....
Ortonville city ⁵	Big Stone.....	1,758	1,774	1,247	St. James city.....	Stearns.....	346	468	840
Osakis village ⁶	Lac qui Parle.....	1,480	1,013	917	St. Joseph village.....	Watsonwan.....	2,673	2,102	2,607
Oslo village.....	Todd.....	1,480	1,013	917	St. Louis Park village.....	Stearns.....	717	706	549
Osseo village.....	Marshall.....	365	344	.....	St. Martin village.....	Hennepin.....	2,281	1,743	1,325
Ostrander village.....	Hennepin.....	433	390	346	St. Michael village.....	Stearns.....	177	177	170
Otter Tail village.....	Fillmore.....	206	.....	.....	St. Michael Station village.....	Wright.....	406	401	305
Owatonna city.....	Otter Tail.....	223	176	.....	St. Nicholas village.....	Stearns.....	268	222	.....
Park Rapids village.....	Steele.....	7,252	5,658	5,561	St. Paul city.....	Ramsey.....	234,698	214,744	163,065
Parkers Prairie village.....	Hubbard.....	1,603	1,801	1,813	St. Paul Park village.....	Washington.....	900	832	.....
Faynesville village.....	Otter Tail.....	670	383	.....	St. Peter city.....	Nicollet.....	4,335	4,176	4,302
Felcan Rapids village.....	Stearns.....	1,080	601	373	St. Stephens village.....	Stearns.....	246	.....	.....
Fennock village.....	Otter Tail.....	1,156	1,019	1,033	St. Vincent village.....	Kittson.....	343	328	256
Pequot village.....	Kandiyohi.....	251	189	.....	Sacred Heart village.....	Renville.....	763	587	538
Pequot village.....	Crow Wing.....	419	280	.....	Sanborn village.....	Redwood.....	487	462	351
Perham village.....	Otter Tail.....	1,370	1,376	1,182	Sandstone village.....	Pine.....	1,200	1,818	1,189
Perley village.....	Norman.....	222	188	.....	Sargeant village.....	Mower.....	79	76	.....
Peterson village.....	Fillmore.....	291	266	.....	Sartell village ¹⁰	Benton.....	510	240	.....
Pierz village.....	Morrison.....	624	545	358	Sauk Center city.....	Stearns.....	2,699	2,154	2,220
Pillager village.....	Cass.....	354	216	.....	Sauk Rapids village.....	Benton.....	2,349	1,745	1,391
Pine City village.....	Pine.....	1,803	1,258	993	Savage village ¹⁰	Scott.....	206	271	179
Pine Island village.....	Goodhue.....	934	834	832	Scanlon village.....	Carlton.....	883	572	.....
Pine River village.....	Cass.....	442	329	.....	Seaforth village.....	Redwood.....	113	158	.....
Pipestone city.....	Pipestone.....	3,325	2,475	2,536	Sebekia village.....	Wadena.....	585	428	223
Plainview village.....	Wabasha.....	1,370	1,175	1,038	Sedan village.....	Pope.....	147	127	153
Plato village.....	McLeod.....	251	238	232	Shakopee city.....	Scott.....	1,938	2,302	2,047
Plummer village.....	Red Lake.....	252	239	.....	Shelly village.....	Norman.....	289	195	.....
Porter village.....	Yellow Medicine.....	257	253	190	Sherburne village.....	Martin.....	832	814	891
Preston village.....	Fillmore.....	1,227	1,193	1,278					

¹ Name changed from New Germany since 1910.

² See county footnote, Table 2.

³ Part in Le Sueur County: 641 in 1920; 640 in 1910; 523 in 1900. Part in Scott County: 899 in 1920; 914 in 1910; 705 in 1900.

⁴ Part in Martin County: 31 in 1920; 46 in 1910. Part in Watsonwan County: 84 in 1920; 66 in 1910.

⁵ Part in Big Stone County: 1,716 in 1920; 1,716 in 1910; 1,191 in 1900. Part in Lac qui Parle County: 42 in 1920; 58 in 1910; 56 in 1900.

⁶ Part in Douglas County: 1,140 in 1920; 924 in 1910; 815 in 1900. Part in Todd County: 340 in 1920; 89 in 1910; 102 in 1900.

⁷ Part in Hennepin County, 7 in 1920; part in Wright County, 317 in 1920. Returned in 1910 and 1900 as located wholly in Wright County. See county footnote, Table 2.

⁸ Part in Benton County: 1,733 in 1920; 1,180 in 1910; 913 in 1900. Part in Sherburne County: 896 in 1920; 809 in 1910; 410 in 1900. Part in Stearns County: 13,244 in 1920; 8,611 in 1910; 7,340 in 1900. For annexation to city, see Stearns County footnote, Table 2.

⁹ Part in Benton County, 118 in 1920; part in Stearns County, 394 in 1920. Returned in 1910 as located wholly in Stearns County.

¹⁰ Name changed from Hamilton since 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, VILLAGE, OR BOROUGH.	County.	1920	1910	1900	CITY, VILLAGE, OR BOROUGH.	County.	1920	1910	1900
Shevlin village.....	Clearwater.....	184	172	172	Vining village.....	Otter Tail.....	241	212	.....
Silver Lake village.....	McLeod.....	475	382	321	Virginia city.....	St. Louis.....	14,022	10,473	2,962
Slayton village.....	Murray.....	1,045	850	883	Wabasha city.....	Wabasha.....	2,249	2,022	2,528
Sleepy Eye city.....	Brown.....	2,449	2,247	2,046	Wabasso village.....	Redwood.....	459	343	178
Sobieska village.....	Morrison.....	203	.....	.....	Waconia village.....	Carver.....	901	817	728
Solway village.....	Beltrami.....	103	85	177	Wadena village.....	Wadena.....	2,156	1,820	1,520
South Haven village.....	Wright.....	346	287	.....	Wahkon village.....	Mills Lacs.....	292	.....	.....
South International Falls village.....	Koochiching.....	283	.....	.....	Waite Park village.....	Stearns.....	983	406	317
South St. Paul city.....	Dakota.....	6,800	4,610	2,322	Walker village.....	Cass.....	785	917	500
South Stillwater village.....	Washington.....	1,938	1,343	1,422	Walnut Grove village.....	Redwood.....	663	366	447
Spicer village.....	Kandiyohi.....	299	228	.....	Walters village.....	Faribault.....	116	103	.....
Spooner village.....	Beltrami.....	571	668	.....	Waltham village.....	Mower.....	180	170	150
Spring Grove village.....	Houston.....	753	620	401	Wanamingo village.....	Goodhue.....	350	.....	.....
Spring Hill village.....	Stearns.....	112	100	.....	Wanda village.....	Redwood.....	185	139	.....
Spring Valley village.....	Fillmore.....	1,871	1,817	1,770	Warren city.....	Marshall.....	1,772	1,613	1,276
Springfield village.....	Brown.....	1,849	1,482	1,511	Warroad village.....	Roseau.....	1,211	927	238
Staples city.....	Todd.....	2,570	2,558	1,504	Waseca city.....	Waseca.....	3,908	3,054	3,103
Starbuck village.....	Pope.....	824	497	460	Watertown village.....	Carver.....	534	465	490
Stephen village.....	Marshall.....	581	618	513	Waterville city.....	Le Sueur.....	1,211	1,273	1,280
Stewart village.....	McLeod.....	540	412	407	Watkins village.....	Meeker.....	454	368	250
Stewartville village.....	Olmsted.....	941	794	830	Watson village.....	Chippewa.....	215	152	167
Stillwater city.....	Washington.....	7,735	10,198	12,318	Waubun village.....	Mahnomen.....	346	230	.....
Sturgeon Lake village.....	Pine.....	208	183	.....	Waverly village.....	Wright.....	418	460	542
Swanville village.....	Morrison.....	400	397	244	Wayzata village.....	Hennepin.....	683	492	276
Taconite village.....	Itasca.....	621	549	.....	Welcome village.....	Martin.....	612	543	549
Taopi village.....	Mower.....	153	140	115	Wells village.....	Faribault.....	1,894	1,755	2,017
Taunton village.....	Lyon.....	183	205	.....	Wendell village.....	Grant.....	270	175	.....
Taylor Falls village.....	Chisago.....	570	454	535	West Concord village.....	Dodge.....	704	584	685
Tenney village.....	Wilkin.....	102	185	.....	West Minneapolis village.....	Hennepin.....	3,055	3,022	1,048
Tenstrike Center village.....	Beltrami.....	235	250	.....	West St. Paul city.....	Dakota.....	2,962	2,600	1,830
Thief River Falls city.....	Pennington.....	4,685	3,714	1,819	West Union village.....	Todd.....	169	161	.....
Thomson village.....	Carlton.....	103	169	207	Westbrook village.....	Cottonwood.....	654	429	.....
Tintah village.....	Traverse.....	240	217	220	Whalax village.....	Fillmore.....	142	121	134
Tonka Bay village.....	Hennepin.....	84	107	.....	Wheaton village.....	Traverse.....	1,337	1,300	1,132
Tower city.....	St. Louis.....	706	1,111	1,306	White Bear Lake village.....	Ramsey.....	2,022	1,505	1,288
Tracy city.....	Lyon.....	2,403	1,876	1,911	Wildor village.....	Jackson.....	91	95	174
Triumph village.....	Martin.....	313	243	.....	Willmar city.....	Kandiyohi.....	5,892	4,135	3,409
Trommald village.....	Crow Wing.....	301	.....	.....	Willow River village.....	Pine.....	247	212	466
Trosky village.....	Pipestone.....	177	181	215	Wilmont village.....	Nobles.....	376	253	.....
Truman village.....	Martin.....	752	451	261	Wilton village.....	Beltrami.....	170	215	.....
Turtle River village.....	Beltrami.....	74	108	.....	Windom village.....	Cottonwood.....	2,123	1,749	1,044
Twin Valley village.....	Norman.....	676	543	356	Winnepago City village.....	Faribault.....	1,641	1,554	1,816
Two Harbors city.....	Lake.....	4,546	4,900	3,738	Winona city.....	Winona.....	19,143	18,553	19,714
Tyler village.....	Lincoln.....	858	614	515	Winsted village.....	McLeod.....	434	299	281
Ulen village.....	Clay.....	590	438	317	Winthrop city.....	Sibley.....	1,147	1,043	813
Underwood village.....	Otter Tail.....	258	.....	.....	Winton village.....	St. Louis.....	499	426	.....
Upsala village.....	Morrison.....	316	.....	.....	Wolverton village.....	Wilkin.....	170	.....	.....
Utica village.....	Winona.....	189	172	204	Wood Lake village.....	Yellow Medicine.....	447	292	264
Vergas village.....	Otter Tail.....	361	237	.....	Woodstock village.....	Pipestone.....	277	226	211
Vermilion village.....	Dakota.....	99	161	100	Worthington city.....	Nobles.....	3,481	2,385	2,386
Verndale village.....	Wadena.....	571	538	672	Wykoff village.....	Fillmore.....	482	456	495
Vernon Center village.....	Blue Earth.....	283	289	311	Wyoming village.....	Chisago.....	253	207	.....
Vesell village.....	Rice.....	170	235	249	Young America village.....	Carver.....	335	303	318
Vesta village.....	Redwood.....	334	243	214	Zemple village.....	Itasca.....	284	.....	.....
Victoria village.....	Carver.....	206	.....	.....	Zumbro Falls village.....	Wabasha.....	193	208	173
Villard village.....	Pope.....	308	260	249	Zumbrota village.....	Goodhue.....	1,265	1,138	1,119

¹ Name changed from Fall Lake since 1910.

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

WARD.	1920	WARD.	1920	WARD.	1920	WARD.	1920
Albert Lea city.....	8,056	Chisholm village.....	9,039	Eveleth city.....	7,205	Little Falls city.....	5,500
Ward 1.....	2,412	Ward 1.....	4,068	Ward 1.....	1,329	Ward 1.....	1,874
Ward 2.....	2,274	Ward 2.....	2,997	Ward 2.....	1,175	Ward 2.....	1,191
Ward 3.....	8,370	Ward 3.....	1,074	Ward 3.....	787	Ward 3.....	1,249
		Ward 4.....	910	Ward 4.....	809	Ward 4.....	1,186
				Ward 5.....	2,049		
Austin city.....	10,118			Ward 6.....	1,056		
Ward 1.....	3,382	Cloquet city.....	5,127			Mankato city.....	12,469
Ward 2.....	3,634	Ward 1.....	1,354			Ward 1.....	2,508
Ward 3.....	3,102	Ward 2.....	1,604	Faribault city.....	11,089	Ward 2.....	2,293
		Ward 3.....	2,169	Ward 1.....	2,373	Ward 3.....	1,490
Bemidji city.....	7,088			Ward 2.....	2,578	Ward 4.....	2,177
Ward 1.....	1,214	Crookston city.....	6,825	Ward 3.....	2,408	Ward 5.....	2,795
Ward 2.....	1,213	Ward 1.....	656	Ward 4.....	3,732	Ward 6.....	1,206
Ward 3.....	1,507	Ward 2.....	1,025				
Ward 4.....	1,934	Ward 3.....	1,145	Fergus Falls city.....	7,581	Minneapolis city.....	380,582
Ward 5.....	1,218	Ward 4.....	1,065	Ward 1.....	1,554	Ward 1.....	17,873
		Ward 5.....	859	Ward 2.....	1,397	Ward 2.....	19,959
Brainerd city.....	9,591	Ward 6.....	667	Ward 3.....	3,495	Ward 3.....	40,678
Ward 1.....	1,153	Ward 7.....	950	Ward 4.....	1,135	Ward 4.....	38,448
Ward 2.....	2,368	Ward 8.....	928			Ward 5.....	31,850
Ward 3.....	2,504			Hibbing village.....	15,089	Ward 6.....	11,610
Ward 4.....	1,747	Duluth city.....	98,917	(Not reported by wards.)		Ward 7.....	28,575
Ward 5.....	1,819	(Not reported by wards.)				Ward 8.....	48,712
						Ward 9.....	29,947

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

WARD.	1920	WARD.	1920	WARD.	1920	WARD.	1920
Minneapolis city—Con.		Owatonna city—Con.		St. Paul city.....	234,698	Virginia city.....	14,022
Ward 10.....	25,945	Ward 4.....	1,266	Ward 1.....	23,851	Ward 1.....	3,795
Ward 11.....	19,598	Ward 5.....	1,269	Ward 2.....	21,895	Ward 2.....	1,947
Ward 12.....	31,570			Ward 3.....	3,688	Ward 3.....	1,900
Ward 13.....	35,817	Red Wing city.....	8,637	Ward 4.....	9,215	Ward 4.....	1,115
		Ward 1.....	1,421	Ward 5.....	22,740	Ward 5.....	1,193
Moorhead city.....	5,720	Ward 2.....	2,471	Ward 6.....	22,300	Ward 6.....	4,072
Ward 1.....	915	Ward 3.....	2,081	Ward 7.....	29,806		
Ward 2.....	1,423	Ward 4.....	2,064	Ward 8.....	27,462		
Ward 3.....	1,299			Ward 9.....	16,335	Willmar city.....	5,892
Ward 4.....	2,083	Rochester city.....	13,722	Ward 10.....	18,116	Ward 1.....	1,162
		Ward 1.....	2,968	Ward 11.....	24,290	Ward 2.....	1,740
New Ulm city.....	6,745	Ward 2.....	6,613	Ward 12.....	14,910	Ward 3.....	1,684
Ward 1.....	2,040	Ward 3.....	4,141			Ward 4.....	1,300
Ward 2.....	1,930	St. Cloud city.....	15,873	South St. Paul city.....	6,860		
Ward 3.....	2,775	Ward 1.....	3,171	Ward 1.....	1,442	Winona city.....	19,143
		Ward 2.....	2,751	Ward 2.....	4,255	Ward 1.....	6,121
Owatonna city.....	7,252	Ward 3.....	2,850	Ward 3.....	1,163	Ward 2.....	3,828
Ward 1.....	1,513	Ward 4.....	4,472	Stillwater city.....	7,735	Ward 3.....	3,777
Ward 2.....	1,562	Ward 5.....	668	Ward 1.....	2,911	Ward 4.....	5,417
Ward 3.....	1,642	Ward 6.....	1,065	Ward 2.....	1,970		
		Ward 7.....	896	Ward 3.....	2,854		

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

[A minus sign (—) denotes decrease.]

COUNTY.	POPULATION.						PER CENT URBAN IN TOTAL POPULATION.			PER CENT OF INCREASE IN—				Rural population per square mile: 1920.
	1920		1910		1900					Urban population.		Rural population.		
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	1920	1910	1900	1910 to 1920.	1900 to 1910.	1910 to 1920.	1900 to 1910.	
Minnesota.....	1,051,593	1,335,532	850,294	1,225,414	598,100	1,153,294	44.1	41.0	34.1	23.7	42.2	9.0	6.6	16.5
Anoka.....	7,255	8,371	3,072	8,521	3,760	7,544	46.4	31.8	33.3	82.7	5.4	-1.8	13.0	18.2
Becker.....	3,426	10,425	2,807	10,033	3,760	14,375	15.0	14.9	.....	22.1	.....	21.2	11.5	14.4
Beltrami.....	7,083	19,903	5,099	14,238	.....	11,030	26.2	26.4	.....	39.0	.....	40.4	20.1	5.2
Benton.....	1,733	12,340	1,150	10,435	2,913	8,999	12.3	10.2	9.2	46.9	29.2	18.3	16.0	30.5
Blue Earth.....	12,469	10,008	10,365	18,972	10,699	21,664	39.6	35.3	32.9	20.3	-2.2	0.2	-12.4	24.9
Brown.....	6,745	15,676	5,648	14,486	5,403	14,384	30.1	28.1	27.3	19.4	4.5	8.2	0.7	25.6
Carlton.....	5,127	14,264	7,031	10,628	3,072	6,945	26.4	40.0	30.7	-27.1	128.9	35.5	51.6	16.5
Chippewa.....	4,419	11,301	3,056	10,402	.....	12,499	28.1	22.7	.....	44.6	.....	8.6	-16.8	19.1
Clay.....	5,720	16,060	4,840	14,800	3,730	14,212	26.3	24.6	20.8	18.2	29.8	8.5	4.1	15.4
Crow Wing.....	13,091	11,476	8,526	8,335	7,524	6,726	53.3	50.6	52.8	53.5	13.3	37.7	23.9	10.9
Dakota.....	14,393	14,574	11,153	14,018	3,811	17,022	40.7	44.3	17.5	20.1	192.7	4.0	-21.8	24.3
Douglas.....	3,388	15,651	3,001	14,668	2,681	15,283	17.8	17.0	14.0	12.9	11.9	6.7	-4.0	24.2
Faribault.....	2,568	18,430	.....	19,049	2,900	19,155	12.2	.....	.....	13.1	.....	-7.6	4.1	25.6
Freeborn.....	8,056	16,636	6,192	16,060	4,500	17,338	32.6	27.8	20.6	30.1	37.6	3.4	-7.2	22.6
Goodhue.....	8,637	22,162	9,048	22,589	7,525	23,612	28.0	28.6	24.2	-4.5	20.2	-1.9	-4.3	28.9
Hennepin.....	383,637	31,782	307,103	26,377	202,718	25,622	92.3	92.1	88.8	24.9	51.5	20.5	2.9	56.3
Itasca.....	2,914	20,982	.....	17,208	4,573	12,2	12.2	.....	.....	.....	.....	21.8	276.3	7.7
Kandiyohi.....	5,892	16,193	4,135	14,334	3,409	15,007	26.7	21.8	18.5	42.5	21.3	0.0	-1.2	20.2
Koochiching.....	3,448	10,072	6,431	.....	.....	.....	25.5	.....	.....	.....	.....	56.6	.....	3.2
Lake.....	4,546	3,705	4,900	3,021	3,278	1,376	55.1	62.3	70.4	-8.9	52.2	22.6	119.5	1.8
Lyon.....	3,092	15,745	.....	15,722	.....	14,591	16.4	.....	.....	.....	.....	0.1	7.8	22.2
McLeod.....	3,379	17,065	.....	18,601	.....	19,595	16.5	.....	.....	.....	.....	-8.7	-4.6	34.4
Martin.....	4,630	16,455	2,958	14,560	3,040	13,896	22.0	16.9	17.9	56.5	-2.7	13.0	4.8	22.0
Meeker.....	2,760	15,313	.....	17,022	.....	17,753	15.4	.....	.....	.....	.....	-10.0	-4.1	24.7
Morrison.....	5,600	20,341	6,078	17,975	5,774	17,117	21.3	25.3	25.2	-9.5	5.3	13.2	5.0	17.8
Mower.....	10,118	15,875	6,960	15,680	5,474	16,861	38.9	30.7	24.5	45.4	27.1	1.2	-7.0	22.3
Nicollet.....	4,835	10,701	4,176	9,949	4,302	10,472	28.8	29.6	29.1	3.8	-2.9	7.6	-5.0	24.2
Nobles.....	3,481	14,436	.....	15,210	.....	14,932	19.4	.....	.....	.....	.....	-5.1	1.9	20.0
Olmsted.....	13,722	14,292	7,844	14,653	6,843	16,276	49.0	34.9	20.6	74.9	14.6	-2.5	-10.0	21.5
Otter Tail.....	7,581	43,237	6,887	39,149	6,072	39,303	14.9	15.0	13.4	10.1	13.4	10.4	-0.4	21.2
Pennington.....	4,685	7,406	3,714	5,662	.....	.....	38.7	39.6	.....	26.1	.....	30.8	.....	12.2
Pipestone.....	3,325	8,725	.....	9,533	2,536	6,728	27.6	.....	27.4	.....	.....	-8.7	42.0	18.6
Polk.....	6,825	30,205	10,092	25,909	5,359	30,070	18.4	28.0	15.1	-32.4	88.3	16.8	-13.3	15.3
Ramsey.....	234,698	9,856	214,744	8,931	183,065	7,489	96.0	96.0	95.6	0.3	81.7	10.4	19.3	61.2
Rice.....	15,112	13,195	12,266	13,645	11,078	15,002	53.4	47.3	42.5	23.2	10.7	-3.3	-9.0	26.7
Rock.....	2,782	8,183	2,540	7,682	.....	9,068	25.4	24.8	.....	9.5	.....	6.5	-20.5	16.6
St. Louis.....	155,493	50,898	116,063	47,211	62,400	20,532	75.3	71.1	75.2	34.0	86.0	7.8	129.9	7.8
Sherburne.....	1,896	8,755	1,809	7,827	4,410	6,871	9.3	9.9	5.6	10.8	97.3	19.5	6.6	19.5
Stearns.....	18,472	37,209	11,202	36,531	7,340	37,124	33.1	23.5	16.5	64.9	52.6	2.0	-1.6	27.4
Steele.....	7,252	10,809	5,658	10,963	5,561	10,963	40.2	35.0	33.7	28.2	1.7	3.1	-4.3	25.1
Todd.....	2,570	23,489	2,558	20,849	.....	22,214	9.9	10.9	.....	0.5	.....	12.7	-0.1	24.5
Wabasha.....	2,846	15,073	6,764	12,790	5,272	13,652	15.9	31.1	27.9	-50.6	9.3	17.8	-6.3	27.9
Waseca.....	3,908	10,225	3,054	10,412	3,103	11,657	27.7	22.7	21.0	28.0	-1.6	-1.8	-10.7	23.7
Washington.....	7,735	16,028	10,198	15,815	12,318	15,490	32.6	39.2	44.3	-24.2	-17.2	1.3	2.1	40.4
Watouwan.....	2,673	9,784	.....	11,352	2,607	8,889	21.5	.....	22.7	.....	.....	-14.0	28.0	22.5
Winona.....	19,143	14,510	13,583	14,815	10,714	15,972	56.9	55.6	55.2	3.0	-5.7	-2.1	-7.2	22.8
All other counties.....	.....	559,549	.....	505,806	.....	478,425	.....	.....	.....	.....	.....	10.6	5.7	17.2

¹ Total for rural population, 1900, includes population (3,486) of White Earth Indian Reservation, in Becker, Clearwater, and Mahanomen Counties, not returned by counties.

² Population of part of St. Cloud city (see Table 3).

³ Comprises all counties in which there were no incorporated places having 2,500 inhabitants or more in 1920. These counties are Aitkin, Big Stone, Carver, Cass, Chisago, Clearwater, Cook, Cottonwood, Dodge, Fillmore, Grant, Houston, Hubbard, Isanti, Jackson, Kanabec, Kittson, Lac qui Parle, Le Sueur, Lincoln, Mahanomen, Marshall, Mille Lacs, Murray, Norman, Pine, Pope, Red Lake, Redwood, Renville, Roseau, Scott, Sibley, Stevens, Swift, Traverse, Wadena, Wilkin, Wright, and Yellow Medicine.

COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

COMPOSITION AND CHARACTERISTICS.

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

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

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.											
	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
THE STATE.																		
All ages: 1920.....	2,387,125	1,245,537	1,141,588	827,637	424,834	402,793	1,055,145	532,306	522,839	488,164	278,588	207,576	8,809	4,851	3,958			
Under 5 years.....	261,394	132,452	128,942	160,041	81,240	78,801	98,688	49,886	48,812	748	386	362	522	263	259			
Under 1 year.....	49,091	24,874	24,217	31,428	15,912	15,516	17,192	8,727	8,465	61	35	26	113	56	57			
5 to 9 years.....	248,590	126,208	122,391	129,828	65,880	63,948	113,790	57,845	55,945	3,186	1,672	1,614	511	249	262			
10 to 14 years.....	233,961	118,139	115,822	105,149	53,188	51,961	120,887	60,993	59,894	6,436	3,235	3,201	492	219	273			
15 to 19 years.....	219,609	109,708	109,901	85,047	42,579	42,468	122,757	61,272	61,485	10,520	5,236	5,284	406	232	264			
20 to 44 years.....	925,236	483,764	441,472	253,232	130,126	123,106	464,622	231,623	232,999	199,566	117,682	81,884	4,836	2,079	2,757			
45 years and over.....	495,673	273,596	222,077	92,747	50,839	41,908	133,891	70,394	63,497	265,183	150,111	115,072	1,935	1,195	740			
Age unknown.....	2,653	1,070	983	1,583	982	601	500	293	207	525	366	159	17	14	3			
18 to 44 years.....	1,011,072	526,532	485,140	285,274	146,008	139,266	513,536	255,860	257,676	204,508	120,067	84,441	5,060	2,787	2,273			
21 years and over.....	1,380,834	738,332	642,502	332,198	174,581	157,617	574,612	290,420	284,192	462,682	266,856	195,726	6,066	3,838	2,828			
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	100.0	100.0	100.0
Under 5 years.....	11.0	10.6	11.3	19.3	19.1	19.6	9.4	9.4	9.3	0.2	0.1	0.2	5.9	5.4	6.5			
Under 1 year.....	2.1	2.0	2.1	3.8	3.7	3.9	1.6	1.6	1.6	(1)	(1)	(1)	1.3	1.2	1.4			
5 to 9 years.....	10.4	10.1	10.7	15.7	15.5	15.9	10.8	10.9	10.7	0.7	0.6	0.8	5.8	5.1	6.6			
10 to 14 years.....	9.8	9.5	10.1	12.7	12.5	12.9	11.5	11.5	11.5	1.3	1.2	1.5	5.6	4.5	6.9			
15 to 19 years.....	9.2	8.8	9.6	10.3	10.0	10.5	11.6	11.5	11.8	2.2	1.9	2.5	5.6	4.8	6.7			
20 to 44 years.....	38.8	38.8	38.7	30.6	30.6	30.6	44.0	43.5	44.6	41.0	42.2	39.4	54.9	55.2	54.5			
45 years and over.....	20.8	22.0	19.5	11.2	12.0	10.4	12.7	13.2	12.1	54.5	53.9	55.4	22.0	24.6	18.7			
18 to 44 years.....	42.4	42.3	42.5	34.5	34.4	34.6	48.7	48.1	49.3	42.1	43.1	40.7	57.4	57.5	57.4			
21 years and over.....	57.8	59.3	56.3	40.1	41.1	39.1	54.5	54.0	54.4	95.1	95.8	94.3	75.7	70.1	71.5			
Per cent: 1910.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.9	10.4	11.6	17.6	17.0	18.3	12.9	12.9	13.0	0.4	0.3	0.5	5.4	4.4	6.8			
Under 1 year.....	2.2	2.1	2.4	3.8	3.6	3.9	2.5	2.5	2.6	(1)	(1)	(1)	1.1	0.0	1.3			
5 to 9 years.....	10.6	10.1	11.2	14.6	14.2	15.1	13.6	13.5	13.6	1.3	1.1	1.6	4.7	3.9	6.0			
10 to 14 years.....	10.3	9.8	10.9	12.2	11.8	12.6	14.3	14.3	14.3	1.5	1.3	1.8	5.3	4.3	6.8			
15 to 19 years.....	10.4	9.8	11.0	10.7	10.3	11.2	14.5	14.2	14.8	2.9	2.8	3.1	6.2	5.3	7.4			
20 to 44 years.....	39.0	40.3	37.6	31.4	32.4	30.2	37.5	37.4	37.6	49.6	51.8	46.4	60.9	63.2	57.7			
45 years and over.....	18.5	19.4	17.5	12.9	13.6	12.2	7.2	7.7	6.7	44.0	42.3	46.6	16.6	17.9	14.8			
18 to 44 years.....	43.3	44.3	42.1	35.6	36.5	34.7	43.2	42.9	43.4	51.4	53.6	48.1	63.7	65.6	60.9			
21 years and over.....	55.6	58.0	53.0	42.9	44.9	40.6	42.0	42.5	41.5	92.6	93.1	91.9	76.9	81.0	71.0			
URBAN POPULATION.																		
All ages: 1920.....	1,051,593	530,580	521,013	356,046	179,001	177,045	445,068	211,073	233,995	241,463	135,402	106,061	8,250	4,509	3,741			
Under 5 years.....	102,693	51,844	50,849	57,517	29,068	28,449	44,194	22,285	21,009	453	228	225	470	242	237			
Under 1 year.....	19,325	9,709	9,616	11,244	5,672	5,572	7,941	3,906	3,975	30	16	14	100	51	49			
5 to 9 years.....	94,802	47,744	47,058	45,009	23,115	22,794	40,461	23,443	23,018	1,922	934	938	455	221	234			
10 to 14 years.....	84,696	42,082	42,614	30,136	18,011	18,125	44,300	22,022	22,377	3,693	1,842	1,851	439	193	246			
15 to 19 years.....	85,620	39,931	45,689	32,271	15,122	17,149	40,582	21,621	24,961	6,277	2,953	3,324	448	206	242			
20 to 44 years.....	459,309	230,763	228,540	133,088	66,824	66,264	204,694	93,259	111,435	116,499	67,807	48,092	4,622	2,542	2,080			
45 years and over.....	222,690	117,126	105,564	49,970	26,106	23,864	58,440	28,279	30,161	112,305	61,420	50,885	1,792	1,093	699			
Age unknown.....	1,783	1,090	693	1,155	695	460	298	164	134	314	218	98	15	12	3			
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	100.0	100.0	100.0
Under 5 years.....	9.8	9.8	9.8	16.2	16.2	16.1	9.9	10.6	9.4	0.2	0.2	0.2	5.8	5.4	6.3			
Under 1 year.....	2.0	2.0	2.0	3.8	3.8	3.8	1.6	1.6	1.6	0.3	0.3	0.3	1.0	0.9	1.0			
5 to 9 years.....	9.0	9.0	9.0	12.9	12.9	12.9	10.4	11.1	9.8	0.8	0.7	0.9	5.5	4.9	6.3			
10 to 14 years.....	8.1	7.9	8.2	10.1	10.1	10.2	10.0	10.4	9.6	1.5	1.4	1.7	5.3	4.3	6.0			
15 to 19 years.....	8.1	7.5	8.8	9.1	8.4	9.7	10.5	10.2	10.7	2.6	2.2	3.1	5.4	4.6	6.5			
20 to 44 years.....	43.7	43.5	43.9	37.4	37.3	37.4	46.0	44.2	47.6	48.2	50.1	45.9	56.0	56.4	55.6			
45 years and over.....	21.2	22.1	20.3	14.0	14.6	13.4	13.1	13.4	12.9	46.5	45.4	48.0	21.7	24.2	18.7			
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	100.0	100.0	100.0
Under 5 years.....	9.2	8.8	9.6	12.9	12.4	13.4	12.6	13.1	12.2	0.5	0.4	0.6	4.8	4.1	5.9			
Under 1 year.....	2.3	2.2	2.4	4.0	3.9	4.1	2.7	2.7	2.8	0.3	0.3	0.4	1.1	0.9	1.2			
5 to 9 years.....	8.3	7.9	8.7	10.4	10.0	10.9	11.6	12.0	11.1	1.5	1.3	1.9	4.5	3.7	5.6			
10 to 14 years.....	8.2	7.7	8.7	9.2	8.7	9.8	11.9	12.2	11.7	1.7	1.5	2.1	5.2	4.1	6.8			
15 to 19 years.....	9.7	8.7	10.9	10.1	9.2	11.1	14.0	13.2	14.7	3.5	3.0	4.1	5.9	5.1	7.1			
20 to 44 years.....	40.8	40.0	41.4	38.1	38.0	38.1	47.7	46.0	47.4	57.8	60.4	54.1	62.4	64.5	59.4			
45 years and over.....	17.9	18.4	17.4	15.2	15.2	15.1	8.1	8.5	7.8	34.8	33.1	37.2	16.2	17.3	14.5			
RURAL POPULATION.																		
All ages: 1920.....	1,335,532	714,957	620,575	471,581	245,833	225,748	610,077	321,233	288,844	244,701	143,188	101,515	559	342	217			
Under 5 years.....	158,701	80,608	78,093	102,524	52,172	50,352	54,504	27,601	26,903	295	158	137	43	21	22			
Under 1 year.....	20,766	15,165	14,601	20,184	10,240	9,944	9,251	4,761	4,490	31	19	12	13	5	8			
5 to 9 years.....	153,797	78,464	75,333	83,919	42,765	41,154	67,329	34,402	32,927	1,264	638	626	56	28	28			
10 to 14 years.....	149,265	76,057	73,208	69,013	35,177	33,836	76,488	38,971	37,517	2,743	1,393	1,350	53	26	27			
15 to 19 years.....	133,989	69,777	64,212	52,776	27,457	25,319	76,175	39,651	36,524	4,243	2,283	1,960	48	26	22			
20 to 44 years.....	465,927	253,001	212,926	120,144	63,302	56,842	259,928	138,364	121,564	83,087	49,875	33,192	214	137	77			
45 years and over.....	272,983	156,470	116,513	42,777	24,673	18,104	75,451	42,115	33,336	152,878	88,091	64,187	143	102	41			
Age unknown.....	870	580	290	428	287	141	202	129	73	211	148	63	2	2				

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

[Per cent not shown where base is less than 100. For statistics of illiteracy for Indian population, see supplemental table.]

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.									FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.											
	Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.				
		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.	Num-ber.	Per cent.	
THE STATE: 1920																		
10 years and over.....	1,877,132	34,487	1.8	537,758	1,988	0.4	842,657	3,967	0.5	482,230	26,242	5.4	7,778	241	3.1			
Male.....	986,877	17,413	1.8	277,714	1,103	0.4	424,576	2,263	0.5	276,630	12,915	4.7	4,339	119	2.7			
Female.....	890,255	17,074	1.9	260,044	825	0.3	418,082	1,704	0.4	205,600	13,327	6.5	3,437	122	3.5			
10 to 15 years.....	277,628	814	0.3	123,089	315	0.3	144,678	358	0.2	8,034	42	0.5	569	1	0.2			
Male.....	140,111	488	0.3	62,294	178	0.3	72,940	221	0.3	4,035	25	0.6	256	1	0.4			
Female.....	137,417	326	0.2	60,795	137	0.2	71,738	137	0.2	3,999	17	0.4	313					
16 to 20 years.....	218,770	804	0.4	82,471	267	0.3	123,367	304	0.2	11,614	153	1.3	541	6	1.1			
Male.....	108,434	452	0.4	40,830	155	0.4	61,215	182	0.3	5,739	73	1.3	245	5	2.0			
Female.....	110,336	352	0.3	41,632	112	0.3	62,152	122	0.2	5,875	80	1.4	296	1	0.3			
21 years and over.....	1,380,834	32,869	2.4	332,198	1,406	0.4	574,612	3,305	0.6	462,582	26,047	5.6	6,666	234	3.5			
Male.....	738,332	16,473	2.2	174,581	830	0.5	290,420	1,860	0.6	266,866	12,817	4.8	3,838	113	2.9			
Female.....	642,502	16,396	2.6	157,617	576	0.4	284,192	1,445	0.5	195,720	13,230	6.8	2,828	121	4.3			
URBAN POPULATION.																		
10 years and over.....	854,098	15,838	1.9	252,620	1,136	0.4	354,413	1,530	0.4	239,088	12,872	5.4	7,316	217	3.0			
Male.....	430,992	7,702	1.8	129,818	613	0.5	165,345	773	0.5	134,240	6,143	4.6	4,046	102	2.5			
Female.....	423,106	8,136	1.9	126,802	523	0.4	189,068	757	0.4	104,848	6,729	6.4	3,270	115	3.5			
10 to 15 years.....	99,884	404	0.4	42,231	198	0.5	52,540	182	0.3	4,571	22	0.5	509	1	0.2			
16 to 20 years.....	89,423	443	0.5	33,018	196	0.6	48,712	154	0.3	7,153	35	1.2	480	5	1.0			
21 years and over.....	694,791	14,991	2.3	177,371	742	0.4	253,161	1,194	0.5	227,364	12,765	5.6	6,318	211	3.3			
RURAL POPULATION.																		
10 years and over.....	1,023,034	18,649	1.8	285,138	852	0.3	488,244	2,487	0.5	243,142	13,370	5.5	460	24	5.2			
Male.....	555,885	9,711	1.7	150,896	550	0.4	259,230	1,490	0.6	142,390	6,772	4.8	293	17	5.8			
Female.....	467,149	8,938	1.9	134,242	302	0.2	229,014	947	0.4	100,752	6,598	6.5	167	7	4.2			
10 to 15 years.....	177,644	410	0.2	80,858	117	0.1	92,138	176	0.2	3,463	20	0.6	60					
16 to 20 years.....	129,347	361	0.3	49,453	71	0.1	74,655	150	0.2	4,461	68	1.5	52	1				
21 years and over.....	716,043	17,378	2.5	154,827	664	0.4	321,451	2,111	0.7	235,218	13,282	5.6	348	23	6.6			
THE STATE: 1910																		
10 years and over.....	1,628,635	49,336	3.0	389,726	1,536	0.4	691,786	4,302	0.6	533,915	40,627	7.6	6,366	215	3.4			
Male.....	882,046	25,810	2.9	207,409	879	0.4	351,238	2,293	0.7	315,895	21,319	6.7	3,835	126	3.3			
Female.....	746,589	23,517	3.1	182,257	657	0.4	340,548	2,009	0.6	218,020	19,308	8.9	2,531	89	3.5			
10 to 15 years.....	254,933	684	0.3	82,248	105	0.1	160,948	310	0.2	9,930	127	1.3	450	1	0.2			
Male.....	123,081	376	0.3	41,656	54	0.1	81,356	165	0.2	5,064	67	1.3	207	1	0.4			
Female.....	125,902	308	0.2	40,592	51	0.1	79,592	145	0.2	4,866	60	1.2	243					
16 to 20 years.....	218,622	2,672	1.2	60,896	150	0.2	135,193	583	0.4	21,114	1,787	8.5	465	3	0.6			
Male.....	110,346	1,840	1.7	30,319	93	0.3	66,755	371	0.6	12,549	1,305	10.4	238	2	0.8			
Female.....	108,276	832	0.8	30,577	57	0.2	68,438	212	0.3	8,565	482	5.6	227	1	0.4			
21 years and over.....	1,155,080	45,980	4.0	246,582	1,281	0.5	395,645	3,409	0.9	502,871	38,713	7.7	5,451	211	3.9			
Male.....	642,669	23,063	3.7	135,494	732	0.5	203,127	1,757	0.9	298,282	19,947	6.7	3,390	123	3.6			
Female.....	512,411	22,377	4.4	111,088	549	0.5	192,518	1,652	0.9	204,589	18,766	9.2	2,061	88	4.3			
URBAN POPULATION.																		
10 years and over.....	702,070	19,799	2.8	190,432	629	0.3	265,311	1,266	0.5	240,006	17,706	7.4	5,911	158	2.7			
Male.....	375,134	10,641	2.8	101,859	359	0.4	127,891	631	0.5	141,476	9,537	6.7	3,562	81	2.3			
Female.....	326,936	9,158	2.8	88,573	270	0.3	137,420	635	0.5	98,530	8,169	8.3	2,349	77	3.3			
10 to 15 years.....	82,058	182	0.2	27,346	37	0.1	50,202	86	0.2	4,983	58	1.2	409	1	0.2			
Male.....	80,402	1,281	1.4	26,375	63	0.3	50,931	200	0.4	11,647	1,007	8.6	414	2	0.5			
Female.....	529,710	18,336	3.5	136,711	524	0.4	164,178	980	0.6	223,376	16,641	7.4	5,088	155	3.0			
RURAL POPULATION.																		
10 years and over.....	926,565	29,537	3.2	199,294	907	0.5	426,475	3,036	0.7	293,909	22,921	7.8	455	57	12.5			
Male.....	506,912	15,178	3.0	105,610	520	0.5	223,347	1,662	0.7	174,419	11,782	6.8	273	45	18.5			
Female.....	419,653	14,359	3.4	93,684	387	0.4	203,128	1,374	0.7	119,490	11,139	9.3	182	12	6.6			
10 to 15 years.....	171,975	502	0.3	54,902	68	0.1	110,746	224	0.2	4,947	69	1.4	41					
Male.....	129,220	1,391	1.1	34,521	82	0.2	84,262	383	0.5	9,467	780	8.2	51	1				
Female.....	625,370	27,644	4.4	109,871	757	0.7	231,487	2,429	1.0	279,495	23,072	7.9	363	56	15.4			

COMPOSITION AND CHARACTERISTICS.

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

CLASS OF POPULATION AND CITIZENSHIP.	POPULATION 21 YEARS OF AGE AND OVER.			PER CENT DISTRIBUTION.			CLASS OF POPULATION AND CITIZENSHIP.	POPULATION 21 YEARS OF AGE AND OVER.			PER CENT DISTRIBUTION.		
	Male.		Female: 1920	Male.		Fe- male: 1920		Male.		Female: 1920	Male.		Fe- male: 1920
	1920	1910		1920	1910			1920	1910		1920	1910	
Total.....	738,332	642,669	642,502	100.0	100.0	100.0	Native white.....	465,001	338,021	441,809	63.0	52.7	68.8
White.....	731,857	636,903	637,535	99.1	99.1	99.2	Native parentage.....	174,581	135,494	157,617	23.6	21.1	24.5
Negro.....	3,838	3,390	2,828	0.5	0.5	0.4	Foreign parentage.....	220,201	103,838	213,510	29.8	26.6	33.2
Indian.....	2,178	2,075	2,099	0.3	0.3	0.3	Mixed parentage.....	70,219	39,289	70,076	9.5	6.1	11.0
Chinese.....	393	248	28	0.1	(1)	(1)	Foreign-born white.....	266,856	295,282	195,720	36.1	46.4	30.5
Japanese.....	53	51	9	(1)	(1)	(1)	Naturalized.....	177,355	179,187	142,035	24.0	27.9	22.1
All other.....	13	2	3	(1)	(1)	(1)	Having first papers.....	40,727	26,222	3,211	5.5	4.1	0.5
							Alien.....	35,245	58,132	37,404	4.8	9.0	5.8
							Unknown.....	13,529	34,741	13,076	1.8	5.4	2.0

1 Less than one-tenth of 1 per cent.

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

COUNTRY OF BIRTH.	THE STATE.		MINNEAPOLIS.		ST. PAUL.		COUNTRY OF BIRTH.	THE STATE.		MINNEAPOLIS.		ST. PAUL.	
	Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.		Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.
All countries.....	486,164	100.0	88,032	100.0	51,595	100.0	Ireland.....	10,280	2.1	2,066	2.3	3,053	5.9
Austria.....	11,550	2.4	2,222	2.5	2,429	4.7	Italy.....	7,432	1.5	706	0.9	1,085	3.3
Belgium.....	2,056	0.4	112	0.1	78	0.2	Jugo-Slavia.....	10,097	2.2	163	0.2	334	0.6
Canada—French.....	6,796	1.4	1,016	1.2	587	1.1	Luxemburg.....	1,782	0.4	163	0.2	204	0.5
Canada—Other.....	26,936	5.5	6,445	7.3	3,303	6.4	Netherlands.....	5,380	1.1	407	0.5	256	0.5
Czechoslovakia.....	12,620	2.6	1,828	2.1	1,797	3.5	Norway.....	90,188	18.6	16,389	18.0	3,818	7.4
Denmark.....	16,904	3.5	2,531	2.9	1,364	2.6	Poland.....	18,537	3.8	4,789	5.4	2,555	5.0
England.....	10,958	2.3	2,963	3.4	1,934	3.7	Rumania.....	2,385	0.5	1,484	1.7	559	1.1
Finland.....	29,108	6.0	1,120	1.3	97	0.2	Russia.....	10,100	3.3	6,222	7.1	4,228	8.2
France.....	1,803	0.4	353	0.4	328	0.6	Scotland.....	3,928	0.8	1,141	1.3	712	1.4
Germany.....	74,634	15.4	6,430	7.3	8,724	16.9	Sweden.....	112,117	23.1	26,515	30.1	9,912	19.2
Greece.....	2,391	0.5	873	1.0	354	0.7	Switzerland.....	2,720	0.6	336	0.4	522	1.0
Hungary.....	4,277	0.9	571	0.6	1,792	3.5	All other countries.....	4,570	0.9	1,118	1.3	910	1.8

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.....	8,761	9,063	10,182	508	275	166	85	67	51	Nobles.....	1	.....	.....	1	1	4	.....	.....	.....
Aitkin.....	84	54	138	.....	.....	.....	.....	.....	.....	Olmsted.....	.....	.....	.....	1	4	2	.....	.....	.....
Anoka.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Otter Tail.....	6	.....	9	.....	1	.....	.....	.....	.....
Becker.....	1,694	1,636	14	.....	.....	.....	.....	.....	.....	Pine.....	198	174	156	.....	1	.....	.....	.....	.....
Beltrami.....	1,580	1,402	1,415	5	2	1	.....	.....	.....	Pipestone.....	23	220	110	.....	1	.....	.....	.....	.....
Big Stone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Polk.....	8	7	1	.....	.....	10	.....	.....	.....
Blue Earth.....	4	1	.....	9	.....	1	.....	.....	.....	Ramsey.....	32	10	5	96	45	28	13	28	5
Carlton.....	430	394	356	.....	.....	3	.....	.....	.....	Redwood.....	137	167	139	.....	2	.....	.....	.....	.....
Cass.....	1,022	1,172	1,429	1	.....	4	.....	.....	.....	Renville.....	8	1	.....	.....	.....	.....	.....	.....	.....
Chisago.....	11	24	.....	.....	.....	.....	.....	.....	.....	Rice.....	2	.....	.....	4	1	.....	1	.....	.....
Clay.....	.....	.....	.....	3	1	2	.....	.....	1	Roseau.....	9	75	38	.....	.....	.....	.....	.....	.....
Clearwater.....	357	250	.....	.....	.....	.....	.....	.....	.....	St. Louis.....	459	628	972	144	100	35	5	.....	42
Cook.....	180	220	298	.....	.....	.....	.....	.....	.....	Scott.....	7	4	12	.....	1	.....	.....	.....	.....
Crow Wing.....	9	17	38	.....	.....	.....	.....	.....	1	Sherburne.....	5	5	.....	.....	1	.....	.....	.....	.....
Dakota.....	1	90	75	.....	.....	.....	.....	.....	.....	Stearns.....	.....	.....	.....	5	.....	1	.....	.....	1
Fillmore.....	.....	.....	.....	1	2	2	.....	.....	.....	Steele.....	3	.....	.....	.....	.....	.....	2	.....	.....
Freeborn.....	.....	.....	.....	4	.....	1	.....	.....	.....	Swift.....	.....	.....	.....	1	.....	.....	.....	1	.....
Goodhue.....	43	56	65	2	3	2	.....	.....	.....	Waseca.....	1	.....	.....	1	1	2	.....	.....	.....
Hennepin.....	45	27	48	201	101	24	53	30	.....	Washington.....	2	30	28	.....	.....	3	.....	.....	.....
Houston.....	5	.....	.....	.....	.....	1	.....	.....	.....	Winona.....	1	.....	.....	3	.....	.....	.....	2	.....
Hubbard.....	3	1	3	.....	.....	.....	.....	.....	.....	Yellow Medicine.....	68	57	59	.....	.....	.....	.....	.....	.....
Itasca.....	448	225	632	.....	1	1	.....	.....	.....	All other counties.....	.....	24	206	.....	2	21	.....	.....	5
Kandiyohi.....	1	.....	.....	1	2	5	2	.....	.....	CITIES.									
Kittson.....	11	84	20	.....	.....	.....	.....	.....	.....	Duluth.....	18	17	43	85	38	22	4	.....	.....
Koochiching.....	90	97	.....	11	2	.....	.....	.....	.....	Minneapolis.....	37	13	33	196	101	24	52	30	.....
Lac qui Parle.....	.....	.....	.....	1	.....	.....	.....	.....	.....	St. Paul.....	32	10	5	96	45	23	13	23	5
Lake.....	79	39	32	3	3	7	.....	.....	.....							
Lyon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Mahnomen.....	1,405	1,635	.....	.....	.....	.....	.....	.....	.....			
Mille Lacs.....	273	227	.....	.....	.....	.....	.....	.....	.....			
Morrison.....	1	.....	.....	.....	.....	.....	.....	.....	.....		

1 Includes 2,883 Indians on White Earth Indian Reservation, not returned by counties in 1900; returned in 1910 in Becker, Clearwater, and Mahnomen Counties; in 1920 in Becker and Mahnomen Counties.

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

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

SUBJECT.	THE STATE.	Atkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.	Brown.
COLOR OR RACE, NATIVITY, AND SEX.									
Total population.....	2,387,125	15,043	15,626	22,851	27,070	14,073	9,766	31,477	22,421
Male.....	1,245,537	8,231	7,936	12,045	15,079	7,517	5,172	15,970	11,414
Female.....	1,141,588	6,812	7,690	10,806	12,000	6,556	4,594	15,498	11,007
Native white.....	1,882,772	11,599	12,394	17,207	20,132	11,725	8,196	27,278	18,507
Male.....	857,140	6,151	6,214	8,042	10,860	6,164	4,279	13,784	9,308
Female.....	925,632	5,448	6,180	8,265	9,272	5,561	3,917	13,494	9,199
Native white—Native parentage.....	827,627	5,457	6,326	7,300	9,984	4,900	3,780	14,711	7,579
Native white—Foreign parentage.....	708,126	4,236	3,953	6,472	6,231	4,408	2,803	7,768	6,878
Native white—Mixed parentage.....	347,019	1,906	2,135	3,435	3,907	2,417	1,613	4,799	4,050
Foreign-born white.....	486,164	3,329	3,182	3,947	5,324	2,836	1,559	4,181	3,914
Male.....	273,688	2,027	1,993	2,258	3,357	1,843	890	2,230	2,106
Female.....	207,670	1,302	1,489	1,689	1,967	993	669	1,951	1,808
Negro.....	8,809	31	23	3	38	12	7	5	4
Male.....	4,851	16	23	2	21	10	2	4	1
Female.....	3,958	15	21	1	17	2	5	1	1
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	9,880	84	1	1,094	1,585	.....	4	13	.....
Per cent native white.....	78.9	77.1	79.3	75.3	74.3	83.3	83.0	80.7	82.5
Per cent foreign-born white.....	20.4	22.1	20.4	17.3	19.7	16.6	16.0	13.3	17.5
Per cent Negro.....	0.4	0.2	0.3	(1)	0.1	0.1	0.1	(1)	.....
1910: Total population.....	2,075,708	10,371	12,493	18,840	19,337	11,615	9,367	29,337	20,134
Native white.....	1,516,217	7,189	9,008	12,805	12,685	9,054	7,890	23,980	15,468
Foreign-born white.....	543,010	3,082	2,844	4,335	5,237	2,550	1,073	5,348	4,004
Negro.....	7,084	46	41	4	11	2	3	8	2
Per cent native white.....	73.0	69.3	76.9	68.3	65.6	78.0	78.9	81.7	76.8
Per cent foreign-born white.....	26.2	29.7	22.8	23.0	27.1	22.0	21.1	18.2	23.2
Per cent Negro.....	0.3	0.4	0.3	(1)	0.1	(1)	(1)	(1)	(1)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.									
Total under 7 years of age.....	363,004	2,685	2,379	4,093	4,831	2,629	1,550	4,488	3,551
Total 7 to 13 years, inclusive.....	314,905	2,524	2,212	3,910	4,438	2,869	1,514	4,203	3,480
Number attending school.....	314,905	2,372	2,116	3,483	4,064	2,258	1,367	3,863	3,278
Per cent attending school.....	93.9	94.0	95.7	89.1	91.6	85.3	90.3	91.9	94.2
Total 14 and 15 years.....	89,059	667	606	1,070	1,072	610	385	1,140	978
Number attending school.....	76,750	523	539	880	898	527	346	1,012	805
Per cent attending school.....	86.2	78.4	88.9	80.4	83.8	86.4	89.9	88.8	82.3
Total 16 and 17 years.....	89,006	571	545	906	974	591	437	1,178	968
Number attending school.....	38,055	207	229	319	389	203	262	594	372
Per cent attending school.....	42.5	36.3	42.0	35.2	39.9	34.3	60.0	50.4	38.4
Total 18 to 20 years, inclusive.....	129,164	762	707	1,213	1,290	815	563	1,697	1,286
Number attending school.....	121,377	102	118	149	176	100	120	363	162
Per cent attending school.....	16.6	13.4	16.7	12.3	13.6	12.3	21.3	21.4	12.6
Males 21 years of age and over.....	738,332	4,584	4,685	6,354	8,612	3,881	2,874	9,599	6,248
Native white—Native parentage.....	174,581	1,330	1,366	1,328	2,453	758	728	3,170	918
Native white—Foreign or mixed parentage.....	290,420	1,282	1,600	2,444	2,567	1,814	1,271	4,231	3,280
Foreign-born white.....	266,856	1,035	1,641	2,173	3,190	1,301	872	2,185	2,070
Naturalized.....	177,355	1,366	1,034	1,625	2,168	1,050	725	1,447	1,644
First papers.....	40,727	237	261	228	421	85	63	206	207
Alien.....	35,245	296	124	147	441	88	44	135	82
Unknown.....	13,529	36	222	173	100	78	40	397	137
Negro.....	3,838	9	17	2	13	8	2	4	.....
Indian, Chinese, Japanese, and all other.....	2,637	28	1	407	389	.....	1	9	.....
Females 21 years of age and over.....	642,502	3,250	4,492	5,305	5,862	3,178	2,443	9,172	5,910
Native white—Native parentage.....	157,017	981	1,438	1,135	1,764	673	647	3,034	876
Native white—Foreign or mixed parentage.....	284,192	1,016	1,606	2,146	1,966	1,544	1,130	4,245	3,267
Foreign-born white.....	195,726	1,220	1,435	1,620	1,722	980	667	1,890	1,768
Naturalized.....	142,035	957	861	1,237	1,330	799	545	1,301	1,439
First papers.....	3,211	8	26	23	19	10	3	33	19
Alien.....	37,404	211	234	187	262	89	67	211	142
Unknown.....	13,076	44	314	173	111	65	45	345	168
Negro.....	2,828	9	13	.....	10	1	3	1	.....
Indian, Chinese, Japanese, and all other.....	2,139	24	.....	404	400	.....	2	.....	.....
Males 18 to 44 years, inclusive.....	526,532	3,113	2,918	4,314	5,852	2,837	2,088	6,332	4,359
Females 18 to 44 years, inclusive.....	485,140	2,502	2,768	3,906	4,636	2,503	1,842	6,416	4,291
ILLITERACY.									
Total 10 years of age and over.....	1,877,132	11,227	12,279	17,047	20,252	10,373	7,581	25,198	17,384
Number illiterate.....	34,437	201	355	545	725	219	21	214	301
Per cent illiterate.....	1.8	1.8	2.9	3.2	3.6	2.1	0.3	0.8	1.7
Per cent illiterate in 1910.....	3.0	4.0	2.4	4.2	5.4	4.2	2.2	2.4	2.7
Native white.....	1,380,415	7,836	9,066	11,957	13,867	8,044	6,015	21,014	13,478
Number illiterate.....	5,955	36	115	69	76	74	10	51	65
Per cent illiterate.....	0.4	0.5	1.3	0.6	0.5	0.9	0.2	0.2	0.5
Foreign-born white.....	482,230	3,300	3,169	3,920	5,240	2,320	1,558	4,166	3,906
Number illiterate.....	26,242	134	234	226	230	145	11	163	236
Per cent illiterate.....	5.4	4.1	7.4	5.8	4.4	6.3	0.7	3.9	6.0
Negro.....	7,776	25	43	2	31	9	7	5	.....
Number illiterate.....	241	2	6	.....	.....	.....	.....	.....	.....
Per cent illiterate.....	3.1	.....	.....	.....	.....	.....	.....	.....	.....
Total 16 to 20 years, inclusive.....	218,770	1,333	1,252	2,119	2,264	1,406	1,000	2,875	2,254
Number illiterate.....	804	10	3	11	11	11	1	5	5
Per cent illiterate.....	0.4	0.8	0.2	0.5	0.5	0.8	0.1	0.2	0.2
Illiterate males 21 years of age and over.....	16,473	106	180	244	348	104	12	84	103
Per cent of all males 21 years of age and over.....	2.2	2.3	4.0	3.8	4.0	2.7	0.4	0.9	1.6
Native white.....	2,690	18	64	37	45	33	6	21	23
Foreign-born white.....	12,817	75	120	101	146	71	6	63	80
Negro.....	113	2	5	.....	.....	.....	.....	.....	.....
Illiterate females 21 years of age and over.....	16,396	76	159	279	345	99	5	121	187
Per cent of all females 21 years of age and over.....	2.6	2.3	3.5	5.3	5.9	3.1	0.2	1.3	3.2
Native white.....	2,021	7	45	18	17	25	.....	25	31
Foreign-born white.....	13,230	57	113	125	84	74	5	96	156
Negro.....	121	.....	1	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES.									
Dwellings, number.....	469,652	3,313	3,347	4,584	5,966	2,767	2,043	7,044	4,717
Families, number.....	526,026	3,355	3,462	4,776	6,166	2,844	2,079	7,415	4,970

1 Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Carlton.	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Clear-water.	Cook.	Cotton-wood.
COLOR OR RACE, NATIVITY, AND SEX.									
Total population.....	19,391	16,946	15,897	15,720	14,445	21,780	8,569	1,841	14,570
Male.....	10,774	8,774	8,853	8,311	7,668	11,514	4,694	1,062	7,524
Female.....	8,617	8,172	7,044	7,409	6,777	10,266	3,875	779	7,046
Native white.....	13,186	14,701	12,782	13,030	10,623	17,611	6,343	1,060	12,087
Male.....	7,028	7,535	7,086	6,769	5,583	9,142	3,377	587	6,175
Female.....	6,158	7,166	5,696	6,261	5,040	8,469	2,966	473	5,912
Native white—Native parentage.....	3,855	6,818	7,850	5,388	3,244	6,954	2,220	372	5,199
Native white—Foreign parentage.....	7,104	5,172	3,040	4,811	5,155	6,823	2,650	510	4,543
Native white—Mixed parentage.....	2,227	2,711	1,883	2,831	2,224	3,834	1,464	178	2,345
Foreign-born white.....	5,769	2,243	2,063	2,687	3,806	4,148	1,869	580	2,480
Male.....	3,509	1,239	1,248	1,539	2,075	2,359	1,133	390	1,347
Female.....	2,260	1,004	815	1,148	1,731	1,789	736	190	1,133
Negro.....	4	2	29	8	5	18	—	15	3
Male.....	4	—	18	3	3	10	—	11	2
Female.....	2	2	11	—	2	8	—	4	1
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	430	—	1,023	—	11	3	357	188	—
Per cent native white.....	68.0	86.8	80.4	82.9	73.5	80.9	74.0	57.6	83.0
Per cent foreign-born white.....	29.8	13.2	13.0	17.1	26.3	19.0	21.8	31.5	17.0
Per cent Negro.....	(¹)	(¹)	0.2	(¹)	(¹)	0.1	—	0.8	(¹)
1910: Total population.....	17,559	17,455	11,620	13,458	13,537	19,640	6,870	1,336	12,651
Native white.....	10,544	14,006	7,864	10,184	9,054	14,249	4,440	605	9,785
Foreign-born white.....	6,620	3,445	2,548	3,269	4,455	5,375	2,180	511	2,864
Negro.....	—	4	36	5	4	15	—	—	2
Per cent native white.....	60.0	80.2	67.7	75.7	66.9	72.6	64.6	45.3	77.3
Per cent foreign-born white.....	37.7	19.7	21.9	24.3	32.9	27.4	31.7	38.2	22.6
Per cent Negro.....	—	(¹)	0.3	(¹)	(¹)	0.1	—	—	(¹)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.									
Total under 7 years of age.....	3,437	2,480	2,808	2,571	1,989	3,644	1,492	340	2,408
Total 7 to 13 years, inclusive.....	3,242	2,023	2,558	2,425	1,998	3,285	1,504	259	2,390
Number attending school.....	2,844	2,518	2,397	2,131	1,913	2,946	1,217	224	2,250
Per cent attending school.....	87.7	96.0	93.7	87.9	95.7	89.7	80.9	86.5	94.1
Total 14 and 15 years.....	864	721	648	634	601	831	454	56	628
Number attending school.....	667	631	545	531	474	774	326	40	562
Per cent attending school.....	77.2	87.5	84.1	83.8	78.9	87.9	71.8	—	89.5
Total 16 and 17 years.....	763	738	625	602	578	901	380	59	665
Number attending school.....	249	256	279	340	225	442	114	23	300
Per cent attending school.....	32.6	34.7	44.6	51.4	38.9	49.1	29.3	—	45.1
Total 18 to 20 years, inclusive.....	989	1,053	846	947	729	1,259	492	79	888
Number attending school.....	107	91	125	181	150	254	50	4	150
Per cent attending school.....	10.8	8.6	14.8	19.1	20.6	20.2	10.2	—	16.9
Males 21 years of age and over.....	5,909	4,917	4,902	4,618	4,649	6,400	2,438	654	4,000
Native white—Native parentage.....	832	845	2,069	905	463	1,279	451	100	939
Native white—Foreign or mixed parentage.....	1,612	2,848	1,364	2,208	2,144	2,886	821	123	1,757
Foreign-born white.....	3,344	1,224	1,190	1,503	2,036	2,285	1,094	378	1,303
Naturalized.....	2,031	1,014	839	1,090	1,728	1,698	880	284	1,036
First papers.....	685	100	119	148	193	232	36	40	101
Alien.....	502	70	166	105	89	264	75	46	91
Unknown.....	126	40	66	160	25	91	103	8	76
Negro.....	3	—	10	2	3	8	—	6	1
Indian, Chinese, Japanese, and all other.....	118	—	260	—	3	2	72	47	—
Females 21 years of age and over.....	4,187	4,414	3,510	3,863	3,901	5,350	1,800	394	3,531
Native white—Native parentage.....	636	749	1,422	764	435	967	331	71	766
Native white—Foreign or mixed parentage.....	1,343	2,680	1,053	2,002	1,779	2,649	699	87	1,686
Foreign-born white.....	2,110	983	761	1,097	1,688	1,729	691	172	1,078
Naturalized.....	1,492	833	593	812	1,442	1,402	561	144	877
First papers.....	20	14	10	4	22	37	3	1	8
Alien.....	536	98	120	119	144	213	57	25	96
Unknown.....	62	38	38	162	78	77	70	2	97
Negro.....	1	2	6	—	—	5	—	2	1
Indian, Chinese, Japanese, and all other.....	97	—	268	—	1	—	79	62	—
Males 18 to 44 years, inclusive.....	4,190	3,439	3,385	3,450	2,893	4,736	1,604	419	2,979
Females 18 to 44 years, inclusive.....	3,183	3,108	2,725	3,074	2,474	4,177	1,355	291	2,770
ILLITERACY.									
Total 10 years of age and over.....	14,523	13,380	11,953	12,109	11,627	16,722	6,431	1,374	11,063
Number illiterate.....	311	283	487	114	275	86	142	95	149
Per cent illiterate.....	2.1	2.1	4.1	0.9	2.4	0.5	2.2	6.9	1.3
Per cent illiterate in 1910.....	4.8	1.9	10.7	1.2	5.3	2.0	3.9	7.8	1.1
Native white.....	8,482	11,141	9,153	9,436	7,820	12,585	4,338	654	8,599
Number illiterate.....	23	76	59	15	16	20	21	9	45
Per cent illiterate.....	0.3	0.7	0.6	0.2	0.2	0.2	0.5	1.4	0.5
Foreign-born white.....	5,712	2,237	2,040	2,671	3,794	4,121	1,860	574	2,461
Number illiterate.....	233	207	167	99	259	60	29	28	104
Per cent illiterate.....	4.1	9.3	8.2	3.7	6.8	1.6	1.6	4.9	4.2
Negro.....	5	2	23	2	3	13	—	9	3
Number illiterate.....	1	—	—	—	—	—	—	—	—
Per cent illiterate.....	—	—	—	—	—	—	—	—	—
Total 16 to 20 years, inclusive.....	1,752	1,791	1,471	1,609	1,307	2,160	881	138	1,553
Number illiterate.....	2	1	5	4	1	1	5	1	5
Per cent illiterate.....	0.1	0.1	0.3	0.2	0.1	(¹)	0.6	0.7	0.3
Illiterate males 21 years of age and over.....	153	121	240	54	96	40	49	45	64
Per cent of all males 21 years of age and over.....	2.6	2.5	4.9	1.2	2.1	0.6	2.0	6.9	1.6
Native white.....	11	32	38	6	8	7	6	5	24
Foreign-born white.....	118	89	82	48	88	33	11	18	40
Negro.....	1	—	—	—	—	—	—	—	—
Illiterate females 21 years of age and over.....	150	159	231	54	176	39	76	49	76
Per cent of all females 21 years of age and over.....	3.6	3.6	6.6	1.4	4.5	0.7	4.2	12.4	2.2
Native white.....	8	41	11	5	5	6	6	4	12
Foreign-born white.....	115	118	85	40	171	33	17	10	64
Negro.....	—	—	—	—	—	—	—	—	—
DWELLINGS AND FAMILIES.									
Dwellings, number.....	4,028	3,529	3,463	3,065	3,323	4,242	1,802	473	2,964
Families, number.....	4,119	3,671	3,551	3,277	3,402	4,500	1,834	475	3,022

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. For statistics of Indian population, by counties, see supplemental table.]

SUBJECT.	Crow Wing.	Dakota.	Dodge.	Douglas.	Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.
COLOR OR RACE, NATIVITY, AND SEX.									
Total population.....	24,566	28,967	12,552	19,039	20,898	25,330	24,692	30,799	9,788
Male.....	12,952	15,788	6,504	9,918	10,782	13,088	12,895	15,842	5,163
Female.....	11,614	13,179	6,048	9,121	10,216	12,242	11,797	14,957	4,625
Native white.....	19,554	23,167	11,084	15,105	18,446	22,417	20,692	25,359	8,088
Male.....	9,976	12,170	5,673	7,766	9,384	11,521	10,642	12,825	4,218
Female.....	9,578	10,997	5,391	7,339	9,062	10,896	10,050	12,534	3,868
Native white—Native parentage.....	9,738	11,424	6,516	5,746	10,183	12,251	9,690	11,023	3,079
Native white—Foreign parentage.....	6,893	7,757	2,646	6,132	4,973	6,093	7,035	9,611	3,185
Native white—Mixed parentage.....	3,423	3,986	1,902	3,227	3,290	4,073	3,967	4,725	1,822
Foreign-born white.....	4,990	5,760	1,486	3,922	2,538	2,901	3,086	5,365	1,702
Male.....	2,966	3,587	829	2,144	1,389	1,530	2,242	2,973	945
Female.....	2,024	2,173	657	1,778	1,149	1,341	1,744	2,392	767
Negro.....	13	39	2	12	14	11	10	30	.....
Male.....	7	30	2	8	9	6	7	22	.....
Female.....	6	9	.....	4	5	5	3	8	.....
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	9	1	.....	.....	.....	1	4	45	.....
Per cent native white.....	79.6	80.0	88.1	79.3	87.8	88.5	83.8	82.3	82.6
Per cent foreign-born white.....	20.3	19.9	11.8	20.6	12.1	11.5	16.1	17.4	17.4
Per cent Negro.....	0.1	0.1	(¹)	0.1	0.1	(¹)	(¹)	0.1	.....
1910: Total population.....	16,861	25,171	12,094	17,669	19,949	25,680	22,282	31,637	9,114
Native white.....	12,747	18,805	10,197	13,039	16,670	21,423	17,453	24,047	6,872
Foreign-born white.....	4,096	6,286	1,868	4,619	3,270	4,244	4,792	7,486	2,242
Negro.....	2	40	27	5	9	11	7	46	.....
Per cent native white.....	75.6	74.7	84.3	73.8	83.6	83.4	78.5	76.0	75.4
Per cent foreign-born white.....	24.3	24.8	15.4	26.1	16.4	16.5	21.5	23.7	24.6
Per cent Negro.....	(¹)	0.2	0.2	(¹)	(¹)	(¹)	(¹)	0.1	.....
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.									
Total under 7 years of age.....	4,391	4,494	1,887	2,874	3,224	3,577	3,733	3,876	1,556
Total 7 to 13 years, inclusive.....	3,746	3,960	1,822	2,845	3,012	3,456	3,038	4,207	1,473
Number attending school.....	3,600	3,733	1,766	2,655	2,802	3,313	3,492	3,856	1,313
Per cent attending school.....	96.1	94.3	96.9	93.3	93.0	95.9	91.7	91.7	89.1
Total 14 and 15 years.....	911	1,042	508	833	858	985	901	1,263	411
Number attending school.....	787	891	439	696	782	894	857	1,102	282
Per cent attending school.....	86.4	85.5	86.4	83.6	90.1	90.3	86.5	87.3	71.0
Total 16 and 17 years.....	889	1,070	541	841	878	984	930	1,283	412
Number attending school.....	856	892	262	287	409	513	469	556	167
Per cent attending school.....	40.0	38.4	48.6	34.1	46.6	52.1	44.0	43.3	40.5
Total 18 to 20 years, inclusive.....	1,196	1,548	678	1,052	1,183	1,442	1,412	1,753	509
Number attending school.....	163	183	130	107	238	341	225	333	81
Per cent attending school.....	13.6	11.8	20.1	15.9	20.1	23.6	15.9	19.0	13.5
Males 21 years of age and over.....	7,412	9,648	3,720	5,679	6,215	7,704	7,476	9,504	2,884
Native white—Native parentage.....	2,146	2,561	1,435	904	2,110	2,305	1,924	1,782	477
Native white—Foreign or mixed parentage.....	2,433	3,669	1,479	2,688	2,730	3,855	3,369	4,917	1,483
Foreign-born white.....	2,824	3,396	804	2,080	1,369	1,640	2,174	2,872	924
Naturalized.....	1,804	1,649	568	1,687	1,099	1,115	1,578	2,252	758
First papers.....	387	538	78	177	153	155	206	339	82
Alien.....	528	648	71	130	82	114	222	181	53
Unknown.....	105	561	87	80	135	156	168	100	31
Negro.....	6	21	2	7	6	3	6	12	.....
Indian, Chinese, Japanese, and all other.....	8	1	.....	.....	.....	1	3	11	.....
Females 21 years of age and over.....	6,021	7,199	3,396	4,915	5,618	7,182	6,512	8,823	2,453
Native white—Native parentage.....	1,852	1,899	1,387	817	1,947	2,274	1,627	1,766	395
Native white—Foreign or mixed parentage.....	2,253	3,316	1,378	2,368	2,546	3,584	3,202	4,718	1,313
Foreign-born white.....	1,909	1,978	631	1,727	1,122	1,820	1,681	2,327	745
Naturalized.....	1,423	1,335	431	1,422	822	958	1,219	1,925	622
First papers.....	18	46	12	13	16	30	23	61	9
Alien.....	405	531	56	179	148	165	254	233	64
Unknown.....	68	66	132	113	136	167	185	108	50
Negro.....	4	6	.....	3	3	4	2	2	.....
Indian, Chinese, Japanese, and all other.....	3	.....	.....	.....	.....	.....	.....	10	.....
Males 18 to 44 years, inclusive.....	5,304	6,531	2,459	3,780	4,174	5,054	5,388	6,316	2,100
Females 18 to 44 years, inclusive.....	4,703	5,370	2,337	3,412	3,987	4,816	4,841	6,109	1,862
ILLITERACY.									
Total 10 years of age and over.....	18,472	22,767	9,888	14,948	16,471	20,299	19,391	25,125	7,592
Number illiterate.....	259	568	67	258	104	187	227	330	70
Per cent illiterate.....	1.4	2.5	0.7	1.7	0.6	0.9	1.2	1.3	0.9
Per cent illiterate in 1910.....	2.7	2.0	1.9	2.7	2.6	2.7	2.4	1.8	2.0
Native white.....	13,506	17,033	8,392	11,041	13,928	17,395	15,408	19,717	5,895
Number illiterate.....	66	59	19	57	37	53	34	43	18
Per cent illiterate.....	0.5	0.3	0.2	0.5	0.3	0.3	0.2	0.2	0.3
Foreign-born white.....	4,945	5,699	1,474	3,896	2,530	2,893	3,969	5,348	1,697
Number illiterate.....	189	507	48	200	67	133	180	264	52
Per cent illiterate.....	3.8	8.9	3.3	5.1	2.6	4.6	4.8	4.9	3.1
Negro.....	13	34	2	11	13	10	10	27	.....
Number illiterate.....	1	2	.....	1	.....	.....	.....	1	.....
Per cent illiterate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total 16 to 20 years, inclusive.....	2,085	2,624	1,219	1,893	2,061	2,426	2,342	3,036	1,011
Number illiterate.....	7	10	2	1	.....	7	4	10	3
Per cent illiterate.....	0.3	0.4	0.2	0.1	.....	0.3	0.2	0.3	0.3
Illiterate males 21 years of age and over.....	134	313	30	104	47	80	82	141	16
Per cent of all males 21 years of age and over.....	1.8	3.2	0.8	1.8	0.8	1.0	1.1	1.5	0.6
Native white.....	37	38	9	26	19	25	17	20	6
Foreign-born white.....	96	273	21	77	28	54	62	115	10
Negro.....	.....	2	.....	1	.....	.....	.....	.....	.....
Illiterate females 21 years of age and over.....	112	241	32	151	54	98	136	174	48
Per cent of all females 21 years of age and over.....	1.9	3.3	0.9	3.1	1.0	1.4	2.1	2.0	2.0
Native white.....	17	15	6	28	15	21	12	16	6
Foreign-born white.....	92	226	26	123	30	77	121	150	42
Negro.....	1	.....	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES.									
Dwellings, number.....	5,274	5,741	2,869	4,029	4,579	5,317	5,096	6,727	1,958
Families, number.....	5,445	6,132	2,938	4,182	4,694	5,944	5,397	7,055	2,008

¹ Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Hennepin.	Houston.	Hubbard.	Isanti.	Itasca.	Jackson.	Kanabec.	Kandi- yohi.	Kittson.	Koochi- ching.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	415,419	14,013	10,136	13,278	23,876	15,955	9,086	22,060	10,638	13,520
Male.....	207,766	7,220	5,421	7,013	13,694	8,348	4,931	11,805	5,727	8,707
Female.....	207,653	6,793	4,715	6,265	10,182	7,607	4,155	10,255	4,911	4,813
Native white.....	316,998	12,258	8,681	9,633	17,017	13,385	7,046	17,283	7,529	9,252
Male.....	153,468	6,281	4,582	5,036	9,109	6,911	3,747	9,086	3,946	5,473
Female.....	163,530	5,977	4,099	4,597	7,908	6,474	3,299	8,197	3,583	3,779
Native white—Native parentage.....	148,307	5,971	5,289	2,670	7,822	5,806	3,029	6,045	1,530	4,383
Native white—Foreign parentage.....	117,303	3,944	2,010	4,827	6,500	4,709	2,732	7,457	4,487	3,102
Native white—Mixed parentage.....	51,388	2,343	1,382	2,127	2,695	2,870	1,285	3,781	1,512	1,767
Foreign-born white.....	94,132	1,750	1,451	3,643	6,406	2,570	2,040	4,772	3,093	4,146
Male.....	51,896	956	837	1,976	4,340	1,437	1,184	2,715	1,773	3,183
Female.....	42,236	794	614	1,667	2,060	1,133	856	2,057	1,320	963
Negro.....	3,985	—	—	—	5	—	—	1	5	12
Male.....	2,162	—	—	—	4	—	—	—	3	6
Female.....	1,823	—	—	—	1	—	—	1	2	6
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	304	5	3	—	448	—	—	4	11	110
Per cent native white.....	76.3	87.5	85.6	72.5	71.8	83.9	77.5	78.3	70.8	68.4
Per cent foreign-born white.....	22.7	12.5	14.3	27.4	26.8	16.1	22.5	21.6	29.1	30.7
Per cent Negro.....	1.0	—	(¹)	(¹)	(¹)	—	—	(¹)	(¹)	0.1
1910: Total population.....										
Native white.....	333,480	14,397	9,831	12,615	17,208	14,491	6,461	18,969	9,669	6,431
Foreign-born white.....	237,861	11,668	8,030	8,168	10,012	11,266	4,426	13,545	5,787	4,192
Negro.....	92,825	2,628	1,785	4,443	6,958	3,223	2,032	5,417	3,790	2,130
Per cent native white.....	2,646	—	15	4	12	2	—	5	2	10
Per cent foreign-born white.....	71.3	81.6	81.7	64.7	58.2	77.7	68.5	71.4	59.9	65.2
Per cent Negro.....	27.8	18.4	18.2	35.2	40.4	22.2	31.5	28.6	39.3	33.1
Per cent Negro.....	0.8	(¹)	0.2	(¹)	0.1	(¹)	—	(¹)	(¹)	0.2
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	54,012	2,005	1,612	2,062	4,531	2,727	1,581	3,410	1,808	2,048
Total 7 to 13 years, inclusive.....	44,926	1,936	1,728	2,151	3,775	2,459	1,452	3,244	1,810	1,752
Number attending school.....	42,366	1,894	1,610	2,088	3,295	2,296	1,382	3,077	1,711	1,662
Per cent attending school.....	94.3	97.8	93.2	97.1	87.3	93.4	95.2	94.9	94.2	94.9
Total 14 and 15 years.....	11,332	576	498	602	826	720	415	915	480	389
Number attending school.....	10,228	507	414	480	700	617	334	747	376	328
Per cent attending school.....	90.3	88.0	83.1	79.7	84.7	85.7	80.5	81.6	81.7	84.3
Total 16 and 17 years.....	12,212	535	453	527	813	697	404	921	440	390
Number attending school.....	6,094	219	202	131	407	291	124	362	155	154
Per cent attending school.....	49.9	40.9	44.6	24.9	50.1	41.8	30.7	39.3	35.2	39.5
Total 18 to 20 years, inclusive.....	21,152	767	589	681	991	954	502	1,242	533	626
Number attending school.....	4,265	144	99	70	169	154	47	179	84	50
Per cent attending school.....	20.2	18.8	16.8	10.3	17.1	16.1	9.4	14.4	14.4	8.0
Males 21 years of age and over.....	137,301	4,289	2,941	3,953	8,134	4,548	2,627	6,815	3,074	6,019
Native white—Native parentage.....	40,630	895	1,204	305	1,939	954	588	895	202	1,409
Native white—Foreign or mixed parentage.....	45,519	2,477	888	1,736	1,973	2,188	916	3,290	1,182	1,555
Foreign-born white.....	49,201	945	787	1,911	4,096	1,406	1,123	2,626	1,086	3,028
Naturalized.....	30,511	724	580	1,562	1,852	1,102	939	1,985	1,365	1,387
First papers.....	10,145	71	78	175	816	154	90	243	120	570
Alien.....	6,883	59	101	105	1,299	87	70	167	169	944
Unknown.....	1,662	91	28	69	129	63	24	231	32	127
Negro.....	1,753	—	—	—	3	—	—	—	1	5
Indian, Chinese, Japanese, and all other.....	198	2	1	—	123	—	—	4	3	22
Females 21 years of age and over.....	134,484	3,905	2,315	3,302	4,806	3,850	2,105	5,513	2,367	2,296
Native white—Native parentage.....	39,401	878	1,021	285	1,341	842	507	665	153	676
Native white—Foreign or mixed parentage.....	54,320	2,250	734	1,409	1,513	1,914	796	2,876	978	796
Foreign-born white.....	39,375	776	560	1,607	1,848	1,094	812	1,972	1,231	793
Naturalized.....	25,792	687	422	1,338	1,125	918	680	1,620	1,041	599
First papers.....	955	23	4	20	38	5	5	18	12	6
Alien.....	10,571	83	108	184	623	122	108	213	157	201
Unknown.....	2,057	83	26	65	62	49	19	121	21	32
Negro.....	1,356	—	—	—	1	—	—	—	2	2
Indian, Chinese, Japanese, and all other.....	32	1	—	—	103	—	—	—	3	24
Males 18 to 44 years, inclusive.....	99,758	2,894	1,949	2,519	6,096	3,397	1,805	4,767	2,219	4,475
Females 18 to 44 years, inclusive.....	103,611	2,635	1,717	2,223	4,043	3,009	1,561	4,057	1,835	1,937
ILLITERACY.										
Total 10 years of age and over.....	341,516	11,149	7,801	10,321	17,696	12,168	6,867	17,254	7,974	10,682
Number illiterate.....	4,072	179	55	114	1,335	144	86	273	246	426
Per cent illiterate.....	1.2	1.6	0.7	1.1	7.6	1.2	0.5	1.6	3.1	4.0
Per cent illiterate in 1910.....	2.3	2.9	1.3	2.7	8.3	1.6	6.0	2.6	3.4	2.0
Native white.....	244,556	9,402	6,300	6,688	10,964	9,611	4,838	12,501	4,909	6,535
Number illiterate.....	375	62	20	8	44	22	7	75	29	24
Per cent illiterate.....	0.2	0.7	0.3	0.1	0.4	0.2	0.1	0.6	0.6	0.4
Foreign-born white.....	93,146	1,742	1,439	3,631	6,326	2,557	2,031	4,748	3,050	4,069
Number illiterate.....	3,542	115	34	106	1,162	122	29	196	214	375
Per cent illiterate.....	3.8	6.6	2.4	2.9	18.4	4.8	1.4	4.1	7.0	9.2
Negro.....	3,549	—	—	—	5	—	—	—	5	9
Number illiterate.....	129	—	—	—	—	—	—	—	—	—
Per cent illiterate.....	3.6	—	—	—	—	—	—	—	—	—
Total 16 to 20 years, inclusive.....	33,364	1,302	1,042	1,208	1,804	1,651	906	2,163	1,023	1,016
Number illiterate.....	45	8	1	3	18	4	1	4	7	5
Per cent illiterate.....	0.1	0.6	0.1	0.2	1.0	0.2	0.1	0.2	0.7	0.5
Illiterate males 21 years of age and over.....	1,748	72	29	39	866	87	13	146	95	302
Per cent of all males 21 years of age and over.....	1.3	1.7	1.0	1.0	10.6	1.5	0.5	2.1	3.1	5.0
Native white.....	151	31	14	5	23	11	5	48	16	15
Foreign-born white.....	1,519	40	14	34	781	56	8	96	77	277
Negro.....	59	—	—	—	—	—	—	—	—	—
Illiterate females 21 years of age and over.....	2,246	97	24	71	438	71	21	119	141	118
Per cent of all females 21 years of age and over.....	1.7	2.5	1.0	2.2	9.1	1.8	1.0	2.2	6.0	5.1
Native white.....	170	21	4	2	11	7	1	20	11	8
Foreign-born white.....	2,062	75	20	69	365	64	20	99	129	94
Negro.....	68	—	—	—	—	—	—	—	—	—
DWELLINGS AND FAMILIES.										
Dwellings, number.....	73,327	3,153	2,267	2,830	4,713	3,259	1,959	4,205	2,124	2,602
Families, number.....	99,852	3,220	2,309	2,932	4,966	3,324	1,997	4,568	2,173	2,706

¹ Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Las qui Parla.	Lake.	Le Sueur.	Lincoln.	Lyon.	McLeod.	Mah- nomen.	Mar- shall.	Martin.	Meeker.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	15,554	8,251	17,870	11,266	18,637	20,444	6,197	19,443	21,085	18,103
Male.....	8,280	4,922	9,172	6,082	9,948	10,525	3,312	10,442	10,998	9,455
Female.....	7,294	3,329	8,698	5,208	8,889	9,919	2,885	9,001	10,087	8,648
Native white.....	12,751	5,006	15,517	9,056	15,644	17,001	4,168	14,632	18,362	14,699
Male.....	6,675	2,745	7,939	4,764	8,120	8,697	2,225	7,074	9,466	7,539
Female.....	6,076	2,261	7,578	4,292	7,524	8,304	1,943	6,558	8,896	7,160
Native white—Native parentage.....	4,605	1,331	7,832	3,286	7,527	7,152	2,019	3,745	9,883	6,006
Native white—Foreign parentage.....	6,241	2,619	4,902	3,948	5,259	6,333	1,365	7,751	5,198	5,810
Native white—Mixed parentage.....	2,905	756	2,723	1,822	2,858	3,516	784	3,136	3,281	2,880
Foreign-born white.....	2,801	3,154	2,348	2,212	3,180	3,433	623	4,506	2,713	3,404
Male.....	1,583	2,128	1,228	1,298	1,824	1,824	373	2,765	1,524	1,916
Female.....	1,218	1,026	1,120	914	1,356	1,609	250	2,041	1,189	1,488
Negro.....	1	9	5	3	3	10	1	5	10	.....
Male.....	1	6	5	.....	.....	4	1	3	8	.....
Female.....	.....	3	.....	.....	.....	6	.....	2	2	.....
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	1	82	.....	.....	1	.....	1,405	.....	.....	.....
Per cent native white.....	82.0	60.7	86.8	80.4	83.0	83.2	67.3	75.3	87.1	81.2
Per cent foreign-born white.....	18.0	38.2	13.1	19.6	16.9	16.8	10.1	24.7	12.9	18.8
Per cent Negro.....	(¹)	0.1	(¹)	.....	(¹)	(¹)	(¹)	(¹)	(¹)	.....
1910: Total population.....	15,435	8,011	14,609	9,374	15,722	18,691	3,249	16,338	17,518	17,022
Native white.....	11,634	4,254	15,315	7,386	12,219	14,546	1,310	11,062	14,507	12,576
Foreign-born white.....	3,796	3,715	3,285	2,487	3,498	4,133	298	5,272	3,007	4,443
Negro.....	5	.....	23	1	5	12	.....	3	4	8
Per cent native white.....	75.4	53.1	82.3	74.8	77.7	77.8	40.5	67.7	82.8	73.9
Per cent foreign-born white.....	24.6	46.4	17.5	25.2	22.2	22.1	9.2	32.3	17.2	26.1
Per cent Negro.....	(¹)	.....	0.1	(¹)	(¹)	0.1	.....	(¹)	(¹)	(¹)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	2,552	1,213	2,385	1,976	3,202	3,128	1,271	3,429	3,435	2,809
Total 7 to 13 years, inclusive.....	2,405	1,250	2,457	1,873	2,849	3,085	1,159	3,082	3,298	2,786
Number attending school.....	2,258	1,214	2,285	1,800	2,634	2,980	975	2,927	3,094	2,610
Per cent attending school.....	93.9	90.7	92.2	96.1	92.5	96.6	84.1	95.0	93.8	94.4
Total 14 and 15 years.....	673	315	796	475	763	857	264	870	954	819
Number attending school.....	589	274	656	394	683	743	193	732	819	644
Per cent attending school.....	87.5	87.0	82.4	82.9	89.5	86.7	75.0	84.1	85.8	78.6
Total 16 and 17 years.....	651	288	780	449	731	869	229	822	870	740
Number attending school.....	290	144	297	172	347	319	95	307	365	288
Per cent attending school.....	44.5	50.0	38.1	38.3	47.5	36.7	41.5	37.3	42.0	36.2
Total 18 to 20 years, inclusive.....	939	385	1,007	657	985	1,217	325	1,143	1,236	984
Number attending school.....	173	70	131	109	149	178	43	163	200	150
Per cent attending school.....	18.4	18.2	13.0	16.6	15.1	14.6	13.2	14.3	16.2	15.2
Males 21 years of age and over.....	4,580	3,054	5,441	3,252	5,597	5,863	1,684	5,620	6,044	5,386
Native white—Native parentage.....	643	331	1,451	458	1,552	905	334	618	1,937	908
Native white—Foreign or mixed parentage.....	2,937	661	2,776	1,534	2,314	3,190	664	2,459	2,622	2,579
Foreign-born white.....	1,548	2,036	1,210	1,260	1,727	1,706	349	2,642	1,480	1,869
Naturalized.....	1,255	1,138	1,002	903	1,316	1,476	254	2,166	1,165	1,644
First papers.....	133	410	130	105	122	185	23	215	90	141
Alien.....	116	464	41	76	195	80	22	158	65	92
Unknown.....	44	24	37	115	94	25	50	103	160	92
Negro.....	1	3	4	.....	.....	2	.....	1	5	.....
Indian, Chinese, Japanese, and all other.....	1	23	.....	.....	1	.....	337	.....	.....	.....
Females 21 years of age and over.....	3,754	1,740	5,003	2,586	4,710	5,425	1,265	4,477	5,248	4,629
Native white—Native parentage.....	497	256	1,329	418	1,309	916	278	458	1,749	837
Native white—Foreign or mixed parentage.....	2,065	492	2,667	1,279	2,181	2,962	435	2,030	2,336	2,318
Foreign-born white.....	1,192	971	1,107	894	1,270	1,545	232	1,637	1,162	1,454
Naturalized.....	987	743	929	703	934	1,323	172	1,637	933	1,211
First papers.....	17	11	22	5	17	35	1	15	3	34
Alien.....	143	198	106	82	217	160	30	183	77	110
Unknown.....	45	19	50	104	102	26	29	96	149	90
Negro.....	.....	3	.....	.....	.....	.....	.....	2	1	.....
Indian, Chinese, Japanese, and all other.....	.....	18	.....	.....	.....	290	.....	.....	.....	.....
Males 18 to 44 years, inclusive.....	3,444	2,159	3,513	2,484	4,072	4,193	1,266	4,014	4,481	3,588
Females 18 to 44 years, inclusive.....	2,938	1,355	3,347	2,067	3,594	3,980	1,068	3,462	4,091	3,257
ILLITERACY.										
Total 10 years of age and over.....	11,961	6,467	14,444	8,497	14,375	16,008	4,363	14,726	16,183	14,111
Number illiterate.....	102	128	209	113	169	207	278	210	114	123
Per cent illiterate.....	0.9	2.0	1.4	1.3	1.2	1.3	6.4	1.4	0.7	0.9
Per cent illiterate in 1910.....	1.1	4.5	2.0	3.5	1.7	2.5	14.1	2.5	0.9	2.4
Native white.....	9,106	3,269	12,092	6,293	11,228	12,593	2,792	9,963	13,473	10,711
Number illiterate.....	22	9	53	27	30	38	30	32	36	23
Per cent illiterate.....	0.2	0.3	0.4	0.4	0.3	0.3	1.1	0.3	0.3	0.2
Foreign-born white.....	2,793	3,138	2,347	2,204	3,143	3,408	609	4,758	2,702	3,400
Number illiterate.....	80	94	156	86	140	169	37	177	78	100
Per cent illiterate.....	2.9	3.0	6.6	3.9	4.5	5.0	6.1	3.7	2.9	2.9
Negro.....	1	6	5	.....	3	7	.....	1	8	.....
Number illiterate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Per cent illiterate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total 16 to 20 years, inclusive.....	1,590	673	1,787	1,106	1,716	2,086	554	1,965	2,100	1,724
Number illiterate.....	3	6	.....	6	3	6	9	2	3	1
Per cent illiterate.....	0.2	0.9	.....	0.5	0.2	0.3	1.6	0.1	0.1	0.1
Illiterate males 21 years of age and over.....	35	70	102	54	78	81	127	90	51	46
Per cent of all males 21 years of age and over.....	0.8	2.3	1.9	1.7	1.4	1.4	7.5	1.6	0.8	0.9
Native white.....	10	7	31	12	14	15	12	14	17	11
Foreign-born white.....	25	55	71	42	64	66	21	75	34	35
Negro.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illiterate females 21 years of age and over.....	59	51	104	48	81	114	116	112	56	72
Per cent of all females 21 years of age and over.....	1.6	2.9	2.1	1.9	1.7	2.1	9.2	2.5	1.1	1.6
Native white.....	4	2	19	7	10	12	10	11	13	7
Foreign-born white.....	55	36	85	41	71	102	13	101	43	65
Negro.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES.										
Dwellings, number.....	3,112	1,630	4,143	2,250	3,849	4,347	1,108	3,889	4,399	3,826
Families, number.....	3,223	1,745	4,260	2,299	4,077	4,492	1,181	3,989	4,546	3,907

¹ Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Miller Lacs.	Morrison.	Mower.	Murray.	Nicollet.	Nobles.	Norman.	Olm- sted.	Otter Tail.	Penning- ton.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	14,180	25,841	25,993	13,831	15,036	17,917	14,880	28,014	50,818	12,091
Male.....	7,545	13,469	13,690	7,318	7,787	9,404	7,902	13,791	26,768	6,392
Female.....	6,635	12,372	12,303	6,513	7,249	8,513	6,978	14,223	24,050	5,699
Native white.....	10,946	20,935	22,816	11,408	12,457	15,260	11,899	24,895	40,308	9,544
Male.....	5,749	10,798	11,883	6,040	6,346	7,848	6,216	12,200	20,978	4,905
Female.....	5,197	10,137	10,933	5,368	6,111	7,412	5,683	12,695	19,330	4,639
Native white—Native parentage.....	4,666	8,669	12,936	5,086	5,724	7,832	3,694	15,240	15,465	3,069
Native white—Foreign parentage.....	4,440	8,120	6,128	3,983	4,156	4,820	5,495	9,446	16,476	4,217
Native white—Mixed parentage.....	1,840	4,137	3,752	2,339	2,577	2,808	2,710	3,709	8,377	2,268
Foreign-born white.....	2,949	4,903	3,152	2,222	2,562	2,652	2,980	3,061	10,418	2,544
Male.....	1,651	2,669	1,804	1,278	1,426	1,554	1,685	1,558	5,738	1,484
Female.....	1,298	2,234	1,348	944	1,136	1,098	1,295	1,503	4,680	1,060
Negro.....	1	2	25	1	17	3	1	42	86	3
Male.....	1	1	23	1	15	2	1	21	48	3
Female.....	1	1	2	1	2	3	1	21	38	1
Indian, Chinese, Japanese, and all other (see Tables I and 7).....	284	1	1	1	2	2	1	16	6	1
Per cent native white.....	77.2	81.0	87.8	83.7	82.8	85.2	80.0	88.9	79.3	78.9
Per cent foreign-born white.....	20.8	19.0	12.1	16.3	17.0	14.8	20.0	10.9	20.5	21.0
Per cent Negro.....	(1)	(1)	0.1	(1)	0.1	(1)	(1)	0.1	0.2	(1)
1910: Total population.....	10,705	24,053	22,640	11,755	14,125	15,210	13,446	22,497	46,036	9,376
Native white.....	7,876	18,446	18,749	9,166	10,868	12,429	9,643	18,982	33,429	6,603
Foreign-born white.....	2,586	5,601	3,870	2,538	3,240	2,780	3,801	5,478	12,554	2,759
Negro.....	6	6	21	1	11	2	2	33	82	7
Per cent native white.....	73.6	76.7	82.8	78.0	76.9	81.7	84.4	84.4	72.6	70.4
Per cent foreign-born white.....	24.3	23.3	17.1	22.0	23.0	18.3	28.3	15.6	27.3	29.4
Per cent Negro.....	0.1	(1)	0.1	(1)	0.1	(1)	(1)	0.1	0.1	0.1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	2,196	4,703	3,798	2,485	2,025	3,071	2,358	3,804	8,070	2,102
Total 7 to 13 years, inclusive.....	2,386	4,430	3,506	2,194	2,036	2,873	2,421	3,500	8,038	2,029
Number attending school.....	2,232	4,280	3,351	2,046	1,944	2,359	2,112	3,379	7,396	1,932
Per cent attending school.....	93.5	95.5	95.0	93.3	95.5	82.0	87.2	96.5	92.0	95.2
Total 14 and 15 years.....	680	1,207	1,031	610	580	800	683	952	2,330	538
Number attending school.....	553	1,078	895	554	491	600	577	852	1,941	483
Per cent attending school.....	81.3	89.3	86.7	89.5	84.7	75.0	84.5	89.5	83.0	89.8
Total 16 and 17 years.....	233	1,208	1,018	580	561	763	633	1,004	2,163	556
Number attending school.....	233	423	525	250	236	244	231	487	758	253
Per cent attending school.....	36.5	35.0	51.6	43.1	42.1	32.0	36.5	48.5	35.0	45.5
Total 18 to 20 years, inclusive.....	746	1,464	1,598	784	801	1,048	926	1,502	2,910	686
Number attending school.....	106	217	302	109	109	108	150	232	366	139
Per cent attending school.....	14.2	14.8	18.9	13.9	21.1	10.1	16.2	15.4	12.6	20.3
Males 21 years of age and over.....	4,089	6,879	8,029	3,886	4,768	5,087	4,322	8,477	14,844	3,382
Native white—Native parentage.....	961	1,298	2,927	878	998	1,543	411	3,534	2,467	436
Native white—Foreign or mixed parentage.....	1,476	2,974	3,327	1,802	2,350	2,690	2,271	3,360	6,774	1,511
Foreign-born white.....	1,590	2,606	1,754	1,206	1,306	1,452	1,039	1,525	5,578	1,432
Naturalized.....	1,236	2,191	1,225	903	907	983	1,330	936	4,097	1,191
First papers.....	173	187	166	114	125	146	107	107	492	104
Alien.....	91	98	207	130	56	156	116	159	386	67
Unknown.....	90	130	156	80	319	188	47	323	603	70
Negro.....	62	1	21	15	2	1	1	19	24	3
Indian, Chinese, Japanese, and all other.....	62	1	1	1	2	2	1	9	1	1
Females 21 years of age and over.....	3,445	5,950	7,013	3,083	4,265	4,275	3,537	8,775	12,563	2,798
Native white—Native parentage.....	802	1,152	2,590	718	930	1,370	358	3,080	2,255	345
Native white—Foreign or mixed parentage.....	1,308	2,636	3,130	1,468	2,214	1,891	1,910	3,631	5,754	1,443
Foreign-born white.....	1,265	2,162	1,291	896	1,119	1,012	1,269	1,448	4,533	1,010
Naturalized.....	1,018	1,810	962	708	772	716	1,012	852	3,390	884
First papers.....	8	16	13	3	12	5	13	13	47	2
Alien.....	171	197	146	111	81	143	161	192	525	77
Unknown.....	68	139	170	76	254	148	83	391	571	47
Negro.....	1	1	2	1	2	2	1	13	19	1
Indian, Chinese, Japanese, and all other.....	69	1	1	1	1	1	1	3	2	1
Males 18 to 44 years, inclusive.....	2,682	4,717	5,826	2,925	3,088	3,763	3,097	5,782	10,190	2,374
Females 18 to 44 years, inclusive.....	2,435	4,310	5,144	2,448	2,931	3,403	2,662	6,312	9,114	2,237
ILLITERACY.										
Total 10 years of age and over.....	10,964	19,209	20,713	10,160	12,151	13,594	11,516	22,663	39,272	9,075
Number illiterate.....	233	431	102	42	242	106	89	189	637	63
Per cent illiterate.....	2.1	2.2	0.5	0.4	2.0	0.8	0.8	0.8	1.6	0.7
Per cent illiterate in 1910.....	3.9	5.1	2.7	1.1	2.2	1.3	2.5	1.6	2.7	1.4
Native white.....	7,821	14,326	17,553	7,947	9,579	10,959	8,557	19,573	28,838	6,543
Number illiterate.....	25	121	39	6	69	18	28	76	103	11
Per cent illiterate.....	0.3	0.8	0.2	0.1	0.7	0.2	0.3	0.4	0.4	0.2
Foreign-born white.....	2,939	4,881	3,135	2,212	2,555	2,631	2,958	3,035	10,369	2,529
Number illiterate.....	40	310	63	35	109	88	61	112	532	51
Per cent illiterate.....	1.4	6.4	2.0	1.6	6.6	3.3	2.1	3.7	5.1	2.0
Negro.....	1	1	25	1	17	2	1	42	62	3
Number illiterate.....	1	1	1	1	4	1	1	1	2	1
Per cent illiterate.....	1	1	1	1	4	1	1	1	2	1
Total 16 to 20 years, inclusive.....	1,384	2,672	2,616	1,364	1,362	1,811	1,559	2,506	5,073	1,242
Number illiterate.....	27	19	5	1	1	4	3	3	8	2
Per cent illiterate.....	2.0	0.7	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2
Illiterate males 21 years of age and over.....	88	213	45	17	118	49	33	83	275	25
Per cent of all males 21 years of age and over.....	2.2	3.1	0.6	0.4	2.5	1.0	0.8	1.0	1.9	0.7
Native white.....	18	62	17	4	38	6	14	30	54	8
Foreign-born white.....	22	151	28	13	77	43	19	62	220	16
Negro.....	1	1	1	1	1	1	1	1	1	1
Illiterate females 21 years of age and over.....	84	195	46	24	123	45	63	98	346	36
Per cent of all females 21 years of age and over.....	2.4	3.3	0.7	0.8	2.9	1.1	1.5	1.1	2.8	1.3
Native white.....	6	38	16	1	30	4	11	28	34	1
Foreign-born white.....	18	157	33	22	92	41	42	60	312	34
Negro.....	1	1	1	1	1	1	1	1	1	1
DWELLINGS AND FAMILIES.										
Dwellings, number.....	3,108	5,228	5,490	2,686	2,902	3,634	2,917	5,623	9,948	2,372
Families, number.....	3,184	5,342	5,742	2,741	2,995	3,747	3,020	6,121	10,309	2,484

1 Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Pine.	Pipe-stone.	Polk.	Pope.	Ramsey.	Red Lake.	Red-wood.	Ren-ville.	Rice.	Rock.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	21,117	12,050	37,090	13,631	244,554	7,283	20,908	23,634	28,307	10,965
Male.....	11,379	6,378	19,727	7,240	122,601	3,802	10,962	12,420	14,137	5,831
Female.....	9,738	5,672	17,363	6,391	121,953	3,481	9,946	11,214	14,170	5,134
Native white.....	15,943	10,103	29,103	11,122	187,528	5,952	17,813	19,757	24,601	8,826
Male.....	8,432	5,252	15,252	5,795	91,578	3,049	9,207	10,254	12,175	4,546
Female.....	7,511	4,851	13,851	5,327	95,950	2,903	8,606	9,503	12,426	4,280
Native white—Native parentage.....	6,104	4,958	9,107	4,387	81,000	2,156	8,284	8,122	12,650	4,115
Native white—Foreign parentage.....	6,036	3,107	13,325	4,350	72,984	2,394	5,679	7,385	7,538	2,917
Native white—Mixed parentage.....	2,903	2,038	6,671	2,385	33,544	1,402	3,850	4,250	4,413	1,704
Foreign-born white.....	4,958	1,922	7,976	2,502	53,486	1,309	2,910	3,897	3,670	2,132
Male.....	2,826	1,113	4,470	1,444	29,076	751	1,604	2,159	1,940	1,281
Female.....	2,132	809	3,506	1,058	24,410	558	1,216	1,708	1,730	851
Negro.....	17	2	8	7	3,389	2	48	2	29	7
Male.....	11	2	5	1	1,835	2	18	1	10	4
Female.....	6	—	3	6	1,554	—	30	1	13	3
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	199	23	3	—	151	—	137	8	7	—
Per cent native white.....	75.5	83.8	78.5	81.6	76.7	81.9	85.2	83.6	85.9	80.5
Per cent foreign-born white.....	23.5	16.0	21.5	18.4	21.9	18.0	13.9	16.4	13.0	19.4
Per cent Negro.....	0.1	(¹)	(¹)	0.1	1.4	(¹)	0.2	(¹)	0.1	0.1
1910: Total population.....	15,878	9,553	36,001	12,746	223,675	6,564	18,425	23,123	25,911	10,222
Native white.....	10,691	7,566	25,373	9,658	161,818	4,866	14,790	18,056	21,253	7,857
Foreign-born white.....	5,002	1,765	10,594	3,085	58,619	1,708	3,457	6,035	4,636	2,362
Negro.....	11	1	27	3	3,154	—	11	1	21	3
Per cent native white.....	67.3	79.2	70.5	75.8	72.3	74.0	80.3	78.2	82.0	76.9
Per cent foreign-born white.....	31.5	18.5	29.4	24.2	26.2	26.0	18.8	21.8	17.9	23.1
Per cent Negro.....	0.1	(¹)	0.1	(¹)	1.4	—	0.1	(¹)	0.1	(¹)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	3,506	2,065	5,794	2,140	32,050	1,393	3,584	3,798	3,690	1,790
Total 7 to 13 years, inclusive.....	3,632	1,833	5,556	2,088	27,894	1,210	3,303	3,592	4,019	1,773
Number attending school.....	3,444	1,698	5,215	1,941	26,512	1,147	3,215	3,360	3,470	1,592
Per cent attending school.....	94.8	92.6	93.0	93.0	95.0	94.8	95.5	93.3	86.3	89.8
Total 14 and 15 years.....	976	472	1,618	605	7,011	354	872	1,058	1,241	416
Number attending school.....	809	406	1,428	503	6,157	298	876	917	1,026	329
Per cent attending school.....	82.9	85.8	88.3	83.1	87.4	84.2	90.1	86.7	82.7	79.1
Total 16 and 17 years.....	899	478	1,542	576	7,862	333	922	1,057	1,290	463
Number attending school.....	328	225	668	247	3,125	130	355	509	588	171
Per cent attending school.....	36.5	46.8	43.3	42.9	39.7	39.0	41.8	48.2	45.4	36.9
Total 18 to 20 years, inclusive.....	1,109	670	2,208	780	13,115	415	1,203	1,400	1,778	620
Number attending school.....	141	117	381	133	2,084	50	201	258	398	81
Per cent attending school.....	12.7	17.5	17.3	17.1	15.5	12.0	16.7	18.4	22.4	13.1
Males 21 years of age and over.....	6,149	3,540	11,103	4,043	79,082	7,979	5,849	6,885	8,119	3,274
Native white—Native parentage.....	1,250	1,070	1,386	601	20,214	333	1,438	1,172	2,453	901
Native white—Foreign or mixed parentage.....	2,135	1,411	5,365	2,040	29,821	982	2,731	3,599	3,778	1,190
Foreign-born white.....	2,708	1,053	4,361	1,402	27,491	732	1,633	2,112	1,875	1,172
Naturalized.....	2,098	734	3,424	1,101	17,735	607	1,197	1,049	1,407	645
First papers.....	364	133	354	117	5,131	30	160	163	183	146
Alien.....	202	100	323	101	3,397	44	125	119	134	249
Unknown.....	39	8	200	83	1,223	51	151	191	151	132
Negro.....	5	2	1	—	1,461	2	7	1	9	2
Indian, Chinese, Japanese, and all other.....	50	4	—	—	95	—	40	1	4	—
Females 21 years of age and over.....	4,846	2,992	9,269	3,401	77,510	1,579	5,010	5,844	8,104	2,629
Native white—Native parentage.....	1,033	955	1,152	575	19,072	235	1,294	1,004	2,554	716
Native white—Foreign or mixed parentage.....	1,749	1,276	4,729	1,808	34,651	804	2,472	3,137	3,936	1,142
Foreign-born white.....	2,013	765	3,386	1,017	22,649	540	1,208	1,641	1,666	769
Naturalized.....	1,681	587	2,680	799	15,760	443	899	1,246	1,243	461
First papers.....	18	4	33	7	527	1	9	20	34	18
Alien.....	337	109	392	134	5,024	37	129	150	213	186
Unknown.....	32	55	281	77	1,332	59	171	225	176	104
Negro.....	43	—	1	1	1,114	—	7	1	7	2
Indian, Chinese, Japanese, and all other.....	43	6	1	—	21	—	29	1	1	—
Males 18 to 44 years, inclusive.....	4,156	2,572	7,880	2,862	58,186	1,370	4,356	4,903	5,604	2,431
Females 18 to 44 years, inclusive.....	3,492	2,290	6,957	2,537	69,015	1,261	3,934	4,427	5,852	2,071
ILLITERACY.										
Total 10 years of age and over.....	16,031	9,160	28,852	10,554	200,034	5,355	15,871	18,296	22,993	8,394
Number illiterate.....	364	84	714	142	3,180	349	129	195	1,724	62
Per cent illiterate.....	2.3	0.9	2.5	1.3	1.6	6.5	0.8	1.1	7.5	0.7
Per cent illiterate in 1910.....	3.8	1.4	4.2	1.9	2.2	8.9	1.4	1.7	5.4	1.1
Native white.....	10,940	7,239	20,913	8,065	143,930	4,051	12,845	14,449	19,305	6,232
Number illiterate.....	81	19	89	11	307	109	26	39	1,393	23
Per cent illiterate.....	0.7	0.3	0.4	0.1	0.2	2.7	0.2	0.3	7.2	0.4
Foreign-born white.....	4,931	1,903	7,930	2,488	52,974	1,302	2,807	3,841	3,658	2,108
Number illiterate.....	223	65	625	181	2,804	240	95	155	324	89
Per cent illiterate.....	4.5	3.4	7.9	5.3	5.3	18.4	3.3	4.0	8.9	1.9
Negro.....	13	2	7	1	3,001	2	32	2	23	4
Number illiterate.....	1	—	—	—	67	—	—	1	5	—
Per cent illiterate.....	—	—	—	—	2.2	—	—	—	—	—
Total 16 to 20 years, inclusive.....	2,008	1,148	3,750	1,356	20,977	748	2,125	2,457	3,074	1,083
Number illiterate.....	12	3	16	2	37	5	1	3	273	5
Per cent illiterate.....	0.6	0.3	0.4	0.1	0.2	0.7	(¹)	0.1	8.9	0.5
Illiterate males 21 years of age and over.....	160	35	314	64	1,384	197	54	96	573	22
Per cent of all males 21 years of age and over.....	2.6	1.0	2.8	1.6	1.8	10.0	0.9	1.4	7.1	0.7
Native white.....	45	4	41	5	131	60	15	24	436	9
Foreign-born white.....	96	31	273	59	1,217	137	36	72	134	13
Negro.....	1	—	—	—	28	—	—	—	1	—
Illiterate females 21 years of age and over.....	182	44	377	74	1,742	140	73	94	558	30
Per cent of all females 21 years of age and over.....	3.8	1.5	4.1	2.2	2.2	8.9	1.5	1.6	7.2	1.1
Native white.....	26	10	31	2	128	37	9	10	413	9
Foreign-born white.....	126	34	346	72	1,572	103	59	83	171	21
Negro.....	—	—	—	—	39	—	—	1	2	—
DWELLINGS AND FAMILIES.										
Dwellings, number.....	4,494	2,497	7,451	2,712	44,549	1,389	4,256	4,825	5,713	2,289
Families, number.....	4,555	2,589	7,584	2,830	56,580	1,409	4,335	4,987	6,016	2,360

¹ Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Roseau.	St. Louis.	Scott.	Sherburne.	Sibley.	Stearns.	Steele.	Stevens.	Swift.	Todd.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	13,305	206,391	14,245	9,651	15,635	55,741	18,061	9,778	15,093	26,059
Male.....	7,307	113,717	7,413	5,353	8,225	28,522	9,202	5,154	7,963	13,612
Female.....	5,998	92,674	6,832	4,298	7,410	27,219	8,859	4,624	7,130	12,447
Native white.....	9,971	133,038	12,421	8,054	13,402	48,688	15,235	8,377	12,628	22,236
Male.....	5,328	68,138	6,371	4,419	6,973	24,574	7,692	4,359	6,586	11,512
Female.....	4,643	65,800	6,050	3,635	6,429	24,114	7,503	4,018	6,042	10,724
Native white—Native parentage.....	3,094	38,286	6,305	4,350	5,906	23,954	7,143	3,876	5,293	11,215
Native white—Foreign parentage.....	4,634	75,086	4,017	2,368	4,656	14,670	5,201	2,785	4,706	6,938
Native white—Mixed parentage.....	2,243	20,566	2,099	1,336	2,840	10,064	2,846	1,716	2,629	4,085
Foreign-born white.....	3,324	71,313	1,813	1,577	2,228	7,007	2,759	1,400	2,463	3,823
Male.....	1,972	44,913	1,036	914	1,250	3,920	1,497	794	1,376	2,100
Female.....	1,352	26,400	777	663	978	3,087	1,262	606	1,087	1,723
Negro.....	1	531	4	15	5	41	12	1	1	.....
Male.....	1	201	1	15	2	23	8	1	1	.....
Female.....	1	240	3	.....	3	18	4	.....	.....	.....
Indian, Chinese, Japanese, and all other (see Tables I and 7).....	9	609	7	5	.....	5	5	.....	1	.....
Per cent native white.....	74.9	64.9	87.2	83.5	85.7	87.3	84.6	85.7	83.7	85.3
Per cent foreign-born white.....	25.0	34.0	12.7	16.3	14.3	12.6	15.3	14.3	16.3	14.7
Per cent Negro.....	(¹)	0.3	(¹)	0.2	(¹)	0.1	0.1	(¹)	(¹)	.....
1910: Total population.....	11,338	163,274	14,888	8,136	15,540	47,733	16,146	8,293	12,949	23,407
Native white.....	7,540	98,699	12,290	6,233	12,466	38,970	12,775	6,617	9,964	19,040
Foreign-born white.....	3,721	75,408	2,592	1,888	3,008	8,749	3,351	1,674	2,983	4,359
Negro.....	2	439	1	9	6	14	20	2	1	2
Per cent native white.....	66.5	53.1	82.5	76.6	80.2	81.6	79.1	79.8	76.9	81.4
Per cent foreign-born white.....	32.8	46.2	17.4	23.2	19.7	18.3	20.8	20.2	23.0	18.6
Per cent Negro.....	(¹)	0.3	(¹)	0.1	(¹)	(¹)	0.1	(¹)	(¹)	(¹)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	2,368	34,702	2,049	1,450	2,316	10,121	2,685	1,737	2,506	4,401
Total 7 to 13 years, inclusive.....	2,335	30,387	2,144	1,389	2,347	9,042	2,801	1,537	2,440	4,290
Number attending school.....	2,213	28,718	1,920	1,355	2,216	8,776	2,705	1,491	2,322	4,129
Per cent attending school.....	94.8	94.5	89.6	97.6	94.4	93.1	96.8	97.0	95.2	96.2
Total 14 and 15 years.....	603	6,472	602	363	603	2,502	707	401	603	1,226
Number attending school.....	507	5,680	464	334	610	1,919	690	416	508	1,077
Per cent attending school.....	84.1	87.8	77.1	92.0	88.0	73.3	90.0	90.2	86.0	87.8
Total 16 and 17 years.....	621	6,761	600	380	707	2,597	783	385	647	1,178
Number attending school.....	222	2,781	173	154	321	920	304	194	287	480
Per cent attending school.....	35.7	41.1	28.8	40.4	45.4	33.8	46.5	50.3	44.4	40.7
Total 18 to 20 years, inclusive.....	718	9,674	891	618	954	3,437	983	607	905	1,547
Number attending school.....	76	1,385	82	201	104	561	154	118	146	212
Per cent attending school.....	10.6	14.3	9.5	32.5	17.2	16.3	15.6	19.4	16.1	13.7
Males 21 years of age and over.....	3,906	69,787	4,210	3,084	4,635	14,805	5,127	2,743	4,311	7,204
Native white—Native parentage.....	555	9,002	899	978	787	3,680	1,224	672	767	2,211
Native white—Foreign or mixed parentage.....	1,801	16,770	2,293	1,213	2,631	7,270	2,454	1,296	2,194	2,944
Foreign-born white.....	1,847	42,586	1,013	878	1,216	8,335	1,445	774	1,349	2,049
Naturalized.....	1,670	20,301	784	689	1,021	3,088	1,176	631	1,081	1,676
First papers.....	105	10,187	95	79	79	326	113	46	119	170
Alien.....	106	11,215	66	76	74	209	59	51	63	89
Unknown.....	66	883	68	34	42	212	97	46	86	114
Negro.....	1	231	1	12	1	16	4	1	.....	.....
Indian, Chinese, Japanese, and all other.....	2	245	4	3	.....	4	.....	.....	1	.....
Females 21 years of age and over.....	2,754	48,658	3,779	2,367	3,983	13,237	4,910	2,307	3,591	6,213
Native white—Native parentage.....	393	8,200	834	816	763	3,280	1,234	659	660	1,967
Native white—Foreign or mixed parentage.....	1,121	16,241	2,175	911	2,276	6,963	2,447	1,161	1,893	2,567
Foreign-born white.....	1,238	23,025	768	640	943	2,979	1,229	587	1,067	1,679
Naturalized.....	1,099	14,630	583	524	798	2,471	1,012	509	899	1,411
First papers.....	5	365	5	9	6	20	16	3	8	15
Alien.....	92	8,106	105	74	94	309	117	48	82	147
Unknown.....	42	894	73	33	45	179	84	27	78	106
Negro.....	.....	173	2	.....	1	10	.....	.....	1	.....
Indian, Chinese, Japanese, and all other.....	2	119	2	.....	.....	.....	.....	.....	.....	.....
Males 18 to 44 years, inclusive.....	2,741	52,972	2,793	2,269	3,274	10,864	3,530	1,992	3,109	5,019
Females 18 to 44 years, inclusive.....	2,105	41,066	2,680	1,644	2,673	10,372	3,533	1,861	2,764	4,590
ILLITERACY.										
Total 10 years of age and over.....	9,931	157,636	11,279	7,612	12,340	41,622	14,151	7,363	11,544	19,783
Number illiterate.....	161	6,499	266	80	91	518	119	73	168	259
Per cent illiterate.....	1.6	4.1	2.4	1.1	0.7	1.2	0.8	1.0	1.5	1.3
Per cent illiterate in 1910.....	2.0	6.8	4.2	5.3	2.8	2.8	2.3	1.2	2.6	2.8
Native white.....	6,636	86,164	9,460	6,023	10,123	34,610	11,398	5,968	9,081	15,982
Number illiterate.....	56	216	63	23	30	172	25	7	32	80
Per cent illiterate.....	0.8	0.3	0.7	0.4	0.3	0.5	0.2	0.1	0.4	0.5
Foreign-born white.....	3,287	70,526	1,809	1,669	2,214	6,974	2,742	1,394	2,461	3,801
Number illiterate.....	105	6,103	200	66	61	345	94	66	135	179
Per cent illiterate.....	3.2	8.7	11.1	3.6	2.8	4.9	3.4	4.7	5.5	4.7
Negro.....	1	468	4	15	3	38	10	1	1	.....
Number illiterate.....	.....	8	.....	1	.....	1	.....	.....	.....	.....
Per cent illiterate.....	.....	1.7	.....	.....	.....	.....	.....	.....	.....	.....
Total 16 to 20 years, inclusive.....	1,339	16,435	1,461	998	1,661	6,084	1,771	993	1,552	2,725
Number illiterate.....	3	51	1	3	3	11	4	1	.....	4
Per cent illiterate.....	0.2	0.3	0.1	0.3	0.2	0.2	0.2	0.1	.....	0.1
Illiterate males 21 years of age and over.....	85	3,808	117	41	34	244	50	26	65	119
Per cent of all males 21 years of age and over.....	2.2	5.5	2.8	1.3	0.7	1.6	1.0	0.9	1.6	1.7
Native white.....	32	89	32	11	17	79	14	3	21	42
Foreign-born white.....	53	3,631	83	30	17	164	36	23	43	77
Negro.....	.....	3	.....	.....	.....	1	.....	.....	.....	.....
Illiterate females 21 years of age and over.....	68	2,585	146	82	53	245	64	44	102	130
Per cent of all females 21 years of age and over.....	2.5	5.3	3.9	1.4	1.3	1.9	1.3	1.9	2.5	2.1
Native white.....	16	66	28	7	9	66	6	2	10	28
Foreign-born white.....	52	2,437	117	25	44	179	58	42	92	102
Negro.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES.										
Dwellings, number.....	2,740	35,983	3,051	2,029	3,253	10,405	3,808	1,945	2,930	5,439
Families, number.....	2,815	41,992	3,121	2,080	3,322	11,009	3,925	2,004	3,041	5,616

¹ Less than one-tenth of 1 per cent.

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

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

SUBJECT.	Traverse.	Wabasha.	Wadena.	Waseca.	Washington.	Watson.	Wilkin.	Winona.	Wright.	Yellow Medicine.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	7,943	17,919	10,699	14,133	23,761	12,457	10,187	33,653	28,885	16,550
Male.....	4,205	9,162	5,632	7,298	12,624	6,504	5,397	16,872	14,927	8,698
Female.....	3,738	9,757	5,067	6,835	11,137	5,953	4,790	16,781	13,758	7,852
Native white.....	6,729	15,638	8,920	12,431	19,004	10,360	8,812	28,933	23,786	13,674
Male.....	3,512	7,921	4,637	6,391	9,927	5,365	4,610	14,423	12,306	7,041
Female.....	3,217	7,717	4,283	6,040	9,077	4,995	4,202	14,510	11,480	6,033
Native white—Native parentage.....	3,097	8,300	4,278	6,245	8,054	4,637	4,334	13,953	10,853	5,240
Native white—Foreign parentage.....	2,328	4,524	2,924	3,893	7,269	3,745	2,808	9,400	8,445	5,157
Native white—Mixed parentage.....	1,304	2,724	1,718	2,293	3,681	1,978	1,670	5,520	4,488	3,277
Foreign-born white.....	1,212	2,272	1,779	1,699	4,697	2,092	1,371	4,703	4,896	2,808
Male.....	692	1,235	995	906	2,648	1,137	784	2,438	2,618	1,615
Female.....	520	1,037	784	793	2,049	955	587	2,265	2,278	1,190
Negro.....	1	9		1	58	5	4	13	8	
Male.....	1	6		1	47	2	3	5	3	
Female.....	1	3		2	11	3	1	8		
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	1				2			4		68
Per cent native white.....	84.7	87.3	83.4	88.0	80.0	83.2	86.5	86.0	82.9	82.6
Per cent foreign-born white.....	15.3	12.7	16.6	12.0	19.8	16.8	13.5	14.0	17.1	17.0
Per cent Negro.....	(1)	0.1		(1)	0.2	(1)	(1)	(1)	(1)	
1910: Total population.....	8,049	18,554	8,652	13,466	26,013	11,382	9,063	33,398	28,082	15,406
Native white.....	6,367	15,170	8,872	11,143	19,381	8,849	7,136	26,855	21,932	11,751
Foreign-born white.....	1,680	3,364	1,779	2,317	6,531	2,532	1,920	6,519	6,130	3,697
Negro.....	2	11	1	5	71	1	3	22	18	1
Per cent native white.....	79.1	81.8	79.4	82.7	74.5	77.7	78.7	80.4	78.1	76.3
Per cent foreign-born white.....	20.9	18.1	20.6	17.2	25.1	22.2	21.2	19.5	21.8	23.3
Per cent Negro.....	(1)	0.1	(1)	(1)	0.3	(1)	(1)	0.1	0.1	(1)
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	1,250	2,648	1,834	2,080	2,842	1,912	1,774	4,479	4,324	2,761
Total 7 to 13 years, inclusive.....	1,244	2,511	1,820	2,053	2,991	1,831	1,679	4,585	4,488	2,611
Number attending school.....	1,135	2,447	1,753	1,955	2,887	1,702	1,512	4,351	4,323	2,524
Per cent attending school.....	91.2	93.7	95.6	95.2	96.5	93.0	90.1	94.9	96.4	90.7
Total 14 and 15 years.....	358	676	494	559	817	540	467	1,282	1,318	747
Number attending school.....	294	597	417	494	720	480	410	1,105	1,156	698
Per cent attending school.....	82.1	88.3	84.4	88.4	88.1	88.9	87.8	90.9	87.7	89.4
Total 16 and 17 years.....	355	604	473	555	907	518	441	1,305	1,202	739
Number attending school.....	180	351	173	291	407	201	182	593	520	358
Per cent attending school.....	50.7	58.1	36.6	52.4	44.0	38.8	41.3	45.1	43.3	48.4
Total 18 to 20 years, inclusive.....	471	939	580	792	1,209	745	598	1,768	1,616	931
Number attending school.....	107	158	69	157	208	125	97	322	282	107
Per cent attending school.....	22.7	16.8	11.0	19.8	17.2	16.8	16.2	18.2	17.5	11.5
Males 21 years of age and over.....	2,343	5,405	2,970	4,260	8,210	3,662	2,903	10,075	8,315	4,733
Native white—Native parentage.....	606	1,583	915	1,122	1,839	873	823	2,748	1,823	701
Native white—Foreign or mixed parentage.....	1,064	2,604	1,077	2,248	3,724	1,678	1,316	4,023	3,942	2,428
Foreign-born white.....	673	1,214	978	889	2,000	1,109	761	2,395	2,548	1,582
Naturalized.....	508	878	745	658	1,963	882	539	1,956	2,051	1,227
First papers.....	76	152	85	100	261	95	99	198	216	155
Alien.....	20	69	50	50	239	57	62	97	102	128
Unknown.....	64	115	98	81	87	95	61	144	119	72
Negro.....		4		1	45	2	3	2	2	22
Indian, Chinese, Japanese, and all other.....										
Females 21 years of age and over.....	1,913	5,046	2,528	3,834	6,785	3,249	2,325	10,159	7,427	4,028
Native white—Native parentage.....	406	1,505	797	1,030	1,376	724	639	2,694	1,717	630
Native white—Foreign or mixed parentage.....	940	2,523	976	2,020	3,403	1,598	1,111	5,227	3,488	2,220
Foreign-born white.....	501	1,012	765	782	1,995	927	574	2,234	2,222	1,161
Naturalized.....	406	753	621	606	1,055	743	461	1,840	1,831	934
First papers.....	4	28	7	13	57	10	15	37	33	13
Alien.....	33	106	65	83	200	115	62	109	250	120
Unknown.....	58	125	62	80	83	59	36	188	108	94
Negro.....		1		1	11		1	3	1	17
Indian, Chinese, Japanese, and all other.....										
Males 18 to 44 years, inclusive.....	1,709	3,521	2,002	2,948	5,386	2,612	2,200	6,680	5,490	3,561
Females 18 to 44 years, inclusive.....	1,495	3,396	1,823	2,771	4,517	2,302	1,889	6,960	5,125	3,107
ILLITERACY.										
Total 10 years of age and over.....	6,149	14,193	8,081	11,204	19,648	9,793	7,693	27,210	22,477	12,637
Number illiterate.....	70	227	106	61	298	77	50	506	519	118
Per cent illiterate.....	1.1	1.6	1.3	0.5	1.5	0.8	0.6	1.9	2.3	0.9
Per cent illiterate in 1910.....	1.8	1.1	2.3	2.3	3.2	1.8	4.1	2.6	3.4	1.4
Native white.....	4,942	11,917	6,310	9,502	14,908	7,709	6,328	22,505	17,566	9,796
Number illiterate.....	12	49	28	21	76	21	18	102	176	24
Per cent illiterate.....	0.2	0.4	0.4	0.2	0.5	0.3	0.3	0.5	1.0	0.2
Foreign-born white.....	1,205	2,268	1,771	1,699	4,681	2,080	1,361	4,680	4,876	2,794
Number illiterate.....	58	177	78	40	218	56	41	404	343	88
Per cent illiterate.....	4.8	7.8	4.4	2.4	4.7	2.7	3.0	8.6	7.0	3.1
Negro.....	1	8		1	57	4	4	11	3	
Number illiterate.....					2					
Per cent illiterate.....										
Total 16 to 20 years, inclusive.....	826	1,633	1,053	1,347	2,116	1,263	1,039	3,073	2,818	1,670
Number illiterate.....	1	3	3	3	3	8	4	2	6	3
Per cent illiterate.....	0.1	0.2	0.3	0.2	0.1	0.6	0.4	0.1	0.2	0.2
Illiterate males 21 years of age and over.....	28	110	51	20	170	21	27	202	250	50
Per cent of all males 21 years of age and over.....	1.2	2.0	1.7	0.5	2.1	0.6	0.9	2.0	3.0	1.1
Native white.....	6	23	13	9	44	4	8	57	109	13
Foreign-born white.....	22	86	38	11	124	17	19	145	141	35
Negro.....		1								
Illiterate females 21 years of age and over.....	40	112	52	36	120	44	26	300	252	64
Per cent of all females 21 years of age and over.....	2.1	2.2	2.1	0.9	1.8	1.4	1.1	3.0	3.4	1.6
Native white.....	4	21	12	7	25	5	4	41	50	7
Foreign-born white.....	36	91	40	29	93	39	22	259	202	53
Negro.....					2					
DWELLINGS AND FAMILIES.										
Dwellings, number.....	1,698	4,204	2,211	3,196	5,196	2,633	1,968	7,680	6,163	3,275
Families, number.....	1,728	4,296	2,263	3,274	5,446	2,712	2,044	7,941	6,340	3,377

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.			CITIES OF 10,000 TO 25,000.							
	Duluth.	Minneapolis.	St. Paul.	Austin.	Fairbault.	Hibbing village.	Man-kato.	Rochester.	St. Cloud.	Virginia.	Winona.
COLOR OR RACE, NATIVITY, AND SEX.											
Total population.....	98,917	380,532	234,698	10,118	11,089	15,089	12,469	13,722	15,873	14,022	19,143
Male.....	51,873	189,215	117,368	5,331	5,375	9,050	5,968	6,316	8,160	7,006	9,241
Female.....	47,044	191,317	117,330	4,787	5,714	6,039	6,501	7,406	7,713	6,416	9,902
Native white.....	68,196	288,333	179,576	8,931	9,707	9,540	10,660	11,832	13,023	9,175	16,075
Male.....	33,790	138,450	87,424	4,615	4,711	5,093	5,056	5,382	6,856	4,661	7,700
Female.....	34,406	149,883	92,152	4,316	5,056	4,447	5,604	6,450	6,767	4,514	8,375
Native white—Native parentage.....	23,931	133,178	77,378	5,497	5,240	3,338	5,589	7,124	7,004	2,490	7,267
Native white—Foreign parentage.....	32,000	108,824	70,190	2,158	2,782	4,770	3,354	3,044	4,031	5,109	5,630
Native white—Mixed parentage.....	12,265	46,331	32,008	1,276	1,745	1,432	1,717	1,664	2,588	1,516	3,178
Foreign-born white.....	30,118	88,032	51,595	1,162	1,308	5,525	1,797	1,837	2,190	4,818	3,053
Male.....	17,722	48,402	28,003	603	650	3,937	901	903	1,260	2,925	1,531
Female.....	12,396	39,630	23,592	469	653	1,588	896	934	930	1,893	1,522
Negro.....	495	3,927	3,376	25	13	2	3	37	50	13	12
Male.....	270	2,133	1,829	23	8	—	2	19	34	5	7
Female.....	225	1,794	1,547	2	5	—	1	18	16	8	5
Indian, Chinese, Japanese, and all other (see Table 7).....	108	290	151	—	6	22	9	18	10	16	3
Per cent native white.....	68.9	75.8	76.5	88.3	88.1	63.2	85.5	80.2	85.8	65.4	84.0
Per cent foreign-born white.....	30.4	23.1	22.0	11.5	11.8	30.6	14.4	13.4	13.8	34.4	15.9
Per cent Negro.....	0.5	1.0	1.4	0.2	0.1	(¹)	(¹)	0.3	0.3	0.1	0.1
1910: Total population.....	78,468	301,408	214,744	6,900	9,001	8,832	10,365	7,844	10,600	10,473	18,583
Native white.....	47,349	212,734	154,902	5,819	7,541	4,460	8,292	6,258	8,558	5,099	14,705
Foreign-born white.....	30,652	85,938	56,524	1,128	1,443	4,342	2,070	1,555	2,024	5,340	3,858
Negro.....	410	2,592	3,144	13	16	1	3	27	12	13	18
Per cent native white.....	60.3	70.6	72.2	83.6	83.8	50.6	80.0	79.8	80.7	48.7	79.1
Per cent foreign-born white.....	39.1	28.5	26.3	16.2	16.0	49.2	20.0	19.8	19.1	51.0	20.8
Per cent Negro.....	0.5	0.9	1.5	0.2	0.2	(¹)	(¹)	0.3	0.1	0.1	0.1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.											
Total under 7 years of age.....	13,978	48,085	30,557	1,332	1,134	2,506	1,509	1,565	2,011	2,554	2,309
Total 7 to 13 years, inclusive.....	12,328	40,030	26,459	1,030	1,030	1,030	1,471	1,346	2,101	2,098	2,473
Number attending school.....	11,532	37,631	25,148	1,041	1,251	1,887	1,341	1,312	2,024	1,957	2,337
Per cent attending school.....	93.5	94.0	95.0	94.0	91.9	97.5	91.2	97.5	96.3	93.3	94.5
Total 14 and 15 years.....	2,827	9,994	6,680	347	519	380	418	364	538	434	667
Number attending school.....	2,551	9,050	5,862	309	387	361	383	330	430	392	601
Per cent attending school.....	90.2	90.6	87.8	89.0	74.6	93.5	91.6	92.3	79.9	90.3	90.1
Total 16 and 17 years.....	3,330	10,937	7,479	863	570	405	460	398	589	475	711
Number attending school.....	1,271	5,572	3,002	183	264	244	260	206	248	212	312
Per cent attending school.....	38.2	50.9	40.1	50.4	45.8	60.2	56.5	51.8	42.1	44.6	43.9
Total 18 to 20 years, inclusive.....	5,391	19,388	12,613	726	775	694	716	745	996	698	1,005
Number attending school.....	740	3,985	1,980	107	175	105	170	115	276	118	202
Per cent attending school.....	13.7	20.6	15.7	14.7	22.6	15.1	23.7	15.4	27.7	16.0	20.1
Males 21 years of age and over.....	33,319	126,242	75,991	3,344	3,109	6,087	3,781	4,232	4,760	4,540	5,618
Native white—Native parentage.....	6,219	37,167	19,484	1,470	1,148	1,305	1,305	1,706	1,453	1,014	1,516
Native white—Foreign or mixed parentage.....	9,982	41,294	28,504	1,183	1,332	1,362	1,587	1,627	2,087	1,172	2,586
Foreign-born white.....	16,825	45,851	26,453	665	621	3,766	880	882	1,195	2,735	1,508
Naturalized.....	9,414	28,201	17,043	406	455	1,237	627	490	892	1,226	1,268
First papers.....	4,028	9,531	5,009	84	82	897	74	51	125	720	108
Alien.....	2,895	6,590	3,332	127	65	1,553	26	103	118	700	44
Unknown.....	488	1,472	1,069	48	69	79	153	262	60	80	88
Negro.....	213	1,734	1,455	21	4	—	2	18	24	4	6
Females 21 years of age and over.....	27,744	125,186	74,919	2,898	3,449	3,075	4,114	5,072	4,272	3,223	4,270
Native white—Native parentage.....	5,551	30,516	18,451	1,280	1,237	650	1,370	2,117	1,223	446	1,566
Native white—Foreign or mixed parentage.....	10,683	50,422	33,477	1,195	1,592	1,004	1,870	2,049	2,159	1,103	3,195
Foreign-born white.....	11,337	36,881	21,861	441	617	1,412	864	890	880	1,068	1,506
Naturalized.....	7,288	23,072	15,172	337	461	741	621	430	710	863	1,274
First papers.....	218	905	518	7	15	15	29	11	10	34	28
Alien.....	3,190	10,100	4,917	56	65	578	72	131	109	727	69
Unknown.....	631	1,904	1,254	41	76	78	142	318	51	44	105
Negro.....	162	1,337	1,109	2	3	2	1	13	10	5	3
Males 18 to 44 years, inclusive.....	24,928	92,298	56,097	2,588	2,233	5,023	2,422	2,915	3,720	3,642	3,678
Females 18 to 44 years, inclusive.....	22,900	97,108	57,173	2,188	2,622	2,792	2,888	3,758	3,400	2,926	4,234
ILLITERACY.											
Total 10 years of age and over.....	79,392	314,612	192,279	8,320	9,385	11,687	10,346	11,564	12,276	10,481	15,685
Number illiterate.....	1,923	3,844	3,046	31	1,514	900	58	113	165	456	384
Per cent illiterate.....	2.4	1.2	1.6	0.4	16.1	7.7	0.6	1.0	1.3	4.4	2.4
Per cent illiterate in 1910.....	2.7	2.4	2.1	3.3	10.8	4.6	1.4	1.5	2.5	11.0	3.2
Native white.....	49,050	223,176	138,074	7,138	8,067	6,173	8,544	9,700	10,056	5,710	12,625
Number illiterate.....	112	317	251	17	1,339	8	18	55	55	15	60
Per cent illiterate.....	0.2	0.1	0.2	0.2	16.6	0.1	0.2	0.6	0.5	0.3	0.4
Foreign-born white.....	29,807	87,083	51,086	1,157	1,299	5,472	1,790	1,814	2,167	4,743	3,047
Number illiterate.....	1,787	3,379	2,717	14	169	882	40	57	108	440	334
Per cent illiterate.....	6.0	3.9	5.3	1.2	13.0	16.1	2.2	3.1	5.0	9.3	11.0
Negro.....	433	3,499	2,990	25	13	2	3	37	43	12	10
Number illiterate.....	8	122	67	—	4	—	—	1	2	—	—
Per cent illiterate.....	1.8	3.5	2.2	—	—	—	—	—	—	—	—
Total 16 to 20 years, inclusive.....	8,721	30,325	20,092	1,089	1,351	1,099	1,176	1,143	1,585	1,173	1,716
Number illiterate.....	18	42	37	2	266	9	4	2	6	5	2
Per cent illiterate.....	0.2	0.1	0.2	0.2	19.7	0.8	0.3	0.2	0.4	0.4	0.1
Illiterate males 21 years of age and over.....	1,000	1,623	1,308	12	487	587	22	44	72	253	131
Per cent of all males 21 years of age and over.....	3.0	1.3	1.7	0.4	15.7	9.6	0.6	1.0	1.5	5.6	2.3
Native white.....	44	118	100	4	416	3	8	22	20	9	24
Foreign-born white.....	988	1,432	1,172	8	68	574	14	21	51	243	107
Negro.....	8	54	28	—	—	—	—	—	—	—	—
Illiterate females 21 years of age and over.....	887	2,149	1,677	15	475	302	30	66	77	196	250
Per cent of all females 21 years of age and over.....	3.2	1.7	2.2	0.5	13.8	9.8	0.7	1.3	1.8	6.1	4.0
Native white.....	41	151	105	10	392	3	8	30	23	3	23
Foreign-born white.....	841	1,926	1,530	5	82	299	22	36	54	193	227
Negro.....	5	66	39	—	1	—	—	—	—	—	—
DWELLINGS AND FAMILIES.											
Dwellings, number.....	17,320	65,568	42,462	2,000	1,910	2,290	2,667	2,411	3,056	2,159	4,378
Families, number.....	21,294	91,843	54,409	2,177	2,090	2,731	2,964	2,796	3,441	2,845	4,633

¹ Less than one-tenth of 1 per cent.

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.	Albert Lea.	Alexan- dria.	Anoka.	Aurora.	Bemidji.	Blue Earth.	Brain- erd.	Chis- holm.	Cloquet.	Colum- bia Heights.	Crook- ston.	Crosby.
COLOR OR RACE, NATIVITY, AND SEX.												
Total population.....	8,056	3,388	4,287	2,809	7,086	2,588	9,591	9,039	5,127	2,968	6,825	3,500
Male.....	4,059	1,627	1,927	1,579	3,739	1,237	4,915	4,888	2,860	1,479	3,445	1,885
Female.....	3,997	1,761	2,360	1,230	3,347	1,351	4,676	4,151	2,267	1,489	3,380	1,615
Native white—Native parentage.....	3,476	1,357	2,088	163	3,818	1,252	3,816	1,020	1,148	947	2,210	987
Native white—Foreign or mixed parentage.....	3,298	1,378	1,207	1,501	2,630	973	3,917	4,596	2,368	1,313	3,199	1,519
Foreign-born white.....	1,271	642	956	1,144	1,098	341	1,855	3,412	1,595	705	1,415	992
Negro.....	7	11	35	2	21	2	8	1	1	3	1	2
Indian, Chinese, and Japanese.....	4	.....	1	1	19	.....	.....	11	15	.....	.....	.....
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.												
Total under 7 years of age.....	1,120	445	387	671	1,220	311	1,525	2,123	849	712	950	788
Total 7 to 13 years, inclusive.....	930	402	414	579	1,065	314	1,274	1,632	735	450	901	524
Number attending school.....	887	375	407	571	1,000	305	1,237	1,654	598	446	912	496
Total 14 and 15 years.....	237	125	129	82	263	102	337	316	189	84	251	98
Number attending school.....	220	117	123	74	239	90	302	275	165	75	224	87
Total 16 to 20 years, inclusive.....	752	295	250	156	605	232	936	536	450	175	612	226
Number attending school.....	202	130	117	87	186	102	280	190	142	33	229	62
Males 21 years of age and over.....	2,556	1,016	1,338	825	2,157	779	2,910	2,606	1,716	791	2,040	1,056
Native white—Native parentage.....	3,321	288	522	84	844	288	830	220	240	191	451	2,035
Native white—Foreign or mixed parentage.....	1,045	401	370	74	675	318	1,071	407	500	244	853	275
Foreign-born white.....	672	321	437	716	624	172	977	1,968	968	355	736	577
Naturalized.....	466	271	213	244	407	136	692	794	505	184	507	246
Negro.....	5	6	8	.....	8	1	2	.....	1	1	.....	1
Females 21 years of age and over.....	2,461	1,105	1,749	496	1,776	830	2,609	1,776	1,192	756	2,005	808
Native white—Native parentage.....	766	329	737	39	675	294	714	204	187	177	425	187
Native white—Foreign or mixed parentage.....	1,141	462	499	94	692	371	1,119	415	469	279	966	270
Foreign-born white.....	552	311	503	363	399	165	775	1,157	531	299	614	350
Naturalized.....	373	269	185	170	286	125	600	592	351	182	424	197
Negro.....	2	3	10	.....	7	.....	1	.....	.....	1	.....	1
ILLITERACY.												
Total 10 years of age and over.....	6,531	2,749	3,746	1,845	5,382	2,130	7,478	6,085	3,952	2,035	5,429	2,442
Number illiterate.....	125	35	127	82	27	18	136	167	133	33	121	17
Native whites 10 years of age and over.....	5,253	2,101	2,762	712	4,272	1,787	5,631	2,709	2,303	1,335	4,029	1,465
Number illiterate.....	12	15	39	1	15	8	27	1	10	2	17	.....
Foreign-born whites 10 years of age and over.....	1,267	638	954	1,132	1,081	341	1,844	3,365	1,576	697	1,399	975
Number illiterate.....	110	20	85	81	11	10	109	166	121	31	104	17
Illiterate males 21 years of age and over.....	43	11	58	55	15	10	69	83	73	13	50	7
Illiterate females 21 years of age and over.....	79	24	69	26	10	8	61	84	57	20	65	10
DWELLINGS AND FAMILIES.												
Dwellings, number.....	1,651	770	843	421	1,440	632	2,047	1,505	1,031	674	1,351	744
Families, number.....	1,391	838	909	463	1,515	660	2,174	1,677	1,039	695	1,533	762
SUBJECT.	Detroit.	Ely.	Eveleth.	Fair- mont.	Fergus Falls.	Gilbert.	Grand Rapids.	Hast- ings.	Hutch- inson.	Internat- ional Falls.	Lake City.	Litch- field.
COLOR OR RACE, NATIVITY, AND SEX.												
Total population.....	3,426	4,902	7,205	4,680	7,581	3,510	2,914	4,571	3,379	3,448	2,846	2,790
Male.....	1,609	2,658	3,891	2,257	3,685	1,893	1,690	2,722	1,702	1,966	1,344	1,306
Female.....	1,757	2,244	3,314	2,373	3,896	1,617	1,354	1,849	1,677	1,482	1,502	1,484
Native white—Native parentage.....	1,568	277	813	2,460	2,213	344	1,470	2,002	1,138	1,208	1,234	1,043
Native white—Foreign or mixed parentage.....	1,311	2,795	3,722	1,680	3,249	1,856	1,045	1,547	1,544	1,304	1,073	1,202
Foreign-born white.....	547	1,827	2,662	536	2,040	1,306	888	1,012	695	839	534	545
Negro.....	2	2	.....	4	77	1	.....	10	2	.....	.....	.....
Indian, Chinese, and Japanese.....	1	.....	8	.....	2	3	2	.....	.....	28	.....	.....
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.												
Total under 7 years of age.....	509	1,085	1,366	617	776	735	417	471	368	617	312	320
Total 7 to 13 years, inclusive.....	495	947	1,261	641	794	728	433	391	368	429	347	356
Number attending school.....	444	923	1,242	618	778	726	429	384	359	425	339	352
Total 14 and 15 years.....	130	215	240	184	257	127	117	111	102	86	98	104
Number attending school.....	118	180	231	169	240	114	113	107	98	81	85	62
Total 16 to 20 years, inclusive.....	291	350	595	426	638	237	333	339	357	281	227	240
Number attending school.....	97	131	237	167	236	84	158	121	181	69	84	120
Males 21 years of age and over.....	980	1,353	2,197	1,363	2,494	943	911	2,085	1,066	1,283	879	831
Native white—Native parentage.....	336	57	138	574	470	60	304	718	243	872	289	214
Native white—Foreign or mixed parentage.....	373	234	427	512	945	143	316	603	493	381	326	347
Foreign-born white.....	271	1,060	1,575	274	1,064	732	231	756	349	521	204	270
Naturalized.....	216	530	783	239	492	311	163	202	296	198	213	242
Negro.....	.....	1	.....	3	24	.....	.....	8	1	3	.....	.....
Females 21 years of age and over.....	1,021	952	1,546	1,399	2,622	690	698	1,174	1,068	752	983	959
Native white—Native parentage.....	335	62	180	592	527	98	280	766	249	226	282	249
Native white—Foreign or mixed parentage.....	433	215	451	551	1,138	130	277	576	511	294	438	439
Foreign-born white.....	253	675	915	256	943	463	139	238	337	226	263	271
Naturalized.....	201	428	594	229	427	243	112	185	303	139	226	235
Negro.....	.....	.....	.....	18	1	.....	.....	1	1	1	.....	.....
ILLITERACY.												
Total 10 years of age and over.....	2,695	3,356	5,268	3,742	6,472	2,369	2,310	3,943	2,860	2,638	2,371	2,331
Number illiterate.....	28	100	427	23	86	87	6	76	1	175	42	11
Native whites 10 years of age and over.....	2,155	1,546	2,628	3,203	4,377	1,080	1,922	2,924	2,155	1,815	1,338	1,787
Number illiterate.....	4	10	9	19	5	2	.....	25	1	1	9	1
Foreign-born whites 10 years of age and over.....	540	1,807	2,632	535	2,036	1,285	386	1,009	693	803	533	544
Number illiterate.....	24	90	417	4	80	85	5	50	1	183	33	10
Illiterate males 21 years of age and over.....	12	48	251	11	35	50	2	45	1	126	21	2
Illiterate females 21 years of age and over.....	16	47	172	9	49	35	4	29	.....	48	20	9
DWELLINGS AND FAMILIES.												
Dwellings, number.....	728	837	1,029	982	1,260	598	547	838	769	536	780	738
Families, number.....	782	893	1,360	1,079	1,408	674	584	897	816	654	807	764

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

SUBJECT.	Little Falls.	Lu-verne.	Mar-shall.	Mel-rose.	Monte-video.	Moor-head.	New Ulm.	North-field.	Owa-tonna.	Pipe-stone.	Red Wing.	St. James.
COLOR OR RACE, NATIVITY, AND SEX.												
Total population.....	5,500	2,782	3,092	2,529	4,419	5,720	6,745	4,023	7,252	3,325	8,637	2,673
Male.....	2,616	1,389	1,564	1,314	2,303	2,823	3,279	1,854	3,498	1,683	4,271	1,345
Female.....	2,884	1,393	1,528	1,215	2,116	2,897	3,466	2,169	3,754	1,642	4,366	1,328
Native white—Native parentage.....	1,985	1,308	1,575	1,173	1,951	1,875	1,859	1,854	3,109	1,834	3,111	1,153
Native white—Foreign or mixed parentage.....	2,480	980	1,114	1,072	1,819	2,625	3,413	1,541	2,980	1,075	3,847	1,071
Foreign-born white.....	1,035	483	401	284	646	1,203	1,473	613	1,147	397	1,653	449
Negro.....		1	2		3	17		14	11		23	
Indian, Chinese, and Japanese.....								1	5	19	3	
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.												
Total under 7 years of age.....	871	295	465	455	642	852	874	436	907	461	849	340
Total 7 to 13 years, inclusive.....	877	352	393	394	616	737	906	473	1,040	468	1,092	371
Number attending school.....	863	325	387	379	602	703	845	463	987	442	1,052	303
Total 14 and 15 years.....	232	102	122	98	142	205	262	142	259	109	368	114
Number attending school.....	213	88	118	87	133	188	203	134	241	102	340	107
Total 16 to 20 years, inclusive.....	524	275	258	227	404	558	670	408	677	278	933	278
Number attending school.....	186	102	91	88	185	199	206	240	261	125	334	101
Males 21 years of age and over.....	1,449	900	949	733	1,380	1,708	1,962	1,152	2,065	1,020	2,602	803
Native white—Native parentage.....	369	359	385	245	455	417	221	406	631	473	576	207
Native white—Foreign or mixed parentage.....	570	290	362	381	570	678	981	441	856	345	1,140	300
Foreign-born white.....	510	259	200	157	353	606	760	301	575	208	874	230
Naturalized.....	420	87	162	125	251	448	613	230	490	168	704	176
Negro.....		1	2		2	7		4	3		9	
Females 21 years of age and over.....	1,547	849	905	622	1,295	1,600	2,071	1,412	2,304	980	2,793	761
Native white—Native parentage.....	346	303	344	163	357	318	249	524	706	446	669	189
Native white—Foreign or mixed parentage.....	700	338	383	339	605	784	1,132	596	1,066	351	1,400	305
Foreign-born white.....	501	208	178	120	273	553	690	287	532	178	722	207
Naturalized.....	425	77	142	97	204	429	566	216	454	153	610	158
Negro.....						5		4			2	
ILLITERACY.												
Total 10 years of age and over.....	4,257	2,346	2,455	1,905	3,513	4,535	5,492	3,402	5,885	2,664	7,340	2,176
Number illiterate.....	87	23	31	24	61	7	103	71	55	13	206	9
Native whites 10 years of age and over.....	3,227	1,864	2,058	1,624	2,867	3,327	4,022	2,781	4,738	2,255	5,666	1,727
Number illiterate.....	14	10	13	8	10		19	6	11	12	12	5
Foreign-born whites 10 years of age and over.....	1,030	481	395	281	644	1,196	1,470	611	1,137	395	1,648	448
Number illiterate.....	73	13	18	16	51	7	84	64	44	1	191	3
Illiterate males 21 years of age and over.....	34	8	20	12	34	1	27	22	21	3	91	3
Illiterate females 21 years of age and over.....	53	12	10	11	22	6	70	48	32	8	112	5
DWELLINGS AND FAMILIES.												
Dwellings, number.....	1,157	655	620	489	889	1,152	1,487	924	1,557	695	1,048	566
Families, number.....	1,221	706	710	500	1,028	1,292	1,653	1,019	1,650	756	2,112	616

SUBJECT.	St. Peter.	Sauk Center.	South St. Paul.	Staples.	Still-water.	Thief River Falls.	Two Harbors.	Waseca.	West Minneapolis.	West St. Paul.	Willmar.	Worthington.
COLOR OR RACE, NATIVITY, AND SEX.												
Total population.....	4,335	2,699	6,860	2,570	7,735	4,685	4,546	3,908	3,055	2,962	5,892	3,481
Male.....	2,182	1,133	3,771	1,251	3,786	2,377	2,468	1,954	1,652	1,502	3,031	1,773
Female.....	2,153	1,566	3,089	1,319	3,949	2,308	2,078	1,954	1,403	1,460	2,861	1,708
Native white—Native parentage.....	1,811	1,338	1,714	1,505	2,384	1,426	895	1,761	826	778	1,780	1,886
Native white—Foreign or mixed parentage.....	1,881	982	2,805	842	3,683	2,363	2,149	1,650	1,393	1,513	2,800	1,117
Foreign-born white.....	1,126	378	2,338	223	1,664	895	1,494	495	830	673	1,290	477
Negro.....	17	1	3		4	1	5	1	2		1	
Indian, Chinese, and Japanese.....							3	1	4		3	1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.												
Total under 7 years of age.....	288	304	1,182	396	808	802	662	489	462	507	850	457
Total 7 to 13 years, inclusive.....	356	311	917	376	903	699	706	493	399	460	715	468
Number attending school.....	346	302	890	363	857	681	693	482	391	453	698	216
Total 14 and 15 years.....	111	131	181	102	231	178	173	137	109	121	210	133
Number attending school.....	104	118	172	92	212	163	162	127	96	94	192	53
Total 16 to 20 years, inclusive.....	286	455	587	264	658	454	431	320	250	299	535	340
Number attending school.....	154	283	85	124	242	193	161	144	63	80	188	52
Males 21 years of age and over.....	1,688	700	2,338	719	2,514	1,324	1,414	1,272	1,037	795	1,887	1,071
Native white—Native parentage.....	379	252	400	338	547	251	192	388	188	110	346	491
Native white—Foreign or mixed parentage.....	689	255	590	252	1,132	589	401	635	379	357	856	340
Foreign-born white.....	605	193	1,345	129	835	483	316	248	468	328	682	239
Naturalized.....	273	158	472	98	724	373	602	140	289	248	550	155
Negro.....	15		3			1	2		1			
Females 21 years of age and over.....	1,606	798	1,645	713	2,621	1,228	1,160	1,197	798	780	1,695	1,012
Native white—Native parentage.....	350	328	317	347	498	205	201	355	156	118	243	410
Native white—Foreign or mixed parentage.....	740	311	600	280	1,324	647	354	599	343	350	885	391
Foreign-born white.....	514	159	728	86	796	376	603	242	298	312	567	211
Naturalized.....	247	138	349	75	684	306	470	150	206	234	493	125
Negro.....	2				3		2	1	1			
ILLITERACY.												
Total 10 years of age and over.....	3,898	2,264	5,275	2,014	6,546	3,563	3,575	3,212	2,424	2,243	4,718	2,831
Number illiterate.....	174	13	223	12	22	44	48	6	8	39	38	5
Native whites 10 years of age and over.....	2,755	1,885	2,980	1,792	4,881	2,673	2,080	2,715	1,595	1,576	3,420	2,853
Number illiterate.....	46	8		3	7	6	3	1			3	
Foreign-born whites 10 years of age and over.....	1,126	378	2,292	222	1,661	889	1,488	495	826	667	1,294	477
Number illiterate.....	124	5	222	0	15	38	45	5	8	39	33	5
Illiterate males 21 years of age and over.....	87	6	144	9	9	16	16	3	2	12	11	2
Illiterate females 21 years of age and over.....	87	6	74	3	12	27	29	3	6	27	27	3
DWELLINGS AND FAMILIES.												
Dwellings, number.....	742	557	1,267	539	1,755	905	898	916	561	610	1,075	742
Families, number.....	782	608	1,494	596	1,928	1,002	1,006	975	671	642	1,339	808

COMPOSITION AND CHARACTERISTICS.

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

COUNTY OR CITY.	Total foreign-born white.	COUNTRY OF BIRTH.																					
		Austria.	Canada—French.	Canada—Other.	Czecho-slovakia.	Denmark.	England.	Finland.	Germany.	Greece.	Hungary.	Ireland.	Italy.	Jugo-Slavia.	Netherlands.	Norway.	Poland.	Rumania.	Russia.	Scotland.	Sweden.	Switzerland.	All other countries.
COUNTIES.																							
The state.....	488,164	11,550	6,796	26,936	12,626	16,904	10,958	29,108	74,634	2,391	4,277	10,289	7,432	10,697	5,380	90,188	18,537	2,385	16,100	3,928	112,117	2,720	10,211
Aitkin.....	3,329	25	60	213	30	54	35	885	244	2	8	16	17	4	38	438	13	2	59	14	1,119	24	28
Anoka.....	3,182	101	111	245	34	128	117	32	357	8	33	87	12	26	13	502	104	4	29	10	1,169	28	25
Becker.....	3,947	35	27	200	67	74	57	526	600	5	5	27	.....	1	7	1,335	55	.....	51	10	1,788	25	52
Beltrami.....	5,324	104	108	603	132	153	101	96	415	6	6	58	1	5	14	1,840	73	24	57	29	1,421	10	62
Benton.....	2,336	42	24	95	50	23	23	13	862	10	13	29	3	20	27	155	373	.....	16	23	478	19	34
Big Stone.....	1,559	7	2	82	5	55	33	3	363	2	.....	107	2	5	15	363	22	.....	2	8	446	25	12
Blue Earth.....	4,181	172	3	167	41	217	97	2	1,642	25	8	101	3	8	29	516	135	3	42	34	491	50	395
Brown.....	3,914	223	.....	52	730	285	19	2	1,633	3	6	26	2	6	22	461	152	2	13	11	143	42	81
Carlton.....	5,769	28	277	319	89	74	42	2,140	210	14	6	39	28	11	2	672	225	4	25	7	1,507	17	83
Carver.....	2,243	16	.....	26	34	25	5	1	1,298	.....	20	18	.....	3	67	29	66	.....	28	2	478	23	105
Cass.....	2,063	72	59	162	45	84	50	94	256	2	22	29	4	1	11	500	39	6	58	23	502	18	26
Chippewa.....	2,687	10	2	60	8	79	25	.....	666	19	.....	14	2	.....	75	1,237	17	1	7	13	418	12	22
Chicago.....	3,806	18	18	52	6	63	16	2	216	.....	13	19	.....	1	3	92	8	.....	11	2	3,236	11	19
Clay.....	4,148	16	14	236	24	108	77	6	445	18	2	42	75	3	3	2,045	47	4	36	34	863	16	34
Clearwater.....	1,869	10	5	57	34	35	8	3	54	.....	2	6	.....	.....	2	1,140	2	.....	1	2	492	4	12
Cook.....	580	2	16	44	.....	7	6	55	11	.....	.....	1	.....	1	.....	255	2	.....	2	2	169	2	5
Cottonwood.....	2,480	31	3	58	17	223	21	.....	766	4	3	22	3	1	48	603	64	5	400	10	102	4	26
Crow Wing.....	4,990	184	108	387	31	172	141	530	471	39	14	79	73	332	31	729	66	4	222	34	1,273	26	44
Dakota.....	5,760	505	43	198	110	231	124	30	1,473	35	442	211	33	132	41	401	340	67	225	41	765	62	261
Dodge.....	1,486	18	2	47	18	147	45	1	349	.....	4	25	1	.....	23	526	17	.....	13	23	68	110	34
Douglas.....	3,922	92	3	85	174	155	20	116	599	3	2	21	.....	3	18	743	56	.....	33	13	1,718	11	57
Faribault.....	2,538	24	11	85	8	136	60	.....	856	6	4	60	4	10	4	808	204	2	16	25	148	9	58
Fillmore.....	2,901	10	2	127	34	36	70	.....	502	2	1	100	6	3	82	1,774	3	.....	15	40	54	9	31
Freeborn.....	3,986	60	5	43	132	1,375	41	.....	392	15	2	63	3	3	5	1,455	38	.....	30	8	241	9	60
Goodhue.....	5,865	28	3	86	15	80	54	4	1,107	15	4	90	9	6	1	1,709	36	3	51	21	1,917	47	80
Grant.....	1,702	2	1	23	2	33	14	2	205	1	1	16	3	.....	11	869	5	.....	31	8	462	6	7
Hennepin.....	94,132	2,519	1,162	6,778	2,199	3,023	3,180	1,169	7,665	877	619	2,180	793	170	409	10,956	4,924	1,490	6,295	1,201	28,259	417	1,897
Houston.....	1,750	5	2	51	12	13	14	1	537	.....	.....	74	.....	.....	9	797	1	.....	1	4	132	27	70
Hubbard.....	1,451	29	18	113	25	65	44	22	236	2	7	14	1	2	7	424	14	.....	16	6	371	4	31
Isanti.....	3,643	4	3	19	.....	24	11	5	241	1	2	1	.....	.....	6	102	18	.....	4	2	3,184	9	7
Itasca.....	6,406	389	165	400	140	68	121	1,607	197	31	39	73	481	588	7	618	71	7	45	28	1,083	11	177
Jackson.....	2,570	116	2	26	314	176	44	.....	398	8	36	13	.....	3	12	620	62	.....	6	21	172	16	25
Kanabec.....	2,040	9	1	65	9	48	16	3	187	2	.....	7	3	.....	101	193	18	.....	14	.....	1,351	2	11
Kandiyohi.....	4,772	43	5	113	15	237	28	22	259	12	2	16	3	1	262	1,752	11	3	14	12	1,943	3	16
Kittson.....	3,093	74	20	430	16	50	44	1	77	.....	.....	22	2	.....	12	558	86	.....	24	28	1,625	9	15
Koochiching.....	4,146	125	144	476	28	63	67	394	235	14	23	60	40	79	10	941	138	27	105	20	1,091	11	55
Lac qui Parle.....	2,801	5	3	34	1	80	24	.....	611	3	4	4	.....	2	5	1,607	15	.....	13	2	357	13	18
Lake.....	3,154	14	61	212	15	28	43	761	59	4	.....	18	11	54	4	618	18	.....	14	9	1,188	4	19
Le Sueur.....	2,348	114	3	76	716	18	52	1	768	.....	18	104	1	.....	4	40	120	.....	23	11	190	31	49
Lincoln.....	2,212	4	2	20	23	865	20	.....	432	.....	.....	19	.....	.....	28	395	133	.....	9	4	171	6	81
Lyon.....	3,189	9	42	119	6	363	95	2	487	.....	.....	55	3	5	184	664	33	2	13	12	444	7	644
McLeod.....	3,433	61	18	46	678	404	16	1	1,440	.....	58	28	.....	3	26	78	269	10	173	2	69	18	35
Mahnomen.....	623	17	23	40	114	17	1	3	131	.....	2	9	.....	1	49	151	3	.....	4	6	50	.....	2
Marshall.....	4,806	16	162	149	65	85	24	74	223	2	11	29	2	1	2	1,909	194	1	17	54	1,734	2	50
Martin.....	2,713	13	3	95	6	195	97	.....	1,136	8	10	44	.....	6	26	174	101	1	23	15	665	19	76
Meeker.....	3,404	15	3	109	4	176	40	233	443	.....	20	49	.....	1	13	383	2	.....	10	3	1,896	3	31
Mille Lacs.....	2,949	17	28	117	43	90	26	33	374	1	3	24	3	.....	249	372	11	.....	5	9	1,517	5	22
Morrison.....	4,903	175	202	137	103	120	23	41	1,319	2	41	38	4	17	12	242	778	1	41	9	1,547	12	39
Mower.....	3,152	43	7	108	168	266	92	.....	803	48	4	107	6	1	47	1,042	19	3	63	25	171	35	94
Murray.....	2,222	61	14	46	25	103	46	3	404	.....	8	94	.....	.....	270	486	16	.....	59	19	426	7	75
Nicollet.....	2,562	88	10	51	35	68	45	16	689	6	12	66	11	6	11	331	51	3	31	12	925	15	80
Nobles.....	2,652	44	1	59	21	85	40	1	903	9	8	59	8	2	543	203	17	.....	22	24	465	9	129
Norman.....	2,980	11	.....	56	18	47	13	6	265	.....	28	28	.....	.....	36	2,238	4	2	2	3	230	14	7
Olmsted.....	3,061	61	3	206	31	245	157	14	963	15	18	227	4	7	23	525	106	3	70	41	236	48	58
Otter Tail.....	10,418	124	12	257	33	326	94	1,145	1,961	7	11	43	26	5	102	3,704	239	3	97	42	2,074	27	81
Pennington.....	2,544	19	25	89	67	73	21	14	122	3	9	6	.....									

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.																					
		Austria.	Canada—French.	Canada—Other.	Czecho-slovakia.	Denmark.	England.	Finland.	Germany.	Greece.	Hungary.	Ireland.	Italy.	Jugo-Slavia.	Netherlands.	Norway.	Poland.	Rumania.	Russia.	Scotland.	Sweden.	Switzerland.	All other countries.
COUNTIES—con.																							
Swift.....	2,463	14	25	81	8	78	35	.....	398	1	8	114	.....	.....	4	1,043	44	.....	26	12	540	21	11
Todd.....	3,823	57	25	155	182	97	74	20	1,084	14	37	37	2	8	18	639	349	1	27	9	912	36	40
Traverse.....	1,212	15	.....	70	1	26	15	.....	390	.....	3	39	.....	1	20	101	13	.....	7	16	459	19	17
Wabasha.....	2,272	61	4	96	4	17	43	1	1,296	2	10	98	.....	5	3	90	54	1	26	22	280	63	96
Wadena.....	1,779	43	5	84	16	74	38	625	331	3	4	13	.....	.....	5	218	3	3	11	10	255	9	29
Waseca.....	1,699	30	2	37	19	36	38	.....	916	4	.....	92	5	1	3	267	47	1	13	6	157	8	17
Washington.....	4,697	41	151	444	22	194	91	44	1,164	8	55	99	66	40	12	302	152	4	40	32	1,580	76	80
Watsonwan.....	2,092	25	1	40	11	74	50	.....	368	1	2	27	.....	1	4	710	98	.....	76	4	506	10	24
Wilkin.....	1,371	50	20	78	59	46	24	2	366	15	16	9	3	6	14	419	16	.....	20	9	164	15	20
Winona.....	4,703	100	7	144	109	87	144	3	2,222	9	45	151	2	1	18	278	973	2	33	29	81	52	208
Wright.....	4,896	39	127	227	91	36	55	428	1,125	3	42	78	1	4	140	222	280	.....	31	12	1,888	26	67
Yellow Medicine.....	2,808	16	2	37	36	101	27	.....	542	.....	2	4	2	1	19	1,482	86	.....	9	4	383	8	47
CITIES.																							
Austin.....	1,162	31	6	50	118	133	36	.....	205	44	1	69	4	.....	11	259	16	3	47	9	82	11	27
Duluth.....	30,118	473	1,093	3,615	131	417	878	3,210	1,315	230	74	541	836	791	54	4,323	1,444	65	1,559	510	7,455	58	549
Faribault.....	1,303	19	63	137	24	33	35	6	455	13	4	53	2	.....	49	170	62	6	38	7	58	16	53
Hibbing village.....	5,525	102	90	357	48	40	108	1,382	89	203	33	67	804	895	2	259	104	11	80	18	592	8	173
Mankato.....	1,797	133	3	83	17	73	50	.....	651	24	6	44	.....	6	6	165	24	1	23	9	300	22	157
Minneapolis.....	88,032	2,222	1,016	6,445	1,828	2,531	2,963	1,120	6,439	873	571	2,066	766	163	407	10,389	4,789	1,484	6,222	1,141	26,515	336	1,746
Rochester.....	1,837	52	3	150	17	145	76	13	485	15	14	115	4	7	9	304	84	3	65	22	200	21	33
St. Cloud.....	2,190	64	6	142	20	26	37	18	824	11	27	48	19	10	33	110	134	9	34	40	475	25	78
St. Paul.....	51,695	2,429	587	3,303	1,797	1,364	1,934	97	8,724	354	1,792	3,053	1,685	334	256	3,818	2,555	559	4,228	712	9,812	522	1,580
Virginia.....	4,818	79	59	278	82	39	129	1,585	105	55	19	41	286	395	2	480	343	1	142	20	604	5	69
Winona.....	3,053	66	5	92	88	60	85	1	1,267	9	21	82	2	.....	5	149	935	2	14	10	50	38	72

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

SUBJECT.	THE CITY.	MINNEAPOLIS.												
		WARD.												
		1	2	3	4	5	6	7	8	9	10	11	12	13
COLOR OR RACE, NATIVITY, AND SEX.														
Total population.....	380,582	17,873	19,959	40,678	38,448	31,850	11,610	28,575	48,712	29,947	25,945	19,598	31,570	35,817
Male.....	189,215	9,581	10,018	20,433	19,562	15,393	6,606	13,954	22,205	15,439	13,130	9,832	16,129	19,933
Female.....	101,367	8,292	9,941	20,245	18,886	16,457	5,004	14,621	26,507	14,508	12,815	9,766	15,441	15,884
Native white.....	288,333	12,078	16,436	28,658	29,759	24,748	6,179	21,408	41,184	21,638	19,665	12,554	23,352	30,674
Male.....	138,450	6,177	8,032	14,028	14,479	11,155	3,118	10,198	18,606	10,864	9,773	6,041	11,640	14,339
Female.....	149,883	5,901	8,404	14,630	15,280	13,593	3,061	11,210	22,578	10,774	9,892	6,513	11,712	16,335
Native white—Native parentage.....	133,178	3,195	8,018	11,341	15,328	12,538	1,684	8,383	24,601	7,663	8,269	3,668	9,889	18,201
Native white—Foreign parentage.....	108,824	7,108	4,871	12,745	10,304	8,291	3,628	9,198	10,204	10,283	7,959	6,980	9,836	7,417
Native white—Mixed parentage.....	46,331	1,775	2,647	4,572	4,127	3,919	887	3,827	6,379	3,092	3,437	1,906	4,127	6,056
Foreign-born white.....	88,032	5,784	3,492	11,025	8,190	6,729	4,772	6,797	7,106	8,239	6,189	6,912	7,953	4,844
Male.....	48,402	3,398	1,967	5,859	4,752	3,989	3,091	3,573	3,381	4,541	3,318	3,725	4,360	2,442
Female.....	39,630	2,386	1,525	5,166	3,438	2,740	1,681	3,224	3,725	3,698	2,871	3,187	3,587	2,402
Negro.....	3,927	2	23	988	401	288	646	359	406	68	83	132	251	280
Male.....	2,133	1	13	541	243	179	386	177	206	32	34	66	118	137
Female.....	1,794	1	10	447	158	109	260	182	200	36	49	66	133	143
Indian, Chinese, Japanese, and all other.....	200	9	8	7	98	85	13	11	16	2	8	.....	14	19
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.														
Total under 7 years of age.....	48,805	3,220	2,245	5,717	3,029	1,928	1,476	4,019	4,878	4,845	4,288	2,646	5,542	4,972
Total 7 to 13 years, inclusive.....	40,030	2,389	1,904	5,049	2,694	1,542	1,177	3,345	4,177	3,917	3,373	2,118	4,189	4,156
Number attending school.....	37,631	2,067	1,757	4,605	2,554	1,379	1,121	2,941	3,918	3,738	3,301	2,054	4,074	4,032
Total 14 and 15 years.....	9,904	570	552	1,263	703	473	253	822	1,224	908	808	574	850	965
Number attending school.....	9,050	507	522	1,129	651	397	226	703	1,151	810	753	509	766	926
Total 16 and 17 years.....	10,937	571	632	1,335	884	656	272	872	1,399	988	849	610	897	972
Number attending school.....	5,572	196	381	1,028	437	276	95	439	981	408	377	283	365	706
Total 18 to 20 years, inclusive.....	19,388	805	1,240	2,160	2,239	1,940	523	1,349	2,450	1,483	1,205	1,056	1,303	1,534
Number attending school.....	3,906	78	408	328	494	315	60	242	810	190	188	179	167	537
Males 21 years of age and over.....	126,242	5,834	6,746	12,742	15,138	12,547	4,780	8,812	15,525	9,311	7,842	6,448	9,829	10,682
Native white—Native parentage.....	37,167	803	2,570	2,748	5,038	4,435	434	1,885	7,210	1,821	1,862	800	2,285	4,601
Native white—Foreign or mixed parentage.....	41,294	1,778	2,272	4,275	4,662	4,048	1,063	3,377	4,875	3,154	2,809	2,032	3,316	3,633
Foreign-born white.....	45,854	3,247	1,879	5,285	4,540	3,861	2,940	3,417	3,262	4,312	3,145	3,498	4,143	2,325
Naturalized.....	28,261	1,632	1,264	3,347	2,371	2,074	1,269	2,495	2,404	2,016	2,128	2,249	2,608	1,804
Negro.....	1,734	1	13	429	219	143	338	131	169	22	24	49	80	116
Females 21 years of age and over.....	125,186	4,484	6,634	12,366	13,761	12,704	3,123	9,356	10,050	8,495	7,520	6,146	8,951	12,530
Native white—Native parentage.....	36,516	665	2,541	2,492	5,015	4,571	327	1,880	8,271	1,458	1,689	710	1,826	5,165
Native white—Foreign or mixed parentage.....	50,422	1,689	2,643	4,982	5,462	5,529	1,029	4,248	7,090	3,553	3,126	2,406	3,683	4,992
Foreign-born white.....	36,831	2,227	1,442	4,554	3,151	2,573	1,559	3,094	3,542	3,459	2,674	2,082	3,351	2,273
Naturalized.....	23,972	1,179	1,022	3,045	1,092	1,570	770	2,202	2,401	2,230	1,916	1,941	2,237	1,767
Negro.....	1,337	1	6	336	137	85	206	127	146	25	31	48	85	104
Males 18 to 44 years, inclusive.....	92,298	4,306	4,913	9,301	11,328	9,525	3,445	6,434	10,546	6,955	5,915	4,718	7,455	7,452
Females 18 to 44 years, inclusive.....	97,108	3,590	4,928	9,561	11,411	10,765	2,366	7,100	13,798	6,565	5,902	4,655	7,144	9,363
ILLITERACY.														
Total 10 years of age and over.....	314,012	13,497	16,868	32,774	34,306	29,295	9,578	23,015	42,054	23,355	20,162	16,058	24,077	28,975
Number illiterate.....	3,844	730	1,102	700	417	126	277	92	88	410	402	215	172	53
Native white.....	223,176	7,767	13,374	21,079	25,738	22,276	4,233	15,963	24,624	15,133	13,965	9,106	15,986	23,932
Number illiterate.....	317	45	12	30	26	22	10	27	22	44	19	5	43	12
Foreign-born white.....	87,083	5,721	3,461	10,819	8,097	6,687	4,731	6,745	7,054	8,164	6,121	6,838	7,871	4,774
Number illiterate.....	3,379	683	87	695	382	91	249	61	60	362	374	173	122	40
Negro.....	3,499	2	23	869	379	255	601	304	362	56	71	114	209	254
Number illiterate.....	122	1	.....	34	3	8	16	4	2	3	8	37	5	1
Total 16 to 20 years, inclusive.....	30,325	1,376	1,878	3,521	3,123	2,596	795	2,221	3,858	2,471	2,114	1,660	2,200	2,506
Number illiterate.....	42	3	5	11	3	1	1	6	1	.....	7	2	2	1
Illiterate males 21 years of age and over.....	1,623	349	45	294	174	59	142	30	26	190	151	82	60	15
Native white.....	118	21	3	12	9	8	6	9	5	18	5	.....	19	3
Foreign-born white.....	1,432	326	40	265	159	43	127	20	16	170	142	66	46	12
Negro.....	54	1	.....	16	2	4	7	1	2	1	3	16	1	.....
Illiterate females 21 years of age and over.....	2,149	379	53	458	232	64	133	53	58	215	242	130	97	26
Native white.....	151	22	6	13	14	13	3	10	13	21	11	4	15	6
Foreign-born white.....	1,026	357	46	427	216	46	121	40	44	192	227	106	76	28
Negro.....	66	.....	.....	18	1	4	9	3	.....	2	4	20	4	1
DWELLINGS AND FAMILIES.														
Dwellings, number.....	65,568	2,593	3,464	7,118	3,929	3,183	1,799	5,765	8,555	5,350	5,509	3,143	6,071	8,189
Families, number.....	91,843	3,727	4,686	9,562	9,061	8,159	2,708	7,098	12,488	7,012	6,135	4,738	7,560	9,939
COUNTRY OF BIRTH OF FOREIGN-BORN WHITE.														
Austria.....	2,222	422	84	539	167	110	120	33	88	194	184	83	161	37
Canada—French.....	1,016	235	41	160	41	80	2	17	61	254	81	5	54	20
Canada—Other.....	6,445	202	461	624	821	680	77	354	1,168	378	335	152	324	890
Czechoslovakia.....	1,828	472	192	58	39	35	555	15	30	188	34	39	144	21
Denmark.....	2,531	60	120	117	233	266	112	232	279	146	103	222	451	190
England.....	2,963	51	167	279	452	316	36	183	513	159	91	53	263	400
Finland.....	1,120	16	9	62	731	49	23	16	20	23	55	33	65	18
France.....	353	16	16	29	54	60	11	21	58	14	21	5	20	28
Germany.....	6,439	550	243	1,335	562	435	126	307	507	533	793	200	461	387
Greece.....	873	53	25	19	243	222	15	56	86	12	8	60	48	26
Hungary.....	571	46	11	155	41	28	45	6	16	37	78	50	52	6
Ireland.....	2,066	192	94	220	295	202	54	174	218	136	71	85	125	200
Italy.....	766	31	72	101	93	34	49	8	21	292	7	15	27	16
Netherlands.....	407	12	15	51	50	44	3	31	44	35	37	6	32	47
Norway.....	16,389	252	603	984	1,027	1,812	1,806	1,872	1,217	1,430	1,342	2,150	2,082	812
Poland.....	4,789	2,305	99	463	210	71	154	18	61	1,072	234	28	53	21
Rumania.....	1,484	4	1	377	167	103	144	23	74	4	7	545	20	15
Russia.....	6,222													

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

SUBJECT.	ST. PAUL.												
	THE CITY.	WARD.											
		1	2	3	4	5	6	7	8	9	10	11	12
COLOR OR RACE, NATIVITY, AND SEX.													
Total population.....	234,698	23,851	21,805	3,688	9,215	22,740	22,390	29,806	27,462	16,335	18,116	24,290	14,910
Male.....	117,368	12,100	10,924	2,408	5,609	11,495	11,408	13,016	13,689	8,403	9,075	11,841	7,310
Female.....	117,330	11,751	10,971	1,190	3,606	11,245	10,982	16,790	13,773	7,932	9,041	12,449	7,600
Native white.....	179,576	16,487	17,640	2,230	7,098	17,344	16,388	24,959	19,197	11,706	14,797	20,677	11,044
Male.....	87,424	8,103	8,658	1,370	4,108	8,568	8,180	10,804	9,388	5,845	7,211	9,880	5,311
Female.....	92,152	8,384	8,982	869	2,990	8,778	8,208	14,155	9,809	5,861	7,586	10,797	5,733
Native white—Native parentage.....	77,378	4,491	7,497	1,006	3,647	6,709	6,376	13,317	6,889	4,426	7,484	10,309	4,227
Native white—Foreign parentage.....	70,190	9,271	6,712	955	2,405	7,333	6,904	7,286	8,937	5,275	4,701	5,565	4,780
Native white—Mixed parentage.....	32,008	2,725	3,431	278	1,046	3,302	3,048	4,356	3,371	2,005	2,612	3,803	2,031
Foreign-born white.....	51,595	7,266	4,239	1,384	1,923	5,277	5,920	4,601	6,672	4,284	3,216	3,576	3,237
Male.....	28,003	3,942	2,258	1,080	1,359	2,857	3,176	2,082	3,449	2,381	1,817	1,937	1,605
Female.....	23,592	3,324	1,981	304	564	2,420	2,744	2,519	3,223	1,903	1,399	1,639	1,632
Negro.....	3,376	34	16	54	126	116	65	243	1,592	327	99	26	628
Male.....	1,829	47	8	41	83	69	44	127	851	168	44	13	334
Female.....	1,547	37	8	13	43	47	21	116	741	159	55	13	294
Indian, Chinese, Japanese, and all other.....	151	14	.....	11	68	3	17	3	1	18	4	11	1
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.													
Total under 7 years of age.....	30,557	3,578	3,209	303	303	3,211	3,299	2,565	3,875	2,092	2,589	3,280	2,103
Total 7 to 13 years, inclusive.....	26,459	3,068	2,698	227	366	3,077	2,673	2,573	3,376	1,830	1,998	2,568	1,896
Number attending school.....	25,148	2,578	2,593	219	338	2,709	2,002	2,492	3,305	1,778	1,863	2,450	1,856
Total 14 and 15 years.....	6,080	738	680	61	110	672	782	731	857	475	475	602	491
Number attending school.....	5,862	566	596	52	94	572	694	687	743	413	442	502	441
Total 16 and 17 years.....	7,479	833	770	70	174	710	880	869	941	561	514	631	526
Number attending school.....	3,002	237	262	20	63	171	336	614	284	163	272	380	194
Total 18 to 20 years, inclusive.....	12,613	1,394	1,175	160	483	1,242	1,267	1,604	1,529	900	911	1,080	818
Number attending school.....	1,980	138	108	6	57	89	143	496	140	94	297	321	91
Males 21 years of age and over.....	75,991	7,356	6,684	2,070	4,865	7,176	6,754	9,072	8,419	5,425	5,809	7,795	4,470
Native white—Native parentage.....	19,484	800	1,319	438	1,780	1,553	1,370	3,537	1,474	1,119	1,807	3,018	823
Native white—Foreign or mixed parentage.....	28,504	2,766	2,880	504	1,621	2,846	2,514	3,396	3,032	2,006	2,240	2,881	1,812
Foreign-born white.....	26,453	3,762	2,181	1,045	1,329	2,712	2,816	2,007	3,238	2,160	1,752	1,877	1,578
Naturalized.....	17,043	2,462	1,593	446	666	1,744	1,018	1,548	2,097	1,215	1,229	1,362	1,063
Negro.....	1,455	35	4	34	79	62	42	99	675	128	31	9	267
Females 21 years of age and over.....	74,919	6,954	6,673	791	2,824	6,886	6,331	12,392	8,465	4,992	5,730	8,334	4,547
Native white—Native parentage.....	18,451	702	1,440	193	1,019	1,265	1,187	4,545	1,370	1,044	1,811	3,079	796
Native white—Foreign or mixed parentage.....	33,477	3,106	3,342	316	1,229	3,307	2,750	3,666	3,666	2,555	3,705	2,901	2,091
Foreign-born white.....	21,861	3,122	1,887	267	530	2,272	2,370	2,390	2,996	1,700	1,336	1,541	1,450
Naturalized.....	15,172	2,123	1,479	160	282	1,589	1,540	1,679	2,059	1,059	1,058	1,152	1,002
Negro.....	1,109	23	4	13	41	42	17	81	534	109	27	9	209
Males 18 to 44 years, inclusive.....	50,097	5,522	4,938	1,457	3,652	5,358	5,122	6,042	6,342	4,196	4,445	5,621	3,402
Females 18 to 44 years, inclusive.....	57,173	5,345	5,050	626	2,305	5,337	4,897	8,799	6,527	3,970	4,463	6,305	3,549
ILLITERACY.													
Total 10 years of age and over.....	192,279	18,699	17,470	3,282	8,663	18,247	17,744	26,187	22,057	13,435	14,596	19,825	11,894
Number illiterate.....	3,046	395	184	173	49	378	383	83	383	422	77	55	240
Native white.....	138,074	11,610	13,252	1,849	6,506	12,804	11,858	21,380	14,053	8,019	11,322	16,240	8,126
Number illiterate.....	251	21	17	17	5	47	45	8	23	22	19	13	14
Foreign-born white.....	51,088	7,209	4,206	1,373	1,909	5,230	5,809	4,571	6,000	4,219	3,194	3,652	3,208
Number illiterate.....	2,717	369	117	151	39	328	609	70	331	385	57	30	222
Negro.....	2,900	73	12	53	123	114	62	213	1,398	285	70	22	559
Number illiterate.....	67	4	.....	4	3	3	2	2	29	13	1	2	4
Total 16 to 20 years, inclusive.....	20,092	2,217	1,945	230	657	1,952	2,147	2,473	2,470	1,521	1,425	1,711	1,344
Number illiterate.....	37	9	1	1	1	5	7	2	1	4	1	2	3
Illiterate males 21 years of age and over.....	1,308	196	65	120	33	135	285	22	119	169	29	22	113
Native white.....	100	5	7	9	2	17	24	.....	11	8	4	4	9
Foreign-born white.....	1,172	187	58	106	29	116	259	19	99	155	25	17	102
Negro.....	28	3	.....	4	1	2	1	.....	9	6	.....	.....	2
Illiterate females 21 years of age and over.....	1,677	188	63	52	14	231	361	57	261	249	46	27	123
Native white.....	105	7	9	7	2	20	14	4	10	12	13	3	4
Foreign-born white.....	1,530	180	59	45	9	210	346	51	231	228	32	22	117
Negro.....	39	1	.....	2	1	1	1	2	20	7	1	2	2
DWELLINGS AND FAMILIES.													
Dwellings, number.....	42,462	4,367	4,399	399	757	4,190	4,228	4,923	5,064	2,484	3,700	4,985	2,966
Families, number.....	64,409	5,493	5,153	561	1,820	5,351	5,064	7,249	6,567	3,543	4,256	5,856	3,491
COUNTRY OF BIRTH OF FOREIGN-BORN WHITE.													
Austria.....	2,429	97	177	13	59	422	261	96	701	187	59	75	282
Canada—French.....	587	24	30	19	48	41	121	63	110	51	20	21	39
Canada—Other.....	3,303	116	222	54	206	237	266	751	281	217	236	527	140
Czechoslovakia.....	1,797	33	37	9	32	1,050	37	59	306	54	23	31	126
Denmark.....	1,364	140	148	37	67	96	134	115	125	104	127	131	100
England.....	1,934	77	145	25	125	190	160	355	163	124	173	287	110
France.....	328	12	29	5	31	49	37	54	36	29	14	26	6
Germany.....	8,724	521	1,235	93	311	1,042	1,260	612	1,482	476	347	490	846
Greece.....	354	4	.....	43	169	15	9	25	14	53	5	14	3
Hungary.....	1,792	20	24	6	26	245	47	41	675	256	15	39	398
Ireland.....	3,053	129	326	65	167	302	235	480	351	341	177	306	168
Italy.....	1,685	490	149	221	68	419	85	16	48	129	16	15	29
Jugo-Slavia.....	334	12	7	1	17	29	64	8	110	18	3	35	30
Norway.....	3,818	685	328	97	108	179	168	346	306	400	587	419	195
Poland.....	2,555	769	110	72	42	161	207	131	488	375	37	68	105
Rumania.....	559	4	4	23	13	18	88	46	265	74	3	5	16
Russia.....	4,228	113	137	177	103	190	1,880	368	419	655	38	85	63
Scotland.....	712	24	50	11	39	73	43	142	54	44	97	89	46
Sweden.....	9,912	3,914	885	342	171	346	821	719	512	427	1,078	774	423
Switzerland.....	522	36	107	3	35	40	77	86	73	42	20	29	24
All other countries.....	1,605	56	89	68	96	133	370	132	153	228	91	101	88

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

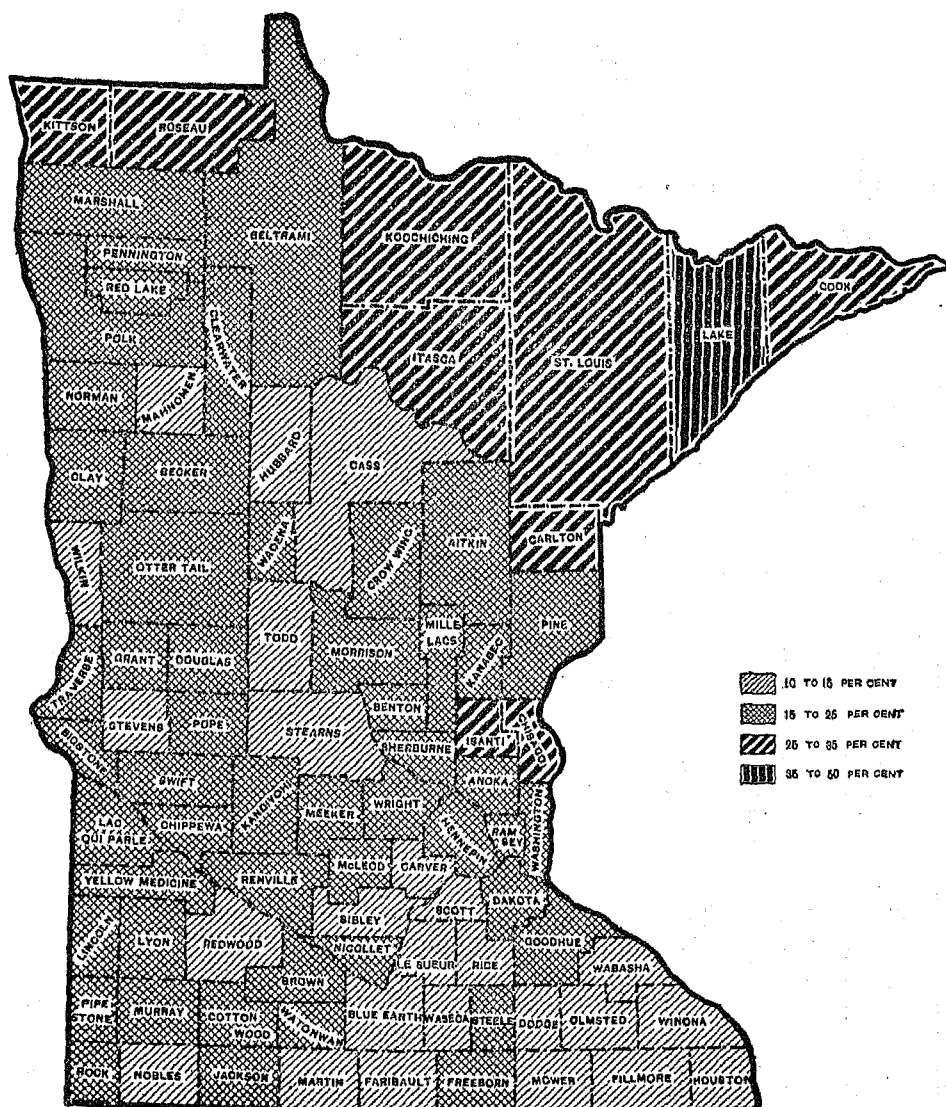


TABLE 14.—AGE, BY QUINQUENNIAL PERIODS, WITH SINGLE YEARS FOR PERSONS UNDER 25, FOR THE STATE: 1920.

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.....	1,245,537	1,141,588	424,834	402,793	358,334	349,792	173,972	173,047	278,588	207,576	4,851	3,958	4,958	4,422
Under 5 years.....	132,452	128,942	81,240	78,801	26,197	25,379	23,689	23,433	386	362	263	259	677	708
Under 1 year.....	24,374	24,217	15,912	15,516	4,303	4,279	4,334	4,186	35	26	56	57	144	153
5 to 9 years.....	126,208	122,391	65,880	63,948	32,026	31,021	25,819	24,924	1,572	1,614	249	262	662	622
10 to 14 years.....	118,139	115,822	53,188	51,861	34,673	34,278	26,320	25,616	3,235	3,201	219	273	504	493
15 to 19 years.....	109,708	109,901	42,579	42,488	37,569	37,569	23,703	23,916	5,236	5,284	232	264	389	400
20 to 24 years.....	108,250	109,669	36,375	37,690	41,760	42,623	19,928	20,584	9,371	8,024	397	396	429	352
25 to 29 years.....	110,683	102,963	31,927	30,742	41,843	42,187	15,953	16,183	20,031	13,057	560	514	369	280
30 to 34 years.....	100,840	88,938	25,531	23,269	35,234	34,678	11,372	12,138	27,841	18,162	530	435	332	256
35 to 39 years.....	91,367	77,173	21,011	18,246	28,355	27,047	8,890	9,178	32,149	21,407	657	470	290	225
40 to 44 years.....	72,624	62,729	15,282	13,159	22,194	21,749	6,098	6,032	28,200	21,234	535	342	225	213
45 to 49 years.....	67,787	54,648	13,153	10,420	20,556	18,958	4,505	4,176	28,848	20,016	466	283	259	185
50 to 54 years.....	58,456	46,752	10,566	8,556	14,624	13,289	2,974	2,798	29,763	21,717	298	164	231	128
55 to 59 years.....	48,977	38,460	8,430	6,789	10,572	9,672	2,008	1,643	27,633	20,126	182	99	152	131
60 to 64 years.....	39,628	30,199	7,400	5,521	7,608	6,419	1,314	1,061	23,057	17,005	102	84	147	109
65 to 69 years.....	25,224	20,603	4,909	3,945	3,182	2,739	700	592	16,282	13,193	63	49	88	85
70 to 74 years.....	16,101	13,997	3,116	2,880	1,070	887	361	357	11,541	9,750	33	33	70	90
75 to 79 years.....	10,141	9,639	1,875	1,969	437	352	160	199	7,598	6,963	22	14	49	42
80 to 84 years.....	4,548	4,923	893	1,058	141	143	66	103	3,428	3,570	19	9	31	40
85 to 89 years.....	2,032	2,176	419	502	55	46	31	35	1,513	1,580	6	3	8	10
90 to 94 years.....	513	621	88	143	12	14	14	7	385	439	3	1	11	17
95 to 99 years.....	90	143	20	23	3	1	1	4	56	105	1	1	9	10
100 years and over.....	9	16	2	2	2	2	2	2	7	8	1	1	2	3
Age unknown.....	1,670	983	982	601	233	139	60	68	366	159	14	3	15	13
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.....	10.6	11.3	19.1	19.6	7.3	7.3	13.6	13.5	0.1	0.2	5.4	6.5	13.7	16.0
Under 1 year.....	2.0	2.1	3.7	3.9	1.2	1.2	2.5	2.4	(1)	(1)	1.2	1.4	2.9	3.5
5 to 9 years.....	10.1	10.7	15.5	15.9	8.9	8.9	14.8	14.4	0.6	0.8	5.1	6.0	13.4	14.1
10 to 14 years.....	9.5	10.1	12.5	12.9	9.7	9.8	15.1	14.8	1.2	1.5	4.5	6.9	10.2	11.1
15 to 19 years.....	8.8	9.6	10.0	10.5	10.5	10.7	13.6	13.8	1.9	2.5	4.8	6.7	7.8	9.0
20 to 24 years.....	8.7	9.6	8.6	9.4	11.7	12.2	11.5	11.9	3.4	3.9	8.2	10.0	8.7	8.0
25 to 29 years.....	8.9	9.0	7.5	7.6	11.7	12.1	9.2	9.4	7.2	6.3	11.5	13.0	7.4	6.3
30 to 34 years.....	8.1	7.8	6.0	5.8	9.8	9.9	6.5	7.0	10.0	8.7	10.9	11.0	6.7	5.3
35 to 39 years.....	7.3	6.8	4.9	4.5	7.9	7.9	5.1	5.3	11.5	10.3	13.5	11.9	6.0	5.1
40 to 44 years.....	5.8	5.5	3.6	3.3	6.2	6.2	3.5	3.5	10.2	10.2	11.0	8.6	4.5	4.8
45 to 49 years.....	5.4	4.8	3.1	2.6	5.7	5.4	2.6	2.4	10.4	9.9	9.6	7.2	5.2	4.4
50 to 54 years.....	4.7	4.1	2.5	2.1	4.1	3.8	1.7	1.6	10.7	10.5	6.1	4.1	4.7	2.9
55 to 59 years.....	3.9	3.4	2.0	1.7	3.0	2.8	1.2	0.9	9.9	9.7	3.8	2.5	3.1	3.0
60 to 64 years.....	3.2	2.6	1.7	1.4	2.1	1.8	0.8	0.6	8.3	8.2	2.1	2.1	3.0	2.5
65 to 74 years.....	3.3	3.0	1.9	1.7	1.2	1.0	0.6	0.5	10.0	11.1	2.0	2.1	3.2	4.0
75 to 84 years.....	1.2	1.3	0.6	0.8	0.2	0.1	0.1	0.2	4.0	5.1	0.8	0.6	1.6	1.9
85 to 94 years.....	0.2	0.2	0.1	0.2	(1)	(1)	(1)	(1)	0.7	1.0	0.2	0.1	0.4	0.6
95 years and over.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0.1	(1)	(1)	0.2	0.3
Age unknown.....	0.1	0.1	0.2	0.1	0.1	(1)	(1)	(1)	0.1	0.1	0.3	0.1	0.3	0.3
Year of age (1-24).														
1 year.....	27,105	26,174	17,274	16,047	4,814	4,652	4,786	4,607	44	61	59	56	128	151
2 years.....	26,643	25,851	16,388	15,844	5,274	5,095	4,730	4,660	67	59	46	57	143	136
3 years.....	27,376	26,501	16,378	15,765	5,762	5,570	4,953	4,910	88	85	57	43	138	128
4 years.....	26,449	26,199	15,288	15,029	5,954	5,783	4,886	5,070	152	131	45	46	124	140
5 years.....	26,245	25,150	14,446	13,943	6,380	6,059	5,077	4,802	173	183	55	44	134	119
6 years.....	25,444	24,771	13,715	13,272	6,248	6,032	5,023	5,030	266	254	46	55	146	123
7 years.....	25,539	24,821	13,263	12,906	6,442	6,323	5,336	5,061	311	355	45	53	142	133
8 years.....	25,009	24,850	12,093	12,241	6,491	6,454	5,282	5,088	377	379	48	47	118	141
9 years.....	23,971	23,299	11,763	11,586	6,485	6,153	5,101	4,953	445	443	55	63	122	101
10 years.....	24,399	24,222	11,522	11,381	6,769	6,767	5,412	5,301	558	577	35	71	103	125
11 years.....	23,550	22,872	10,924	10,489	6,776	6,661	5,152	4,987	555	592	38	49	105	94
12 years.....	24,282	23,608	10,906	10,582	7,035	7,071	5,512	5,179	675	618	51	53	108	105
13 years.....	23,062	22,474	10,096	9,781	7,004	6,831	5,133	5,050	698	656	39	44	92	82
14 years.....	22,846	22,646	9,740	9,723	7,089	6,943	5,111	5,099	749	728	56	56	101	87
15 years.....	21,672	21,595	9,106	8,834	7,047	6,938	4,900	4,906	800	798	37	40	82	79
16 years.....	20,848	22,743	9,159	9,093	7,676	7,665	5,151	4,921	945	923	42	58	75	88
17 years.....	21,920	21,890	8,432	8,381	7,526	7,528	4,735	4,850	1,106	1,066	45	50	76	75
18 years.....	21,420	22,071	8,111	8,295	7,456	7,698	4,535	4,668	1,190	1,265	47	49	81	96
19 years.....	21,348	21,597	7,771	7,865	7,864	7,740	4,382	4,571	1,195	1,292	61	67	75	62
20 years.....	20,698	22,030	7,366	7,998	7,668	8,020	4,222	4,482	1,302	1,389	50	72	89	60
21 years.....	21,865	21,057	7,755	7,555	8,343	8,033	4,136	3,994	1,464	1,336	88	70	79	66
22 years.....	21,631	21,863	7,131	7,446	8,320	8,555	4,050	4,154	1,857	1,641	87	78	86	88
23 years.....	22,077	22,499	7,174	7,514	8,767	9,006	3,771	4,086	2,192	1,738	83	97	90	58
24 years.....	22,079	22,220	6,949	7,177	8,652	9,000	3,749	3,868	2,555	2,020	89	79	85	76

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.	868,738	365,890	42.1	460,829	53.0	35,687	4.1	4,134	774,433	248,592	32.1	450,785	58.2	68,945	8.9	4,843
15 to 19 years.	109,708	108,890	99.3	593	0.5	12	(2)	6	108,901	103,949	94.0	5,661	5.2	74	0.1	36
20 to 24 years.	108,250	90,671	83.8	16,835	15.6	170	0.2	90	108,669	66,093	60.3	42,314	38.6	613	0.6	356
25 to 34 years.	211,523	91,227	43.1	117,154	55.4	1,079	0.9	731	191,901	47,780	24.9	138,872	72.4	3,662	1.9	1,344
35 to 44 years.	163,991	37,359	22.8	121,560	74.1	3,818	2.3	1,017	139,902	16,748	12.0	114,782	82.0	6,925	4.9	1,334
45 to 54 years.	120,248	21,095	16.7	97,865	77.5	6,047	4.8	1,091	101,400	8,083	8.0	80,274	79.2	11,925	11.8	1,022
55 to 64 years.	88,605	10,871	12.3	68,264	77.0	8,553	9.7	793	68,659	3,775	5.5	47,540	69.2	16,730	24.4	537
65 years and over.	58,748	5,122	8.7	38,089	64.8	15,024	25.6	396	52,018	1,832	3.5	20,951	40.3	28,912	55.6	202
Age unknown.	1,670	645	38.6	439	26.3	84	5.0	10	983	332	33.8	391	39.8	104	10.6	12
Native white—Native parentage:																
15 years and over.	224,520	104,552	46.6	110,741	49.3	6,913	3.1	1,393	208,083	82,353	39.6	109,191	52.5	14,557	7.0	1,588
15 to 19 years.	42,579	42,215	99.1	277	0.7	5	(2)	2	42,468	39,877	93.9	2,480	5.8	32	0.1	18
20 to 24 years.	30,375	29,183	96.1	6,912	19.0	68	0.2	42	37,690	22,072	58.6	15,158	40.2	217	0.6	154
25 to 34 years.	57,458	20,855	36.3	35,613	62.0	575	1.0	304	54,011	13,409	24.8	39,008	72.2	1,042	1.9	478
35 to 44 years.	30,293	6,108	16.8	28,954	79.8	838	2.3	351	31,405	3,693	11.8	25,650	81.7	1,595	5.1	440
45 to 54 years.	23,710	3,150	13.3	18,991	80.1	1,198	5.1	349	19,076	1,711	9.0	14,784	77.5	2,281	12.0	282
55 to 64 years.	15,830	1,660	10.5	12,382	78.2	1,537	9.7	218	12,310	890	7.2	8,122	66.0	3,135	25.5	154
65 years and over.	11,290	1,072	9.5	7,393	65.5	2,666	23.6	122	10,522	494	4.7	3,738	35.5	6,211	59.0	54
Native white—For. or mixed par.:																
15 years and over.	303,582	187,785	51.6	160,374	45.8	7,383	2.0	1,313	358,188	145,048	40.5	193,538	54.0	17,158	4.8	1,892
15 to 19 years.	61,272	60,897	99.4	260	0.4	5	(2)	2	61,485	58,757	95.6	2,574	4.2	31	0.1	13
20 to 24 years.	61,678	53,120	86.1	8,179	13.3	88	0.1	34	63,207	40,364	63.9	22,187	35.1	313	0.5	159
25 to 34 years.	104,402	47,601	45.6	55,386	53.1	917	0.9	289	105,183	30,093	28.6	72,412	68.8	1,883	1.8	649
35 to 44 years.	65,543	15,066	23.0	48,652	74.2	1,400	2.1	369	64,000	9,680	15.0	51,247	79.3	3,084	4.8	543
45 to 54 years.	42,669	7,355	17.2	33,066	77.5	1,830	4.3	364	39,221	4,243	10.8	30,232	77.1	4,357	11.1	362
55 to 64 years.	21,502	2,831	13.2	16,575	77.1	1,881	8.7	192	18,795	1,503	8.0	12,527	66.7	4,616	24.6	134
65 years and over.	6,233	743	11.9	4,167	66.9	1,253	20.1	61	5,481	303	5.5	2,281	41.6	2,855	52.1	31
Native white—Foreign parentage:																
15 years and over.	265,438	130,370	49.1	127,712	48.1	5,860	2.2	958	259,114	97,671	37.7	146,093	56.4	13,563	5.2	1,361
15 to 19 years.	37,569	37,353	99.4	151	0.4	2	(2)	2	37,609	35,812	95.3	1,655	4.4	12	(2)	9
20 to 24 years.	41,750	36,012	86.3	5,484	13.1	55	0.1	20	42,623	27,008	63.6	15,084	35.4	209	0.6	97
25 to 34 years.	77,077	35,484	46.0	40,561	52.6	665	0.9	202	76,865	22,074	28.7	52,844	68.7	1,392	1.8	442
35 to 44 years.	50,549	12,057	23.9	37,093	73.4	1,092	2.2	262	49,306	7,549	15.3	39,064	79.1	2,348	4.8	393
45 to 54 years.	35,180	6,291	17.9	27,046	76.9	1,522	4.3	285	32,247	3,533	11.0	24,804	77.1	3,533	11.0	292
55 to 64 years.	18,180	2,442	13.4	14,000	77.0	1,573	8.7	144	16,001	1,308	8.1	10,727	66.7	3,935	24.5	106
65 years and over.	4,900	597	12.2	3,306	67.5	948	19.3	41	4,184	234	5.6	1,799	43.0	2,120	50.7	22
Native white—Mixed parentage:																
15 years and over.	98,144	57,415	58.5	38,662	39.4	1,514	1.5	355	99,074	47,377	47.8	47,445	47.9	3,595	3.6	531
15 to 19 years.	23,703	23,544	99.3	109	0.5	3	(2)	14	23,916	22,945	95.9	919	3.8	19	0.1	4
20 to 24 years.	19,028	17,108	89.8	2,695	13.5	28	0.1	37	20,584	13,266	64.4	7,103	34.5	104	0.5	62
25 to 34 years.	27,325	12,117	44.3	14,822	54.3	252	0.9	107	28,321	8,025	28.3	19,568	69.1	491	1.7	207
35 to 44 years.	14,994	3,009	20.1	11,559	77.1	308	2.1	79	15,210	2,131	14.0	12,183	80.1	736	4.8	150
45 to 54 years.	7,479	1,064	14.2	6,020	80.5	308	4.1	48	6,974	710	10.2	5,368	77.0	824	11.8	70
55 to 64 years.	3,322	389	11.7	2,757	77.5	308	9.3	48	2,704	195	7.2	1,800	66.6	681	25.2	28
65 years and over.	1,333	140	11.0	861	64.6	305	22.9	20	1,297	60	5.3	482	37.2	735	56.7	9
Foreign-born white:																
15 years and over.	273,395	70,918	25.9	179,690	65.7	20,943	7.7	1,322	202,399	20,160	10.0	144,330	71.3	36,385	18.0	1,250
15 to 19 years.	5,230	5,177	98.9	38	0.7	2	(2)	1	5,284	4,774	90.3	494	9.3	8	0.2	31
20 to 24 years.	9,371	7,797	83.2	1,509	16.1	15	0.2	7	8,024	3,433	42.8	4,470	55.8	67	0.8	107
25 to 34 years.	47,872	22,094	46.2	25,135	52.5	432	0.9	108	31,219	4,124	13.2	20,264	84.1	641	2.1	167
35 to 44 years.	60,439	15,772	26.1	42,785	70.8	1,511	2.5	263	42,641	3,307	7.8	36,875	86.5	2,109	4.9	819
45 to 54 years.	58,611	10,368	17.7	44,006	76.0	2,920	5.0	357	42,333	2,100	5.0	34,990	81.9	5,121	12.1	373
55 to 64 years.	50,690	6,303	12.4	38,905	76.8	5,042	9.9	373	37,131	1,368	3.7	20,662	71.8	8,808	23.7	240
65 years and over.	40,810	3,261	8.0	26,290	64.4	10,979	26.9	211	35,608	1,029	2.9	14,785	41.5	19,597	55.0	114
Negro:																
15 years and over.	4,120	1,543	37.5	2,248	54.6	238	5.8	79	3,164	537	17.0	2,063	65.2	492	15.5	66
15 to 19 years.	232	225	97.0	6	2.6	1	(2)	2	244	222	91.0	22	9.0	1	0.4	5
20 to 24 years.	397	288	72.5	104	26.2	1	0.3	2	396	128	32.3	258	65.2	5	1.3	30
25 to 34 years.	1,080	459	42.1	582	53.4	28	2.6	18	949	99	10.4	747	78.7	73	7.7	30
35 to 44 years.	1,182	328	27.5	788	66.1	45	3.8	30	812	52	6.4	621	76.5	112	13.8	25
45 to 54 years.	764	158	20.7	525	68.7	62	8.1	18	447	23	5.1	299	66.9	120	26.8	8
55 to 64 years.	284	50	17.6	172	60.6	53	18.7	8	183	12	6.6	64	35.0	104	56.8	3
65 years and over.	147	30	20.4	67	45.6	49	33.3	1	110	1	0.9	32	29.1	77	70.0	...
Indian—15 years and over.	2,621	832	31.7	1,537	58.6	206	7.9	27	2,553	486	19.0	1,658	64.9	351	13.7	46
Chinese—15 years and over.	423	202	47.8	217	51.3	3	0.7	...	34	6	...	28	...	2	...	1
Japanese—15 years and over.	53															

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.....	2,387,125	2,368,936	18,189	100.0	100.0	100.0	100.0	100.0	100.0	.....	.....
Native.....	1,900,330	1,882,772	17,558	79.6	78.8	79.5	78.6	96.5	96.5	100.0	100.0
Born in—											
Minnesota.....	1,392,176	1,382,057	10,119	58.3	54.0	58.3	54.0	55.6	60.8	73.4	73.3
Wisconsin.....	113,037	112,642	395	4.7	4.7	4.8	4.7	2.2	2.4	6.0	6.4
Iowa.....	105,853	105,426	427	4.4	3.2	4.5	3.2	2.3	1.6	5.6	4.4
Illinois.....	59,989	59,536	463	2.5	2.2	2.5	2.2	2.5	2.6	3.2	3.0
Michigan.....	30,038	29,925	113	1.3	1.3	1.3	1.3	0.6	0.8	1.6	1.7
New York.....	26,999	26,915	84	1.1	1.7	1.1	1.7	0.5	0.6	1.4	2.3
North Dakota.....	26,278	26,227	51	1.1	0.6	1.1	0.6	0.3	0.6	1.4	0.8
South Dakota.....	20,177	20,091	86	0.8	0.5	0.8	0.5	0.5	0.4	1.1	0.7
Ohio.....	15,679	15,448	231	0.7	0.9	0.7	0.9	1.3	1.8	0.8	1.2
Pennsylvania.....	14,545	14,456	89	0.6	0.8	0.6	0.8	0.5	0.5	0.8	1.1
Indiana.....	12,692	12,481	211	0.5	0.6	0.5	0.6	1.2	1.0	0.7	0.8
Nebraska.....	10,957	10,830	127	0.5	0.2	0.5	0.2	0.7	0.5	0.6	0.3
Missouri.....	9,594	8,580	1,014	0.4	0.3	0.4	0.3	5.6	4.1	0.5	0.4
Massachusetts.....	5,425	5,386	39	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.4
Kansas.....	5,406	5,090	316	0.2	0.1	0.2	0.1	1.7	1.0	0.3	0.2
Maine.....	5,320	5,313	7	0.2	0.4	0.2	0.4	(²)	0.1	0.3	0.5
Other states.....	37,585	34,004	3,581	1.6	1.5	1.4	1.4	19.7	16.1	1.8	1.9
Other native.....	8,570	8,365	205	0.4	0.4	0.4	0.4	1.1	1.3	0.4	0.6
Foreign born.....	486,795	486,164	631	20.4	26.2	20.5	20.4	3.5	3.5	.....	.....

¹ Comprises persons of Negro descent, Indians, Chinese, Japanese, and all other; see Table 1.² Less than one-tenth of 1 per cent.³ 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.	Citi- zen- ship not reported.	Total.	Naturalized.	
	Number.	Per cent distri- bution.				Number.	Per cent.					Number.	Percent.
Total.....	486,795	100.0	279,099	207,696	486,164	328,278	67.5	44,688	85,181	28,017	462,582	319,390	69.0
Sweden.....	112,117	23.0	64,649	47,468	112,117	82,784	73.8	9,877	14,823	4,683	108,157	80,918	74.8
Norway.....	90,188	18.5	49,826	40,362	90,188	65,892	73.1	7,214	11,906	5,170	87,320	64,592	74.0
Germany.....	74,034	15.3	40,444	34,190	74,634	59,175	79.3	4,209	5,771	5,479	73,192	58,613	80.1
Canada.....	33,862	7.0	18,638	15,224	33,732	23,114	68.5	2,208	4,936	3,474	30,741	22,253	72.4
French.....	6,796	1.4	4,001	2,795	6,796	4,014	59.2	552	737	593	6,588	4,821	73.2
Finland.....	29,108	6.0	17,803	11,305	29,108	13,996	48.1	3,983	10,327	802	27,155	13,229	48.7
Poland.....	18,537	3.8	10,685	7,852	18,537	10,488	56.6	2,329	5,032	688	17,496	10,156	58.0
Denmark.....	16,004	3.3	10,339	6,565	16,904	12,332	73.0	1,505	1,985	1,032	16,200	12,027	74.2
Russia.....	16,100	3.3	9,322	6,778	16,100	7,771	48.3	2,131	5,560	638	13,614	6,895	50.6
Czecho-Slovakia.....	12,626	2.6	6,890	5,736	12,626	8,371	66.3	1,363	2,241	651	12,075	8,170	67.7
Austria.....	11,550	2.4	6,090	4,860	11,550	6,271	54.3	1,521	3,084	674	10,849	6,018	55.5
England.....	10,964	2.3	6,184	4,780	10,958	7,345	67.0	953	1,721	939	10,231	7,017	68.6
Jugo-Slavia.....	10,697	2.2	7,557	3,140	10,697	2,936	27.4	1,905	5,700	156	10,126	2,813	27.8
Ireland.....	10,289	2.1	5,420	4,869	10,289	7,599	73.9	613	824	1,253	10,174	7,533	74.0
Italy.....	7,432	1.5	4,973	2,459	7,432	2,818	37.9	1,334	3,026	254	6,634	2,611	39.4
Netherlands.....	5,380	1.1	3,163	2,217	5,380	2,925	54.4	500	1,623	332	4,586	2,098	58.8
Hungary.....	4,277	0.9	2,378	1,899	4,277	1,950	45.6	627	1,536	164	3,831	1,831	47.8
Scotland.....	3,928	0.8	2,260	1,668	3,928	2,567	65.4	361	684	316	3,685	2,464	66.9
All other countries.....	18,202	3.7	11,878	6,324	17,707	9,994	56.4	2,055	4,402	1,256	16,516	9,546	57.8

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.....	486,795	3,246	4,592	44,733	52,035	52,276	287,015	42,898	0.7	0.9	9.2	10.7	10.7	59.0	8.8
Male.....	279,099	1,652	2,542	28,119	32,514	32,058	165,642	16,572	0.6	0.9	10.1	11.6	11.5	59.3	5.9
Female.....	207,696	1,594	2,050	16,614	19,521	20,218	121,373	26,326	0.8	1.0	8.0	9.4	9.7	58.4	12.7

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.....	482,230	28,311	5.9	462,582	28,024	6.1
Male.....	276,630	10,900	3.9	269,856	10,749	4.0
Female.....	205,600	17,411	8.5	195,726	17,275	8.8

COMPOSITION AND CHARACTERISTICS.

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

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

CLASS OF POPULATION AND SEX.	Total number of persons attending school: 1920	PERSONS 7 TO 13 YEARS OF AGE.			PERSONS 14 AND 15 YEARS OF AGE.			PERSONS 16 AND 17 YEARS OF AGE.			PERSONS 18 TO 20 YEARS OF AGE.			OTHERS ATTENDING SCHOOL.	
		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Under 7 years of age.	21 years of age and over.
			Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		
All classes.....	510,238	335,458	314,905	93.9	89,059	76,759	86.2	89,808	38,055	42.5	129,184	21,377	16.6	47,778	11,364
Male.....	256,092	169,812	169,372	93.9	44,818	38,404	85.9	44,968	17,231	38.3	63,406	9,946	15.7	23,924	7,125
Female.....	254,146	165,646	155,533	93.9	44,241	38,355	86.5	44,838	20,824	46.7	65,998	11,431	17.4	23,854	4,239
Native white:															
Native parentage.....	241,685	160,133	150,740	94.1	37,408	33,141	88.6	35,065	17,666	50.5	47,406	10,030	21.2	25,729	4,349
Male.....	121,231	81,167	76,381	94.1	18,846	16,007	85.1	17,501	8,060	45.8	23,248	4,718	20.3	12,901	2,564
Female.....	120,454	78,966	74,359	94.2	18,562	16,534	89.1	17,474	9,606	55.1	24,158	5,312	22.0	12,828	1,785
Foreign parentage.....	143,496	93,262	87,538	93.9	28,022	23,555	84.1	30,305	10,785	35.3	40,455	5,932	12.8	12,162	3,574
Male.....	71,867	47,002	44,158	93.9	14,136	11,862	83.9	15,202	4,780	31.4	22,988	2,702	11.8	6,120	2,245
Female.....	71,629	46,260	43,380	93.8	13,886	11,693	84.2	15,193	5,955	39.2	23,467	3,230	13.8	6,042	1,329
Mixed parentage.....	109,842	72,537	68,452	94.4	20,016	17,203	86.4	19,657	8,288	42.2	26,860	4,572	17.0	9,224	2,013
Male.....	55,179	36,923	34,872	94.4	10,011	8,641	86.3	9,836	3,770	38.1	13,139	2,094	15.9	4,572	1,230
Female.....	54,663	35,614	33,580	94.3	10,005	8,562	86.5	9,771	4,518	46.2	13,721	2,478	18.1	4,652	783
Foreign-born white.....	12,494	7,269	6,439	88.6	3,075	2,377	77.3	3,980	1,119	28.1	7,634	721	9.4	456	1,382
Male.....	6,540	3,619	3,159	87.3	1,549	1,196	77.2	2,051	535	26.1	3,688	372	10.1	231	1,047
Female.....	5,954	3,650	3,280	89.9	1,526	1,181	77.4	1,929	584	30.3	3,946	349	8.8	225	355
Negro.....	1,113	691	690	95.5	189	171	90.5	195	94	48.2	346	44	12.7	121	23
Male.....	508	311	297	95.5	93	80	85.9	87	31	35.7	158	21	13.3	59	20
Female.....	605	380	393	95.5	96	91	94.8	108	63	58.3	188	23	12.2	62	3

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

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

YEAR OF AGE.	NUMBER AND PER CENT OF TOTAL AT SPECIFIED AGE ATTENDING SCHOOL: 1920													
	All classes.													
	Both sexes.		Male.		Female.		Native parentage.		Foreign parentage.		Mixed parentage.		Foreign-born white.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
5 years.....	11,531	22.4	5,756	21.9	5,775	23.0	6,024	21.2	3,206	26.3	2,091	21.2	104	29.2
6 years.....	35,511	70.7	17,817	70.0	17,694	71.4	19,304	71.5	8,705	70.9	6,995	69.6	349	67.1
7 years.....	44,262	87.9	22,429	87.8	21,833	88.0	23,157	88.5	11,203	87.8	9,145	88.0	531	70.7
8 years.....	45,120	91.4	22,895	91.5	22,225	91.3	22,902	91.9	11,828	91.4	9,494	91.6	642	84.9
9 years.....	43,869	92.8	22,288	93.0	21,581	92.6	21,762	93.2	11,873	92.4	9,305	93.4	770	86.7
10 years.....	46,885	96.4	23,507	96.3	23,378	96.5	22,131	96.6	13,031	96.3	10,393	97.0	1,056	93.0
11 years.....	44,861	96.6	22,776	96.7	22,085	96.6	20,781	97.0	12,959	96.4	9,845	97.1	1,042	90.8
12 years.....	46,224	96.5	23,404	96.4	22,820	96.7	20,825	96.9	13,606	96.5	10,371	97.0	1,158	89.6
13 years.....	43,684	95.9	22,073	95.7	21,611	96.2	19,182	96.5	13,238	95.7	9,809	96.3	1,240	89.6
14 years.....	41,875	92.0	21,010	92.0	20,865	92.1	18,172	93.3	12,780	91.0	9,440	92.5	1,249	84.6
15 years.....	34,884	80.1	17,494	79.6	17,400	80.6	14,969	83.4	10,775	77.0	7,853	80.1	1,128	70.6
16 years.....	23,143	50.5	10,713	40.5	12,430	54.6	10,668	58.4	6,603	43.0	5,028	49.9	699	37.4
17 years.....	14,912	34.0	6,518	29.7	8,394	38.3	7,028	41.8	4,132	27.4	3,260	34.0	420	19.9
18 years.....	10,099	23.2	4,354	20.3	5,745	26.0	4,809	29.3	2,770	18.3	2,127	23.1	335	13.6
19 years.....	6,647	15.5	3,179	14.9	3,468	16.1	3,045	19.5	1,889	12.1	1,452	16.2	216	8.7
20 years.....	4,631	10.8	2,413	11.7	2,218	10.1	2,176	14.2	1,273	8.1	993	11.4	170	6.3

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.		
				Native parentage.			Foreign parentage.			Mixed parentage.								
	Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.				
		Num- ber.	Per cent.		Num- ber.	Per cent.		Num- ber.	Per cent.		Num- ber.	Per cent.		Num- ber.	Per cent.	Num- ber.	Per cent.	
10 years and over	1,877,132	34,487	1.8	537,758	1,988	0.4	593,503	3,185	0.5	249,154	782	0.3	482,230	26,242	5.4	7,778	241	3.1
Male.....	986,877	17,413	1.8	277,714	1,163	0.4	300,111	1,787	0.6	124,464	476	0.4	276,630	12,915	4.7	4,380	119	2.7
Female.....	890,255	17,074	1.9	260,044	825	0.3	293,392	1,398	0.5	124,690	306	0.2	205,600	13,327	6.5	3,437	122	3.5
21 years and over	1,380,834	32,869	2.4	332,198	1,408	0.4	433,717	2,747	0.6	140,895	558	0.4	462,582	20,047	5.6	6,668	234	3.5
Male.....	738,332	16,473	2.2	174,581	830	0.5	220,201	1,525	0.7	70,219	355	0.5	266,556	12,817	4.8	3,838	113	2.9
Female.....	642,502	16,396	2.6	157,617	576	0.4	213,516	1,222	0.6	70,676	223	0.3	195,726	13,230	6.8	2,828	121	4.3
Both sexes:																		
10 to 14 years.....	233,961	691	0.3	105,149	270	0.3	68,951	202	0.3	51,936	98	0.2	6,436	34	0.5	492	1	0.2
15 to 24 years.....	437,528	1,972	0.5	159,112	451	0.3	159,511	434	0.3	88,131	185	0.2	27,015	727	2.6	1,289	13	1.0
25 to 34 years.....	403,424	5,939	1.5	111,469	349	0.3	153,942	649	0.4	55,640	188	0.3	79,091	4,484	5.7	2,039	31	1.5
35 to 44 years.....	303,893	6,576	2.2	67,698	259	0.4	99,945	643	0.6	30,204	134	0.4	103,080	5,145	5.0	2,004	49	2.4
45 to 54 years.....	227,643	5,739	2.5	42,795	223	0.5	67,427	599	0.9	14,453	84	0.6	100,944	4,372	4.3	1,211	43	4.0
55 to 64 years.....	157,264	5,137	3.3	28,140	168	0.6	34,271	432	1.3	6,026	48	0.8	87,821	4,108	4.7	467	46	9.9
65 years and over.....	110,766	8,314	7.5	21,812	213	1.0	9,084	213	2.3	2,630	41	1.6	76,418	7,340	9.6	257	51	19.8
Male:																		
10 to 14 years.....	118,139	407	0.3	53,188	147	0.3	34,673	123	0.4	26,320	64	0.2	3,235	19	0.6	219	1	0.5
15 to 24 years.....	217,958	1,128	0.5	78,954	265	0.3	79,319	264	0.3	43,631	113	0.3	14,607	387	2.6	629	9	1.4
25 to 34 years.....	211,523	3,272	1.5	57,468	194	0.3	77,077	379	0.5	27,355	114	0.4	47,872	2,462	5.1	1,090	16	1.5
35 to 44 years.....	163,991	3,806	2.3	36,293	165	0.5	50,549	373	0.7	14,994	85	0.6	60,439	3,003	5.0	1,192	34	2.9
45 to 54 years.....	126,243	3,039	2.4	23,719	143	0.6	35,180	332	0.9	7,479	52	0.7	58,611	2,290	3.9	764	19	2.5
55 to 64 years.....	88,605	2,427	2.7	15,830	110	0.7	18,180	203	1.1	3,322	28	0.8	50,690	1,920	3.8	284	18	6.3
65 years and over.....	58,748	3,270	5.6	11,290	105	0.9	4,900	109	2.2	1,333	18	1.4	40,810	2,813	6.9	147	20	13.6
Female:																		
10 to 14 years.....	115,822	284	0.2	51,961	123	0.2	34,278	79	0.2	25,616	34	0.1	3,201	15	0.5	273	-----	0.6
15 to 24 years.....	219,570	844	0.4	80,158	186	0.2	80,192	170	0.2	44,500	72	0.2	13,308	340	2.6	660	4	0.6
25 to 34 years.....	191,901	2,667	1.4	54,011	155	0.3	70,865	270	0.4	23,210	74	0.3	31,219	2,022	6.5	949	15	1.6
35 to 44 years.....	139,902	2,770	2.0	31,405	94	0.3	49,390	270	0.5	15,210	49	0.3	42,641	2,139	5.0	812	15	1.3
45 to 54 years.....	101,400	2,700	2.7	19,076	80	0.4	32,247	267	0.8	6,974	32	0.5	42,333	2,082	4.9	447	29	6.5
55 to 64 years.....	68,669	2,710	3.9	12,310	58	0.5	16,091	229	1.4	2,704	20	0.7	37,131	2,188	5.9	188	28	15.3
65 years and over.....	52,018	5,044	9.7	10,522	108	1.0	4,184	104	2.5	1,297	23	1.9	35,608	4,527	12.7	110	31	28.2

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

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

COUNTRY OF ORIGIN.	Total foreign white stock: 1920	Foreign-born white Birth-place of father.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.				MOTHER TONGUE.	Total foreign white stock: 1920	Foreign-born white.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.			
			Total.	Both parents foreign.	Father foreign.	Mother foreign.				Total.	Both parents foreign.	Father foreign.	Mother foreign.
Total.....	1,541,309	486,164	1,055,145	708,126	232,719	114,300	Total.....	1,541,309	486,164	1,055,145	708,126	232,719	114,300
Northwestern Europe:							English and Celtic.....	200,677	52,283	148,394	71,229	49,743	27,422
England.....	36,873	12,457	24,416	8,871	10,173	5,372	Germanic:						
Scotland.....	14,860	6,541	8,319	3,424	3,362	1,333	German.....	395,682	94,287	301,395	188,232	76,411	36,752
Wales.....	3,730	895	2,835	1,274	1,142	419	Dutch and Frisian.....	15,160	5,418	9,742	5,859	2,651	1,232
Ireland.....	65,869	15,026	50,843	32,266	12,545	6,032	Flemish.....	3,754	1,070	2,684	1,492	422	170
Norway.....	280,982	89,788	191,194	127,824	41,849	21,521	Scandinavian:						
Sweden.....	280,077	112,747	167,330	124,182	29,504	13,644	Swedish.....	283,815	114,076	169,739	126,439	29,575	13,725
Denmark.....	44,487	16,922	27,565	17,739	7,043	2,783	Norwegian.....	281,046	90,077	190,969	127,713	41,786	21,470
Netherlands.....	15,007	5,420	9,587	5,754	2,615	1,218	Danish.....	44,600	16,952	27,648	17,856	7,025	2,767
Belgium.....	4,882	2,089	2,793	1,766	702	325	Latin and Greek:						
Luxemburg.....	7,100	1,717	5,383	2,981	1,839	563	Italian.....	15,306	7,533	7,773	6,756	918	99
Switzerland.....	9,368	2,722	6,646	3,370	2,411	865	French.....	33,630	8,607	25,023	12,801	8,577	3,645
France.....	4,920	1,463	3,457	1,385	1,491	581	Spanish.....	516	315	201	61	88	52
Central and Eastern Europe:							Portuguese.....	27	7	20	3	10	7
Germany.....	365,933	86,396	279,537	174,094	71,117	34,326	Rumanian.....	2,253	1,504	749	677	58	14
Austria.....	87,214	31,342	55,872	40,611	9,925	5,336	Greek.....	2,812	2,354	458	273	176	9
Hungary.....	24,116	12,337	11,779	10,402	1,009	368	Slavic and Lettic:						
Russia.....	42,526	21,481	21,045	17,571	2,595	879	Polish.....	49,490	16,857	32,633	25,149	5,400	2,084
Finland.....	61,640	29,348	32,292	28,714	2,365	1,213	Czech.....	35,394	10,659	24,735	16,896	4,085	2,854
Rumania.....	3,523	2,202	1,321	1,177	104	40	Slovak.....	6,478	2,744	3,734	3,267	391	76
Bulgaria, Serbia, and Montenegro.....	2,255	1,570	685	624	55	6	Russian.....	8,562	4,232	4,330	3,068	504	158
Turkey in Europe.....	164	149	15	8	7	.....	Ruthenian.....	715	585	130	123	6	1
Southern Europe:							Slovenian.....	13,803	5,690	8,113	7,070	357	86
Greece.....	2,794	2,333	461	269	181	11	Serbo-Croatian.....	9,003	5,587	3,416	3,283	110	23
Italy.....	14,806	7,345	7,461	6,504	869	88	Bulgarian.....	621	556	65	31	34	.....
Spain.....	108	53	55	7	28	20	Slavic, not specified.....	4	1	3	.....	3	.....
Portugal.....	21	6	15	3	8	4	Lithuanian and Lettish.....	1,031	634	397	304	71	22
Europe, not specified.....	329	44	285	144	122	10	Unclassified:						
Asia:							Yiddish and Hebrew.....	24,572	13,344	11,228	10,392	647	189
Turkey in Asia.....	1,926	1,072	854	759	85	10	Magyar.....	2,823	1,338	1,485	1,141	205	139
All other countries.....	173	63	110	18	40	52	Finnish.....	58,705	27,584	31,121	27,558	2,303	1,200
America:							Armenian.....	213	177	36	23	13	.....
Canada—French.....	26,430	6,618	19,812	10,339	6,626	2,847	Syrian and Arabic.....	1,649	859	790	713	69	8
Canada—Other.....	67,064	15,542	51,522	16,211	22,384	13,927	Turkish.....	50	41	9	2	7	.....
Newfoundland.....	148	74	74	22	35	17	Albanian.....	27	27	.....	.....	.....	.....
West Indies.....	93	43	50	12	25	13	All other.....	13	8	5	3	2	.....
Mexico.....	333	204	129	44	52	33	Unknown.....	602	158	444	236	112	96
Cent. and South America.....	106	38	73	6	31	37	Of mixed mother tongue.....	48,276	.....	48,276	48,276	.....	.....
All other.....	829	122	707	129	380	198							
Of mixed foreign parentage.....	70,623	.....	70,623	70,623	.....	.....					

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.....	526,026	202,222	312,367	181,253	123,786	7,328	11,437	COUNTIES—con.							
COUNTIES.								Grant.....	2,008	657	1,317	736	528	53	34
Aitkin.....	3,355	808	2,469	1,141	1,309	10	78	Hennepin.....	99,852	55,769	42,739	20,000	22,035	644	1,344
Anoka.....	3,402	830	2,594	1,459	1,119	16	38	Houston.....	3,220	794	2,359	1,589	713	47	67
Becker.....	4,776	1,250	3,313	1,777	1,434	102	213	Hubbard.....	2,309	571	1,680	873	792	15	58
Beltrami.....	6,106	1,572	4,465	2,675	1,740	50	129	Isanti.....	2,932	549	2,369	1,453	890	26	14
Benton.....	2,844	684	2,093	1,289	790	14	67	Itasca.....	4,966	1,774	3,015	1,824	1,098	93	177
Big Stone.....	2,079	791	1,213	726	452	35	75	Jackson.....	3,324	1,265	1,963	1,017	850	87	96
Blue Earth.....	7,415	2,500	4,654	2,642	1,609	403	261	Kanabec.....	1,997	335	1,646	630	1,014	2	16
Brown.....	4,970	1,486	3,387	2,609	748	30	97	Kandiyohi.....	4,568	1,696	2,911	1,664	1,206	41	61
Carlton.....	4,119	946	3,401	1,826	1,524	51	72	Kittson.....	2,173	684	1,543	712	808	28	41
Carver.....	3,671	882	2,741	1,971	752	18	48	Koochiching.....	2,706	915	1,637	909	682	46	154
Cass.....	3,551	921	2,514	1,324	1,152	38	116	Lac qui Parle.....	3,223	1,242	1,921	1,012	806	103	60
Chippewa.....	3,277	1,196	1,999	1,076	828	95	82	Lake.....	1,745	504	1,200	922	273	5	41
Chisago.....	3,402	783	2,644	1,737	886	21	35	Le Sueur.....	4,260	974	3,215	2,331	711	173	71
Clay.....	4,500	1,600	2,601	1,497	1,078	85	239	Lincoln.....	2,299	712	1,514	707	687	60	73
Clearwater.....	1,834	296	1,454	726	600	38	84	Lyon.....	4,077	1,515	2,417	1,441	950	26	145
Cook.....	475	90	388	281	81	6	17	McLeod.....	4,492	1,021	3,393	2,415	915	63	78
Cottonwood.....	3,023	1,047	1,897	1,024	814	59	79	Mahnomen.....	1,181	279	801	438	358	5	101
Crow Wing.....	5,445	1,909	3,433	2,286	1,107	40	103	Marshall.....	3,989	953	2,911	1,323	1,504	84	125
Dakota.....	6,132	2,072	3,833	2,462	1,393	78	127	Martin.....	4,546	1,701	2,712	1,400	1,254	58	133
Dodge.....	2,938	1,017	1,849	1,146	630	173	72	Meeker.....	3,907	968	2,863	1,600	1,127	136	76
Douglas.....	4,182	913	3,092	1,847	1,206	39	177	Miller.....	3,184	698	2,434	1,111	1,298	25	52
Faribault.....	4,694	1,507	3,055	1,708	1,103	244	132	Morrison.....	5,342	1,124	4,165	2,509	1,629	27	53
Fillmore.....	5,944	1,736	4,023	2,810	1,070	143	185	Mower.....	5,742	2,153	3,423	2,307	1,015	101	161
Freeborn.....	5,397	1,918	3,354	1,730	1,498	126	125	Murray.....	2,741	1,092	1,571	715	782	74	78
Goodhue.....	7,055	2,431	4,476	3,180	1,152	144	148								

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.															
Nicollet.....	2,995	900	1,913	1,327	489	97	122	Austin.....	2,177	879	1,238	983	252	3	90
Nobles.....	3,747	1,571	2,082	1,205	818	59	94	Duluth.....	21,294	11,085	9,841	4,632	5,060	149	368
Norman.....	3,020	876	2,035	1,212	750	73	109	Faribault.....	2,090	891	1,118	815	240	63	81
Olmsted.....	6,121	2,069	3,889	2,284	1,511	94	163	Hibbing village.....	2,731	1,563	1,097	733	326	38	81
Otter Tail.....	10,309	2,422	7,690	4,067	3,317	306	197	Mankato.....	2,964	1,189	1,688	1,019	463	206	87
Pennington.....	2,484	720	1,731	908	814	9	33	Minneapolis.....	91,843	53,527	37,090	16,006	19,924	560	1,226
Pine.....	4,555	831	3,622	1,702	1,840	74	102	Ward 1.....	3,727	2,307	1,284	754	527	3	76
Pipestone.....	2,589	1,057	1,388	753	567	66	146	Ward 2.....	4,686	2,824	1,788	822	843	118	74
Polk.....	7,854	2,640	5,003	3,032	1,895	76	211	Ward 3.....	9,562	5,999	3,395	1,723	1,644	28	168
Pope.....	2,830	865	1,863	1,033	792	38	102	Ward 4.....	9,061	7,311	1,626	870	701	55	124
Ramsey.....	56,580	29,437	26,155	14,848	11,008	301	988	Ward 5.....	8,159	7,463	551	307	217	27	145
Red Lake.....	1,409	379	972	493	454	25	58	Ward 6.....	2,708	2,093	527	417	106	4	88
Redwood.....	4,335	1,565	2,591	1,480	1,037	74	179	Ward 7.....	7,088	3,480	3,546	1,607	1,917	22	42
Renville.....	4,987	1,746	3,113	2,034	950	129	128	Ward 8.....	12,488	8,048	4,311	2,377	1,901	33	129
Rice.....	6,016	1,940	3,902	2,689	1,005	208	174	Ward 9.....	7,012	3,584	3,333	1,701	1,599	33	95
Rock.....	2,360	1,060	1,240	709	476	55	60	Ward 10.....	6,135	2,184	3,895	1,655	2,218	22	56
Roseau.....	2,815	555	2,158	912	1,127	119	102	Ward 11.....	4,738	3,300	1,345	791	534	20	84
St. Louis.....	41,992	19,049	22,063	13,346	8,386	331	880	Ward 12.....	7,560	2,184	5,307	1,545	3,606	156	69
Scott.....	3,121	787	2,274	1,701	540	33	60	Ward 13.....	8,939	2,081	6,182	2,037	4,108	39	76
Sherburne.....	2,080	502	1,542	840	677	25	36	Rochester.....	2,796	1,075	1,600	1,023	608	29	61
Sibley.....	3,322	883	2,357	1,698	615	44	82	St. Cloud.....	3,441	1,430	1,972	1,193	630	149	39
Stearns.....	11,009	3,205	7,617	4,895	2,423	299	187	St. Paul.....	54,409	28,843	24,623	13,723	10,606	204	943
Steele.....	3,925	1,140	2,693	1,770	890	33	92	Ward 1.....	5,493	2,748	2,680	1,626	1,044	10	65
Stevens.....	2,004	815	1,145	586	548	11	44	Ward 2.....	5,158	2,242	2,833	1,520	1,211	102	83
Swift.....	3,041	1,007	1,889	1,089	734	66	85	Ward 3.....	5,561	512	41	24	17	8	8
Todd.....	5,616	1,358	4,147	2,281	1,769	97	111	Ward 4.....	1,820	1,692	75	40	13	16	53
Traverse.....	1,728	738	930	554	345	31	60	Ward 5.....	5,351	2,078	2,508	1,630	867	11	105
Wabasha.....	4,296	1,282	2,922	2,141	733	48	92	Ward 6.....	5,064	2,711	2,318	1,343	957	18	35
Wadena.....	2,263	529	1,673	838	778	57	61	Ward 7.....	7,249	4,480	2,680	1,691	919	70	89
Waseca.....	3,274	971	2,240	1,545	656	39	63	Ward 8.....	6,567	3,884	2,532	1,664	848	20	151
Washington.....	5,446	1,531	3,778	2,890	831	57	137	Ward 9.....	3,543	2,449	1,062	647	412	3	32
Watouwan.....	2,712	923	1,708	971	680	57	81	Ward 10.....	4,256	1,701	2,471	1,097	1,364	10	84
Wilkin.....	2,044	854	1,147	559	551	37	43	Ward 11.....	5,856	2,223	3,480	1,427	2,031	31	144
Winona.....	7,941	2,663	5,136	3,839	1,217	80	142	Ward 12.....	3,491	1,523	1,934	1,008	923	3	34
Wright.....	6,340	1,477	4,813	3,045	1,726	42	50	Virginia.....	2,845	1,587	1,190	744	433	13	68
Yellow Medicine.....	3,377	1,170	2,142	1,320	773	49	65	Winona.....	4,033	1,795	2,761	2,262	452	37	87

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, 1,877,132; males, 986,877; females, 890,255. Persons gainfully occupied—Total, 907,013; males, 742,947; females, 164,066. Per cent of persons 10 years of age and over gainfully occupied—Total, 48.3; males, 75.3; females, 18.4.]

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.						AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.	
		Native parent-age.	Foreign or mixed parent-age.										
MALES.....	742,947	185,722	313,325	237,632	4,038	2,230	28,042	30,378	94,872	1363,778	196,543	29,624	
Agriculture, forestry, and animal husbandry..	298,258	64,063	142,621	90,384	214	976	15,669	14,852	40,694	131,579	81,926	13,538	
Dairy farm laborers.....	1,078	289	527	259	2	1	134	120	281	430	104	9	
Dairy farmers.....	2,105	378	731	996	.....	.....	9	73	928	943	152	.....
Ditchers (farm).....	802	189	210	399	.....	4	5	19	76	551	141	10
Farm foremen, general farms.....	1,494	401	768	325	.....	.....	22	199	895	319	59	59
Farm laborers (home farm).....	43,797	12,544	28,906	2,295	24	28	10,929	7,531	14,371	10,149	642	175	
Farm laborers (working out).....	55,534	15,117	28,684	11,417	41	275	4,016	6,041	15,443	21,704	6,983	1,347	
Farmers, general farms.....	170,904	30,870	76,606	63,146	119	163	421	7,999	85,662	66,168	10,654	44	
Fishermen and oystermen.....	631	121	178	308	.....	24	10	10	59	314	194	44
Florists, fruit growers, and nurserymen.....	456	113	124	212	1	1	3	13	159	223	58	58	
Garden laborers.....	853	191	363	301	1	2	95	67	123	271	208	94	
Gardeners.....	2,322	585	769	958	7	3	3	87	748	1,092	392	35	
Greenhouse, orchard, and nursery laborers.....	512	120	181	210	.....	1	22	23	58	226	148	35
Lumbermen, raftsmen, and woodchoppers:													
Teamsters and haulers.....	1,057	252	328	458	2	17	38	40	152	534	278	15	
Other lumbermen, raftsmen, and woodchoppers.....	13,047	1,775	2,700	8,116	14	442	306	437	1,410	7,303	3,276	315	
Owners and managers of log and timber camps.....	414	109	116	181	.....	8	.....	.....	22	215	160	17
Stock herders, drovers, and feeders.....	719	269	329	119	1	1	100	83	204	245	78	9	
Stock raisers.....	1,486	438	693	413	1	1	4	63	739	593	82	82	
All other occupations.....	1,042	297	468	271	1	5	14	19	61	506	371	71	
Extraction of minerals.....	14,975	972	1,891	12,106	6	.....	188	371	1,424	10,137	2,727	128
Foremen and overseers.....	574	77	109	388	.....	.....	.....	2	20	322	215	6
Iron mine operatives.....	13,066	545	1,327	11,192	2	.....	163	326	1,255	9,096	2,148	30
Quarry operatives.....	593	120	192	248	3	.....	22	28	72	269	150	22
All other occupations.....	772	230	293	273	1	.....	3	15	68	450	216	20

¹ Includes 824 males of unknown age.

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.						
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.	
		Native parentage.	Foreign or mixed parentage.										
MALES—Continued.													
Manufacturing and mechanical industries.....	180,607	41,598	67,346	70,190	1,020	453	4,947	6,866	21,770	94,169	46,168	6,687	
Apprentices to building and hand trades:													
Machinists' apprentices ¹	587	173	348	66	.....	.....	283	153	130	19	2	.....
Other apprentices to building and hand trades.....	514	180	287	47	.....	.....	306	85	79	40	4	.....
Apprentices, other.....	955	337	546	69	2	1	588	202	118	46	1	.....
Bakers.....	1,461	259	457	743	2	.....	37	76	242	820	261	25
Blacksmiths.....	4,473	588	1,378	2,489	5	13	.....	43	205	2,241	1,719	265
Boiler makers.....	1,527	310	660	544	4	.....	.....	44	200	980	285	18
Brick and stone masons.....	3,166	419	918	1,807	18	4	.....	30	181	1,486	1,185	284
Builders and building contractors.....	2,809	706	913	1,189	1	.....	.....	.....	55	1,406	1,195	153
Cabinetmakers.....	1,202	91	223	886	2	.....	.....	19	88	586	405	104
Carpenters.....	21,968	3,958	7,319	10,642	22	27	59	207	1,453	11,321	7,603	1,325	
Compositors, linotypers, and typesetters.....	2,875	998	1,384	489	4	.....	64	151	478	1,583	545	54
Coopers.....	430	66	137	225	2	.....	1	8	34	155	173	59
Cranemen, derrickmen, hoistmen, etc.....	979	223	388	368	.....	.....	4	13	101	673	180	8
Electricians.....	4,246	1,529	2,006	703	6	2	.....	268	1,032	2,523	406	17
Engineers (stationary).....	5,494	1,008	2,142	1,720	13	11	16	47	417	2,941	1,879	194	
Firemen (except locomotive and fire department).....	2,325	526	828	940	30	1	35	62	276	1,245	642	65	
Foremen and overseers (manufacturing).....	3,800	1,045	1,420	1,331	2	2	.....	31	220	2,264	1,201	84
Iron molders, founders, and casters.....	1,380	239	404	658	18	1	.....	20	125	917	294	24
Jewelers and watchmakers (not in factory).....	1,555	141	286	226	1	1	.....	24	66	370	163	32
Laborers (not otherwise specified):													
Building, general, and not specified laborers.....	17,265	4,200	6,193	6,479	162	231	536	886	2,280	7,728	4,899	956	
Clay, glass, and stone industries—													
Brick, tile, and terra cotta factories.....	932	204	335	391	2	.....	39	43	135	453	219	43
Other clay, glass, and stone industries.....	594	98	204	287	4	1	20	23	73	327	133	18	
Food industries—													
Flour and grain mills.....	2,011	403	629	976	2	1	47	77	233	1,131	470	53	
Slaughter and packing houses.....	3,088	733	869	1,328	158	.....	174	262	629	1,517	467	39
Other food industries.....	784	195	335	245	8	1	84	73	128	335	149	15	
Helpers in building and hand trades.....	1,117	222	458	427	10	.....	79	80	162	497	266	33
Iron and steel industries—													
Blast furnaces and steel rolling mills ²	1,266	156	293	772	42	3	31	52	163	732	263	25	
Car and railroad shops.....	1,157	189	397	568	3	.....	09	70	136	476	340	60
Other iron and steel industries.....	2,974	507	993	1,452	21	1	96	161	409	1,502	725	81	
Lumber and furniture industries—													
Saw and planing mills ³	3,275	547	1,024	1,618	1	85	215	199	472	1,469	784	136	
Other lumber and furniture industries.....	682	147	260	252	3	.....	61	41	104	268	151	37
Paper and pulp mills.....	1,020	188	325	488	19	.....	52	66	157	494	232	19
Textile industries.....	578	134	204	218	22	.....	22	37	85	290	120	24
Other industries.....	5,095	1,108	1,858	2,079	47	3	380	356	748	2,340	1,133	138	
Machinists.....	10,653	2,714	4,759	3,147	32	1	.....	480	1,973	6,223	1,813	164
Managers and superintendents (manufacturing).....	3,783	1,074	1,455	654	.....	.....	.....	27	173	2,414	1,110	59
Manufacturers.....	3,109	847	1,100	1,159	3	.....	.....	5	83	1,548	1,202	181
Mechanics (not otherwise specified).....	6,750	2,306	3,195	1,189	49	11	.....	346	1,075	4,059	601	69
Millers (grain, flour, feed, etc.).....	1,185	307	443	435	.....	.....	.....	7	70	580	408	60
Millwrights.....	780	193	271	314	.....	.....	.....	10	28	390	204	58
Officials (manufacturing).....	964	461	341	162	.....	.....	.....	1	24	472	411	56
Painters, glaziers, varnishers (building).....	5,599	1,365	1,870	2,347	14	3	25	54	326	3,093	1,820	281	
Painters, glaziers, varnishers (factory).....	1,187	239	393	553	2	.....	26	37	110	651	324	39
Plasterers and cement finishers.....	1,800	242	341	705	11	1	.....	13	65	779	391	52
Plumbers and gas and steam fitters.....	3,735	971	1,869	887	6	2	.....	84	531	2,392	691	37
Pressmen and plate printers (printing).....	530	142	296	92	.....	.....	.....	97	348	84	1	.....
Sawyers.....	551	137	219	184	3	8	.....	24	69	288	155	15
Semiskilled operatives (not otherwise specified):													
Cigar and tobacco factories.....	626	84	291	250	1	.....	13	3	46	354	179	31
Clay, glass, and stone industries.....	842	169	369	302	2	.....	27	31	95	512	160	17
Clothing industries.....	583	80	177	319	7	.....	27	30	89	336	85	16
Food industries—													
Butter, cheese, and condensed milk factories.....	1,364	355	716	292	1	.....	37	52	214	896	160	5
Flour and grain mills.....	1,526	360	591	575	.....	.....	23	47	191	911	332	22
Slaughter and packing houses.....	2,202	589	836	748	119	.....	104	196	445	1,212	312	23
Other food industries.....	791	233	359	196	3	.....	171	81	121	311	99	8
Harness and saddle industries.....	856	155	355	345	.....	1	9	16	58	388	329	56
Iron and steel industries—													
Automobile factories.....	700	217	358	125	.....	.....	18	37	136	420	87	2
Blast furnaces and steel rolling mills ²	793	156	301	328	8	.....	21	37	142	452	120	12
Car and railroad shops.....	3,769	508	1,176	2,079	5	1	57	141	460	2,104	903	104	
Ship and boat building.....	798	163	296	337	2	.....	24	39	125	497	107	6
Other iron and steel industries.....	2,153	494	918	731	10	.....	127	146	358	1,066	406	50
Lumber and furniture industries—													
Furniture factories.....	620	117	238	264	1	.....	36	33	78	275	173	25
Saw and planing mills ³	1,520	239	570	687	.....	24	86	75	197	960	452	50
Other lumber and furniture industries.....	509	134	196	177	2	.....	40	26	77	230	119	17
Printing, publishing, and engraving.....	764	179	415	169	1	.....	142	101	111	309	95	6
Shoe factories.....	1,174	230	621	321	1	1	132	121	220	542	142	17	
Textile industries.....	666	151	258	243	14	.....	52	48	120	316	109	21
Other industries.....	5,175	1,230	2,179	1,724	38	4	360	327	830	2,603	951	104	
Shoemakers and cobblers (not in factory).....	1,635	129	244	1,255	6	1	24	24	66	646	634	241	
Stonecutters.....	598	108	198	290	2	.....	.....	21	66	320	166	25
Tailors.....	2,228	111	227	1,861	26	3	3	14	111	1,104	822	174	
Tinsmiths and sheet metal workers.....	1,740	391	826	521	2	.....	.....	67	260	990	368	55
Upholsterers.....	434	66	155	212	1	.....	20	15	57	231	97	14
All other occupations.....	3,661	916	1,443	1,289	12	1	45	141	479	2,072	804	120	

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

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.
		Native parentage.	Foreign or mixed parentage.									
MALES—Continued.												
Transportation.....	64,977	19,504	25,860	19,178	329	106	1,418	2,249	8,354	34,185	16,594	2,177
Baggage men and freight agents.....	492	191	231	70	—	—	—	28	56	257	140	11
Boiler washers and engine hostlers.....	597	136	219	216	25	1	40	43	102	240	155	17
Brakemen.....	2,536	1,088	1,186	258	3	1	—	70	520	1,728	192	26
Chauffeurs.....	3,343	1,135	1,553	585	57	13	119	275	908	1,804	225	12
Conductors (steam railroad).....	1,895	809	801	224	—	1	—	3	22	1,220	609	41
Conductors (street railroad).....	1,322	399	527	396	—	—	1	23	290	819	179	10
Draymen, teamsters, and expressmen ¹	9,381	3,076	4,087	2,138	54	26	304	440	1,406	4,562	2,371	298
Foremen and overseers (steam railroad).....	2,237	384	698	1,154	—	1	—	6	76	1,074	1,007	74
Foremen and overseers (other transportation industries).....	968	284	372	307	3	2	—	7	65	534	335	27
Garage keepers and managers.....	1,332	466	670	191	2	3	—	9	137	908	264	14
Inspectors (steam railroad).....	912	184	284	444	—	—	1	5	52	532	301	21
Laborers:												
Garage.....	624	205	330	70	19	—	58	72	155	277	59	8
Road and street building and repairing.....	2,744	558	822	1,325	28	11	58	84	253	1,098	980	271
Steam railroad.....	11,118	1,722	3,133	6,148	84	31	871	479	1,131	4,759	3,809	569
Other transportation industries.....	1,045	202	271	565	7	—	24	37	126	404	305	89
Livery stable keepers and managers.....	569	191	236	135	1	6	—	6	32	262	221	48
Locomotive engineers.....	3,595	1,251	1,602	742	6	2	—	—	90	2,313	1,100	92
Locomotive firemen.....	2,373	1,019	1,392	454	6	2	—	147	839	1,745	1,130	12
Longshoremen and stevedores.....	691	45	87	557	2	—	4	4	37	377	252	17
Mail carriers.....	2,671	935	1,291	427	15	3	52	45	267	1,438	771	98
Motor men (street railroad).....	1,360	344	486	530	—	—	—	7	88	1,013	240	12
Officials and superintendents (steam railroad).....	912	395	344	173	—	—	—	4	24	444	408	32
Proprietors and managers of transfer companies.....	648	229	274	142	3	—	—	1	31	380	213	23
Railway mail clerks.....	718	263	375	77	3	—	—	17	50	477	162	12
Switchmen and flagmen (steam railroad).....	3,154	1,157	1,384	608	4	1	9	39	318	1,877	747	164
Telegraph and telephonelinemen.....	1,288	480	653	155	—	—	29	92	324	734	103	6
Telegraph operators.....	1,438	646	663	129	—	—	23	76	330	757	234	18
Ticket and station agents.....	792	354	361	77	—	—	2	19	100	443	218	10
All other occupations.....	3,722	1,296	1,528	881	13	4	328	211	525	1,649	864	145
Trade.....	87,761	27,650	37,301	22,487	237	86	2,406	2,327	9,294	45,816	25,022	2,806
Bankers and bank officials.....	3,560	1,233	1,881	446	—	—	—	—	340	2,184	913	123
Clerks in stores ²	5,593	1,624	2,931	1,006	14	18	606	619	1,372	2,229	958	81
Commercial brokers and commission men.....	6,997	336	240	121	—	—	—	4	38	393	233	29
Commercial travelers.....	6,145	2,685	2,438	1,020	1	1	—	37	508	3,703	1,753	144
Deliverymen.....	3,762	1,114	1,680	952	14	2	277	270	628	1,952	695	36
Floorwalkers and foremen in stores.....	529	148	213	167	—	1	—	7	40	262	205	15
Inspectors, gaugers, and samplers.....	445	126	170	149	—	—	—	10	52	221	140	22
Insurance agents.....	2,137	970	789	376	2	—	—	16	176	1,155	650	131
Laborers (coal yards).....	719	149	215	337	16	2	11	13	72	392	215	16
Laborers (elevators).....	665	138	219	306	2	—	9	22	67	390	169	8
Laborers (lumber yards).....	1,671	318	529	722	1	1	57	67	240	731	409	67
Laborers (stock yards and warehouses).....	909	247	346	294	22	—	40	58	165	408	165	13
Laborers, porters, and helpers in stores.....	2,344	519	909	813	102	1	205	152	312	1,015	596	64
Meat cutters.....	605	121	274	210	—	—	5	23	75	358	131	13
Newsboys.....	636	238	300	97	1	—	509	19	9	28	11	—
Packers, wholesale and retail trade.....	510	112	203	193	2	—	28	18	63	225	152	24
Proprietors, officials, and managers (elevators).....	864	276	421	167	—	—	—	5	25	448	358	32
Real estate agents and officials.....	4,296	1,793	1,632	855	4	2	—	103	1,773	2,102	313	—
Retail dealers ³	27,200	6,143	11,205	9,780	36	30	30	160	1,410	14,278	10,204	1,118
Sales agents.....	1,051	421	454	176	—	—	—	18	98	640	267	28
Salesmen (stores).....	18,761	6,876	8,514	3,333	11	27	642	758	3,230	10,361	3,438	332
Stockbrokers.....	625	364	188	73	—	—	—	53	372	179	21	—
Undertakers.....	403	124	212	64	3	—	—	6	35	228	114	20
Wholesale dealers, importers, and exporters.....	1,509	659	501	347	1	1	—	5	47	798	595	64
All other occupations.....	2,225	916	837	467	5	—	17	30	141	1,212	733	92
Public service (not elsewhere classified).....	11,220	2,923	4,148	4,071	51	27	61	214	798	4,623	4,516	1,008
Firemen (fire department).....	1,449	384	790	275	—	—	—	7	141	945	336	20
Guards, watchmen, and doorkeepers.....	1,639	365	468	789	13	4	5	14	46	895	881	298
Laborers (public service).....	2,240	267	447	1,510	16	—	21	51	111	699	985	373
Marshals, sheriffs, detectives, etc.....	629	166	290	169	3	1	—	4	21	234	537	33
Officials and inspectors (city and county).....	1,262	358	537	367	—	—	—	37	481	621	123	—
Officials and inspectors (state).....	435	157	186	92	—	—	—	29	202	180	24	—
Policemen.....	1,360	297	604	440	5	14	—	2	32	696	582	48
Postmasters.....	583	178	269	130	2	4	—	17	216	301	47	—
Soldiers, sailors, and marines ⁴	865	452	289	120	—	4	25	132	317	300	30	1
United States officials (except postmasters).....	487	239	182	66	—	—	—	33	296	136	22	—
All other occupations.....	271	60	86	113	12	—	10	2	14	90	127	19
Professional service.....	24,307	9,981	9,183	4,999	108	36	135	329	2,410	13,890	6,459	1,084
Architects.....	411	178	148	83	2	—	—	—	27	269	101	14
Chemists, assayers, and metallurgists.....	402	152	169	81	—	—	—	—	88	262	49	3
Civil engineers and surveyors.....	1,538	745	582	207	1	3	—	—	233	975	282	45
Clergymen.....	3,108	585	927	1,574	14	8	—	—	90	1,450	1,337	231
College presidents and professors ⁵	785	407	227	151	—	—	—	—	27	528	211	19
Dentists.....	1,522	659	745	111	7	—	—	—	173	1,038	287	24
Draftsmen.....	796	284	393	118	1	—	—	58	250	424	61	13
Editors and reporters.....	734	397	219	115	2	1	—	—	78	374	230	33
Electrical engineers.....	442	224	145	73	—	—	—	—	51	313	73	5
Lawyers, judges, and justices.....	2,589	1,306	1,006	266	9	2	—	—	51	1,353	959	226
Mechanical engineers.....	454	208	173	72	—	1	—	—	46	294	104	10

¹ 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.

² Many of the "Clerks in stores" probably are "Salesmen."

³ Includes, also, managers and superintendents of retail stores.

⁴ Includes only those resident in continental United States at the date of the enumeration.

⁵ Probably includes some teachers in schools below collegiate rank.

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.						
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.	
		Native parentage.	Foreign or mixed parentage.										
MALES—Continued.													
Professional service—Continued.													
Musicians and teachers of music.....	1,242	439	456	314	32	1	27	57	229	682	212	35	
Photographers.....	694	219	260	213	1	1	14	23	71	370	192	24	
Physicians and surgeons.....	2,090	1,220	978	484	7	1	.....	.....	39	1,538	952	161
Showmen.....	365	161	141	57	3	3	9	24	78	210	39	5	
Teachers (school).....	2,602	1,189	1,113	294	4	2	12	75	470	1,612	382	51	
Theatrical owners, managers, and officials.....	419	150	188	79	2	.....	.....	4	43	269	100	3
Veterinary surgeons.....	442	183	178	80	1	.....	.....	.....	16	267	123	36
All other occupations.....	3,072	1,275	1,135	627	22	13	65	77	350	1,662	775	143	
Domestic and personal service.....	25,482	6,240	7,548	9,199	1,970	525	638	564	2,172	12,616	7,964	1,528	
Barbers, hairdressers, and manicurists.....	4,131	1,438	1,663	918	108	4	43	81	463	2,050	840	54	
Billiard and pool room keepers.....	953	231	391	318	5	8	.....	2	71	594	260	26
Boarding and lodging house keepers.....	512	117	140	251	4	.....	.....	1	12	185	261	53
Charmen and cleaners.....	516	178	70	265	3	.....	6	4	19	206	208	73
Elevator tenders.....	698	173	207	288	30	.....	21	29	56	235	265	92
Hotel keepers and managers.....	1,332	392	462	463	10	5	.....	4	27	557	651	93
Janitors and sextons.....	4,454	783	986	2,457	223	5	46	31	105	1,339	2,270	654	
Laborers (domestic and professional service).....	734	171	246	299	10	8	20	45	135	285	202	47	
Laundry operatives.....	617	167	171	141	17	121	30	15	62	330	165	15	
Porters (steam railroad).....	513	34	11	14	454	.....	2	6	20	308	162	9
Porters (except steam railroad and in stores).....	655	95	90	152	316	2	21	17	51	355	178	33	
Restaurant, café, and lunch room keepers.....	1,530	350	586	531	9	54	.....	6	110	901	412	35
Servants.....	4,712	1,206	1,394	1,773	226	113	335	199	561	2,349	1,098	170	
Waiters.....	1,602	300	306	442	496	58	56	78	202	929	251	26	
All other occupations.....	2,523	605	825	887	59	147	58	46	206	1,333	732	148	
Clerical occupations.....	35,360	12,791	17,427	5,018	103	21	2,490	2,606	7,656	16,763	5,167	678	
Accountants and auditors.....	2,226	905	952	368	.....	1	.....	36	268	1,409	457	56
Agents.....	3,863	1,642	1,689	630	2	.....	22	48	372	2,263	1,055	103
Bookkeepers and cashiers.....	6,551	2,324	3,387	828	4	8	156	440	1,760	3,344	733	118	
Canvassers.....	275	117	107	50	1	.....	11	3	32	116	98	15
Clerks (except clerks in stores).....	19,665	6,795	9,881	2,898	80	11	1,150	1,733	4,705	9,090	2,040	341	
Collectors.....	446	186	172	87	1	.....	18	25	73	166	128	36
Messenger, bundle, and office boys ¹	1,410	489	808	101	14	.....	1,084	180	77	42	23	4
Stenographers and typists.....	924	333	533	56	1	1	49	141	369	327	33	5	
FEMALES.....													
Agriculture, forestry, and animal husbandry.....	9,618	1,657	4,320	3,600	9	32	902	565	929	2,485	3,827	910	
Farm laborers (home farm).....	3,014	741	1,877	393	2	1	797	431	636	805	257	28	
Farm laborers (working out).....	860	232	486	136	3	3	92	122	222	290	108	17	
Farmers, general farms.....	4,996	564	1,685	2,735	3	9	.....	.....	43	1,109	3,088	756
All other occupations.....	748	120	272	336	1	19	13	12	28	212	374	109	
Extraction of minerals (all occupations).....	19	.....	4	15	.....	.....	1	.....	3	13	2	.....
Manufacturing and mechanical industries.....	23,395	5,353	13,727	4,148	147	20	2,178	2,500	5,322	10,126	3,031	238	
Compositors, linotypers, and typesetters.....	331	125	186	20	.....	.....	14	38	119	145	15	.....
Dressmakers and seamstresses (not in factory).....	5,487	1,136	3,174	1,109	59	9	36	125	550	3,122	1,531	123	
Forewomen and overseers (manufacturing).....	423	100	267	56	.....	.....	.....	25	97	261	30	1
Laborers (not otherwise specified).....	1,707	432	900	342	28	5	274	296	404	527	137	9	
Milliners and millinery dealers.....	1,962	576	1,167	216	2	1	67	110	431	1,084	248	10	
Semiskilled operatives (not otherwise specified):													
Clothing industries—													
Suit, coat, cloak, and overall factories.....	720	111	418	187	4	.....	42	72	190	342	69	5
Other clothing industries.....	2,088	426	1,201	449	10	2	129	148	471	1,040	286	14	
Food industries—													
Bakeries.....	404	91	232	81	.....	.....	105	71	98	105	24	1
Candy factories.....	876	218	592	66	.....	.....	227	197	248	187	17	.....
Other food industries.....	652	153	383	116	.....	.....	104	124	194	199	29	2
Printing, publishing, and engraving.....	839	206	555	77	1	.....	136	169	272	245	25	2
Shoe factories.....	718	168	499	50	1	.....	121	116	210	238	29	4
Textile industries—													
Knitting mills.....	1,449	284	881	282	2	.....	115	196	523	568	44	3
Other textile industries.....	922	187	529	205	1	.....	141	151	265	279	67	29
Other industries.....	3,753	892	2,263	564	31	3	568	613	1,047	1,250	263	12	
Tailoresses.....	416	60	163	186	7	.....	4	9	52	254	92	5
All other occupations.....	648	188	317	142	1	.....	95	44	91	280	126	12
Transportation.....	5,515	1,319	3,180	403	9	4	787	1,073	2,014	1,530	124	7	
Telegraph operators.....	513	197	285	31	.....	.....	42	88	214	150	19	.....
Telephone operators.....	4,606	1,622	2,738	241	3	2	709	966	1,730	1,156	43	2	
All other occupations.....	396	100	157	131	6	2	16	19	70	224	62	5	
Trade.....	16,670	5,350	9,468	1,803	45	4	1,608	2,054	4,437	6,950	1,528	93	
Clerks in stores ¹	4,640	1,431	2,798	392	16	3	655	784	1,458	1,554	184	5	
Retail dealers ¹	1,230	322	552	351	5	.....	2	26	77	630	446	49
Saleswomen (stores).....	9,439	3,122	5,428	877	11	1	873	1,167	2,627	4,133	821	18	
All other occupations.....	1,361	475	690	183	13	.....	78	77	275	633	277	21

¹ Except telegraph messengers.² Includes 243 females of unknown age.³ Many of the "Clerks in stores" probably are "Saleswomen."⁴ Includes, also, managers and superintendents of retail stores.

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

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.
		Native parentage.	Foreign or mixed parentage.									
FEMALES—Continued.												
Public service (not elsewhere classified).....	554	228	287	38	1	.....	2	19	110	319	95	9
Postmistresses.....	302	118	165	19	.....	.....	.....	19	72	157	49	5
All other occupations.....	252	110	122	19	1	.....	2	.....	38	162	46	4
Professional service.....	31,175	13,086	16,093	1,934	51	11	354	2,204	11,264	14,700	2,482	171
Artists, sculptors, and teachers of art.....	343	168	141	33	1	.....	13	23	71	161	69	6
College presidents and professors ¹	304	168	121	15	.....	.....	.....	.....	40	210	40	5
Librarians.....	386	205	157	22	2	.....	.....	13	60	209	89	6
Musicians and teachers of music.....	1,787	819	833	106	3	1	37	96	409	993	212	20
Photographers.....	288	97	136	33	2	.....	22	27	85	112	20	2
Religious, charity, and welfare workers.....	645	281	231	131	2	.....	2	7	91	394	134	17
Teachers (school).....	20,837	8,868	11,143	859	6	6	165	1,541	8,187	9,629	1,307	53
Trained nurses.....	4,496	1,574	2,421	493	4	4	24	325	1,811	2,093	227	16
All other occupations.....	2,079	906	905	242	26	.....	91	172	492	899	384	41
Domestic and personal service.....	44,638	9,738	22,573	11,279	934	114	3,687	4,444	9,715	17,681	8,025	1,086
Barbers, hairdressers, and manicurists.....	521	181	221	81	38	.....	19	21	119	316	42	4
Boarding and lodging house keepers.....	2,010	475	774	740	19	2	.....	2	37	839	994	138
Hotel keepers and managers.....	360	104	135	120	.....	1	.....	.....	8	163	168	21
Housekeepers and stewardesses.....	6,413	1,334	3,275	1,709	69	26	.....	277	901	2,997	1,828	352
Janitors and sextons.....	364	38	102	196	28	.....	4	5	19	177	143	16
Laundresses (not in laundry).....	2,333	300	732	1,168	109	24	38	43	131	998	999	124
Laundry operatives.....	1,860	338	1,010	434	22	6	215	205	421	740	264	15
Nurses (not trained).....	2,638	870	1,264	533	9	3	.....	80	431	1,359	710	102
Restaurant, café, and lunch room keepers.....	357	101	164	83	8	1	.....	5	30	203	115	4
Servants.....	22,609	4,601	12,085	5,345	536	42	2,868	2,993	5,860	8,153	2,454	281
Waitresses.....	4,330	1,196	2,499	597	32	6	526	768	1,567	1,369	96	4
All other occupations.....	793	141	312	273	64	3	17	39	131	367	214	25
Clerical occupations.....	32,482	11,509	18,950	1,954	61	8	2,190	4,953	12,441	11,983	875	40
Accountants and auditors.....	349	174	154	21	.....	.....	.....	46	102	176	24	1
Agents, canvassers and collectors.....	360	167	157	34	2	.....	13	16	75	181	64	11
Bookkeepers and cashiers.....	8,342	2,909	4,900	516	5	3	378	987	3,053	3,626	294	4
Clerks (except clerks in stores).....	9,002	3,366	5,061	548	25	2	748	1,424	3,306	3,208	297	19
Messenger, bundle, and office girls ²	431	131	254	44	2	.....	236	73	75	41	5	1
Stenographers and typists.....	13,998	4,762	8,415	791	27	3	815	2,407	5,830	4,751	191	4

¹ Probably includes some teachers in schools below collegiate rank.² Except telegraph messengers.

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

CLASS OF POPULATION.	Aggregate.	MARRIED.						Single, widowed, divorced, and unknown.
		Total.	15 to 19 years.	20 to 24 years.	25 to 34 years.	35 to 44 years.	45 years and over. ¹	
All classes.....	163,366	20,170	413	2,665	6,650	5,562	4,880	143,196
Native white—Native parentage.....	48,559	6,292	183	1,064	2,197	1,601	1,247	42,267
Native white—Foreign or mixed parentage.....	88,219	8,339	182	1,259	3,112	2,193	1,593	79,880
Foreign-born white.....	25,130	4,921	37	265	1,112	1,550	1,048	20,218
Negro.....	1,256	553	7	70	202	192	82	703
Indian.....	185	60	3	6	25	17	9	125
Chinese, Japanese, and all other.....	8	5	1	1	2	.....	1	3

¹ Includes age unknown.

SUPPLEMENTAL TABLES FOR INDIAN POPULATION.

AGE, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	INDIANS.									AGE PERIOD.	INDIANS.								
	Number: 1920			Per cent: 1920			Per cent: 1910				Number: 1920			Per cent: 1920			Per cent: 1910		
	Total.	Male.	Fe- male.	Total.	Male.	Fe- male.	Total.	Male.	Fe- male.		Total.	Male.	Fe- male.	Total.	Male.	Fe- male.	Total.	Male.	Fe- male.
All ages.....	8,761	4,424	4,337	100.0	100.0	100.0	100.0	100.0	100.0	20 to 44 years.....	2,640	1,349	1,291	30.1	30.5	29.8	30.2	29.9	30.6
Under 5 years.....	1,354	665	689	15.5	15.0	15.9	14.2	13.9	14.5	45 years and over...	1,747	892	855	19.9	20.2	19.7	18.2	17.3	19.1
Under 1 year.....	294	144	150	3.4	3.3	3.5	3.1	2.8	3.4	Age unknown.....	27	14	13	0.3	0.3	0.3	0.1	0.2	0.1
5 to 9 years.....	1,252	643	609	14.3	14.5	14.0	13.9	14.2	13.6										
10 to 14 years.....	981	495	486	11.2	11.2	11.2	12.8	13.7	11.8	18 to 44 years.....	2,934	1,489	1,445	33.5	33.7	33.3	34.5	34.3	34.7
15 to 19 years.....	700	366	394	8.7	8.3	9.1	10.5	10.8	10.3	21 years and over...	4,277	2,178	2,099	48.8	49.2	48.4	46.6	45.3	48.0

SCHOOL ATTENDANCE, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			AGE PERIOD.	INDIANS: 1920			INDIANS: 1910		
	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.
5 to 20 years, inclusive.....	3,130	1,533	49.0	3,548	2,384	67.2	7 to 13 years.....	1,537	1,052	68.4	1,656	1,346	81.3
Male.....	1,581	713	45.1	1,866	1,249	66.9	14 and 15 years.....	343	216	63.0	412	349	84.7
Female.....	1,549	820	52.9	1,682	1,135	67.5	16 and 17 years.....	308	120	39.0	376	267	71.0
5 and 6 years.....	511	80	15.7	546	210	38.5	18 to 20 years.....	431	65	15.1	558	212	38.0

ILLITERACY, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			AGE PERIOD.	INDIANS: 1920			INDIANS: 1910		
	Total number.	Illiterate.		Total number.	Illiterate.			Total number.	Illiterate.		Total number.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.			Number.	Per cent.		Number.	Per cent.
10 years and over	6,155	1,968	32.0	6,508	2,614	40.2	21 years and over	4,277	1,799	42.1	4,221	2,323	55.2
Male.....	3,116	882	28.3	3,290	1,162	35.3	Male.....	2,178	785	36.0	2,075	1,006	48.5
Female.....	3,039	1,086	35.7	3,218	1,452	45.1	Female.....	2,099	1,014	48.3	2,146	1,322	61.6
10 to 20 years	1,878	169	9.0	2,287	286	12.5							
Male.....	938	97	10.3	1,215	156	12.8							
Female.....	940	72	7.7	1,072	130	12.1							

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

COUNTY.	TOTAL INDIANS.				INDIANS 10 YEARS OF AGE AND OVER.			INDIANS 21 YEARS OF AGE AND OVER.			
	Both sexes.	Per cent of total population.	Male.	Female.	Total number.	Illiterate.		Male.		Female.	
						Number.	Per cent.	Total number.	Number illiterate.	Total number.	Number illiterate.
The state.....	8,761	0.4	4,424	4,337	6,155	1,968	32.0	2,178	785	2,099	1,014
Becker.....	1,694	7.4	843	851	1,168	250	21.4	407	109	404	136
Beltrami.....	1,580	5.8	807	773	1,109	418	37.7	385	157	399	243
Carlton.....	430	2.2	233	197	324	54	16.7	118	23	97	27
Cass.....	1,022	6.4	500	522	727	261	35.9	268	120	268	135
Clearwater.....	357	4.2	184	173	233	92	39.5	72	32	79	53
Cook.....	186	10.1	74	112	137	58	42.3	47	22	62	35
Itasca.....	443	1.9	235	213	311	129	41.5	123	62	103	62
Mahnomen.....	1,405	22.7	713	692	962	211	21.9	337	94	290	93
Mille Lacs.....	278	2.0	142	136	199	168	84.4	62	48	68	60
Pine.....	198	0.9	109	89	146	59	40.4	49	18	43	30
Redwood.....	137	0.7	73	64	97	8	(1)	40	8	29	5
St. Louis.....	459	0.2	238	226	333	144	43.2	117	58	112	77
All other counties ¹	567	(²)	278	289	409	116	28.4	153	42	145	58

¹ Per cent not shown where base is less than 100.² Comprises those counties in which there are fewer than 100 Indians.³ Less than one-tenth of 1 per cent.

AGRICULTURE—MINNESOTA.

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.

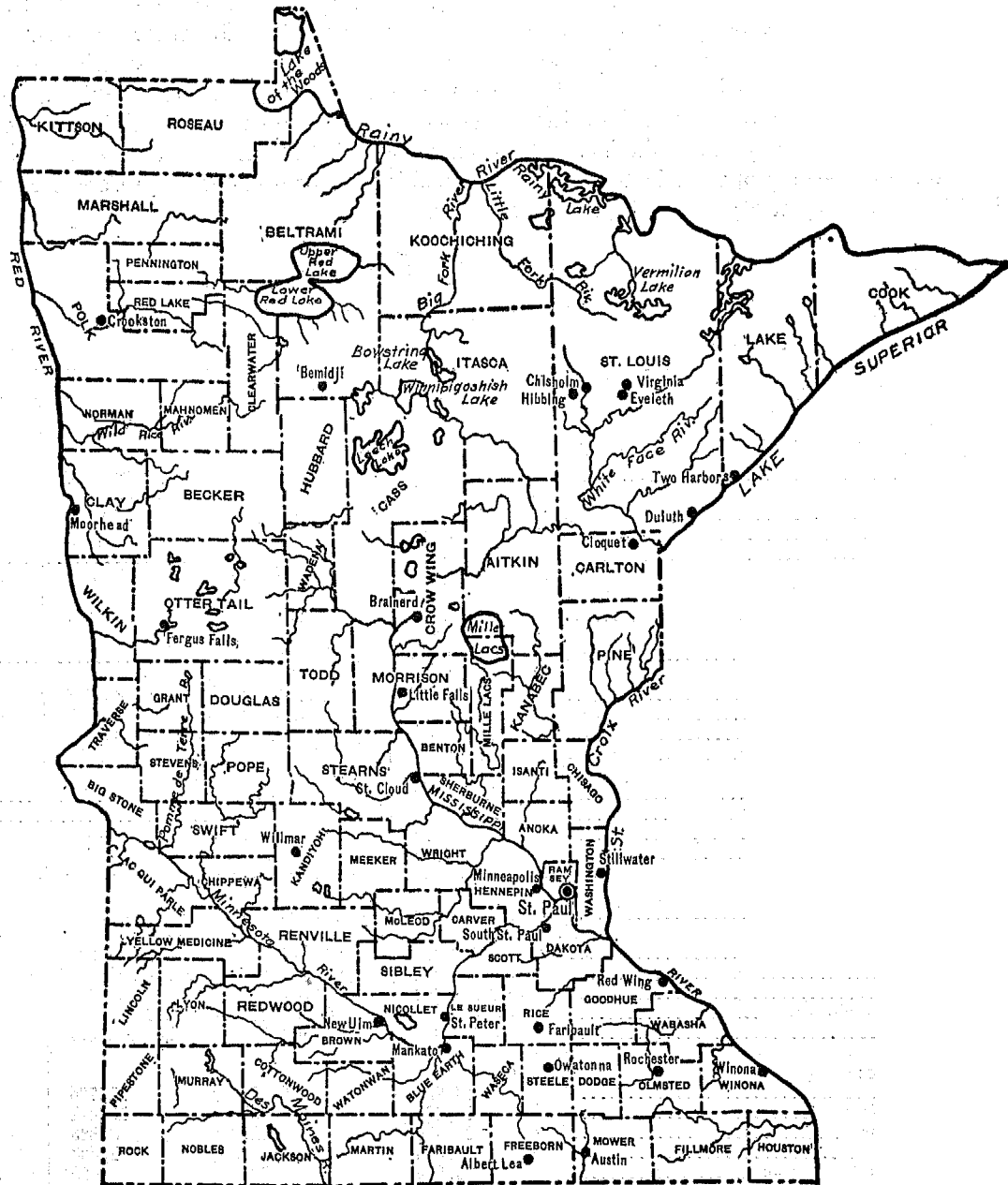
TABLE 1.—SUMMARY: 1920 AND 1910.

ITEM.	1920 (January 1)	1910 (April 15)	INCREASE, ¹	
			Amount.	Per cent.
Population, total.....	2,387,125	2,075,708	311,417	15.0
Rural ²	1,335,532	1,225,414	110,118	9.0
Urban.....	1,051,593	850,294	201,299	23.7
Per cent rural.....	55.9	59.0		
Number of farms.....	178,478	156,137	22,341	14.3
Approximate land area of the state.....acres..	51,749,120	51,749,120		
All land in farms.....acres..	30,221,758	27,675,823	2,545,935	9.2
Improved land in farms.....acres..	21,481,710	19,643,533	1,838,177	9.4
Woodland in farms.....acres..	4,482,656	3,922,391	560,265	14.3
Other unimproved land in farms.....acres..	4,257,392	4,109,899	147,493	3.6
Per cent of land area in farms.....	58.4	53.5		
Per cent of farm land improved.....	71.1	71.0		
Average acreage per farm.....	169.3	177.3	-8.0	-4.5
Average improved acreage per farm.....	120.4	125.8	-5.4	-4.3
Value of all farm property.....	\$3,787,420,118	\$1,476,411,737	\$2,311,008,381	156.5
Land and buildings.....	3,301,163,325	1,262,441,426	2,038,726,899	161.5
Land alone.....	2,750,328,432	1,019,102,027	1,731,226,405	169.9
Buildings.....	550,839,893	243,339,399	307,500,494	126.4
Implements and machinery.....	181,087,968	52,329,165	128,758,803	246.1
Live stock.....	305,163,825	161,641,146	143,522,679	88.8
Average value per farm:				
All farm property.....	21,221	9,456	11,765	124.4
Land and buildings.....	18,496	8,085	10,411	128.8
Land alone.....	15,410	6,527	8,883	136.1
Buildings.....	3,086	1,558	1,528	98.1
Implements and machinery.....	1,015	335	680	203.0
Live stock.....	1,710	1,035	675	65.2
Average value per acre of land in farms:				
All farm property.....	125.32	53.35	71.97	134.9
Land and buildings.....	109.23	45.62	63.61	139.4
Land alone.....	91.00	36.82	54.18	147.1
Buildings.....	18.23	8.79	9.44	107.4
Implements and machinery.....	5.99	1.89	4.10	216.9
Live stock.....	10.10	5.84	4.26	72.9

¹ A minus sign (—) denotes decrease.

² Population residing outside of incorporated places having 2,500 inhabitants or over. The rate of increase in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 1,203,792. For this territory, the increase in population between 1910 and 1920 was 10.9 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- prov- ed.
	Num- ber.	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.....	178,478	14.3	30,221,758	9.2	21,481,710	9.4	58.4	71.1
1910.....	159,137	1.0	27,675,823	5.4	19,043,533	6.6	53.5	71.0
1900.....	154,659	32.4	26,248,498	40.6	18,442,585	65.7	50.7	70.3
1890.....	116,851	26.5	18,663,045	39.2	11,127,953	53.6	36.1	59.6
1880.....	92,386	98.7	13,403,019	106.7	7,246,693	212.1	25.9	54.1
1870.....	46,500	155.8	6,483,828	139.1	2,322,102	317.4	12.5	35.8
1860.....	18,181	.....	2,711,908	.....	556,250	.....	5.2	20.5
1850.....	157	.....	28,881	.....	5,035	.....	0.1	17.4

¹ Per cent not shown when more than 1,000.

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

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Per cent of increase. ¹	Value.	Per cent of increase. ¹	Value.	Per cent of increase. ¹	Value.	Per cent of increase. ¹
1920.....	\$3,787,420,118	159.5	\$3,301,168,325	161.5	\$181,087,968	246.1	\$335,163,825	88.8
1910.....	1,470,411,737	87.2	1,262,441,426	88.6	52,329,165	73.9	161,641,146	81.5
1900.....	788,694,642	90.2	668,522,315	90.9	30,099,230	77.9	89,093,097	54.3
1890.....	414,701,026	73.7	340,059,470	75.5	10,910,473	29.2	57,725,683	80.9
1880.....	238,718,664	139.3	193,724,260	147.5	13,089,783	143.4	31,004,821	98.2
1870.....	99,749,922	210.1	78,277,954	184.6	6,370,895	428.1	10,095,073	341.8
1860.....	32,166,946	.....	27,505,622	.....	1,018,183	.....	3,642,841	.....
1850.....	270,788	.....	161,948	.....	15,981	.....	92,859	.....

¹ Per cent not shown when more than 1,000.

² Computed gold values, being 80 per cent of the currency values reported.

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

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

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Improved land.	All farm property.	Land and buildings.	Implements and machinery.	Live stock.
1920.....	169.3	120.4	\$21,221	\$18,496	\$1,015	\$1,710
1910.....	177.3	125.8	9,456	8,085	335	1,035
1900.....	169.7	119.2	5,100	4,329	195	576
1890.....	159.7	95.2	3,549	2,910	145	494
1880.....	145.1	78.4	2,584	2,097	142	345
1870.....	139.4	49.9	2,145	1,683	116	346
1860.....	149.2	30.6	1,769	1,513	50	200
1850.....	183.0	32.1	1,725	1,032	102	591

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.	Implements and machinery.	Live stock.
1920.....	\$125.32	\$109.23	\$91.00	\$18.23	\$5.99	\$10.10
1910.....	53.35	45.62	36.82	8.79	1.89	5.84
1900.....	30.05	25.51	21.31	4.20	1.15	3.39
1890.....	22.22	18.22	.....	.....	0.91	3.09
1880.....	17.81	14.45	.....	.....	0.98	2.38
1870.....	15.38	12.07	.....	.....	0.83	2.48
1860.....	11.86	10.14	.....	.....	0.38	1.34
1850.....	9.38	5.61	.....	.....	0.55	3.22

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	Num-ber.	Per cent.	1920	1910
Total.....	178,478	156,137	22,341	14.3	100.0	100.0
Under 20 acres.....	6,160	5,019	541	9.6	3.5	3.6
Under 3 acres.....	340	294	46	15.6	0.2	0.2
3 to 9 acres.....	2,800	2,855	245	9.6	1.6	1.6
10 to 19 acres.....	3,020	2,770	250	9.0	1.7	1.8
20 to 49 acres.....	14,111	12,028	2,083	17.3	7.9	7.7
50 to 99 acres.....	32,743	26,571	6,172	23.2	18.3	17.0
100 to 174 acres.....	65,793	55,424	10,369	18.7	36.9	35.5
175 to 499 acres.....	56,353	52,836	3,517	6.7	31.6	33.8
175 to 259 acres.....	31,108	27,972	3,136	11.2	17.4	17.0
260 to 499 acres.....	25,245	24,864	381	1.5	14.1	15.9
500 to 999 acres.....	3,046	3,359	-313	-9.3	1.7	2.2
1,000 acres and over.....	272	300	-28	-9.3	0.2	0.2

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.....	178,478	156,137	154,659	116,851	92,386
Under 10 acres.....	3,140	2,849	2,549	812	610
10 to 19 acres.....	3,020	2,770	2,254	1,210	952
20 to 49 acres.....	14,111	12,028	13,278	9,742	8,003
50 to 99 acres.....	32,743	26,571	30,990	26,163	25,530
100 to 499 acres.....	122,146	108,260	102,258	77,048	56,376
500 to 999 acres.....	3,046	3,359	2,065	1,594	741
1,000 acres and over.....	272	300	365	282	145
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	1.8	1.8	1.6	0.7	0.7
10 to 19 acres.....	1.7	1.8	1.5	1.0	1.0
20 to 49 acres.....	7.9	7.7	8.6	8.3	8.7
50 to 99 acres.....	18.3	17.0	20.0	22.4	27.6
100 to 499 acres.....	68.4	69.3	66.1	65.9	61.0
500 to 999 acres.....	1.7	2.2	1.9	1.4	0.8
1,000 acres and over.....	0.2	0.2	0.2	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.....	30,221,758	27,675,823	21,481,710	19,643,533	\$3,301,168,325	\$1,262,441,426
Under 20.....	54,918	40,878	42,061	30,373	25,993,609	14,224,838
20 to 49.....	520,468	435,933	289,773	244,221	64,661,234	28,066,718
50 to 99.....	2,539,514	2,055,944	1,559,948	1,258,358	286,331,943	106,823,204
100 to 174.....	9,502,408	8,031,778	6,489,189	5,245,521	1,063,975,693	355,727,207
175 to 499.....	15,279,791	14,515,821	11,393,210	10,910,810	1,668,275,582	653,616,766
500 to 999.....	1,916,545	2,118,081	1,433,303	1,617,491	163,622,735	85,672,938
1,000 and over.....	408,114	463,358	274,227	327,759	28,307,426	17,409,755

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

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910
Total.....	71.1	71.0	\$18,496	\$8,085	\$109.23	\$45.62
Under 20 acres.....	76.6	78.9	4,220	2,532	473.32	285.19
20 to 49 acres.....	55.7	56.0	4,582	2,408	124.24	66.44
50 to 99 acres.....	61.4	61.2	8,745	4,020	112.75	51.90
100 to 174 acres.....	68.3	68.3	16,172	0,418	111.97	44.29
175 to 499 acres.....	74.0	75.2	29,604	12,371	109.18	45.03
500 to 999 acres.....	74.8	76.4	53,717	25,505	85.37	40.45
1,000 acres and over.....	67.2	70.0	104,071	58,033	69.36	37.17

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	Num-ber.	Per cent.	1920	1910
Total.....	178,478	156,137	22,341	14.3	100.0	100.0
Owners.....	132,744	122,104	10,640	8.7	74.4	78.2
Owning entire farm.....	112,880	99,493	13,387	13.5	63.2	63.7
Hiring additional land.....	19,864	22,611	-2,747	-12.1	11.1	14.5
Managers.....	1,596	1,222	374	30.6	0.9	0.8
Tenants.....	44,138	32,811	11,327	34.5	24.7	21.0
Share tenants.....	18,976	18,471	505	2.7	10.6	11.8
Share-cash tenants.....	8,375	3,774	4,601	121.9	4.7	2.4
Cash tenants.....	15,251	7,918	7,333	92.6	8.5	5.1
Unspecified.....	1,536	2,648	-1,112	-42.0	0.9	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.....	178,478	156,137	154,659	116,851	92,386
Farms operated by owners.....	132,744	122,104	126,809	101,747	83,933
Owning entire farm.....	112,880	99,493	112,004	(²)	(²)
Hiring additional land.....	19,864	22,611	14,805	(²)	(²)
Farms operated by managers.....	1,596	1,222	1,095	(²)	(²)
Farms operated by tenants.....	44,138	32,811	26,755	15,104	8,453
Share tenants.....	18,976	18,471	21,626	11,083	7,202
Share-cash tenants.....	8,375	3,774			
Cash tenants.....	15,251	7,918	5,129	3,421	1,251
Unspecified.....	1,536	2,648			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	74.4	78.2	82.0	87.1	90.9
Owning entire farm.....	63.2	63.7	72.4	(²)	(²)
Hiring additional land.....	11.1	14.5	9.6	(²)	(²)
Operated by managers.....	0.9	0.8	0.7	(²)	(²)
Operated by tenants.....	24.7	21.0	17.3	12.9	9.1
Share and share-cash.....	15.3	14.2	14.0	10.0	7.8
Cash and unspecified.....	9.4	6.8	3.3	2.9	1.4

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.....	30,221,758	27,675,823	21,481,710	19,643,533	\$3,301,168,325	\$1,262,441,426
Owners.....	21,014,164	20,688,885	14,254,641	14,153,505	2,191,751,054	920,359,347
Managers.....	443,089	413,734	283,869	285,241	50,234,658	20,909,251
Tenants.....	8,764,505	6,593,204	6,943,200	5,204,787	1,059,182,613	321,172,828

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

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	74.4	78.2	69.5	74.7	66.4	72.1	66.4	72.9
Managers.....	0.9	0.8	1.5	1.5	1.3	1.5	1.5	1.7
Tenants.....	24.7	21.0	29.0	23.8	32.3	26.5	32.1	25.4

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.....	169.3	177.3	120.4	125.8	71.1	71.0	\$18,496	\$8,085	\$103.23	\$45.62
Owners.....	158.3	169.3	107.4	115.9	67.8	68.5	16,511	7,538	104.30	44.53
Managers.....	277.6	338.6	177.9	233.4	64.1	68.9	31,475	17,111	113.37	50.54
Tenants.....	198.6	200.9	157.3	158.6	79.2	78.9	23,997	9,789	120.85	48.71

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.....	178,478	30,221,758	21,461,710	\$3,301,168,325	169.3	120.4	\$18,496
Male.....	172,897	29,374,213	20,897,095	3,211,148,061	169.9	120.9	18,573
Female.....	5,581	847,545	564,615	90,019,064	151.9	104.8	16,130
Owners.....	132,744	21,014,184	14,254,841	2,191,751,054	158.3	107.4	16,511
Male.....	127,554	20,234,955	13,718,794	2,108,943,447	158.6	107.6	16,534
Female.....	5,190	779,209	535,847	82,807,607	160.1	103.2	15,955
Managers.....	1,596	443,089	283,869	50,234,658	277.6	177.9	31,475
Male.....	1,585	442,095	283,186	50,109,538	278.9	178.9	31,615
Female.....	11	994	683	125,120	90.4	62.1	11,375
Tenants.....	44,138	8,764,505	6,943,860	1,059,182,613	198.6	157.3	23,997
Male.....	43,758	8,697,163	6,896,115	1,052,095,676	198.8	157.6	24,044
Female.....	380	67,342	48,085	7,086,937	177.2	126.5	18,650

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.....	178,478	156,137	30,221,758	21,461,710	\$3,301,168,325
White farmers.....	178,271	155,844	30,201,479	21,474,366	3,300,302,223
Native.....	110,966	74,710	19,302,288	14,212,197	2,236,634,189
Foreign-born.....	67,305	81,134	10,899,191	7,262,169	1,063,668,034
Country of birth:					
Austria.....	2,246	3,385	334,023	213,625	31,274,511
Canada.....	2,527	3,583	450,359	303,884	40,423,521
Denmark.....	3,126	3,432	474,032	346,781	58,404,114
England.....	655	944	110,105	77,347	12,649,950
Finland.....	4,708	(2)	480,152	171,802	23,207,380
Germany.....	14,731	22,011	2,621,023	1,919,510	304,625,472
Holland.....	1,610	733	291,601	226,574	41,044,395
Ireland.....	634	1,556	128,552	97,069	14,004,989
Norway.....	14,925	19,206	2,691,753	1,846,802	237,794,295
Poland.....	1,380	1,161	206,483	120,500	15,942,876
Russia.....	671	700	116,777	85,277	13,004,791
Sweden.....	16,934	19,760	2,414,893	1,491,989	213,184,855
Switzerland.....	433	499	79,155	59,386	8,962,109
Other countries.....	2,724	4,114	431,223	301,763	49,155,276
Colored farmers.....	207	293	20,279	7,344	866,102
Negro.....	33	29	2,357	1,143	134,670
Indian.....	174	264	17,922	6,201	731,432

¹ Includes farmers with country of birth not reported, as follows: For 1920, 2,924; for 1910, 182.
² Included with "other countries."

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.....	178,478	156,137	110,966	74,710	67,305	81,134	207	293
Owners.....	132,744	122,104	74,871	52,427	57,696	69,488	177	194
Managers.....	1,596	1,222	1,227	887	868	353	1	2
Tenants.....	44,138	32,811	34,868	21,445	9,241	11,293	29	97

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.	
			Number.	Percent.	1920	1910
	1920	1910				
Total.....	132,744	122,104	10,640	8.7	100.0	100.0
Free from mortgage.....	54,080	65,038	-10,958	-16.8	40.7	53.3
Mortgaged.....	69,545	56,145	13,400	23.9	52.4	46.0
Unknown.....	9,113	921	8,192	89.5	6.9	0.8

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.....	132,744	122,104	125,405	99,911	100.0	100.0	100.0	100.0
Free from mortgage.....	54,080	65,038	66,922	53,504	40.7	53.3	53.4	53.6
Mortgaged.....	69,545	56,145	54,338	40,347	52.4	46.0	43.3	46.4
Unknown.....	9,113	921	4,145	.....	6.9	0.8	3.3	.....

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.....	57,585	41,775	15,810	37.8
Value of land and buildings.....	\$925,963,060	\$295,016,775	\$630,947,285	213.9
Amount of mortgage debt.....	\$254,476,222	\$77,866,283	\$176,609,939	226.8
Ratio of debt to value, per cent..	27.5	26.4	.....	.....
Average rate of interest paid, per cent.	5.8	.....	.....	.....
Average value per farm.....	\$16,080	\$7,062	\$9,018	127.7
Average debt per farm.....	\$4,419	\$1,864	\$2,555	137.1
Average equity per farm.....	\$11,661	\$5,198	\$6,463	124.3

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.....	111,697	94,934	16,763	17.7	62.6	60.8
Fertilizer.....	8,031	1,436	1,595	111.1	1.7	0.9
Feed.....	100,630	58,551	41,979	71.7	56.3	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.....	\$49,811,218	\$22,330,149	\$27,481,069	123.1
Amount in cash.....	36,450,774	16,678,777	19,776,997	118.6
Value of rent and board furnished.....	13,360,444	5,656,372	7,704,072	136.2
Fertilizer.....	432,680	74,653	358,027	479.6
Feed.....	22,940,650	5,041,925	17,898,725	355.0

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 Minnesota the number of "dairy cows," including heifers 1 year old and over, reported for January 1, 1920, was 1,532,458, as compared with 1,085,388 "cows kept for milk" reported for April 15, 1910. This represents an increase of 447,070, or 41.2 per cent. The number of "beef cows" reported for January 1, 1920, was 364,600, as compared with 218,948 "cows not kept for milk" re-

ported for April 15, 1910, representing an increase of 145,652, or 66.5 per cent. The percentage of increase shown for dairy cows would doubtless have been even larger, except for the change in classification mentioned above, and the percentage of increase shown for beef cows correspondingly smaller.

Farms reporting domestic animals: 1910.—Horses were reported by 142,846 farms in Minnesota in 1910, mules by 2,813 farms, cattle by 146,703, sheep by 24,565, and swine by 108,609. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in Minnesota increased from 156,137 in 1910 to 178,478 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.....	173,034	96.9		\$293,373,818	
Horses, total.....	167,344	93.8	932,794	83,027,777	\$89.01
Colts under 1 year of age.....	33,730	18.9	46,587	1,611,883	34.00
Colts 1 year old and under 2 years.....	41,628	23.3	60,272	3,208,237	53.23
Mares 2 years old and over....	147,811	82.8	432,615	41,379,905	95.65
Geldings 2 years old and over....	145,525	81.5	389,347	35,839,369	92.05
Stallions 2 years old and over....	3,180	1.8	3,973	988,323	248.76
Mules, total.....	5,014	2.8	10,238	1,062,973	103.83
Mule colts under 1 year of age....	732	0.4	1,055	54,741	51.89
Mule colts 1 year old and under 2 years.....	601	0.3	1,030	83,009	80.59
Mules 2 years old and over....	3,735	2.1	8,153	925,223	113.48
Asses and burros.....	156	0.1	201	26,794	133.30
Cattle, total.....	168,286	94.3	3,021,469	151,243,703	50.06
Beef cattle, total.....	68,379	38.3	940,842	42,804,768	45.50
Calves under 1 year of age....	39,815	22.0	248,319	4,775,966	19.23
Heifers 1 year old and under 2 years.....	24,581	13.8	112,417	3,910,497	34.79
Cows and heifers 2 years old and over.....	26,701	15.0	252,183	10,674,261	66.12
Steers 1 year old and under 2 years.....	39,109	21.9	182,242	6,751,472	37.05
Steers 2 years old and over....	19,542	10.9	120,020	8,131,150	67.41
Bulls 1 year old and over....	21,612	12.1	25,061	2,561,422	102.21
Dairy cattle, total.....	146,889	82.3	2,080,627	108,438,935	52.12
Calves under 1 year of age....	109,048	61.1	479,210	8,465,455	17.67
Heifers 1 year old and under 2 years.....	93,760	52.5	303,279	10,435,873	34.41
Cows and heifers 2 years old and over.....	144,048	81.2	1,229,179	83,888,246	68.25
Bulls 1 year old and over....	63,365	35.5	68,969	5,649,361	81.92
Sheep, total.....	24,238	13.6	509,064	5,748,518	11.29
Lambs under 1 year of age....	14,398	8.1	136,685	1,238,905	9.06
Ewes 1 year old and over....	22,077	12.4	351,691	4,173,216	11.87
Rams 1 year old and over....	9,863	5.5	14,073	266,009	18.90
Wethers 1 year old and over....	1,076	0.6	6,015	70,388	10.64
Goats, total.....	690	0.4	2,745	18,180	6.62
Kids under 1 year of age, raised for fleeces.....	106	0.1	292	1,558	5.34
Goats 1 year old and over, raised for fleeces.....	214	0.1	758	6,106	8.06
All other goats.....	508	0.3	1,695	10,516	6.20
Swine, total.....	144,411	80.9	2,380,862	52,245,873	21.94
Pigs under 6 months old.....	50,697	31.8	627,745	6,324,023	10.07
Sows and gilts for breeding, 6 months old and over.....	108,895	61.0	617,538	18,576,917	30.07
Boars for breeding, 6 months old and over.....	43,270	24.2	52,486	2,136,561	40.76
All other hogs, 6 months old and over.....	81,276	45.5	1,083,143	25,208,372	23.27

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

ITEM.	FARMS REPORT- ING, 1920.		NUMBER REPORTED. ¹		Value, 1920	Aver- age value, 1920
	Num- ber.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.	164,507	92.2	13,663,443	² 10,697,075	\$11,405,427	\$0.83
Chickens.....	163,818	91.8	13,212,019	10,293,843	10,450,950	0.79
Turkeys.....	23,789	13.3	142,896	147,335	441,322	3.09
Ducks.....	26,087	14.6	122,579	94,269	148,426	1.21
Geese.....	34,237	19.2	146,906	105,181	344,523	2.35
Guinea fowls.....	2,393	1.3	10,503	10,927	7,147	0.68
Pigeons.....	1,775	1.0	27,940	45,286	7,059	0.25
Hives of bees.	9,665	5.4	67,344	56,677	384,580	5.71

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)	Num- ber.	Per cent.
Horses:				
Total, excluding spring colts re- ported for 1910.....	932,794	738,578	194,216	26.3
Colts under 1 year old on Jan. 1 of census year.....	40,587	63,069	-16,482	-20.1
Horses 1 year old and over on Jan. 1 of census year.....	886,207	675,509	210,698	31.2
Mules:				
Total, excluding spring colts re- ported for 1910.....	10,238	5,657	4,581	81.0
Mule colts under 1 year old on Jan. 1 of census year.....	1,055	444	611	137.0
Mules 1 year old and over on Jan. 1 of census year.....	9,183	5,213	3,970	76.2
Cattle:				
Total, excluding spring calves re- ported for 1910.....	3,021,469	1,973,898	1,047,571	53.1
Calves under 1 year old on Jan. 1 of census year.....	727,529	531,517	196,012	36.9
Cows and heifers 1 year old and over on Jan. 1 of census year.....	1,897,058	1,304,336	592,722	45.4
Steers and bulls 1 year old and over on Jan. 1 of census year.....	396,882	138,045	258,837	187.5
Sheep:				
Total, excluding spring lambs re- ported for 1910.....	509,064	452,071	56,993	12.6

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)	Num- ber.	Per cent.
Total.	36,801	50,412	.....	.....	.....	.....
Horses.	20,641	33,212	56,746	83,654	-26,908	-32.2
Horses 1 year old and over on Jan. 1 of census year.....	.....	.....	55,884	82,340	-26,456	-32.1
Mules.	449	301	1,306	1,017	289	28.4
Mules 1 year old and over on Jan. 1 of census year.....	.....	.....	1,270	977	293	30.0
Asses and burros.	35	68	51	100	-49	-49.0
Cattle.	24,008	29,673	55,986	53,946	2,040	3.8
Cattle 1 year old and over on Jan. 1 of census year.....	.....	.....	48,886	43,739	5,147	11.8
Sheep.	433	216	6,973	2,162	4,811	222.5
Goats.....	122	176	306	373	-67	-18.0
Swine.	7,608	2,490	33,339	10,365	22,974	221.6

¹ A minus sign (—) denotes decrease.

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

CLASS.	Total.	On farms.	Not on farms.
Horses.	939,540	932,794	56,746
Horses 2 years old and over.....	880,649	825,935	54,714
Mules.	11,544	10,238	1,306
Mules 2 years old and over.....	9,347	8,163	1,184
Asses and burros.	252	201	51
Cattle.	3,077,455	3,021,469	55,986
Beef cattle.....	950,859	940,842	10,017
Dairy cattle.....	2,126,596	2,080,627	45,969
Dairy cows.....	1,205,304	1,220,179	36,155
Sheep.	516,037	509,064	6,973
Goats.....	3,051	2,745	306
Swine.	2,414,201	2,380,862	33,339

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.....	144,948	81.2	1,229,179	Head	.....
On farms reporting milk produced.....	115,805	64.9	982,699	Head	.....
On farms not reporting milk produced.....	29,143	16.3	246,580	Head	.....
Average production of milk per dairy cow, 1919.....			354	Gals.	.....
Specified dairy products:					
Milk, as reported.....1919.			388,217,369	Gals.	.....
.....1909.			273,319,603	Gals.	.....
Increase, 1909-1919.....			114,897,766	Gals.	.....
Per cent of increase.....			42.0		.....
Total production of milk, including estimates.....1919.			475,506,689	Gals.	.....
Butter made.....1919.	92,897	52.0	20,205,076	Lbs.	\$10,345,233
.....1909.	85,001	54.4	34,708,669	Lbs.	\$8,593,233
Cheese made.....1919.	571	0.3	71,820	Lbs.	\$27,296
.....1909.	354	0.2	106,075	Lbs.	\$14,375
Milk sold.....1919.	12,955	7.3	43,151,896	Gals.	\$11,583,626
.....1909.	15,632	10.0	53,181,785	Gals.	\$6,146,512
Cream sold.....1919.	19,488	10.9	5,888,538	Gals.	\$7,380,909
.....1909.	17,161	11.0	5,756,165	Gals.	\$3,542,993
Butter fat sold.....1919.	103,050	57.7	82,412,061	Lbs.	\$48,533,294
.....1909.	48,658	31.2	40,414,151	Lbs.	\$10,922,293
Butter sold.....1919.	24,168	13.5	4,392,185	Lbs.	\$2,270,269
.....1909.	43,577	27.9	18,016,409	Lbs.	\$4,591,554
Value of milk, cream, and butter fat sold, and of butter and cheese made ².....1919.					\$77,870,358
.....1909.					\$29,219,406
Increase, 1909-1919.....					\$48,650,952
Per cent of increase.....					166.5
Receipts from sale of dairy products ³.....1919.					\$69,768,098
.....1909.					\$25,214,222
Increase, 1909-1919.....					\$44,553,876
Per cent of increase.....					176.7

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 \$10,370.

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.....	24,238	509,064			
On farms reporting wool.....	17,456	400,022			
On farms not reporting wool.....	6,782	109,042			
Sheep of shearing age ¹ on farms Apr. 15, 1910.....	24,482	452,071			
Wool produced, as reported, total.....1919.	17,947		339,834	2,488,907	\$1,279,908
On farms reporting sheep.....	17,456		320,793	2,398,977	\$1,234,237
On farms not reporting sheep.....	491		18,041	89,930	\$45,671
Total production of wool, including estimates.....1919.				3,054,834	\$1,557,736
.....1909.				3,259,282	\$816,866
Increase, 1909-1919 ²				-204,898	\$740,870
Per cent of increase ²				-6.3	90.7
Goats raised for fleeces, on farms Jan. 1, 1920.....	241	1,050			
Mohair produced, as reported, total.....1919.	188		879	2,956	\$1,520
.....1909.	131			6,929	\$1,987

¹ Sheep born before Jan. 1, 1910.

² A minus sign (—) denotes decrease.

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

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

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	163,818	91.8	13,212,619	.....
On farms reporting eggs produced.....	149,780	83.9	12,310,792	.....
On farms reporting chickens raised.....	133,174	74.6	11,446,888	.....
Fowls on farms Apr. 15, 1910.....	142,659	91.4	10,697,075	.....
Eggs produced, as reported.....1919.	150,854	84.5	56,420,490	\$20,373,724
Total production ² of eggs, including estimates.....1919.			60,249,543	21,689,835
.....1909.			53,807,974	9,767,410
Eggs sold, as reported.....1919.	134,608	75.4	37,639,899	13,531,653
.....1909.	116,514	74.6	34,347,776	6,212,270
Chickens raised, as reported.....1919.	134,052	75.1	13,149,873	10,318,502
Total chickens raised, including estimates.....1919.			15,062,386	11,748,661
.....1909.			11,882,787	4,714,919
Chickens sold, as reported.....1919.	92,289	51.7	5,022,749	3,975,196
.....1909.	78,699	50.4	3,704,433	1,796,502

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.....	9,665	67,844		
On farms reporting honey.....	6,455	52,607		
On farms not reporting honey.....	3,209	14,737		
Bees on farms Apr. 15, 1910.....	9,522	56,677		
Honey produced.....1919.	6,520		1,251,102	\$362,821
.....1909.	5,852		976,262	120,500
Wax produced.....1919.			15,470	0.034
.....1909.			16,880	4.067

CROPS.

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

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

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

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

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.					
	Number.		Per cent of all farms.		1919	1909	Per cent of increase. ¹	Quantity.			Value.		
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase. ¹	1919	1909
All crops													
With acreage reports					216,362,070	14,727,447	11.1					\$508,020,238	\$186,705,605
With no acreage reports												10,949,444	2,340,416
Cereals, total ²					11,298,103	10,139,850	11.4					302,729,120	140,804,148
Corn	121,511	113,061	68.1	72.4	2,330,838	2,004,008	18.8	Bu.	239,802,305	259,148,531	-7.5	110,221,931	30,510,145
Oats	140,876	118,692	73.9	76.0	3,429,079	2,977,258	15.2	Bu.	84,786,090	67,897,051	24.9	60,831,124	34,023,389
Wheat, total	113,491	93,049	63.6	59.6	3,793,402	3,270,911	15.8	Bu.	89,108,151	93,807,717	-5.1	88,308,508	56,007,435
Winter	7,329	3,560	4.1	2.3	108,451	69,036	57.1	Bu.	37,616,384	67,094,412	-34.1	3,207,594	1,199,810
Spring	113,461		63.6		3,684,951	3,207,875	14.9	Bu.	1,361,932	1,216,695	12.2	85,100,914	54,807,625
Emmer and spelt	1,227	3,108	0.7	2.0	8,805	30,391	-71.2	Bu.	36,251,452	65,877,717	-35.1	240,210	338,841
Barley	61,877	85,081	36.4	54.9	814,381	1,573,761	-48.3	Bu.	178,008	757,339	-76.5	18,561,350	17,213,817
Rye	40,500	18,777	22.7	12.0	649,009	266,567	143.7	Bu.	14,849,069	24,927,773	-57.5	12,902,500	2,679,987
Buckwheat	3,172	1,516	1.8	1.0	26,022	10,309	152.4	Bu.	8,362,940	4,426,028	88.9	466,449	89,058
Mixed crops ³	9,741		5.5		193,864			Bu.	321,688	144,861	122.1	5,037,894	
Other grains and seeds with acreage reports, total ⁴					294,231	363,904	-19.2	Bu.	4,579,897				
Dry edible beans	3,217	4,587	1.8	2.9	4,735	4,697	0.8	Bu.	2,083,337	3,355,239	-37.9	9,168,435	5,006,942
Soy beans	417		0.2		731			Bu.	50,471	62,822	-19.7	219,550	124,966
Dry peas	520	530	0.3	0.3	925	835	10.8	Bu.	2,909			16,013	
Flaxseed	20,458	23,010	11.5	14.7	288,240	358,426	-19.6	Bu.	10,493	14,964	-29.0	47,320	18,384
Seeds with no acreage reports, total ⁵								Bu.	2,019,464	3,277,288	-38.4	8,885,642	4,863,328
Red clover seed	6,930		3.9					Bu.	545,591	845,680	-42.3	5,778,876	1,503,083
Other clover and alfalfa seed	1,031		0.6					Bu.	109,348			3,171,092	
Timothy seed	8,504	10,282	4.8	6.0				Bu.	22,266	48,029	-174.0	601,182	326,527
Other grass seed	15		(?)					Bu.	358,982	876,467	-59.0	1,866,601	1,150,120
Millet seed	500	277	0.3	0.2				Bu.	300	809	-62.9	1,200	929
Hay and forage, total ⁶	165,597	138,880	92.8	88.9	5,029,397	3,946,152		Tons.	54,715	20,371	168.6	136,801	18,860
All tame or cultivated grasses					1,798,946	1,815,250	-0.9	Tons.	9,291,671	6,037,527		115,665,984	26,730,202
Timothy alone	37,232	45,100	20.9	28.9	514,658	780,375	-34.0	Tons.	2,815,436	2,885,987	-2.4	47,515,465	15,470,800
Timothy and clover mixed	66,111	51,047	37.0	34.6	938,045	829,600	13.1	Tons.	656,023	1,101,510	-40.4	11,152,391	5,913,196
Clover alone	11,336	6,846	6.4	4.4	96,202	57,358	67.7	Tons.	1,543,144	1,433,075	7.7	26,233,448	7,915,659
Alfalfa	9,138	568	5.1	0.4	45,410	2,288		Tons.	173,853	106,384	63.5	2,955,501	572,799
Other tame grasses ⁷	16,802		9.4		204,631	145,629	40.5	Tons.	115,327	6,314		2,594,879	44,540
Wild, salt, or prairie grasses	97,622	84,552	54.7	54.2	2,225,271	1,988,664	11.9	Tons.	327,089	238,751	37.0	4,579,246	1,024,606
Small grains cut for hay	9,412		5.3		89,399			Tons.	2,734,495	2,714,121	0.8	34,181,204	9,609,031
Annual legumes cut for hay	658	2,775	0.4	1.8	6,110	19,981	377.8	Tons.	105,859	31,080	272.5	1,482,026	143,120
Silage crops	24,516		13.7		282,675			Tons.	9,826			16,57,216	
Corn cut for forage ⁸	64,895	36.4			614,538	121,658		Tons.	2,200,973			10,570,318	
Kafir, sorghum, etc., for forage	993		0.6		6,410			Tons.	1,375,982	402,010		15,135,802	1,474,693
Root crops for forage	4,765		2.7		6,018	599	904.7	Tons.	16,675			126,776	
Vegetables, total									32,425	4,349	645.6	470,178	32,408
Potatoes (Irish or white)	135,611	132,492	76.0	84.9	331,930	223,662	48.4	Bu.	26,690,056	26,802,948	-0.4	68,912,550	11,044,391
Sweet potatoes and yams	12	15	(?)	(?)	2	(¹⁰)		Bu.	191	50		57,383,621	7,685,280
Other vegetables ¹¹	9,683	103,490	5.4	66.3	14,652	46,021						2,223,305	3,359,052
Farm garden ¹²	145,559		81.6									9,306,128	
Miscellaneous crops, total													
Tobacco	232	188	0.1	0.1	455	150	203.3	Lbs.	517,605	173,321	198.6	621,755	249,522
Sorghum grown for sirup	3,617	3,661	2.0	2.3	1,974	1,070	18.2	Tons.	8,639	12,887	-32.8	98,347	20,554
Sugar beets grown for sugar	426	783	0.2	0.5	3,509	2,197	59.7	Tons.	26,507	28,786	7.4	185,922	80,718
Maple sugar and sirup	752	698	0.4	0.4								255,070	116,472
Hemp	20		(?)		293			Lbs.	195,119			38,521	23,862
Ginseng	8	23	(?)	(?)	7	(¹⁰)		Lbs.	2,048	(¹⁰)		20,268	
Sundry minor crops ¹⁴					7	13						14,336	7,640
Fruits, total													
Small fruits	27,449		15.4		5,008	3,738	34.0	Qts.	6,165,120	4,476,576	37.7	3,145,513	1,307,377
Other fruits												1,316,594	493,406
												1,828,919	15,813,971

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 614,593 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

³ Includes small quantities of kafir and milo (1919 and 1909) and of rough rice (1909).

⁴ Principally oats and wheat grown and harvested together.

⁵ The 1909 figures include small quantities of peanuts and broom-corn seed.

⁶ The total value for 1909 includes the value of a small quantity 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.

⁷ Less than one-tenth of 1 per cent.

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 Reported in small fractions.

¹¹ The 1919 figures represent vegetables raised for sale only.

¹² In 1909 the value of the farm garden was largely included in the value of "other vegetables."

¹³ Quantity not reported.

¹⁴ These crops comprise broom corn (1919 and 1909) and hops (1909).

¹⁵ Includes the value of a small quantity of nuts.

The combined acreage of crops harvested in Minnesota in 1919 for which the acreage was reported was 16,362,970, which represents 76.2 per cent of the total improved land in farms (21,481,710 acres). The total crop acreage reported for 1909 was 14,727,447, or 75 per cent of the improved land in farms (19,643,533 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 70,336 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 live stock, and the value of live-stock products sold.

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

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

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

CROP.	1919	1909	1899	1889	1879
Corn.....	2,380,838	2,004,088	1,441,580	901,090	438,787
Oats.....	3,429,079	2,977,258	2,201,325	1,579,258	617,469
Wheat.....	3,793,402	3,276,911	6,580,707	3,372,627	3,044,870
Barley.....	814,351	1,573,761	877,845	358,510	116,020
Rye.....	640,009	266,587	118,869	62,869	13,614
Flaxseed.....	238,240	358,426	566,801	303,035	.....
Hay and forage.....	1 5,029,397	3,946,152	3,157,690	2,709,191	1,053,378
Potatoes.....	331,930	223,692	140,669	105,880	.....

¹ Includes 614,598 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.....	11.1	10.2	Bu....	35.6	33.0	\$46.30	\$16.22
Oats.....	16.0	15.2	Bu....	26.0	31.5	19.49	11.43
Wheat.....	17.7	18.7	Bu....	9.9	17.4	23.30	17.09
Barley.....	3.8	8.0	Bu....	18.2	22.2	22.70	10.94
Rye.....	3.0	1.4	Bu....	12.9	16.6	19.95	10.05
Flaxseed.....	1.3	1.8	Bu....	7.0	9.1	30.83	13.57
Hay and forage.....	23.4	20.1	Tons..	1.85	1.53	23.00	6.77
Potatoes.....	1.5	1.1	Bu....	80.4	119.8	172.88	84.36

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.....	9,683	5.4	14,652	\$2,223,305
Asparagus.....	157	0.1	203	41,989
Beans (green).....	764	0.4	210	33,045
Cabbages.....	3,003	1.7	3,372	442,985
Cantaloupes and muskmelons.....	472	0.3	406	82,107
Carrots.....	370	0.2	117	25,431
Corn (pop).....	130	0.1	215	20,891
Corn (sweet).....	1,945	1.1	4,853	250,955
Cucumbers.....	2,165	1.2	784	134,717
Lettuce.....	357	0.2	149	57,449
Onions.....	2,400	1.3	1,734	600,385
Peas (green).....	583	0.3	448	34,223
Rutabagas.....	191	0.1	185	25,309
Squashes.....	162	0.1	171	12,797
Tomatoes.....	1,975	1.1	730	180,470
Watermelons.....	396	0.2	154	23,847
All other vegetables.....	.....	.....	428	133,737
Mixed vegetables.....	447	0.3	403	113,068

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.....	752	0.4	Trees tapped. 52,111	.....	.....	\$38,521
..... 1919..	752	0.4	52,111	.....	.....	23,302
..... 1909..	698	0.4	67,225	.....	.....	1,195
Sugar made.....	65	(¹)	.....	3,146	Lbs..	1,742
..... 1919..	65	(¹)	.....	11,399	Lbs..	37,328
..... 1909..	694	0.4	.....	12,870	Gals..	21,920
Sirup made.....	.....	.....	.....	17,808	Gals..	.....
Sugar beets grown for sugar.....	426	0.2	Acres. 3,509	25,507	Tons..	255,070
..... 1919..	733	0.5	2,197	23,756	Tons..	116,472
..... 1909..	.....	.....	.....	.....	.....	.....
Sorghum grown for sirup.....	3,617	2.0	² 1,974	² 8,639	Tons..	.....
..... 1919..	3,661	2.3	1,670	12,857	Tons..	.....
..... 1909..	.....	.....	.....	128,227	Gals..	185,922
Sirup made.....	.....	.....	.....	145,934	Gals..	80,718

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..	27,449	15.4	5,008	6,165,120	\$1,316,594
	1909..	.....	.....	3,738	4,478,575	493,406
Strawberries.....	1919..	21,282	11.9	2,768	4,111,909	863,520
	1909..	9,420	6.0	1,873	2,730,099	268,772
Raspberries.....	1919..	8,092	4.9	1,554	1,516,041	348,690
	1909..	8	(1)	(2)	106	21
Loganberries.....	1919..	4,800	3.1	1,388	1,340,469	178,689
Raspberries and loganberries..	1909..	1,316	0.7	173	181,133	39,861
Blackberries and dewberries..	1919..	848	0.5	145	139,741	17,696
	1909..	303	0.2	130	54,258	8,141
Cranberries.....	1919..	264	0.2	61	22,112	1,981
	1909..	3,240	1.8	247	208,803	39,079
Currants.....	1919..	3,053	2.0	200	182,525	19,783
	1909..	1,296	0.7	136	92,700	16,682
Other berries.....	1919..	.....	.....	71	61,329	6,486
	1909..	.....	.....	.....	.....	.....

¹ Less than one-tenth of 1 per cent.

² Less than 1 acre.

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

FRUIT.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
	1920	1910	1920	1910		
Orchard fruits, total ¹	40,398	.....	22.6	.....	769,346	1,787,107
Apples.....	36,689	55,340	20.6	35.4	637,187	1,571,816
Peaches.....	81	185	(2)	0.1	427	3,537
Pears.....	152	440	0.1	0.3	882	4,135
Plums and prunes.....	11,730	13,265	0.6	8.5	102,920	167,926
Cherries.....	6,021	6,160	3.4	3.9	27,921	38,399
Grapes.....	1,575	1,639	0.9	1.0	11,863	35,950

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

² Less than one-tenth of 1 per cent.

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

FRUIT.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Per cent of all farms.				Quantity.			Value.	
	1920	1910	1920	1910	1920	1910	Unit.	1919	1909	1919	1909
Orchard fruits, total ¹	77,232		43.3	.....	1,830,568	1,644,590	Bu.....	1,058,042	1,066,659	\$1,814,785	\$801,112
Apples.....	73,941	59,780	41.4	38.3	1,596,264	1,380,390	Bu.....	1,028,478	1,044,156	1,748,412	769,114
Peaches.....	84	101	(2)	0.1	890	1,571	Bu.....	370	591	944	659
Pears.....	205	264	0.1	0.2	1,626	2,792	Bu.....	265	400	540	465
Plums and prunes.....	18,452	14,914	10.3	9.6	193,668	233,736	Bu.....	24,337	19,920	51,113	27,808
Cherries.....	7,280	4,207	4.1	2.7	38,120	25,130	Bu.....	4,692	1,526	13,776	2,973
Grapes.....	2,204	2,138	1.2	1.4	36,315	61,916	Lbs...	141,278	293,805	14,134	11,021

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

² 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...	178,478	150,137	132,744	122,104	1,590	1,222	44,138	32,811
Reporting age.....	178,139	150,614	131,091	121,711	1,563	1,213	43,485	32,090
Under 25 years.....	8,435	5,852	2,154	1,785	188	101	4,303	3,806
25 to 34 years.....	40,281	30,892	20,328	17,223	592	423	18,891	13,246
35 to 44 years.....	45,349	42,216	30,490	33,201	411	530	11,442	8,695
45 to 54 years.....	42,790	41,362	30,787	30,280	250	186	5,747	4,896
55 to 64 years.....	29,376	23,800	20,842	21,780	107	85	2,427	1,935
65 years and over.....	11,098	12,092	10,984	11,442	39	28	675	622
Not reporting age.....	2,359	523	1,653	393	33	9	653	121

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...	178,478	150,137	132,744	122,104	1,590	1,222	44,138	32,811
Rptg. years on farm.....	175,010	142,785	130,835	110,162	1,498	1,125	42,077	31,498
Less than 2 years.....	32,026	24,427	15,825	10,423	663	521	15,538	13,483
2 to 4 years.....	37,054	26,730	21,238	15,680	398	307	15,420	10,743
5 to 9 years.....	36,430	29,841	28,698	24,740	242	169	7,590	4,932
10 years and over.....	69,500	61,787	65,178	59,319	195	128	4,129	2,340
Not reporting.....	3,468	13,352	1,909	11,942	98	97	1,461	1,313

Cooperative marketing and purchasing.—Cooperative marketing of farm products or cooperative purchasing of supplies through farmers' organizations in 1919 was reported by 81,145 farms in Minnesota, including 26,780 farms which reported both sales and purchases,

51,534 farms which reported sales only, and 2,831 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.....	81,145	45.5	.....	.....
Marketing.....	78,314	43.9	\$82,760,459	\$1,057
Purchasing.....	29,611	16.6	6,642,162	224

Farm facilities.—Motor vehicles, telephones, water, and light on farms.—The following table indicates the extent to which the farmers of Minnesota 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.....	101,847	57.1	107,824	606
Motor trucks.....	3,677	2.1	3,803	21
Tractors.....	14,794	8.3	15,503	87
Telephones.....	110,568	62.0	.....	.....
Water piped into house.....	11,392	6.4	.....	.....
Gas or electric light.....	13,539	7.6	.....	.....

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 Minnesota in 1920 was 178,478, of which number 173,034 reported domestic animals of some kind, and 32,227 reported pure-bred live stock.

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

NOTE.—Pure-bred horses reported in Minnesota represented 0.5 per cent of all horses on farms (see Table 23); pure-bred cattle, 2.9 per cent of the total; pure-bred sheep, 1.7 per cent; and pure-bred swine, 4.2 per cent.

BREED.	Number.	BREED.	Number.
Horses, total.....	4,500	Sheep, total.....	8,729
Belgian.....	553	Dorset Horn.....	31
Clydesdale.....	249	Hampshire Down.....	323
French Draft.....	78	Leicester.....	103
German Coach.....	13	Lincoln.....	52
Percheron.....	3,148	Merino.....	44
Shire.....	65	Oxford.....	508
Standard Bred.....	20	Rambouillet.....	253
Thoroughbred.....	12	Shropshire.....	6,945
All other breeds ¹	362	Southdown.....	78
		All other breeds ¹	392
Cattle, total.....	88,696		
Beef breeds, total.....	56,028	Swine, total.....	99,443
Aberdeen Angus.....	5,398	Berkshire.....	1,472
Galloway.....	175	Chester White.....	13,875
Hereford.....	10,787	Duroc-Jersey.....	46,638
Polled Durham.....	2,415	Hampshire.....	1,906
Shorthorn.....	32,419	Poland China.....	32,208
All other beef breeds ¹	4,834	Spotted Poland China.....	27
Dairy breeds, total.....	32,668	Tamworth.....	17
Ayrshire.....	399	Yorkshire.....	1,052
Brown Swiss.....	483	All other breeds ¹	2,248
Guernsey.....	4,468		
Holstein-Friesian.....	22,830		
Jersey.....	2,508		
All other dairy breeds ¹	1,980		

¹ Includes animals reported as pure bred, with breed not specified.

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

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

ITEM.	FARMS REPORTING.		ANIMALS RAISED.	
	Number.	Per cent of all farms.	Number.	Average per farm.
Calves.....	150,710	84.4	1,047,160	6.9
Pigs.....	114,059	64.2	2,863,418	25.0
Lambs.....	14,133	7.9	214,164	15.2

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 Minnesota in 1919 has been estimated, however, at \$104,000,000, as compared with \$41,064,015, 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..	64,087	35.9	111,276	1.7	8,181,397
.....1909..	100,583	30.4	159,719	1.7	
Cattle.....1909..	47,403	30.4	79,226	1.7	8,181,397
Calves.....1909..	28,204	18.1	80,493	2.9	
Swine.....1919..	134,856	75.6	379,611	2.8	9,162,008
.....1909..	100,583	64.4	314,597	3.1	
Sheep and lambs.....1919..	5,142	2.9	12,332	2.4	132,365
.....1909..	5,418	3.5	16,231	3.0	

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..	121,511	22,763	18.7	Bushels.	Bushels.	15.7
.....1909..	113,061	21,571	19.1	84,786,096	13,325,467	15.7
Oats.....1919..	140,876	28,241	20.0	67,897,051	6,033,555	9.8
.....1909..	118,692	32,558	27.4	89,108,151	17,354,374	19.5
Barley.....1919..	64,877	19,556	30.1	93,897,717	19,033,252	20.3
.....1909..	85,681	38,777	45.3	14,849,069	5,555,400	37.4
Hay.....1919..	.....	.....	.....	Tons.	Tons.	6.1
.....1909..	.....	.....	.....	5,065,616	343,960	6.1
Potatoes.....1919..	135,611	46,355	34.2	Bushels.	Bushels.	63.6
Apples.....1919..	.....	6,989	.....	26,090,050	16,987,336	63.6
.....1909..	.....	.....	.....	1,028,478	226,672	22.0

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..	585	Gallons.
.....1909..	215	21,143
Cider made (or to be made) into vinegar.....1919..	381	11,335
Vinegar made on farms ¹.....1909..	168	5,778
Grape juice.....1919..	40	214
Wine and grape juice.....1909..	425	4,567
Dried fruits.....1919..	566	Pounds.
.....1909..	101	11,675
		2,853

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.....	63,080	71,215
Per cent of all farms.....	35.3	45.6
Value.....	\$9,067,015	\$5,181,508
Average per farm reporting.....	\$144	\$73
Forest products sold from farms (or cut and held for sale):		
Farms reporting.....	14,087	.....
Value.....	\$3,113,922	\$2,167,747
Average per farm reporting.....	\$221	.....
Forest products used on farms (or cut and held for use):		
Farms reporting.....	60,714	.....
Value.....	\$5,953,093	\$3,023,761
Average per farm reporting.....	\$98	.....

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.....	132	191
Acreage used for growing nursery stock.....	1,881	3,854
Receipts from sale of products.....	\$774,060	\$863,014
Average receipts per nursery.....	\$5,864	\$4,518
Average receipts per acre.....	\$411.52	\$228.93
Greenhouses:		
Number of farms and establishments reporting.....	247	136
Square feet under glass.....	2,758,087	1,419,196
Receipts from sale of products.....	\$1,387,168	\$609,935
Flowers and flowering plants.....	\$1,215,628	.....
Vegetables and vegetable plants.....	\$171,540	.....
Average receipts per farm or establishment.....	\$5,616	\$4,441

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

	THE STATE.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.	
ALL FARMS.									
1	Number of farms...1920.....	178,478	1,945	1,589	2,631	3,065	1,561	1,026	2,054
2	.....1910.....	150,137	1,348	1,445	2,074	1,577	1,279	861	2,941
3	.....1900.....	154,659	768	1,356	1,947	1,243	1,275	1,044	3,186
4	All farmers classified by sex, 1920:								
5	Male.....number.....	172,897	1,866	1,546	2,567	2,973	1,510	1,009	2,872
6	Female.....number.....	5,581	79	43	64	92	51	17	82
7	Color and nativity of all farmers, 1920:								
8	Native white.....number.....	110,966	892	1,053	1,433	1,573	896	637	2,297
9	Foreign-born white.....number.....	67,305	1,051	554	1,188	1,416	605	889	656
10	Negro and other nonwhite.....number.....	207	2	2	10	76			1
11	All farms classified by size, 1920:								
12	Under 3 acres.....number.....	340	2	2	1	1			5
13	3 to 9 acres.....number.....	2,800	8	39	12	22	11	3	62
14	10 to 19 acres.....number.....	3,020	11	42	28	28	18	1	83
15	20 to 49 acres.....number.....	14,111	364	194	205	354	141	12	174
16	50 to 99 acres.....number.....	32,743	620	475	478	559	426	34	593
17	100 to 174 acres.....number.....	65,793	634	487	1,008	1,605	590	260	1,203
18	175 to 259 acres.....number.....	31,108	168	225	457	228	234	226	551
19	260 to 499 acres.....number.....	25,245	98	102	399	237	131	423	262
20	500 to 999 acres.....number.....	3,046	12	18	43	28	9	61	21
21	1,000 acres and over.....number.....	272	8	5		4		6	
LAND AND FARM AREA.									
22	Approximate land area, 1920.....acres.....	51,749,120	1,171,200	293,760	863,360	2,446,080	259,200	314,240	487,680
23	Land in farms.....1920.....acres.....	30,321,758	231,221	213,000	454,338	450,487	219,888	267,527	440,386
24	.....1910.....acres.....	27,675,823	175,796	203,097	354,995	223,764	195,187	282,059	448,885
25	.....1900.....acres.....	26,248,408	112,712	174,698	304,968	180,716	180,017	276,968	450,612
26	Improved land in farms.....1920.....acres.....	21,481,710	61,864	121,003	250,946	89,821	126,940	251,992	355,374
27	.....1910.....acres.....	19,643,633	34,750	101,675	178,892	33,253	108,847	242,737	358,895
28	.....1900.....acres.....	18,442,586	20,707	87,072	144,459	23,622	90,595	243,724	364,138
29	Woodland in farms, 1920.....acres.....	4,482,656	93,445	59,698	140,413	228,348	51,984	5,086	33,001
30	Other unimproved land in farms, 1920.....acres.....	4,257,392	73,912	32,689	62,979	141,318	40,955	30,449	52,011
31	Per cent of land area in farms, 1920.....	52.4	19.7	72.8	52.6	18.8	84.8	91.5	90.3
32	Per cent of farm land improved, 1920.....	71.1	26.8	56.8	55.2	19.5	57.7	87.6	80.7
33	Average acreage per farm, 1920.....	169.3	118.9	134.7	172.7	149.9	140.9	280.2	149.1
34	Average improved acreage per farm, 1920.....	120.4	31.8	76.5	95.4	29.3	81.3	245.6	120.3
VALUE OF FARM PROPERTY.									
35	All farm property.....1920.....dollars.....	3,787,420,118	11,992,853	22,245,615	32,724,934	13,423,604	23,005,974	34,826,503	78,595,679
36	.....1910.....dollars.....	1,470,411,737	3,779,047	9,478,621	11,795,410	3,389,856	3,389,346	14,262,257	32,619,319
37	.....1900.....dollars.....	788,084,642	1,126,397	4,148,946	5,261,249	1,897,034	3,890,727	6,151,572	21,982,698
38	Land in farms.....1920.....dollars.....	2,750,328,432	7,255,180	14,490,260	22,852,343	8,644,727	15,724,604	27,22	

¹ Part of Beltrami County taken to form Clearwater County in 1903.

WITH SELECTED ITEMS FOR 1910 AND 1900.

Brown.	Carlton.	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Clear-water.	Cook.	Cotton-wood.	Crow Wing.	Dakota.	Dodge.	Douglas.	
1,976	1,917	2,009	1,579	1,624	2,236	1,948	1,253	141	1,801	1,281	2,373	1,636	2,805	1
1,807	1,195	1,992	948	1,499	2,005	1,738	1,055	146	1,580	1,148	2,163	1,587	2,205	2
1,857	605	1,975	608	1,087	1,969	1,994	.....	36	1,568	1,241	2,162	1,051	2,407	3
1,920	1,858	1,957	1,526	1,592	2,168	1,900	1,206	138	1,771	1,218	2,274	1,591	2,436	4
56	59	52	53	32	68	48	47	3	30	63	99	45	69	5
1,442	561	1,558	1,078	1,012	1,111	1,126	515	49	1,191	747	1,797	1,263	1,409	6
534	1,847	451	489	612	1,123	822	733	91	610	534	572	373	1,095	7
.....	9	.....	12	.....	2	.....	5	1	.....	4	.....	.....	.....	8
3	.....	4	1	3	3	.....	1	1	2	.....	32	3	.....	9
13	12	67	1	19	64	12	2	2	7	18	113	31	23	10
23	21	81	6	13	63	6	.....	.....	7	18	118	41	38	11
45	537	142	231	29	294	50	113	25	27	162	238	104	253	12
157	758	705	345	98	695	95	220	27	144	313	476	308	582	13
812	446	779	635	511	848	499	594	68	721	450	767	687	902	14
620	79	185	189	515	192	380	182	10	474	179	402	314	437	15
295	50	44	129	403	72	705	128	7	384	123	204	142	259	16
7	11	2	26	32	5	173	11	1	34	15	22	8	24	17
1	3	.....	6	1	.....	28	1	.....	.....	3	1	.....	2	18
391,680	554,880	240,640	1,346,560	378,240	273,280	667,520	652,160	958,720	409,600	676,480	383,360	281,600	414,720	19
369,113	185,199	218,382	240,733	355,036	243,819	580,717	203,168	18,334	380,043	190,100	324,708	247,027	372,860	20
395,311	120,505	216,891	147,081	341,730	225,773	631,422	174,616	23,789	371,496	168,771	320,801	261,853	354,879	21
372,680	67,092	216,868	104,577	342,301	214,778	546,636	.....	5,523	370,715	170,509	382,208	258,979	348,302	22
290,808	54,854	138,654	74,537	317,263	125,788	505,336	65,648	2,753	344,690	68,435	258,581	209,445	242,620	23
367,678	27,518	128,452	40,282	299,887	104,670	435,848	40,545	1,568	338,668	51,989	269,703	226,580	219,729	24
815,492	13,554	121,224	20,585	309,700	85,277	438,802	.....	827	341,627	36,179	272,490	219,508	192,084	25
19,100	70,501	41,430	101,148	7,329	83,135	24,368	97,991	9,864	6,613	77,312	36,347	13,464	64,409	26
59,205	59,844	39,208	65,053	30,444	34,846	51,015	39,529	5,717	28,840	44,353	28,780	24,118	65,831	27
94.2	33.4	90.8	17.9	93.9	89.2	87.0	31.2	1.9	92.8	28.1	84.7	87.7	89.9	28
78.8	29.6	63.5	31.0	89.4	61.0	87.0	32.3	15.0	90.7	36.0	79.6	84.8	95.1	29
186.8	96.6	108.7	152.5	218.6	109.0	298.1	162.1	130.0	211.0	148.4	136.8	151.0	148.8	30
147.2	28.6	69.0	47.2	195.4	86.3	259.4	52.4	19.5	191.3	53.4	109.0	128.0	96.9	31
58,212,555	12,666,315	45,401,195	12,202,256	53,411,374	30,169,375	54,120,828	10,398,039	484,844	64,841,051	10,939,410	49,253,836	42,369,796	40,141,734	32
20,999,282	3,759,913	20,370,744	3,045,067	17,378,350	12,289,044	23,924,607	8,150,087	372,166	21,613,731	4,733,472	22,986,004	17,416,051	16,312,224	33
18,320,561	939,664	9,342,243	855,735	9,037,175	5,906,326	11,938,232	.....	63,955	11,328,657	1,951,192	11,793,346	9,649,612	8,273,041	34
43,687,742	7,481,188	30,450,130	8,230,249	41,633,840	17,999,576	40,486,850	7,040,880	223,263	51,971,536	6,908,277	34,135,038	30,127,229	27,955,448	35
14,228,387	2,272,802	13,463,819	2,012,075	12,479,452	6,945,406	17,605,128	2,096,607	228,020	15,959,133	3,127,445	15,019,660	11,724,705	10,694,213	36
9,818,860	542,630	6,242,080	533,090	6,515,700	3,419,310	8,767,050	.....	32,830	7,601,560	1,125,730	8,342,395	6,081,170	5,634,650	37
7,603,569	2,960,244	8,875,145	1,940,594	5,828,542	7,314,610	6,883,778	1,632,030	154,855	6,211,900	2,116,482	8,469,217	6,439,850	6,300,250	38
3,700,507	891,604	4,240,216	511,892	2,465,140	3,453,002	2,909,668	602,052	105,845	2,653,745	884,010	4,185,230	2,880,403	3,174,775	39
1,740,920	205,970	1,602,840	113,650	1,141,660	1,374,640	1,224,020	23,620	23,620	2,149,710	378,160	1,424,280	1,329,610	1,329,610	40
3,045,522	707,950	2,376,276	623,736	2,361,101	1,951,608	3,181,745	650,470	39,011	2,377,201	608,367	2,391,861	1,854,716	2,087,481	41
780,876	159,952	665,282	125,497	621,284	512,130	1,013,339	142,442	11,650	647,394	170,050	783,320	582,269	655,199	42
434,280	34,720	385,580	40,300	385,430	297,210	574,430	.....	1,810	431,930	97,190	450,490	332,610	368,090	43
3,815,722	1,516,933	3,699,644	1,407,777	3,587,891	2,903,581	3,618,455	1,065,659	67,715	4,280,414	1,306,284	4,257,770	3,948,001	3,318,555	44
2,309,512	435,665	2,001,427	395,603	1,812,474	1,378,471	2,306,482	408,986	25,751	2,353,459	551,967	2,397,794	2,228,674	1,788,037	45
1,335,501	156,344	1,130,843	168,095	994,325	815,166	1,371,832	.....	5,995	1,145,457	350,112	1,816,181	1,234,222	940,891	46
29,460	6,607	22,599	7,728	32,889	13,493	27,783	8,299	3,439	36,003	8,540	20,756	25,898	16,025	47
26,988	5,447	19,575	6,441	29,226	11,321	24,318	6,929	2,682	32,306	7,045	17,954	22,352	13,875	48
118.36	40.40	139.44	84.19	117.27	73.82	69.72	34.70	12.18	136.75	38.34	105.13	121.96	74.97	49
1,259	1,837	1,650	1,384	993	1,869	1,254	1,161	137	1,040	1,045	1,755	995	2,019	50
1,280	1,138	1,072	858	1,035	1,831	1,298	1,001	144	1,040	1,009	1,600	1,070	1,995	51
1,422	678	1,714	633	1,373	1,812	1,709	.....	36	1,234	1,131	1,537	1,155	2,037	52
63.7	95.8	82.1	87.7	81.1	83.6	84.4	92.7	97.2	57.7	81.6	74.0	60.8	80.6	53
235,701	172,989	178,097	194,017	214,035	199,083	305,811	183,102	17,842	213,776	148,880	225,743	130,095	285,862	54
184,074	51,635	113,252	61,914	190,880	102,873	317,099	60,936	2,650	196,950	54,090	174,833	110,580	186,753	55
32,775,685	9,800,632	32,364,931	8,398,543	28,693,050	20,704,191	31,102,169	8,052,245	389,218	33,801,648	7,062,200	29,380,600	20,553,184	26,913,002	56
1,044	1,764	1,516	1,258	781	1,685	902	1,003	131	744	804	1,443	872	1,739	57
215	78	134	126	232	184	352	158	6	296	181	312	123	280	58
862	514	1,246	907	546	826	605	455	48	606	565	1,287	729	1,015	59
307	1,315	404	406	447	1,041	649	702	88	434	480	466	266	1,004	60
.....	8	.....	11	.....	2	.....	4	1	.....	2	.....	.....	.....	61
21	11	18	19	20	9	16	4	.....	8	13	33	20	28	62
8	13	18	5	14	3	17	1	.....	6	20	19	14	2	63
29	6	7	3	14	4	18	.....	.....	6	20	22	11	37	64
4,471	3,021	2,079	12,804	5,780	1,790	7,146	1,280	.....	2,701	7,126	7,960	3,609	5,128	65
3,543	1,081	1,270	2,050	5,208	967	6,947	802	.....	2,315	1,908	6,245	3,278	3,474	66
774,725	175,800	421,250	382,990	724,900	106,620	653,050	55,800	.....	421,800	311,250	1,061,890	531,650	495,055	67
696	69	341	176	611	358	678	88	4	753	223	585	621	453	68
519	44	302	85	450	171	423	53	2	534	119	544	503	268	69
406	21	254	32	300	153	267	.....	.....	328	90	593	485	283	70
35.2	3.6	17.0	11.1	37.6	16.0	34.8	7.0	2.8	41.8	17.4	24.7	38.0	18.3	71
128,941	9,189	38,206	33,852	135,221	42,946	207,760	13,786	492	163,596	34,094	91,005	107,523	81,879	72
103,191	2,238	24,132	10,673	121,175	21,958	180,890	4,410	97	146,319	12,437	77,603	89,587	52,402	73
17,800,901	465,000	6,539,094	1,389,310	18,044,432	4,443,375	15,525,409	573,865	8,900	23,959,988	1,651,800	12,161,765	15,482,245	7,347,641	74
174	18	67	81	264	144	426	50	1	135	70	254	296	230	75
249	.....	4	1	177	5	118	1	.....	405	4	95	114	37	76
231	42	241	94	165	187	107	24	1	125	149	236	192	169	77
42	9	29	.....	5	22	27	13	2	28	.....	.....	19	22	78
567	42	300	156	455	281	608	57	1	579	173	482	516	371	79
129	27	41	19	156	77	170	30	3	174	50	101	105	87	80
.....												

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

		Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.	Hubbard.
ALL FARMS.									
1	Number of farms... 1920.....	2,858	3,177	2,574	3,128	1,317	3,954	1,978	1,282
2	..... 1910.....	2,189	3,213	2,477	3,040	1,185	3,853	1,912	843
3	..... 1900.....	2,232	3,477	2,691	3,210	1,245	3,684	2,130	641
4	All farmers classified by sex, 1920:								
5	Male..... number..	2,307	3,088	2,497	3,050	1,278	3,866	1,908	1,226
6	Female..... number..	51	89	77	78	39	88	70	26
7	Color and nativity of all farmers, 1920:								
8	Native white..... number..	1,842	2,577	1,777	2,304	835	2,759	1,542	798
9	Foreign-born white..... number..	516	600	797	821	482	1,190	435	454
10	Negro and other nonwhite..... number..				3		5	1	
11	All farms classified by size, 1920:								
12	Under 3 acres..... number..	4	2	2	21		44	1	
13	3 to 9 acres..... number..	17	37	19	84		372	40	7
14	10 to 19 acres..... number..	35	45	21	76		430	34	6
15	20 to 49 acres..... number..	51	227	123	222		834	110	142
16	50 to 99 acres..... number..	275	570	446	583		1,253	305	317
17	100 to 174 acres..... number..	1,026	1,223	1,165	1,240	442	744	725	468
18	175 to 259 acres..... number..	553	632	646	639	319	122	455	169
19	260 to 499 acres..... number..	349	380	234	250	377	50	283	132
20	500 to 999 acres..... number..	18	22	15	9	65	5	22	21
21	1,000 acres and over..... number..		4	8	1	1		3	
LAND AND FARM AREA.									
22	Approximate land area, 1920..... acres..	460,180	555,520	470,400	490,880	353,920	361,600	364,800	613,120
23	Land in farms..... 1920..... acres..	430,461	536,850	413,988	457,795	319,290	271,762	333,655	191,996
24	..... 1910..... acres..	433,431	513,814	413,711	462,052	296,494	284,378	327,094	151,984
25	..... 1900..... acres..	442,042	521,261	430,748	470,062	284,039	207,052	331,986	90,143
26	Improved land in farms..... 1920..... acres..	361,478	373,279	315,445	347,792	284,049	186,755	176,505	80,323
27	..... 1910..... acres..	384,265	391,339	323,677	350,968	257,382	189,721	174,020	55,699
28	..... 1900..... acres..	394,000	399,393	342,876	374,693	221,610	197,570	169,810	29,509
29	Woodland in farms, 1920..... acres..	18,541	85,324	20,693	49,359	6,542	51,323	125,066	79,434
30	Other unimproved land in farms, 1920..... acres..	60,442	45,247	77,980	60,444	28,699	38,184	32,084	32,230
31	Per cent of land area in farms, 1920.....	93.5	91.2	88.0	93.3	90.2	75.2	91.5	81.3
32	Per cent of farm land improved, 1920.....	84.0	74.2	76.2	76.0	89.0	68.7	52.9	41.8
33	Average acreage per farm, 1920.....	182.6	159.5	160.8	146.4	242.4	68.7	163.7	163.4
34	Average improved acreage per farm, 1920.....	153.3	118.4	122.6	111.2	216.7	47.2	89.2	64.2
VALUE OF FARM PROPERTY.									
35	All farm property..... 1920..... dollars..	83,798,096	77,647,908	72,169,324	70,040,999	36,797,837	62,307,269	37,575,547	10,572,785
36	..... 1910..... dollars..	32,474,072	36,250,145	27,601,597	32,206,663	13,482,322	34,967,221	16,836,250	3,175,028
37	..... 1900..... dollars..	21,740,938	20,353,108	17,412,256	18,044,617	6,090,331	19,908,980	9,944,080	1,017,404
38	Land in farms..... 1920..... dollars..	64,445,938	54,853,390	52,047,989	40,558,731	28,053,739	40,453,537	24,566,455	7,270,248
39	..... 1910..... dollars..	23,408,846	24,236,255	18,634,242	21,041,645	9,789,603	22,608,670	10,708,007	2,089,875
40	..... 1900..... dollars..	10,484,500	14,240,585	11,766,250	12,235,550	4,401,080	19,938,070	6,619,250	703,702
41	Farm buildings..... 1920..... dollars..	9,075,643	12,038,490	10,667,270	12,229,422	4,432,460	14,144,460	7,038,895	1,651,823
42	..... 1910..... dollars..	4,861,830	6,431,451	5,022,782	6,461,836	1,848,287	8,008,133	3,304,145	581,785
43	..... 1900..... dollars..	2,024,610	2,801,725	2,778,900	3,083,240	720,330	3,742,080	1,576,760	119,150
44	Implements and machinery..... 1920..... dollars..	3,222,277	2,945,607	3,117,776	4,087,128	1,675,145	2,824,374	1,965,222	599,841
45	..... 1910..... dollars..	970,843	1,076,637	895,040	1,120,114	475,615	1,113,601	584,016	142,335
46	..... 1900..... dollars..	669,850	653,200	596,430	631,220	282,330	568,020	360,500	55,010
47	Live stock on farms..... 1920..... dollars..	6,424,238	7,810,421	6,086,289	7,105,713	2,636,463	4,984,898	4,004,975	1,041,870
48	..... 1910..... dollars..	3,232,553	4,466,772	3,409,333	3,613,070	1,868,817	2,986,817	2,240,082	361,033
49	..... 1900..... dollars..	1,964,978	2,062,528	2,270,076	2,044,607	687,111	1,701,810	1,388,570	139,524
50	Average values, 1920:								
51	All property per farm..... dollars..	35,525	24,441	28,038	22,392	27,941	15,758	18,997	8,445
52	Land and buildings per farm..... dollars..	31,434	21,055	24,481	18,794	24,667	18,808	15,978	7,133
53	Land alone per acre..... dollars..	149.71	108.22	125.72	101.70	87.86	148.86	73.63	37.91
FARMS OPERATED BY OWNERS.									
54	Number of farms..... 1920.....	1,456	2,030	1,701	2,083	838	3,063	1,500	1,094
55	..... 1910.....	1,423	2,317	1,773	2,037	872	3,031	1,514	766
56	..... 1900.....	1,075	2,652	2,049	2,370	1,026	2,778	1,736	594
57	Per cent of all farms, 1920.....	61.7	63.6	63.6	66.6	63.6	77.5	75.8	87.4
58	Land in farms, 1920..... acres..	257,240	315,314	287,958	201,250	193,187	199,607	247,914	164,761
59	Improved land in farms, 1920..... acres..	216,387	238,010	198,724	220,459	171,571	138,770	130,007	66,576
60	Value of land and buildings, 1920..... dollars..	44,814,796	41,556,355	40,766,764	38,071,949	19,999,072	38,707,125	23,200,850	7,526,672
61	Degree of ownership, 1920:								
62	Farmers owning entire farm..... number..	1,281	1,797	1,452	1,727	587	2,533	1,244	934
63	Farmers hiring additional land..... number..	175	233	249	356	251	530	156	160
64	Color and nativity of owners, 1920:								
65	Native white owners..... number..	1,069	1,557	1,104	1,429	474	2,076	1,118	662
66	Foreign-born white owners..... number..	387	473	597	651	364	953	381	432
67	Negro and other nonwhite owners..... number..				3		4	1	
FARMS OPERATED BY MANAGERS.									
68	Number of farms..... 1920.....	16	34	24	31	17	91	22	6
69	..... 1910.....	23	17	21	13	9	51	8	11
70	..... 1900.....	13	23	19	18	12	42	9	3
71	Land in farms, 1920..... acres..	3,642	8,204	7,042	5,664	5,731	9,060	5,146	2,126
72	Improved land in farms, 1920..... acres..	3,445	5,565	5,780	3,601	5,280	4,940	2,075	1,556
73	Value of land and buildings, 1920..... dollars..	663,545	1,121,800	1,033,400	747,750	620,675	3,268,900	439,300	124,680
FARMS OPERATED BY TENANTS.									
74	Number of farms..... 1920.....	886	1,113	840	1,014	462	800	456	152
75	..... 1910.....	688	879	683	960	304	721	390	66
76	..... 1900.....	544	802	623	822	207	864	385	44
77	Per cent of all farms, 1920.....	37.6	35.0	33.0	32.4	35.1	20.2	23.1	12.1
78	Land in farms, 1920..... acres..	109,579	183,332	148,988	160,881	120,372	63,095	80,595	25,109
79	Improved land in farms, 1920..... acres..	141,646	137,704	110,941	123,642	107,193	43,036	44,423	12,191
80	Value of land and buildings, 1920..... dollars..	28,643,240	24,213,725	21,215,095	19,968,454	11,866,482	12,621,972	7,964,700	1,279,719
81	Form of tenancy, 1920:								
82	Share tenants..... number..	369	638	341	519	209	130	256	80
83	Share-cash tenants..... number..	162	87	99	115	168	7	4	8
84	Cash tenants..... number..	313	383	406	350	68	659	170	64
85	Unspecified..... number..	37		3		19	4	26	
86	Color and nativity of tenants, 1920:								
87	Native white tenants..... number..	758	991	656	846	347	623	406	120
88	Foreign-born white tenants..... number..	128	122	193	168	115	176	50	22
89	Negro and other nonwhite tenants..... number..						1		

* Part of Itasca County taken to form Koochiching County in 1906.

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Isanti.	Itasca. ¹	Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi-ching. ¹	Lac qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyon.	McLeod.	Mahnomen. ²
2,212	1,436	2,218	1,568	2,432	1,400	944	2,008	208	2,269	1,408	1,816	2,447	590
2,068	830	1,906	1,017	2,237	1,210	444	1,863	210	2,218	1,304	1,682	2,268	248
2,044	217	1,949	749	2,265	1,206	-----	1,951	19	2,472	1,340	1,682	2,335	-----
2,119	1,408	2,149	1,539	2,344	1,374	913	1,064	206	2,195	1,443	1,793	2,380	578
93	28	60	29	88	35	31	44	2	74	25	23	67	12
996	675	1,460	774	1,380	518	445	1,356	38	1,784	885	1,187	1,709	361
1,216	748	758	794	1,043	891	498	652	170	484	583	629	738	201
-----	13	-----	-----	-----	-----	1	-----	-----	1	-----	-----	-----	28
1	2	2	3	-----	3	1	4	-----	23	1	-----	21	-----
9	7	07	10	29	5	4	13	-----	90	9	11	72	-----
17	15	31	17	32	6	6	20	-----	45	8	-----	47	-----
248	320	51	233	102	87	108	25	71	180	30	33	174	15
784	391	165	638	254	88	140	94	68	681	114	105	707	101
865	515	946	467	826	353	501	681	50	888	613	690	1,020	179
212	105	525	118	710	240	71	514	9	275	357	444	305	131
73	74	399	70	442	490	101	601	4	84	308	481	97	136
2	6	30	10	35	158	16	55	2	3	25	43	4	24
1	1	2	2	2	29	1	1	1	-----	1	-----	-----	18
282,880	1,747,200	449,280	341,760	512,640	711,040	2,010,240	505,600	1,343,360	298,240	342,400	453,120	317,440	306,080
256,010	188,976	424,792	182,311	464,941	442,939	152,507	464,784	26,739	264,814	305,315	409,218	299,131	133,499
237,642	108,380	411,389	116,370	463,345	372,066	73,245	404,102	22,279	201,945	306,129	401,546	298,961	41,995
221,576	27,641	404,014	127,475	443,146	339,077	-----	454,705	2,435	288,609	300,274	388,432	302,091	-----
138,810	33,637	372,670	67,535	360,306	342,087	22,450	419,086	3,749	178,913	270,732	358,206	252,006	82,218
109,642	13,636	354,715	37,370	369,603	287,389	5,529	403,125	2,381	163,117	249,332	344,172	239,925	24,123
85,747	4,274	354,253	13,832	340,722	205,544	-----	391,711	243	148,939	237,086	334,286	239,943	-----
70,083	106,916	9,710	80,003	23,707	43,814	93,231	8,794	13,836	35,225	4,417	8,452	19,085	23,847
47,117	28,423	42,412	34,773	80,928	57,038	30,826	36,004	9,154	50,676	80,106	42,560	27,440	27,934
90.5	9.7	94.5	53.3	90.7	62.3	7.6	91.9	2.0	88.8	89.2	90.3	94.2	36.5
54.2	19.9	87.7	37.0	77.5	77.2	14.7	90.4	14.0	67.6	58.7	87.5	84.4	61.6
115.7	117.7	191.5	116.3	191.2	314.4	161.6	231.5	128.6	110.7	208.0	226.3	122.2	226.3
62.8	23.4	168.0	43.1	143.2	242.8	23.8	209.2	18.0	78.9	184.4	197.3	103.2	139.4
25,275,987	6,542,081	79,389,337	10,416,262	60,816,751	30,486,325	3,628,142	74,679,008	900,459	48,823,213	47,630,518	71,886,712	53,800,274	10,573,019
9,123,309	2,201,580	26,357,716	4,698,416	22,711,957	13,730,620	1,028,563	26,217,879	442,094	20,048,441	15,729,215	23,059,304	23,120,367	1,234,111
4,331,529	338,147	14,143,616	1,516,717	11,715,026	6,528,478	-----	12,830,550	30,765	11,120,777	7,677,345	11,769,475	12,441,951	-----
15,258,601	3,879,875	62,607,642	10,137,217	44,347,094	21,724,048	2,193,236	59,584,206	415,935	35,874,728	36,829,381	57,101,253	36,829,594	7,719,861
5,083,872	1,404,735	19,553,072	2,925,476	15,339,333	9,728,122	734,960	19,205,918	252,535	14,251,215	11,251,430	19,819,636	15,699,650	800,293
2,552,340	188,830	10,401,960	1,019,430	8,094,340	4,538,830	-----	9,399,940	16,300	8,041,080	5,058,450	8,649,090	8,740,020	-----
6,242,495	1,370,671	8,003,325	3,545,165	8,341,005	4,157,669	708,100	7,883,428	353,400	7,247,809	5,230,735	7,668,765	9,562,914	1,454,752
2,546,210	460,930	3,285,434	1,044,792	3,841,080	1,814,455	177,900	3,542,079	130,230	3,247,980	2,220,457	2,980,625	4,204,300	183,009
978,600	77,530	1,015,670	248,310	1,807,980	804,110	-----	1,499,970	9,200	1,579,270	861,580	1,315,800	1,942,190	-----
1,676,932	421,990	3,048,422	845,656	3,071,942	2,203,405	248,189	3,175,350	67,103	2,136,900	2,089,882	2,704,725	2,895,803	594,112
426,921	88,537	776,522	166,954	918,917	650,027	27,897	904,945	12,990	590,072	582,137	785,300	819,895	61,004
212,790	10,060	544,100	47,230	461,290	336,980	-----	550,550	380	394,060	339,190	489,300	428,420	-----
2,097,959	869,545	5,729,948	1,888,224	5,056,710	2,401,213	478,617	4,331,024	123,901	3,593,778	3,420,620	4,411,969	4,611,958	804,294
1,006,306	247,378	2,742,688	561,194	2,612,627	1,537,916	87,746	2,504,937	40,939	1,969,174	1,075,191	2,467,743	2,396,522	183,202
587,709	55,727	1,581,924	201,747	1,351,416	848,558	-----	1,374,090	4,885	1,111,167	818,125	1,316,225	1,331,821	-----
11,427	4,566	35,793	10,470	25,007	21,637	3,843	37,340	4,618	21,518	32,446	39,685	21,996	17,920
9,720	3,656	31,853	8,726	21,665	18,369	3,073	38,602	3,099	19,005	28,602	35,668	15,959	57.83
59.66	22.66	147.38	56.60	95.33	40.05	14.38	128.20	15.56	135.47	120.63	139.54	123.12	-----
1,877	1,333	1,265	1,403	1,668	1,141	903	1,112	196	1,875	933	1,061	1,981	474
1,864	710	1,207	942	1,061	1,036	436	1,220	199	1,855	938	1,054	1,891	196
1,866	196	1,413	720	1,813	1,158	-----	1,487	19	2,087	1,130	1,220	2,010	-----
84.9	93.2	67.0	89.5	68.6	81.0	95.7	55.4	94.2	82.6	63.6	58.4	81.0	80.3
211,336	150,132	230,860	153,073	296,996	330,061	146,063	249,603	17,889	216,035	188,132	225,433	231,608	108,944
115,252	30,140	203,620	58,439	230,805	265,154	21,514	225,938	8,393	145,487	165,093	209,464	195,042	67,003
17,878,086	4,739,346	39,465,734	11,335,127	34,425,955	10,727,620	2,774,961	36,211,266	650,145	35,272,481	26,222,481	36,802,028	30,683,866	7,445,933
1,699	1,234	915	1,324	1,403	813	827	881	189	1,634	794	895	1,806	312
178	114	350	79	265	328	76	231	7	241	139	166	176	162
742	607	725	647	830	369	414	668	32	1,441	502	640	1,354	270
1,135	710	540	756	638	772	488	444	164	433	431	421	627	179
-----	12	-----	-----	-----	-----	1	-----	-----	1	-----	-----	-----	25
19	9	8	15	21	13	3	27	8	8	2	16	12	1
3	0	14	15	15	38	1	14	9	1	2	23	14	1
2	11	11	7	13	16	-----	7	-----	8	8	22	22	-----
3,134	1,677	1,994	6,052	5,940	7,244	465	7,395	8,463	1,284	185	5,442	2,172	80
1,477	589	1,877	1,792	4,364	5,618	64	6,651	315	1,049	185	4,399	1,804	50
246,800	141,060	336,050	293,580	727,000	440,300	11,800	1,121,750	105,750	285,600	54,000	851,675	345,950	4,000
316	89	945	150	743	255	38	869	4	386	533	739	454	115
206	31	685	60	571	136	7	629	2	362	364	605	363	51
186	10	525	22	439	92	-----	457	-----	378	202	390	303	-----
14.3	0.2	42.6	9.6	30.6	18.1	4.0	43.3	1.9	17.0	36.3	40.7	18.6	19.5
41,540	11,187	191,938	22,586	162,405	58,634	5,979	207,586	397	47,495	116,948	178,343	65,451	24,475
22,081	2,908	167,173	7,304	125,137	71,235	872	187,397	41	32,377	105,454	153,343	55,160	15,165
3,375,310	370,140	30,809,182	1,553,675	17,535,144	5,713,787	114,575	30,139,618	7,500	7,614,456	15,843,636	27,116,415	9,362,692	1,724,630
198	20	142	53	278	200	6	499	1	183	125	284	108	95
3	4	459	3	176	3	-----	180	-----	8	92	222	54	-----
78	56	301	70	289	39	22	163	2	146	295	232	268	14
37	9	43	24	-----	13	10	27	1	49	21	1	24	6
241	63	729	115	541	142	28	669	3	335	382	535	343	90
75	25	216	35	202	113	10	200	1	51	151	204	106	22
-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3

² Mahnomen County organized from part of Norman County in 1906.

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

		Marshall.	Martin.	Meeker.	Mille Lacs.	Morrison.	Mower.	Murray.	Nicollet.
ALL FARMS.									
1	Number of farms... 1920.....	2,697	2,435	2,460	1,898	3,065	2,364	1,876	1,497
2	..... 1910.....	2,121	2,181	2,346	1,278	2,622	2,386	1,640	1,414
3	..... 1900.....	2,464	2,198	2,511	1,022	2,400	2,447	1,713	1,454
4	All farmers classified by sex, 1920:								
5	Male..... number.....	2,616	2,381	2,385	1,837	3,008	2,318	1,848	1,407
6	Female..... number.....	81	54	75	61	87	46	28	30
7	Color and nativity of all farmers, 1920:								
8	Native white..... number.....	1,147	1,784	1,486	880	1,641	1,776	1,183	1,132
9	Foreign-born white..... number.....	1,550	651	974	1,018	1,453	588	693	365
10	Negro and other nonwhite..... number.....					1			
11	All farms classified by size, 1920:								
12	Under 3 acres..... number.....		1	4	2		2		4
13	3 to 9 acres..... number.....	11	28	36	12	1	31	19	24
14	10 to 19 acres..... number.....	10	22	45	36	38	43	15	23
15	20 to 49 acres..... number.....	65	57	203	394	238	80	28	58
16	50 to 99 acres..... number.....	145	311	537	845	829	387	115	149
17	100 to 174 acres..... number.....	919	1,108	915	479	1,247	1,026	745	586
18	175 to 259 acres..... number.....	417	547	447	90	453	475	412	406
19	260 to 499 acres..... number.....	911	342	257	36	243	296	492	235
20	500 to 999 acres..... number.....	192	18	15	2	26	22	46	11
21	1,000 acres and over..... number.....	27	1	1	2		2	4	1
LAND AND FARM AREA.									
22	Approximate land area, 1920..... acres.....	1,144,320	460,160	397,440	373,120	731,520	455,040	450,560	283,520
23	Land in farms... 1920..... acres.....	734,432	437,329	364,960	178,550	440,013	404,092	415,872	267,521
24	..... 1910..... acres.....	567,865	427,727	358,423	123,047	374,728	428,428	401,048	262,212
25	..... 1900..... acres.....	543,190	420,792	345,982	95,600	331,810	432,906	385,061	272,290
26	Improved land in farms... 1920..... acres.....	523,383	373,380	280,604	79,548	228,139	354,636	384,616	212,407
27	..... 1910..... acres.....	380,677	370,804	270,542	48,438	184,150	391,592	355,643	189,677
28	..... 1900..... acres.....	340,882	333,559	258,314	31,406	148,355	394,801	338,656	209,259
29	Woodland in farms, 1920..... acres.....	81,035	9,388	28,001	70,223	137,388	10,486	4,000	21,740
30	Other unimproved land in farms, 1920..... acres.....	129,414	55,960	55,095	28,779	74,486	32,970	27,256	38,374
31	Per cent of land area in farms, 1920.....	64.2	95.0	91.8	47.9	60.2	88.8	92.3	94.4
32	Per cent of farm land improved, 1920.....	71.3	85.1	76.9	44.6	51.8	87.8	92.5	79.4
33	Average acreage per farm, 1920.....	272.3	179.6	148.4	94.1	142.2	170.9	221.7	178.7
34	Average improved acreage per farm, 1920.....	194.1	152.9	114.1	41.9	78.7	150.0	205.0	141.9
VALUE OF FARM PROPERTY.									
35	All farm property... 1920..... dollars.....	48,640,468	93,074,392	50,898,035	19,976,610	37,425,046	60,021,696	72,780,019	41,677,619
36	..... 1910..... dollars.....	16,952,344	30,512,259	21,595,297	5,599,111	13,090,359	31,290,093	28,455,837	15,893,289
37	..... 1900..... dollars.....	8,491,457	16,250,759	11,840,710	2,081,803	6,179,959	20,282,148	12,416,245	10,156,362
38	Land in farms... 1920..... dollars.....	35,358,874	72,793,142	35,046,515	12,635,442	24,690,291	51,500,929	58,827,428	29,713,431
39	..... 1910..... dollars.....	11,841,698	21,899,252	14,050,549	3,184,171	8,062,337	22,238,106	17,364,164	10,410,423
40	..... 1900..... dollars.....	5,717,310	12,100,790	8,215,350	1,379,540	3,905,240	14,935,660	9,438,590	7,006,810
41	Farm buildings... 1920..... dollars.....	6,261,416	10,275,800	8,513,130	4,217,074	7,107,461	0,442,492	6,799,700	0,561,890
42	..... 1910..... dollars.....	2,239,615	4,388,015	4,055,142	1,383,785	2,672,550	4,698,615	2,877,970	2,971,489
43	..... 1900..... dollars.....	944,720	1,859,840	1,788,800	298,550	967,380	2,635,610	1,181,630	1,623,360
44	Implements and machinery... 1920..... dollars.....	3,421,437	3,292,556	2,724,819	975,172	2,190,333	2,625,888	2,558,772	2,216,980
45	..... 1910..... dollars.....	825,455	963,780	568,980	230,567	381,760	966,845	700,099	633,312
46	..... 1900..... dollars.....	490,150	597,380	493,800	82,580	337,570	615,540	486,820	388,040
47	Livestock on farms... 1920..... dollars.....	3,608,731	6,712,834	4,618,671	2,148,922	3,437,561	5,452,387	4,594,119	3,185,408
48	..... 1910..... dollars.....	2,045,576	3,261,217	2,626,626	794,588	1,779,702	3,380,627	2,513,604	1,842,065
49	..... 1900..... dollars.....	1,339,277	1,698,799	1,373,140	321,168	909,769	2,095,438	1,309,205	1,138,152
50	Average values, 1920:								
51	All property per farm..... dollars.....	18,035	38,224	20,690	10,525	12,092	29,197	38,795	27,841
52	Land and buildings per farm..... dollars.....	15,432	34,115	17,707	8,870	10,274	25,780	34,982	24,232
53	Land alone per acre..... dollars.....	48.14	166.45	96.03	70.77	56.11	127.45	141.46	111.07
FARMS OPERATED BY OWNERS.									
54	Number of farms... 1920.....	2,181	1,383	1,904	1,691	2,722	1,385	1,040	970
55	..... 1910.....	1,336	1,399	1,876	1,157	2,373	1,684	1,064	947
56	..... 1900.....	2,239	1,503	2,131	850	2,213	1,807	1,231	1,080
57	Per cent of all farms, 1920.....	80.9	56.3	77.4	89.1	87.9	68.6	55.4	64.8
58	Land in farms, 1920..... acres.....	571,032	232,350	269,165	154,636	379,619	217,615	220,167	170,112
59	Improved land in farms, 1920..... acres.....	391,177	200,650	207,147	69,653	195,865	192,817	212,839	133,453
60	Value of land and buildings, 1920..... dollars.....	30,358,505	45,945,570	32,540,423	14,762,949	27,577,227	32,645,866	36,306,113	23,312,016
61	Degree of ownership, 1920:								
62	Farmers owning entire farm..... number.....	1,611	1,187	1,604	1,593	2,463	1,198	734	837
63	Farmers hiring additional land..... number.....	570	196	300	98	259	187	306	133
64	Color and nativity of owners, 1920:								
65	Native white owners..... number.....	796	901	1,038	730	1,349	961	569	606
66	Foreign-born white owners..... number.....	1,385	482	866	961	1,372	424	471	274
67	Negro and other nonwhite owners..... number.....					1			
FARMS OPERATED BY MANAGERS.									
68	Number of farms... 1920.....	33	21	26	19	10	30	20	16
69	..... 1910.....	21	10	10	2	8	29	9	10
70	..... 1900.....	25	11	19	2	5	23	13	11
71	Land in farms, 1920..... acres.....	16,017	4,509	5,116	4,343	2,143	5,798	5,787	4,041
72	Improved land in farms, 1920..... acres.....	14,734	3,437	3,966	1,326	909	4,853	5,484	3,254
73	Value of land and buildings, 1920..... dollars.....	1,361,220	895,432	690,900	294,150	100,100	1,026,800	905,750	514,191
FARMS OPERATED BY TENANTS.									
74	Number of farms... 1920.....	483	1,031	530	188	363	949	816	511
75	..... 1910.....	265	761	460	119	241	682	567	457
76	..... 1900.....	200	624	361	70	182	617	469	363
77	Per cent of all farms, 1920.....	17.9	42.3	21.5	9.9	11.7	40.1	43.5	34.1
78	Land in farms, 1920..... acres.....	146,483	200,470	90,649	19,671	58,251	180,679	180,968	93,568
79	Improved land in farms, 1920..... acres.....	117,472	168,293	69,551	8,569	31,365	156,966	168,263	75,700
80	Value of land and buildings, 1920..... dollars.....	9,900,565	36,227,934	10,328,322	1,795,417	4,120,425	27,372,755	28,415,265	12,449,024
81	Form of tenancy, 1920:								
82	Share tenants..... number.....	394	278	204	62	217	460	162	195
83	Share-cash tenants..... number.....	8	274	61	2	10	235	402	87
84	Cash tenants..... number.....	50	437	231	102	136	252	229	195
85	Unspecified..... number.....	81	42	34	22		2	23	34
86	Color and nativity of tenants, 1920:								
87	Native white tenants..... number.....	322	865	427	135	282	790	599	422
88	Foreign-born white tenants..... number.....	161	166	103	53	81	159	217	89
89	Negro and other nonwhite tenants..... number.....								

1 Part of Norman County taken to form Mahanomen County in 1906.

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Nobles.	Norman. ¹	Olmsted.	Otter Tail.	Pennington. ²	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake. ³	Redwood.	Renville.	Rice.	
2,018 1,819 1,751	1,940 1,653 1,938	2,287 2,310 2,539	6,627 5,804 6,227	1,221 1,244	3,088 2,066 1,416	1,187 1,055 997	4,200 3,525 4,340	1,802 1,649 1,872	983 1,067 923	907 527 1,385	2,548 2,311 2,348	3,049 2,871 3,013	2,416 2,380 2,072	1 2 3
1,984 34	1,880 60	2,227 60	6,393 234	1,175 46	3,017 71	1,170 17	4,071 129	1,762 40	955 28	877 30	2,501 47	2,976 73	2,341 75	4 5
1,348 870	1,105 835	1,941 345	3,764 2,802	591 089	1,405 1,678	755 432	2,203 1,997	1,148 654	522 460	514 393	1,710 822	2,063 986	1,758 657	6 7 8
1 12 17 35 123	1 17 14 91 163	1 22 30 153 872	1 28 51 450 1,278	1 14 3 23 70	2 16 37 524 1,267	..... 6 7 15 62	2 31 44 185 364	2 3 12 66 153	25 192 179 283 187	..... 7 3 19 51	..... 5 9 34 193	..... 26 13 64 224	..... 9 10 64 718	9 10 11 12 13
861 424 516 29	459 432 683 121	899 491 288 21	2,514 1,423 791 75	503 184 379 44	925 196 99 21	491 207 361 38	1,308 691 1,231 317	559 517 449 41	79 20 16	320 151 301 54	1,104 635 533 34	1,358 834 498 32	604 317 99 6	14 15 16 17 18
462,080 487,608 418,200 420,213	550,400 489,358 418,534 428,985	426,240 376,221 393,620 405,880	1,304,060 1,095,739 996,635 944,732	388,480 234,588 257,485	904,320 333,418 230,689 148,460	300,100 276,371 267,989 241,622	1,286,500 1,069,155 888,852 973,281	443,520 381,128 373,294 378,812	103,040 52,498 60,543 60,783	276,480 224,729 126,402 258,307	563,840 525,074 527,471 508,599	625,920 689,150 589,798 584,699	316,800 297,033 297,944 305,513	19 20 21 22
402,236 388,156 288,238 7,951 27,421	401,179 314,778 316,597 33,340 54,839	393,723 316,184 327,410 39,453 33,045	683,406 592,598 505,358 276,118 136,215	194,473 136,735 30,158 51,057	121,901 64,788 30,637 93,746 117,771	248,105 250,466 208,280 1,887 26,379	842,208 643,946 651,766 112,040 114,907	288,254 280,395 280,540 16,200 70,614	36,195 41,194 38,907 9,761 0,542	159,586 77,188 146,274 43,101 22,042	449,908 458,745 417,037 10,581 64,537	511,771 513,520 600,199 32,012 49,473	217,241 229,381 227,770 22,041 57,756	23 24 25 26 27
94.7 91.9 216.9 199.3	88.9 82.0 252.2 206.8	88.3 80.7 164.5 132.8	84.0 62.4 165.3 103.1	73.3 68.3 233.2 159.3	36.9 36.0 108.0 39.5	92.1 89.8 232.8 200.0	84.4 78.8 254.6 200.5	85.9 75.6 211.5 160.0	50.9 68.0 58.4 36.8	93.1 85.7 246.1 175.9	93.1 85.7 246.1 170.6	93.5 87.5 191.0 107.8	93.8 73.1 122.9 89.9	28 29 30 31
89,173,065 30,066,709 14,591,623	41,761,305 16,371,171 9,615,639	50,807,976 27,187,633 18,837,339	102,413,585 37,953,319 18,895,532	16,174,644 6,820,149 2,273,424	26,955,346 7,453,287 2,273,424	54,789,185 17,022,735 7,280,618	86,049,593 34,946,027 19,581,141	37,969,731 15,479,163 7,625,332	13,081,300 9,726,904 5,621,673	14,721,722 3,711,800 3,407,214	87,726,492 30,231,265 16,494,789	84,873,931 33,685,584 18,539,120	48,738,562 22,753,492 14,202,328	32 33 34
72,907,900 22,956,875 11,298,380 7,704,455 3,283,840 1,393,730	30,837,100 11,549,040 6,882,280 5,589,924 2,447,945 1,120,750	41,446,675 18,427,916 13,592,810 9,439,131 4,613,285 2,684,110	69,813,198 24,852,347 12,478,640 17,269,051 7,080,959 3,042,960	10,938,115 4,223,303 1,440,070 2,530,350 905,425	16,413,214 4,543,723 5,611,290 6,023,677 1,691,143 387,250	44,218,258 12,957,385 5,611,290 5,349,820 1,984,520 672,430	63,610,513 24,966,183 13,802,800 11,649,930 4,771,899 2,252,100	26,651,349 671,924 5,082,360 6,173,205 2,710,885 1,180,240	7,822,613 6,748,444 3,989,910 3,634,700 2,002,721 1,050,280	10,336,780 2,467,251 2,119,770 2,267,120 539,400 435,060	69,542,555 22,333,090 12,457,480 9,341,430 3,928,890 1,702,830	65,324,776 23,798,173 13,563,070 9,549,403 5,055,270 2,358,530	32,962,925 15,200,189 9,970,300 8,415,326 4,304,725 2,307,820	35 36 37 38 39 40
2,823,394 752,192 490,220 5,677,916 3,073,892 1,439,293	2,516,923 620,642 486,760 2,847,418 1,753,544 1,155,870	2,703,763 850,600 555,160 2,818,407 3,245,832 2,005,259	6,093,868 1,644,956 957,600 9,237,468 4,425,057 2,416,332	1,120,830 292,899 92,620 2,990,641 932,596 353,484	1,527,814 285,825 480,864 3,312,935 1,000,136 746,568	1,888,172 480,864 250,330 3,312,935 1,000,136 746,568	5,115,926 1,419,758 1,044,520 5,073,224 3,788,187 2,481,721	1,849,820 671,924 352,310 3,295,267 1,775,098 1,010,422	556,997 230,635 145,900 1,069,990 745,104 429,883	885,368 163,020 214,820 1,232,445 541,029 637,564	3,434,565 971,575 598,000 5,407,942 2,999,711 1,725,879	3,704,170 1,271,143 709,490 6,235,582 3,500,993 1,903,080	2,476,853 727,941 475,050 4,583,458 2,520,637 1,443,063	41 42 43 44 45 46
44,189 39,976 166.61	21,526 18,761 63.02	26,151 22,250 110.17	15,454 13,141 63.71	13,247 11,031 38.42	8,729 7,266 49.23	46,141 41,759 100.00	20,488 17,919 59.50	21,071 18,216 69.93	13,308 11,655 149.01	16,231 13,896 46.00	34,430 30,959 132.44	27,837 24,557 111.64	20,173 17,127 110.97	47 48 49
927 974 1,121 45.9 197,532 184,441 37,449,596	1,321 1,297 1,096 68.1 307,996 246,720 22,447,072	1,582 1,636 1,875 89.2 248,623 200,303 34,221,310	5,441 1,943 5,509 82.1 864,820 527,833 67,929,774	1,039 1,062 85.1 238,961 183,785 11,230,955	2,841 1,943 1,360 62.0 299,640 110,427 20,160,861	531 551 585 44.7 122,012 108,345 21,886,065	3,052 2,859 3,540 72.7 733,900 567,354 51,623,412	1,258 1,321 1,618 69.8 260,134 194,287 22,490,474	767 833 600 78.0 30,602 23,209 7,194,553	705 428 1,259 77.7 175,091 123,480 0,596,489	1,486 1,519 1,814 58.3 299,528 258,482 46,115,490	1,843 2,015 2,344 60.4 344,296 302,514 44,620,749	1,906 1,928 2,266 78.9 223,716 163,700 31,411,771	50 51 52 53 54 55 56
678 249 560 367	955 366 630 691	1,375 207 1,298 283	4,499 942 2,806 2,635	776 263 411 628	2,622 219 1,227 1,610	383 148 291 240	2,193 913 1,327 1,725	983 275 718 540	723 44 377 389	468 237 335 370	1,229 287 905 577	1,586 257 1,132 711	1,096 510 1,326 580	57 58 59 60 61
11 9 15 2,470 2,430 517,500	13 19 13 3,659 2,593 345,110	44 18 16 10,852 7,774 1,813,444	42 32 44 12,892 8,055 1,161,986	6 11 2,160 1,590 110,200	15 12 7 2,665 783 197,500	12 11 5 3,940 136,293 586,800	37 7 46 14,808 11,088 1,279,030	26 7 8 7,334 5,194 524,380	19 26 9 8,609 4,205 1,830,560	3 14 10 940 825 61,000	23 14 24 6,700 5,022 831,000	58 23 17 12,818 10,582 1,645,550	27 63 64 5,169 3,976 768,921	62 63 64 65 66 67
1,080 890 615 53.5 237,606 215,385 42,705,259	606 337 229 31.2 177,703 151,896 13,604,842	661 656 648 28.9 116,746 95,646 15,851,052	1,144 796 674 17.3 218,027 147,618 17,990,489	176 141 14.4 43,567 29,098 2,127,310	232 111 49 54.3 31,113 10,786 2,078,530	644 493 407 54.3 150,419 136,293 27,095,213	1,111 626 454 26.5 320,389 263,793 22,355,001	518 321 251 28.7 113,660 88,793 9,809,790	197 208 314 20.0 13,287 8,781 2,432,200	199 778 116 21.9 48,698 36,181 2,946,420	1,039 778 510 40.8 218,846 193,422 31,937,495	1,148 833 662 37.7 228,042 198,675 28,607,880	483 435 386 70.0 68,156 49,556 9,207,559	68 69 70 71 72 73 74
123 468 454 35 779 301	461 67 60 18 463 143	403 24 225 9 603 58	709 97 285 53 926 217	131 8 24 13 117 58	71 3 127 31 168 65	70 352 191 31 457 187	892 68 122 34 846 205	303 78 123 14 409 109	6 2 109 20 122 65	150 11 163 59 795 241	335 477 163 59 851 267	504 301 285 58 411 71	277 19 186 1 411 71	75 76 77 78 79 80 81

² Pennington County organized from part of Red Lake County in 1910, but prior to Thirteenth Census date (Apr. 15).

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

	Rock.	Roseau.	St. Louis.	Scott.	Sherburne.	Sibley.	Stearns.	Steele.
ALL FARMS.								
Number of farms, 1920.....	1,307	1,854	4,271	1,628	1,400	2,111	4,598	1,860
1910.....	1,205	1,602	2,465	1,520	1,190	2,055	4,255	1,824
1900.....	1,189	1,444	696	1,049	1,054	2,177	4,440	1,801
All farmers classified by sex, 1920:								
Male.....number..	1,289	1,777	4,128	1,559	1,302	2,071	4,437	1,213
Female.....number..	18	77	143	69	38	40	161	647
Color and nativity of all farmers, 1920:								
Native white.....number..	770	788	732	1,295	925	1,507	3,190	1,271
Foreign-born white.....number..	531	1,096	3,534	333	475	544	1,402	589
Negro and other nonwhite.....number..			5					
All farms classified by size, 1920:								
Under 3 acres.....number..	1		20	9	1	2	9	
3 to 9 acres.....number..	11	4	139	53	4	15	83	20
10 to 19 acres.....number..	4	9	133	31	8	19	68	47
20 to 49 acres.....number..	31	34	1,377	114	100	60	257	117
50 to 99 acres.....number..	66	138	1,071	430	317	261	638	403
100 to 174 acres.....number..	554	881	1,234	655	536	997	1,769	833
175 to 259 acres.....number..	221	233	169	239	268	520	1,084	304
260 to 499 acres.....number..	390	425	113	92	143	229	638	122
500 to 999 acres.....number..	28	73	11	5	21	8	49	5
1,000 acres and over.....number..	1	7	4		2		3	
LAND AND FARM AREA.								
Approximate land area, 1920.....acres..	314,880	1,068,800	4,161,920	234,240	286,720	374,400	871,680	275,840
Land in farms, 1920.....acres..	292,804	416,204	402,314	210,218	224,929	355,809	780,899	259,215
1910.....acres..	288,351	315,106	272,995	207,884	204,537	357,265	761,242	262,555
1900.....acres..	288,397	236,081	59,950	214,554	170,105	357,840	731,323	263,371
Improved land in farms, 1920.....acres..	267,541	212,214	93,471	120,194	127,894	273,705	499,223	213,245
1910.....acres..	270,719	157,332	41,111	133,661	110,927	283,904	462,316	225,399
1900.....acres..	267,427	74,336	11,406	123,320	98,639	267,643	420,428	226,873
Woodland in farms, 1920.....acres..	5,194	90,517	210,620	38,740	50,401	27,870	162,081	12,611
Other unimproved land in farms, 1920.....acres..	20,069	113,563	95,260	51,284	40,634	54,234	119,595	33,359
Per cent of land area in farms, 1920.....	93.0	38.9	9.7	89.7	78.4	95.0	89.6	94.0
Per cent of farm land improved, 1920.....	91.4	51.0	23.2	57.2	56.9	76.9	63.9	82.3
Average acreage per farm, 1920.....	224.0	224.5	94.2	129.1	160.7	168.5	169.8	139.4
Average improved acreage per farm, 1920.....	204.7	114.5	21.0	73.8	91.4	129.7	108.6	114.6
VALUE OF FARM PROPERTY.								
All farm property, 1920.....dollars..	74,415,126	15,867,819	19,359,240	31,735,437	20,015,189	53,751,195	87,792,388	41,437,249
1910.....dollars..	25,297,625	6,135,882	6,798,209	14,610,955	7,432,444	22,006,868	34,548,484	19,032,988
1900.....dollars..	10,700,614	2,220,543	1,152,486	8,738,720	3,420,146	13,148,368	18,633,814	12,960,568
Land in farms, 1920.....dollars..	61,218,799	10,438,011	10,178,641	22,741,527	13,691,493	38,033,992	62,281,383	27,912,114
1910.....dollars..	19,493,160	3,875,880	4,093,676	10,034,955	4,678,208	15,240,968	24,361,627	12,143,090
1900.....dollars..	8,163,410	1,422,130	650,660	5,993,540	2,063,230	9,362,280	13,022,280	9,507,150
Farm buildings, 1920.....dollars..	6,534,780	2,407,203	5,385,763	4,916,250	3,350,560	8,229,255	13,000,030	7,612,605
1910.....dollars..	2,759,525	943,988	1,674,623	2,522,625	1,488,205	3,675,471	4,745,474	3,868,665
1900.....dollars..	978,990	281,890	259,780	1,455,120	572,070	2,020,300	2,619,020	1,717,090
Implements and machinery, 1920.....dollars..	2,228,561	1,213,008	1,190,238	1,344,023	1,148,163	2,829,096	4,215,894	2,072,990
1910.....dollars..	589,025	344,732	278,049	504,736	338,151	795,439	1,374,117	727,994
1900.....dollars..	360,870	102,550	45,710	275,420	147,720	453,590	744,380	368,520
Live stock on farms, 1920.....dollars..	4,432,986	1,809,697	2,598,598	2,733,637	1,824,973	4,058,252	7,605,081	3,839,540
1910.....dollars..	2,455,915	971,282	751,861	1,548,039	927,880	2,291,990	4,067,266	2,293,239
1900.....dollars..	1,203,644	413,973	190,436	1,014,640	637,126	1,312,198	2,448,124	1,373,798
Average values, 1920:								
All property per farm.....dollars..	56,936	8,559	4,533	19,494	14,297	25,462	19,004	22,278
Land and buildings per farm.....dollars..	51,839	6,928	3,644	16,089	12,173	22,200	16,523	19,099
Land alone per acre.....dollars..	209.08	25.07	25.30	108.18	60.87	103.53	79.76	107.68
FARMS OPERATED BY OWNERS.								
Number of farms, 1920.....	528	1,684	4,069	1,332	1,127	1,547	3,767	1,395
1910.....	512	1,600	2,357	1,209	984	1,572	3,551	1,457
1900.....	568	1,422	638	1,372	832	1,809	3,701	1,492
Per cent of all farms, 1920.....	40.4	90.8	95.3	81.8	80.5	73.3	81.9	75.0
Land in farms, 1920.....acres..	112,271	371,487	373,701	167,936	173,864	254,593	622,719	186,111
Improved land in farms, 1920.....acres..	103,364	188,637	85,659	95,926	98,117	193,684	391,858	154,321
Value of land and buildings, 1920.....dollars..	27,171,500	11,348,159	13,698,419	22,325,667	12,989,673	34,024,633	60,308,207	25,563,274
Degree of ownership, 1920:								
Farmers owning entire farm.....number..	428	1,377	3,012	1,189	949	1,386	3,396	1,272
Farmers hiring additional land.....number..	100	307	157	143	178	161	371	123
Color and nativity of owners, 1920:								
Native white owners.....number..	289	668	671	1,034	693	1,116	2,494	882
Foreign-born white owners.....number..	239	1,016	3,394	298	434	431	1,273	513
Negro and other nonwhite owners.....number..			4					
FARMS OPERATED BY MANAGERS.								
Number of farms, 1920.....	9	11	56	6	5	12	26	18
1910.....	8	3	30	13	9	29	22	13
1900.....	10	2	4	7	14	15	27	15
Land in farms, 1920.....acres..	2,970	3,171	18,434	1,266	2,130	1,902	7,371	2,879
Improved land in farms, 1920.....acres..	2,527	1,496	4,679	420	1,025	1,465	3,746	2,574
Value of land and buildings, 1920.....dollars..	1,185,900	92,740	1,321,825	149,650	104,750	274,125	730,080	570,400
FARMS OPERATED BY TENANTS.								
Number of farms, 1920.....	770	159	146	200	268	552	805	447
1910.....	685	99	78	298	197	454	682	354
1900.....	591	20	54	270	158	353	721	294
Per cent of all farms, 1920.....	58.9	8.6	3.4	17.8	19.1	26.1	17.6	24.0
Land in farms, 1920.....acres..	177,563	41,636	10,213	41,016	48,885	90,814	150,809	70,225
Improved land in farms, 1920.....acres..	161,650	22,081	3,233	23,848	28,752	78,556	103,619	50,350
Value of land and buildings, 1920.....dollars..	30,393,179	1,404,315	544,160	5,182,460	3,047,030	12,564,589	14,933,126	9,391,045
Form of tenancy, 1920:								
Share tenants.....number..	94	106	21	67	157	207	414	218
Share-cash tenants.....number..	163	3		22	12	91	97	12
Cash tenants.....number..	501	43	115	183	72	254	294	203
Unspecified.....number..	12	7	10	18	27			14
Color and nativity of tenants, 1920:								
Native white tenants.....number..	478	80	38	255	229	439	680	375
Foreign-born white tenants.....number..	292	79	107	35	39	113	125	72
Negro and other nonwhite tenants.....number..			1					

¹ The correction of errors discovered after the 1900 census reports were published would make the improved land in farms for Stevens County 250,151 acres.

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Stevens.	Swift.	Todd.	Traverse.	Wabasha.	Wadena.	Waseca.	Washing- ton.	Watson- wan.	Wilkin.	Winona.	Wright.	Yellow Medicine.	Indian res.	
1,168 1,015 1,156	1,781 1,537 1,795	3,521 2,994 3,034	1,035 942 1,086	1,831 1,787 1,917	1,326 1,004 990	1,609 1,567 1,672	2,014 1,943 1,843	1,402 1,269 1,291	1,163 986 1,117	2,150 2,141 2,359	3,937 3,814 3,992	2,109 1,838 1,872	..... ..... 348	1 2 3
1,144 19	1,736 45	3,426 95	1,015 20	1,778 53	1,288 38	1,552 57	1,940 74	1,370 32	1,136 27	2,092 58	3,805 132	2,067 42	..... .....	4 5
797 366	1,208 573	2,275 1,244 2	715 320	1,401 369 1	790 536	1,288 321	1,368 646	977 425	815 347 1	1,706 443 1	2,231 1,706	1,359 747 3	..... ..... .....	6 7 8
1 2 3 12 34	1 9 5 28 94	..... 26 23 310 964	1 3 2 8 12	4 40 64 90 240	3 12 6 120 307	1 12 11 56 321	15 83 91 291 608	1 24 14 29 140	..... 1 2 5 20	7 57 48 138 301	4 116 127 466 1,475	4 9 10 26 118	..... ..... ..... ..... .....	9 10 11 12 13
331 254 457 66 8	519 441 603 76 5	1,469 509 206 14	244 181 488 88 8	673 427 271 20 2	512 211 132 21 2	777 296 132 3	600 225 82 13 1	585 372 226 10 1	192 212 562 151 18	748 476 342 30 3	1,375 274 97 2 1	802 605 503 32 .....	..... ..... ..... ..... .....	14 15 16 17 18
360,960 316,008 304,926 312,031	474,240 447,789 408,661 414,960	612,480 474,951 424,221 365,988	363,520 321,002 317,557 321,708	346,240 317,759 320,894 324,531	344,320 206,603 158,666 141,375	275,840 248,191 256,347 262,467	254,080 221,953 226,312 214,858	277,760 250,566 251,064 255,815	476,800 402,139 335,086 318,998	407,680 373,215 374,234 371,850	442,240 403,305 399,328 383,908	476,860 458,050 451,719 423,714	..... ..... 87,492	19 20 21 22
279,283 264,518 350,151 3,419 33,306	301,029 362,277 343,863 7,855 48,905	243,393 201,083 151,002 135,567 95,091	300,530 304,208 265,563 5,120 15,352	223,222 229,613 227,689 57,145 37,392	102,323 69,703 61,284 69,640 34,640	193,270 260,512 225,134 152,851 40,414 24,680	156,859 152,747 145,851 219,558 4,606 28,961	225,999 225,847 267,704 219,558 2,671 9,781	389,687 318,237 237,074 280,098 111,730 28,244	233,241 237,792 215,436 71,879 71,120	260,300 237,792 215,436 71,879 71,120	388,729 379,135 353,000 11,024 57,397	..... ..... 24,008	23 24 25 26 27
87.5 88.4 271.7 240.1	94.4 87.3 251.4 219.6	77.5 51.2 134.9 69.1	88.3 93.6 310.1 290.4	91.8 70.2 173.5 121.9	60.0 49.6 155.7 77.2	90.0 77.9 154.3 120.1	87.4 70.7 110.2 77.9	93.4 87.1 185.1 161.2	84.3 96.9 345.8 335.1	91.5 62.5 173.6 108.5	91.2 64.5 102.4 66.1	95.6 84.9 217.2 184.3	..... ..... ..... .....	28 29 30 31
36,860,094 13,774,101 6,653,261	50,274,447 18,206,728 9,461,736	45,617,793 15,854,493 8,425,069	34,905,549 16,286,339 7,024,849	41,954,182 19,702,340 12,080,170	14,405,238 4,697,499 2,034,921	40,980,885 17,289,607 12,602,254	30,842,402 16,334,539 9,062,150	46,305,552 16,300,220 9,566,562	37,315,590 15,832,394 7,262,265	43,221,093 22,718,884 14,371,809	67,483,992 27,922,225 14,108,289	71,592,813 24,697,037 12,069,526	..... ..... 1,082,400	32 33 34
28,960,240 10,205,020 4,734,980 3,935,115 1,078,570 839,790	38,920,239 13,193,253 6,864,510 5,574,005 2,409,185 1,156,780	30,528,770 10,389,685 6,027,330 8,422,080 2,911,150 1,093,040	27,191,274 12,346,742 5,314,080 3,701,965 1,919,090 792,540	27,852,985 13,530,700 8,600,910 7,826,180 3,270,015 1,797,960	9,813,750 3,080,759 1,314,530 2,390,405 788,070 284,990	29,483,410 11,821,583 9,164,340 6,257,174 3,108,342 1,727,340	18,807,877 10,200,287 6,130,030 6,911,611 3,819,465 1,699,530	34,957,494 11,606,795 7,006,990 5,671,458 2,434,365 1,225,400	29,197,150 11,694,407 5,400,700 3,900,332 1,920,558 745,930	27,885,099 14,711,291 10,182,780 8,723,701 4,431,690 2,312,390	45,241,359 17,927,363 9,493,540 12,648,281 5,730,905 2,414,470	55,504,048 17,892,176 9,630,800 3,527,948 3,392,948 1,339,790	..... 818,030 114,370	35 36 37 38 39 40
1,564,859 450,700 326,930 2,309,880 1,349,901 751,551	2,202,673 674,777 401,830 3,576,930 1,920,513 1,048,666	2,454,377 601,620 350,020 4,212,566 1,952,008 948,679	1,705,203 556,708 282,000 2,307,107 1,473,799 636,229	2,190,896 743,372 203,489 398,360 4,084,121 1,282,940	708,372 557,150 112,700 369,390 1,402,711 322,641	2,020,474 587,150 310,910 3,219,827 1,839,606 1,241,184	1,875,322 505,927 302,890 3,771,510 1,728,057 921,080	1,905,090 555,927 302,890 3,771,510 1,728,057 1,031,282	2,049,902 555,927 323,400 2,102,206 1,351,746 722,235	2,200,974 994,202 461,120 4,411,310 2,710,311 1,415,519	3,339,088 994,202 553,970 6,255,264 3,269,750 1,046,309	3,201,333 536,964 456,420 4,498,984 2,484,949 1,245,516	..... ..... 65,390 64,716	41 42 43 44 45 46
31,694 28,285 91.64	28,228 24,983 86.92	12,956 11,002 64.28	33,725 29,849 84.71	22,913 19,486 87.65	10,864 9,196 47.52	25,470 22,213 118.79	15,314 12,770 84.74	33,028 28,979 134.68	32,086 28,615 72.60	20,103 17,027 74.72	17,141 14,704 112.18	33,946 30,266 121.17	..... ..... .....	47 48 49
615 664 971 52.9 165,697 147,717 17,242,665	1,134 1,129 1,481 63.0 284,167 248,343 28,379,819	2,386 2,577 2,695 43.6 378,850 190,798 30,843,110	451 569 830 60.5 187,817 129,075 13,765,908	1,273 1,297 1,437 84.3 216,031 149,602 24,653,565	1,118 879 889 71.2 168,385 82,316 9,756,105	1,145 1,584 1,517 77.4 171,840 133,211 24,907,817	1,558 1,584 1,517 60.8 163,396 114,519 18,757,073	853 864 956 54.9 148,133 129,124 23,843,812	639 604 873 54.9 217,844 210,532 18,362,171	1,604 1,596 1,852 74.6 268,855 167,818 26,557,880	3,291 3,252 3,447 63.0 332,465 214,595 47,873,985	1,824 1,279 1,539 62.8 270,520 239,009 39,501,761	..... ..... 279	50 51 52 53 54 55 56
459 156	831 303	2,592 294	357 94	1,107 166	977 141	1,342 216	658 195	353 286	1,470 134	2,877 414	1,085 259	772 550 2	..... ..... .....	57 58 59
353 257	678 456	1,727 1,157 2	258 193	979 204	610 508	898 247	983 575	536 317	393 246	1,220 333 1	1,688 1,003	772 550 2	..... ..... .....	60 61
5 15 10 1,380 1,189 168,800	8 11 10 1,608 952 144,160	6 25 17 1,485 1,109 135,600	18 16 14 5,667 5,196 544,600	10 12 12 1,264 925 165,500	10 2 4 2,864 1,300 97,450	13 6 10 2,963 2,535 555,850	50 41 23 11,000 7,725 1,571,750	16 11 5 5,321 4,406 852,620	16 10 18 8,938 4,364 836,775	19 11 11 2,289 1,285 404,680	19 25 12 6,122 4,356 773,700	..... ..... ..... ..... .....	..... ..... 2	62 63 64 65 66 67
543 336 176 46.7 148,931 180,377 15,493,890	639 397 304 35.9 162,014 141,784 15,970,865	629 392 322 17.9 94,616 51,486 7,972,140	566 357 242 54.7 177,518 166,259 16,592,641	548 478 418 29.8 99,844 18,707 10,890,100	198 123 97 14.9 35,254 57,524 2,340,600	451 318 303 20.2 73,888 34,615 10,276,917	406 394 390 35.0 47,557 92,469 5,390,665	533 394 221 39.0 106,112 92,469 15,932,520	508 363 492 43.7 175,357 170,738 13,964,536	527 527 534 24.5 99,908 63,594 0,646,240	627 551 534 15.9 68,551 44,420 9,649,265	766 534 321 36.3 172,408 145,274 23,496,535	..... ..... 67	68 69 70 71 72 73 74
192 280 54 17	306 194 108 31	322 21 285 1	367 138 29 32	226 124 196 2	135 7 50	196 40 215	78 20 308	146 174 205 8	285 139 24 16	25 20 334 1	227 20 202 37	295 202 247 22	..... ..... ..... .....	75 76 77 78
436 107	524 115	543 86	445 121	474 73	171 27	378 73	346 60	427 108	413 94 1	471 56	524 103	574 191 1	..... ..... .....	79 80 81

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

	THE STATE.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.
DOMESTIC ANIMALS: 1920.								
1 Farms reporting domestic animals.....number..	173,034	1,881	1,538	2,532	2,596	1,536	999	2,896
2 Value of all domestic animals.....dollars..	293,373,818	1,632,923	1,910,953	2,837,569	1,571,259	2,218,239	2,167,940	5,688,755
Horses:								
3 Total number.....	932,794	4,726	5,502	11,718	5,388	6,701	8,385	17,476
4 Colts under 1 year of age.....	46,587	255	101	526	195	386	373	1,201
5 Colts 1 year old and under 2 years.....	60,272	233	238	722	204	435	495	1,269
6 Mares 2 years old and over.....	432,615	2,179	2,599	5,502	2,446	3,121	3,949	8,142
7 Geldings 2 years old and over.....	359,347	2,019	2,542	4,888	2,470	2,735	3,535	6,790
8 Stallions 2 years old and over.....	3,973	39	22	80	73	24	33	74
9 Total value.....dollars..	83,027,777	473,420	513,652	1,023,791	555,153	610,401	746,735	1,439,761
Mules:								
10 Total number.....	10,238	113	60	92	140	64	128	179
11 Mule colts under 1 year of age.....	1,055	3	2	5	1	7	18	40
12 Mule colts 1 year old and under 2 years.....	1,030	4	4	-----	3	1	25	21
13 Mules 2 years old and over.....	8,153	106	54	87	136	56	85	118
14 Total value.....dollars..	1,062,973	11,576	6,760	9,490	16,740	6,980	14,303	18,252
Asses and burros:								
15 Total number.....	201	-----	-----	4	3	1	1	2
16 Total value.....dollars..	26,794	-----	-----	180	85	25	300	1,200
Cattle:								
17 Total number.....	3,021,469	19,407	20,898	35,062	17,896	29,872	19,976	51,835
18 Total value.....dollars..	151,243,703	982,302	1,244,308	1,510,474	831,748	1,328,792	904,198	2,817,368
Beef cattle—								
19 Total number.....	940,842	1,472	1,019	6,595	1,954	5,925	10,600	19,365
20 Calves under 1 year of age.....	248,319	354	137	1,917	751	2,331	2,632	4,551
21 Heifers 1 year old and under 2 years.....	112,417	180	100	551	174	344	1,266	2,371
22 Cows and heifers 2 years old and over.....	252,183	399	205	1,444	437	709	2,995	6,261
23 Steers 1 year old and under 2 years.....	182,242	368	342	1,546	328	1,769	2,362	3,261
24 Steers 2 years old and over.....	120,620	117	205	913	197	691	1,015	2,375
25 Bulls 1 year old and over.....	25,061	54	30	224	67	81	280	546
26 Total value.....dollars..	42,804,788	74,711	52,612	252,958	77,995	190,278	482,284	995,687
Dairy cattle—								
27 Total number.....	2,080,627	17,935	19,879	28,467	15,942	23,947	9,376	32,470
28 Calves under 1 year of age.....	479,210	4,987	3,922	7,922	4,901	4,961	2,389	6,998
29 Heifers 1 year old and under 2 years.....	303,279	2,543	2,974	4,139	2,205	3,021	1,376	4,715
30 Cows and heifers 2 years old and over.....	1,229,179	9,855	12,329	15,479	8,316	14,573	5,327	19,763
31 Bulls 1 year old and over.....	68,959	550	654	927	520	792	284	994
32 Total value.....dollars..	108,438,935	907,691	1,191,691	1,257,516	753,753	1,138,514	421,914	1,821,681
Sheep:								
33 Total number.....	509,064	7,281	663	8,276	8,492	4,692	3,707	7,319
34 Lambs under 1 year of age.....	136,685	2,025	194	2,027	2,365	1,210	1,015	1,998
35 Ewes 1 year old and over.....	351,691	4,884	448	5,864	5,694	3,279	2,553	5,031
36 Rams 1 year old and over.....	14,073	245	21	245	242	183	87	187
37 Wethers 1 year old and over.....	6,615	127	-----	140	191	20	52	103
38 Total value.....dollars..	5,748,518	78,835	5,721	86,729	85,882	53,874	46,265	77,764
Goats:								
39 Total number.....	2,745	37	21	55	133	10	7	2
40 Total value.....dollars..	18,180	299	192	415	956	80	37	15
Swine:								
41 Total number.....	2,380,862	4,366	7,425	9,322	4,110	10,084	20,762	61,318
42 Pigs under 6 months old.....	627,745	2,143	2,573	2,805	1,892	3,455	3,652	17,462
43 Sows and gilts for breeding, 6 months old and over.....	617,538	1,186	1,008	2,852	1,138	2,992	4,896	15,880
44 Boars for breeding, 6 months old and over.....	52,436	136	136	323	142	319	402	1,807
45 All other hogs, 6 months old and over.....	1,083,143	901	3,103	3,342	938	3,318	11,812	26,069
46 Total value.....dollars..	52,245,873	86,482	146,325	206,520	80,695	209,087	450,102	1,334,395
POULTRY AND BEES: 1920.								
47 Chickens.....number..	13,212,619	48,376	86,222	120,368	62,143	83,876	80,383	283,484
48 Other poultry.....number..	450,824	1,146	1,962	4,457	1,582	3,352	5,612	12,523
49 Value of all poultry.....dollars..	11,405,427	42,920	83,488	89,459	58,074	63,104	77,150	273,507
50 Bees.....number of hives..	67,344	857	773	192	697	899	122	2,097
51 Total value.....dollars..	384,580	6,309	4,596	1,634	5,671	3,724	780	9,515
LIVE-STOCK PRODUCTS: 1919.								
Dairy products:								
52 Milk produced (as reported).....gallons..	388,217,369	4,134,496	4,055,220	5,132,567	3,021,098	3,244,708	1,744,699	6,883,296
53 Milk sold.....gallons..	43,151,896	32,174	2,442,650	86,179	126,700	127,529	38,235	285,217
54 Cream sold.....gallons..	5,888,538	73,550	57,012	64,556	47,696	138,836	16,701	91,842
55 Butter fat sold.....pounds..	82,412,061	675,063	209,379	1,020,232	320,246	770,990	188,828	1,581,509
56 Butter made on farms.....pounds..	20,205,076	273,521	140,993	418,292	333,721	138,914	208,201	192,338
57 Butter sold.....pounds..	4,392,185	34,174	81,326	70,426	119,764	14,643	34,653	127,993
58 Cheese made on farms.....pounds..	71,820	585	30	89	570	-----	110	70
59 Value of dairy products ¹.....dollars..	77,870,358	627,299	847,414	877,708	478,895	725,536	230,765	1,333,553
60 Receipts from sale of dairy products.....dollars..	69,768,098	500,106	815,613	709,947	351,644	659,640	147,396	1,299,201
61 Average production of milk per dairy cow.....gallons..	354	457	354	403	403	317	284	326
Eggs and chickens:								
62 Eggs produced (as reported).....dozens..	56,420,490	208,461	408,654	523,056	262,382	388,051	319,888	1,198,506
63 Eggs sold.....dozens..	37,689,899	99,352	205,035	323,518	109,177	218,678	182,147	850,187
64 Chickens raised (as reported).....number..	13,149,873	52,564	98,825	109,181	73,479	126,390	83,105	280,521
65 Chickens sold.....number..	5,022,749	17,319	34,033	38,396	18,632	22,478	30,079	123,793
66 Value of chickens and eggs produced.....dollars..	30,692,226	117,569	242,388	255,129	163,105	226,810	166,036	648,771
67 Receipts from sale of chickens and eggs.....dollars..	17,506,849	50,289	107,834	137,676	58,958	92,400	82,223	391,921
Honey and wax:								
68 Honey produced.....pounds..	1,251,102	20,015	12,925	3,719	18,110	18,409	1,720	34,654
69 Wax produced.....pounds..	15,470	569	192	110	178	237	15	453
70 Value of honey and wax.....dollars..	368,855	6,026	3,823	1,122	5,321	5,431	505	10,227
Wool:								
71 Sheep shorn.....number..	339,884	4,728	379	5,604	5,810	4,079	2,769	4,722
72 Wool produced (as reported).....pounds..	2,488,907	30,632	2,712	35,950	38,203	28,808	21,864	37,510
73 Value.....dollars..	1,279,908	15,254	1,407	17,377	19,503	13,451	10,979	18,963

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.....	36,801	377	270	531	571	278	218	568
2 Horses, total number.....	56,746	618	222	996	1,235	316	349	791
3 Mules, total number.....	1,306	16	3	10	24	5	22	7
4 Asses and burros, total number.....	51	1	-----	-----	-----	-----	4	1
5 Cattle, total number.....	55,986	1,030	372	1,285	685	301	406	583
6 Dairy cows.....	36,185	565	271	609	400	250	256	430
7 Sheep, total number.....	6,973	349	-----	40	213	2	1	9
8 Goats, total number.....	306	8	5	4	1	-----	1	3
9 Swine, total number.....	33,339	296	82	448	382	121	456	602

1920; AND LIVE-STOCK PRODUCTS, 1919.

Brown.	Carlton.	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Clearwater.	Cook.	Cottonwood.	Crow Wing.	Dakota.	Dodge.	Douglas.	
1,924	1,831	1,952	1,515	1,592	2,145	1,924	1,183	124	1,784	1,247	2,302	1,606	2,446	1
3,630,260	1,457,370	3,539,091	1,352,704	3,445,116	2,801,840	3,515,113	1,032,317	64,509	4,103,415	1,251,510	4,099,362	3,802,307	3,194,367	2
12,610	3,977	8,552	4,578	11,567	7,259	16,190	3,810	147	14,037	3,954	11,623	9,934	11,069	3
632	131	335	227	469	183	664	160	1	890	154	528	150	565	4
795	190	500	287	658	334	904	212	2	1,242	194	724	735	641	5
5,839	1,825	3,900	2,200	5,498	3,270	7,361	1,713	49	6,776	1,870	5,178	4,748	5,702	6
5,290	1,809	3,794	1,837	4,916	3,453	7,174	1,679	91	5,663	1,705	5,128	3,790	4,744	7
24	22	23	47	26	19	87	37	4	57	31	67	41	47	8
1,054,533	494,670	836,259	403,734	946,129	780,862	1,506,341	379,948	21,850	1,190,895	379,886	1,156,346	845,680	933,632	9
131	23	56	157	132	25	204	77	2	185	40	99	113	46	10
16	-----	3	3	8	-----	6	5	-----	27	-----	2	36	-----	11
13	-----	6	9	11	1	12	12	-----	30	-----	2	5	-----	12
102	23	47	145	113	24	186	60	2	128	40	95	72	41	13
14,592	3,045	6,950	18,323	13,780	2,725	19,660	8,339	400	18,121	4,735	9,789	10,611	4,275	14
2	2	3	2	2	-----	3	-----	-----	8	5	2	2	-----	15
50	60	150	110	25	-----	160	-----	-----	310	150	180	800	-----	16
37,369	14,327	35,071	16,241	31,740	33,452	29,570	13,182	596	41,085	15,342	34,790	40,611	40,867	17
1,063,266	854,806	2,120,492	703,270	1,561,566	1,751,022	1,727,800	547,432	36,234	1,756,673	713,478	2,317,912	2,360,211	1,814,180	18
11,834	384	1,852	2,122	14,779	3,333	7,007	1,845	58	21,465	1,806	9,229	8,563	10,231	19
2,654	150	197	564	3,900	658	2,041	502	29	5,997	1,339	1,523	1,523	2,080	20
1,479	60	239	270	1,934	269	711	222	3	2,877	129	649	868	1,275	21
3,307	105	294	709	4,357	264	1,451	620	11	5,861	217	1,833	2,090	3,186	22
2,214	52	541	405	2,404	1,208	1,585	321	9	3,919	597	2,264	2,702	2,128	23
1,782	9	549	97	1,730	899	915	114	5	2,207	236	2,987	1,220	1,304	24
398	8	32	77	454	35	304	66	1	604	28	157	142	250	25
539,829	17,567	101,406	94,540	750,388	153,494	290,984	71,214	1,998	891,823	63,034	614,447	435,294	406,963	26
25,535	13,943	33,819	14,119	16,901	30,119	22,572	11,337	538	19,620	13,536	25,570	32,048	30,636	27
5,170	3,025	4,937	3,004	4,292	6,071	5,855	3,534	144	4,990	3,358	4,774	7,703	7,080	28
3,346	2,056	4,079	2,264	2,277	4,602	3,110	1,604	78	2,651	2,116	3,753	4,988	4,305	29
16,113	7,847	23,577	7,497	9,766	18,377	12,789	5,860	303	11,388	7,615	16,095	18,415	17,504	30
906	415	1,226	394	1,226	1,069	818	339	13	585	447	948	1,147	942	31
1,123,427	837,239	2,019,086	668,730	811,208	1,597,528	1,430,876	476,218	34,236	884,850	650,444	1,703,465	1,930,917	1,407,236	32
3,314	3,577	1,460	7,417	2,839	1,372	5,730	4,678	233	5,424	6,813	2,139	1,996	6,582	33
1,032	812	367	1,907	1,060	315	1,411	1,293	4	1,333	1,365	1,390	1,906	1,814	34
2,092	2,589	991	5,276	1,650	945	4,017	3,243	221	3,830	5,237	1,522	1,441	4,580	35
124	155	94	173	75	77	151	133	8	132	160	47	158	36	36
66	21	8	61	54	35	151	9	-----	129	45	55	18	30	37
35,311	48,142	17,042	83,253	20,854	15,625	73,451	41,967	4,514	67,541	70,510	24,332	25,985	71,634	38
23	16	1	78	3	6	44	58	-----	7	116	10	5	7	39
129	124	5	506	23	50	227	357	-----	57	689	68	33	38	40
44,234	2,680	29,753	4,372	39,125	10,490	8,296	2,577	56	53,244	3,779	28,337	26,072	17,224	41
10,005	1,413	14,440	1,730	7,033	3,176	1,875	903	24	9,697	1,488	9,635	5,605	5,040	42
10,835	654	5,803	1,899	9,495	2,670	2,388	890	15	13,026	1,183	5,978	6,973	5,022	43
934	95	582	161	868	197	284	114	4	1,003	125	590	1,439	439	44
22,400	518	8,928	1,082	21,729	4,453	3,749	670	13	29,518	983	13,239	8,974	6,723	45
862,389	56,523	558,193	83,508	893,709	251,556	187,414	54,274	1,511	1,069,818	82,002	590,235	552,987	370,599	46
223,663	56,444	200,362	52,623	176,161	127,066	127,259	41,716	3,201	198,854	50,191	102,290	148,562	161,623	47
8,957	591	4,311	1,494	5,343	829	5,719	825	14	7,039	1,188	4,044	7,049	7,841	48
181,085	57,520	154,557	49,602	141,074	94,906	102,748	31,740	3,206	174,306	49,285	154,178	140,799	121,263	49
752	298	1,263	725	359	827	58	268	-----	601	1,096	1,272	1,272	602	50
4,377	2,034	5,996	5,411	1,701	6,835	594	1,602	-----	2,693	6,489	4,230	4,895	2,925	51
3,808,074	3,341,846	7,895,487	2,774,779	2,551,978	6,453,855	3,707,347	2,550,043	163,687	3,814,048	2,596,820	5,520,281	6,510,409	5,933,151	52
81,921	389,663	2,165,915	105,125	121,104	790,380	447,887	25,673	4,196	52,905	143,302	2,045,999	3,120,895	123,872	53
235,394	50,660	15,111	28,516	40,613	84,678	44,666	4,176	405	37,977	21,827	73,524	43,444	35,968	54
505,235	493,277	2,122,976	467,281	421,140	1,490,570	455,875	532,265	6,797	737,374	384,487	542,717	981,324	1,260,110	55
110,457	332,983	12,676	206,946	353,002	48,305	437,297	184,318	24,583	225,764	274,691	244,852	123,917	324,874	56
16,439	112,694	3,086	52,416	81,002	20,092	104,775	26,856	9,794	22,572	105,497	102,347	23,980	41,207	57
556	2,920	3,385	124	316	5	115	772	283	259	75	330	80	557	58
689,074	623,932	1,876,247	443,682	531,727	1,237,526	633,635	408,818	17,982	607,514	450,432	1,043,436	1,883,019	980,872	59
641,827	510,164	1,870,819	363,119	390,889	1,221,516	474,260	330,139	10,025	493,716	364,409	960,128	1,320,901	835,478	60
267	461	381	243	385	85	827	435	554	267	358	407	360	340	61
833,978	270,771	986,314	234,460	689,387	649,278	508,109	202,028	20,174	778,116	261,884	619,880	638,752	742,503	62
607,741	182,787	985,906	109,030	489,330	450,502	293,693	125,524	9,507	582,501	131,089	327,287	446,709	504,491	63
228,743	63,990	168,370	63,288	149,366	100,513	125,504	33,548	2,756	209,703	65,104	178,308	151,723	151,735	64
80,560	20,828	66,456	14,143	63,397	37,153	41,291	9,855	694	84,510	20,456	73,472	74,284	59,116	65
468,024	159,601	456,402	154,052	342,510	318,090	265,733	91,845	11,596	436,515	158,163	413,727	357,716	360,023	66
275,998	95,065	296,082	60,976	205,931	196,824	130,663	50,119	4,830	269,450	70,248	197,962	225,042	213,423	67
11,368	7,199	16,513	17,639	3,890	18,623	950	3,411	-----	7,606	17,889	13,470	23,849	6,805	68
79	150	206	131	46	238	22	60	-----	134	193	84	60	126	69
3,328	2,147	4,869	5,166	1,146	5,494	285	1,012	-----	2,258	5,263	3,939	6,939	2,022	70
2,382	1,947	1,066	5,139	1,842	928	2,289	2,024	13	3,544	5,259	1,747	1,631	4,871	71
16,143	12,211	8,734	32,579	13,433	6,491	17,821	17,706	110	28,405	34,186	13,086	12,628	36,075	72
8,136	6,887	4,171	17,078	8,175	3,460	8,978	12,583	78	14,493	17,149	7,810	8,728	18,040	73

NOT ON FARMS OR RANGES: 1920.

551	374	430	457	228	179	231	222	45	362	628	565	281	388	1
526	375	409	811	375	233	485	372	79	443	674	645	406	474	2
11	5	14	24	35	6	11	4	1	34	27	2	4	10	3
-----	-----	-----	10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4
685	650	504	978	373	244	421	471	76	537	1,166	3,348	367	627	5
550	343	332	574	189	183	287	290	42	428	874	337	257	465	6
9	4	2	326	1	-----	60	109	5	-----	94	284	-----	8	7
1	-----	3	10	1	1	2	4	-----	-----	12	-----	7	-----	8
459	260	416	304	289	57	52	133	55	380	257	4,576	89	156	9

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

		Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.	Hubbard.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals.....number..	2,306	3,084	2,520	3,092	1,278	3,717	1,946	1,196
2	Value of all domestic animals.....dollars..	6,162,412	7,540,279	5,741,738	6,822,524	2,531,721	4,645,194	3,864,384	1,002,252
3	Horses:								
4	Total number.....	17,596	19,440	16,057	17,640	9,207	11,735	10,024	3,555
5	Colts under 1 year of age.....	1,174	1,447	889	917	478	314	750	151
6	Colts 1 year old and under 2 years.....	1,346	1,755	1,110	1,247	540	415	890	187
7	Mares 2 years old and over.....	8,182	9,516	7,601	8,288	4,362	4,850	4,643	1,682
8	Geldings 2 years old and over.....	6,839	6,622	6,371	7,101	3,799	6,118	3,700	1,512
9	Stallions 2 years old and over.....	55	100	86	87	28	38	41	23
10	Total value.....dollars..	1,450,495	1,731,132	1,295,614	1,781,855	858,478	1,149,081	818,753	354,802
11	Mules:								
12	Total number.....	155	112	161	70	124	114	53	67
13	Mule colts under 1 year of age.....	36	26	9	2	13	5	9	1
14	Mule colts 1 year old and under 2 years.....	30	12	6	4	12	30	-----	4
15	Mules 2 years old and over.....	89	74	146	64	99	79	44	62
16	Total value.....dollars..	16,140	10,916	16,872	9,849	12,200	13,115	4,845	6,915
17	Asses and burros:								
18	Total number.....	1	5	6	2	4	5	2	1
19	Total value.....dollars..	300	1,510	585	35	1,450	118	675	1,000
20	Cattle:								
21	Total number.....	48,284	70,715	64,281	65,850	26,334	38,105	46,813	9,683
22	Total value.....dollars..	2,395,671	3,736,280	3,136,912	4,126,404	1,214,215	2,744,885	2,013,253	508,023
23	Beef cattle—								
24	Total number.....	20,048	41,404	17,178	22,094	11,030	1,754	28,925	527
25	Calves under 1 year of age.....	5,233	13,030	4,155	5,730	3,224	244	9,732	190
26	Heifers 1 year old and under 2 years.....	2,440	5,114	1,904	2,490	1,179	201	4,002	41
27	Cows and heifers 2 years old and over.....	5,595	9,820	3,624	6,120	2,851	355	7,503	98
28	Steers 1 year old and under 2 years.....	3,550	9,024	3,902	4,171	2,057	535	4,812	110
29	Steers 2 years old and over.....	2,651	3,481	3,206	3,041	1,368	385	2,172	66
30	Bulls 1 year old and over.....	576	935	387	542	351	34	704	13
31	Total value.....dollars..	970,749	1,780,553	753,147	1,107,762	479,178	99,606	1,147,595	19,133
32	Dairy cattle—								
33	Total number.....	28,236	38,311	47,103	43,756	15,304	36,351	17,888	9,156
34	Calves under 1 year of age.....	6,822	10,080	10,320	8,352	3,753	5,231	3,028	2,318
35	Heifers 1 year old and under 2 years.....	4,195	5,877	7,005	6,291	2,118	4,900	2,461	1,329
36	Cows and heifers 2 years old and over.....	16,305	21,320	28,212	27,534	8,899	25,146	11,062	5,232
37	Bulls 1 year old and over.....	914	1,034	1,566	1,579	534	1,074	437	277
38	Total value.....dollars..	1,424,922	1,955,727	2,383,705	3,018,042	735,037	2,045,279	865,058	488,890
39	Sheep:								
40	Total number.....	6,003	15,598	3,132	7,075	3,704	17,600	3,891	5,269
41	Lambs under 1 year of age.....	1,874	3,335	775	1,611	1,077	3,636	1,004	1,391
42	Ewes 1 year old and over.....	4,103	11,840	2,185	5,190	2,583	12,675	2,734	3,682
43	Rams 1 year old and over.....	218	404	103	220	81	372	130	150
44	Wethers 1 year old and over.....	308	19	69	54	23	917	23	46
45	Total value.....dollars..	74,917	200,891	36,617	80,453	47,804	222,374	46,804	59,914
46	Goats:								
47	Total number.....	6	17	30	13	-----	42	62	15
48	Total value.....dollars..	38	115	130	74	-----	486	665	84
49	Swine:								
50	Total number.....	74,478	79,255	59,510	36,701	16,003	25,291	40,827	8,233
51	Pigs under 6 months old.....	19,800	22,547	17,460	10,237	2,507	12,910	9,445	911
52	Sows and gilts for breeding, 6 months old and over.....	19,237	21,310	15,778	10,670	3,936	5,027	13,850	1,193
53	Boars for breeding, 6 months old and over.....	1,882	1,599	1,285	993	434	460	983	113
54	All other hogs, 6 months old and over.....	33,559	33,709	24,987	15,801	9,126	6,894	16,549	1,046
55	Total value.....dollars..	2,214,851	1,859,435	1,255,008	924,354	397,574	514,535	979,589	71,454
POULTRY AND BEES: 1920.									
56	Chickens.....number..	255,706	275,783	298,035	264,325	109,024	229,280	159,133	46,105
57	Other poultry.....number..	11,130	5,819	11,894	4,789	6,849	3,301	2,235	782
58	Value of all poultry.....dollars..	267,533	249,574	289,109	235,754	103,341	220,366	139,416	38,488
59	Bees.....number of hives..	1,155	3,251	1,053	1,407	169	2,347	268	136
60	Total value.....dollars..	4,293	20,568	5,442	7,440	1,401	19,338	1,175	1,130
LIVE-STOCK PRODUCTS: 1919.									
61	Dairy products:								
62	Milk produced (as reported).....gallons..	4,185,327	6,273,627	4,187,061	10,734,311	3,354,350	9,106,841	3,792,239	1,675,255
63	Milk sold.....gallons..	163,531	70,433	226,835	3,585,174	99,508	4,744,450	29,001	21,934
64	Cream sold.....gallons..	39,337	45,326	88,455	73,420	43,678	141,335	90,009	15,154
65	Butter fat sold.....pounds..	1,263,840	1,918,263	2,795,651	1,922,093	523,454	1,121,274	944,414	235,935
66	Butter made on farms.....pounds..	108,057	367,479	62,800	395,540	248,436	244,754	264,689	217,834
67	Butter sold.....pounds..	42,556	25,931	17,555	90,216	25,536	106,596	35,761	83,132
68	Cheese made on farms.....pounds..	-----	-----	-----	8,023	820	9,925	185	100
69	Value of dairy products ¹.....dollars..	971,887	1,392,289	1,999,397	2,392,160	492,972	2,371,224	803,571	269,917
70	Receipts from sale of dairy products.....dollars..	930,551	1,224,960	1,971,337	2,236,226	385,578	2,295,189	686,758	205,633
71	Average production of milk per dairy cow.....gallons..	250	363	351	384	348	428	345	379
72	Eggs and chickens:								
73	Eggs produced (as reported).....dozens..	1,048,345	984,544	1,131,831	1,142,148	487,076	1,231,531	604,709	202,072
74	Eggs sold.....dozens..	781,390	795,902	978,273	863,161	330,527	698,623	448,707	102,981
75	Chickens raised (as reported).....number..	257,611	268,839	305,850	223,519	105,478	253,053	376,196	52,687
76	Chickens sold.....number..	126,287	126,155	148,851	101,593	43,124	89,525	73,115	12,490
77	Value of chickens and eggs produced.....dollars..	640,705	581,168	681,808	628,232	247,099	720,389	537,462	109,391
78	Receipts from sale of chickens and eggs.....dollars..	418,783	389,344	485,804	412,690	148,627	362,815	223,166	47,201
79	Honey and wax:								
80	Honey produced.....pounds..	15,058	91,076	17,729	33,637	3,874	46,674	4,364	2,113
81	Wax produced.....pounds..	10	673	393	321	36	1,389	26	5
82	Value of honey and wax.....dollars..	4,371	26,674	5,294	9,880	1,137	14,077	1,276	615
83	Wool:								
84	Sheep shorn.....number..	4,447	11,885	2,254	5,734	2,747	2,612	3,311	3,757
85	Wool produced (as reported).....pounds..	34,219	95,669	16,939	47,152	21,964	18,773	25,213	25,138
86	Value.....dollars..	19,122	52,727	8,240	24,702	11,066	9,753	13,279	13,510

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.....	581	675	283	595	152	2,070	202	277
2	Horses, total number.....	913	988	463	1,051	276	5,496	240	452
3	Mules, total number.....	5	4	15	10	6	271	8	16
4	Asses and burros, total number.....	-----	-----	-----	1	1	6	-----	-----
5	Cattle, total number.....	894	912	368	791	193	1,505	247	480
6	Dairy cows.....	527	640	246	597	154	1,071	202	280
7	Sheep, total number.....	186	94	14	2	-----	260	-----	267
8	Goats, total number.....	5	-----	-----	2	-----	14	-----	1
9	Swine, total number.....	1,436	353	449	158	29	790	81	210

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

Isanti.	Itasca.	Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi-ching.	Lac qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyon.	McLeod.	Mahnomen.	
2,150	1,265	2,155	1,528	2,386	1,378	768	1,977	195	2,205	1,451	1,795	2,400	582	1
2,018,883	836,285	5,496,913	1,822,025	4,873,869	2,342,263	456,906	4,169,892	119,404	3,394,340	3,286,207	4,225,557	4,809,617	776,925	2
7,291	2,592	15,755	4,827	14,539	10,188	1,540	15,545	285	10,087	10,273	13,591	11,358	3,339	3
147	104	826	115	531	482	73	641	4	506	419	769	440	223	4
239	140	1,077	171	726	631	83	989	2	607	705	899	654	275	5
3,470	1,154	7,062	2,482	6,753	4,519	604	7,269	114	4,663	4,829	6,598	5,319	1,451	6
3,409	1,165	6,743	2,039	6,478	4,511	751	6,602	164	4,279	4,288	5,279	4,907	1,377	7
28	29	47	20	51	45	29	44	1	42	32	46	38	13	8
733,775	302,888	1,368,185	469,592	1,287,966	1,144,222	192,224	1,824,166	39,770	939,193	848,961	1,256,698	1,113,503	285,579	9
40	42	420	79	118	195	20	202	45	104	206	30	43	10	
1	2	112	-----	6	5	-----	6	2	2	35	6	3	11	
2	3	92	3	8	7	1	11	-----	11	51	2	1	12	
37	37	216	76	104	183	19	185	43	87	120	22	39	13	
4,731	5,245	41,930	8,375	12,205	23,010	2,300	25,333	-----	5,105	13,535	19,941	3,038	4,595	14
-----	-----	13	-----	2	5	-----	1	-----	2	-----	3	2	-----	15
-----	-----	2,430	-----	1,100	160	-----	10	-----	55	-----	225	30	-----	16
25,772	7,752	51,512	22,357	50,370	18,594	3,964	35,436	1,077	32,952	34,332	39,617	39,870	7,986	17
1,112,059	430,046	2,348,687	1,159,027	2,455,994	818,366	219,362	1,713,299	66,906	1,717,662	1,693,078	1,920,380	2,467,628	378,996	18
1,353	637	29,663	1,594	16,533	4,124	704	15,549	40	12,545	18,362	25,909	2,417	2,035	19
303	228	7,092	518	3,301	1,300	313	3,710	18	3,020	5,425	7,472	402	525	20
99	83	3,741	177	1,476	479	72	1,926	7	1,527	2,705	3,760	244	282	21
142	219	10,088	313	4,143	902	177	4,506	4	4,457	5,202	8,333	529	818	22
502	44	4,373	471	3,417	980	71	2,654	8	1,591	3,234	3,452	512	285	23
220	37	2,966	80	3,694	310	54	2,287	1	1,644	1,300	2,290	670	81	24
27	26	803	35	502	153	16	466	2	806	496	602	60	44	25
45,141	27,617	1,328,658	77,136	834,827	170,223	33,228	761,325	1,422	617,273	886,056	1,238,058	141,651	118,493	26
24,419	7,115	21,849	20,763	33,837	14,440	3,260	19,887	1,037	20,407	15,970	13,708	37,453	5,951	27
5,793	1,949	6,439	4,979	8,608	4,248	939	5,423	275	4,207	4,416	5,317	5,312	1,556	28
3,579	1,102	3,462	3,272	1,995	516	1,905	3,007	145	2,842	2,378	2,016	4,988	862	29
14,259	3,800	11,262	11,839	19,405	7,747	1,718	10,753	589	12,627	8,737	7,727	25,662	3,308	30
788	204	680	673	1,146	450	87	704	28	671	439	418	1,491	225	31
1,066,918	408,429	1,020,029	1,081,891	1,621,187	648,143	186,134	951,974	65,484	1,100,389	807,022	681,722	2,325,977	260,503	32
1,515	3,728	5,027	8,313	5,185	21,364	1,540	2,063	835	2,943	2,782	6,450	2,378	4,918	33
424	1,004	1,942	1,880	1,371	7,193	549	652	675	1,403	1,425	1,288	624	1,288	34
976	2,529	2,905	6,168	3,544	13,857	1,091	1,372	652	2,070	1,990	4,900	1,502	3,522	35
110	125	154	196	146	279	43	101	34	129	102	68	104	36	
5	70	26	60	124	35	3	28	-----	17	18	23	184	4	37
13,290	42,787	59,550	82,587	55,464	228,156	17,912	29,099	7,094	35,258	33,853	68,103	23,514	52,068	38
66	37	4	42	111	62	24	6	-----	18	7	10	6	5	39
459	315	20	220	879	439	240	45	-----	133	42	77	29	20	40
6,592	2,173	67,447	5,077	43,179	5,724	1,080	49,583	301	34,117	35,370	44,665	35,041	2,754	41
1,786	1,091	11,715	1,857	8,039	1,334	549	6,396	170	14,495	6,742	9,273	14,900	1,009	42
1,453	601	16,000	1,722	10,932	1,429	281	12,077	85	8,208	7,902	13,213	7,209	956	43
128	93	1,243	124	787	161	47	774	3	775	551	735	715	112	44
3,195	388	38,489	1,374	23,421	2,800	203	30,336	43	10,639	20,115	21,444	12,217	677	45
154,569	49,004	1,676,111	102,224	1,060,261	127,910	24,868	1,077,940	5,634	696,934	706,748	960,078	701,875	55,667	46
105,428	30,744	249,021	68,065	224,061	70,568	19,795	199,053	5,273	184,033	151,473	195,436	241,398	31,760	47
974	623	9,931	1,005	8,852	3,723	462	7,525	73	6,536	6,118	5,785	10,606	1,736	48
73,772	30,407	229,437	54,745	179,643	58,670	21,711	158,553	4,557	163,411	121,196	183,242	198,293	26,504	49
760	307	736	1,233	667	41	-----	378	-----	944	603	482	891	116	50
5,304	2,853	3,598	11,454	3,198	280	-----	2,579	-----	6,025	3,117	3,170	4,048	865	51
4,956,043	1,503,327	4,236,981	3,513,017	6,048,234	2,461,831	820,404	2,779,686	258,607	3,161,476	3,485,018	3,157,946	6,059,405	1,144,257	52
51,108	89,117	46,853	310,733	130,550	20,147	30,013	28,457	59,136	175,481	38,464	68,794	1,822,799	14,589	53
2,467	20,084	58,982	67,002	145,978	17,212	10,619	28,221	4,715	111,657	131,988	109,273	44,502	4,608	54
1,075,888	127,364	1,121,796	819,965	997,045	411,375	47,643	437,736	865	847,069	784,185	483,343	2,161,385	177,508	55
235,523	240,697	237,833	153,734	369,394	232,071	135,579	442,212	49,510	125,706	143,163	300,096	14,765	82,887	56
37,322	107,515	45,318	8,187	69,909	28,283	46,048	100,357	20,042	25,750	11,013	44,286	6,171	17,788	57
140	363	156	100	1,435	1,670	110	240	156	883	256	50	-----	-----	58
761,029	263,578	873,580	741,535	1,015,411	398,902	120,837	472,074	53,852	712,580	676,213	535,933	1,833,028	145,037	59
683,993	192,578	767,521	661,430	847,305	271,440	75,816	311,101	39,395	656,299	608,702	405,368	1,878,276	111,816	60
361	466	320	381	347	345	476	235	443	356	306	309	364	358	61
602,925	148,618	1,010,819	293,118	1,002,447	339,249	111,598	816,510	38,118	605,635	646,752	783,447	943,103	138,450	62
319,681	68,101	726,662	191,930	709,406	106,582	39,455	533,065	20,352	458,167	453,206	529,020	707,996	72,067	63
83,404	30,618	279,852	56,468	202,413	60,672	19,957	185,348	3,811	203,672	155,197	185,362	230,557	28,589	64
28,310	6,804	117,619	19,960	93,792	14,940	5,157	71,660	1,051	85,627	53,557	77,531	83,105	5,433	65
276,713	95,821	576,980	145,050	518,666	155,140	60,983	424,076	20,202	370,890	323,618	428,056	503,220	60,886	66
133,428	37,826	342,203	82,271	330,449	67,647	22,033	241,157	9,814	226,829	187,420	250,204	315,963	26,265	67
21,321	8,383	10,908	26,405	8,259	920	-----	3,558	-----	11,944	7,656	7,055	16,829	3,050	68
349	151	62	506	50	6	-----	36	-----	240	17	15	290	65	69
6,319	2,490	3,183	7,854	2,415	269	-----	1,046	-----	3,558	2,227	2,052	4,993	910	70
1,272	2,671	4,077	6,494	3,458	15,245	596	1,324	75	2,266	1,797	3,074	1,843	3,537	71
7,410	17,576	31,109	43,707	26,415	106,467	3,736	10,230	841	16,755	14,423	23,877	13,674	26,593	72
3,274	9,017	15,407	22,207	13,086	58,559	1,857	5,151	346	9,110	7,838	12,126	6,507	12,703	73

NOT ON FARMS OR RANGES: 1920—Continued.

100	694	211	115	251	222	319	218	193	655	217	319	461	215	1
163	1,203	234	162	328	328	1,555	287	567	582	280	480	404	600	2
-----	21	10	2	16	8	3	4	4	7	8	15	7	14	3
-----	-----	2	-----	-----	-----	-----	1	-----	-----	1	-----	-----	-----	4
175	1,214	277	204	421	427	457	282	334	1,198	280	499	521	609	5
182	794	163	159	313	258	257	231	232	462	230	343	374	306	6
29	366	35	4	25	203	78	51	76	115	-----	4	36	302	7
-----	81	2	-----	1	-----	3	-----	-----	-----	-----	-----	1	6	8
50	429	313	39	131	85	375	123	120	805	112	262	247	140	9

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

		Marshall.	Martin.	Meeker.	Miller.	Morrison.	Mower.	Murray.	Nicollet.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals..... number..	2,612	2,382	2,411	1,848	3,063	2,322	1,830	1,470
2	Value of all domestic animals..... dollars..	3,490,389	6,421,190	4,449,895	2,076,145	3,321,289	5,211,290	4,402,548	3,027,819
Horses:									
3	Total number.....	16,718	17,594	12,528	5,535	11,842	16,048	15,093	9,377
4	Colts under 1 year of age.....	749	968	509	212	614	1,035	813	576
5	Colts 1 year old and under 2 years.....	1,095	1,427	759	266	735	1,358	1,130	584
6	Mares 2 years old and over.....	7,441	8,275	5,785	2,708	5,608	7,847	7,063	4,222
7	Geldings 2 years old and over.....	7,361	6,858	5,425	2,336	4,852	5,745	6,032	3,962
8	Stallions 2 years old and over.....	72	66	48	13	33	63	55	33
9	Total value..... dollars..	1,651,388	1,430,611	1,220,006	582,909	911,980	1,274,137	1,194,774	859,317
Mules:									
10	Total number.....	346	187	78	35	34	101	189	125
11	Mule colts under 1 year of age.....	20	29	4	3	4	50	33	12
12	Mule colts 1 year old and under 2 years.....	27	24	7	32	6	32	45	12
13	Mules 2 years old and over.....	299	114	71	32	74	109	111	101
14	Total value..... dollars..	37,785	15,734	8,470	3,855	7,685	15,659	17,720	12,778
Asses and burros:									
15	Total number.....	3	5	2	2	6	6	6	6
16	Total value..... dollars..	800	805	315	-----	-----	1,565	375	-----
Cattle:									
17	Total number.....	32,562	58,868	44,764	27,433	48,609	60,612	47,078	29,294
18	Total value..... dollars..	1,428,485	3,054,750	2,393,580	1,876,806	2,028,680	2,960,015	1,900,862	1,350,678
Beef cattle—									
19	Total number.....	6,864	37,588	6,502	1,897	3,640	28,250	30,790	7,305
20	Calves under 1 year of age.....	2,571	8,418	1,396	609	558	7,820	10,421	1,677
21	Heifers 1 year old and under 2 years.....	876	4,327	554	284	196	3,089	4,417	968
22	Cows and heifers 2 years old and over.....	1,408	10,401	1,197	358	285	5,901	7,895	1,645
23	Steers 1 year old and under 2 years.....	1,201	6,010	1,644	480	1,864	5,631	4,850	1,513
24	Steers 2 years old and over.....	400	7,586	1,541	141	679	3,291	2,444	1,324
25	Bulls 1 year old and over.....	318	837	170	45	58	518	763	188
26	Total value..... dollars..	281,819	1,962,120	314,573	75,707	116,206	1,120,605	1,148,997	311,911
Dairy cattle—									
27	Total number.....	25,698	21,280	38,262	25,536	45,069	34,362	16,288	21,989
28	Calves under 1 year of age.....	6,861	5,404	7,733	6,003	11,089	8,158	3,809	4,256
29	Heifers 1 year old and under 2 years.....	3,642	3,444	5,248	3,714	7,045	5,470	2,377	3,268
30	Cows and heifers 2 years old and over.....	14,282	11,807	23,974	15,069	25,324	19,733	10,108	13,583
31	Bulls 1 year old and over.....	913	625	1,307	750	1,601	1,001	494	882
32	Total value..... dollars..	1,146,666	1,092,630	2,078,957	1,301,099	1,912,474	1,829,410	751,865	1,038,767
Sheep:									
33	Total number.....	15,471	5,490	6,685	3,663	10,436	10,182	6,650	2,722
34	Lambs under 1 year of age.....	4,193	1,867	3,148	874	2,526	2,453	1,263	743
35	Ewes 1 year old and over.....	10,713	3,553	3,305	2,652	7,588	7,428	5,112	1,766
36	Rams 1 year old and over.....	396	207	174	124	276	224	173	150
37	Wethers 1 year old and over.....	169	63	58	13	96	77	102	63
38	Total value..... dollars..	155,130	68,192	62,666	36,450	104,870	110,225	84,109	29,454
Goats:									
39	Total number.....	103	12	14	72	13	240	6	14
40	Total value..... dollars..	904	73	112	333	106	1,269	37	62
Swine:									
41	Total number.....	10,119	86,897	33,260	5,783	14,125	41,256	56,154	36,232
42	Pigs under 6 months old.....	2,624	17,593	12,263	2,065	4,242	12,384	10,001	8,479
43	Sows and gilts for breeding, 6 months old and over.....	2,909	18,378	7,148	1,867	5,336	10,730	14,757	8,239
44	Boars for breeding, 6 months old and over.....	326	1,729	735	148	487	968	1,013	665
45	All other hogs, 6 months old and over.....	4,260	49,197	13,114	1,703	4,060	17,174	30,383	18,849
46	Total value..... dollars..	221,897	1,842,025	764,296	125,792	268,018	849,420	1,204,671	775,530
POULTRY AND BEES: 1920.									
47	Chickens..... number..	134,956	295,928	207,031	85,827	154,641	235,475	204,667	190,589
48	Other poultry..... number..	5,757	11,719	7,450	1,315	5,021	7,290	6,522	6,475
49	Value of all poultry..... dollars..	101,469	287,056	159,333	62,835	106,317	231,715	189,482	162,152
50	Bees..... number of hives..	177	1,152	972	1,573	1,912	1,959	432	1,174
51	Total value..... dollars..	873	4,588	4,843	9,942	9,955	9,382	2,089	5,437
LIVE-STOCK PRODUCTS: 1919.									
Dairy products:									
52	Milk produced (as reported)..... gallons..	4,585,390	5,034,073	7,173,397	4,580,039	6,840,274	6,499,643	3,803,588	3,187,323
53	Milk sold..... gallons..	18,775	198,682	243,508	129,179	97,280	525,818	64,278	60,138
54	Cream sold..... gallons..	30,635	32,578	61,113	99,514	132,279	121,198	75,056	35,276
55	Butter fat sold..... pounds..	741,056	990,072	2,131,645	1,429,001	1,818,992	1,321,310	575,424	1,006,900
56	Butter made on farms..... pounds..	503,142	289,371	97,804	100,500	242,018	198,651	297,354	73,652
57	Butter sold..... pounds..	66,962	77,446	12,872	13,429	13,476	42,752	18,657	28,010
58	Cheese made on farms..... pounds..	925	575	40	85	125	200	626	779
59	Value of dairy products ¹ dollars..	706,196	774,003	1,533,381	1,084,977	1,366,236	1,147,588	547,192	719,375
60	Receipts from sale of dairy products..... dollars..	496,398	663,341	1,484,953	993,117	1,249,607	1,068,009	418,783	696,787
61	Average production of milk per dairy cow..... gallons..	327	334	362	442	365	400	264	310
Eggs and chickens:									
62	Eggs produced (as reported)..... dozens..	648,617	1,334,022	958,317	394,777	691,925	945,689	932,992	862,211
63	Eggs sold..... dozens..	376,375	892,947	666,196	265,824	429,225	695,045	618,004	647,265
64	Chickens raised (as reported)..... number..	107,095	327,283	192,060	82,445	131,117	235,016	214,287	163,944
65	Chickens sold..... number..	26,874	148,025	74,553	26,485	35,999	128,259	92,428	57,482
66	Value of chickens produced..... dollars..	283,716	738,303	475,615	207,552	324,415	562,250	505,790	436,638
67	Receipts from sale of chickens and eggs..... dollars..	143,993	430,736	286,102	120,106	172,216	373,587	291,334	276,370
Honey and wax:									
68	Honey produced..... pounds..	2,434	15,452	11,973	39,968	35,478	45,321	5,339	18,318
69	Wax produced..... pounds..	37	221	121	535	409	390	6	386
70	Value of honey and wax..... dollars..	720	4,567	3,519	11,800	10,449	13,295	1,550	5,463
Wool:									
71	Sheep shorn..... number..	10,488	3,503	2,320	3,560	6,601	8,058	5,370	2,077
72	Wool produced (as reported)..... pounds..	73,101	27,093	18,157	21,634	48,737	63,301	41,285	16,930
73	Value..... dollars..	36,755	14,481	8,851	11,458	23,146	32,278	20,972	8,428

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.....	303	354	185	333	605	510	246	240
2	Horses, total number.....	509	457	297	462	606	892	426	318
3	Mules, total number.....	12	12	15	5	4	2	-----	-----
4	Asses and burros, total number.....	-----	-----	1	-----	4	-----	8	-----
5	Cattle, total number.....	404	403	183	595	1,211	577	308	287
6	Dairy cows.....	291	296	168	445	894	435	203	213
7	Sheep, total number.....	151	2	-----	38	43	76	13	-----
8	Goats, total number.....	8	2	-----	1	-----	-----	2	-----
9	Swine, total number.....	95	955	129	189	496	410	345	178

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

Nobles.	Norman.	Olmsted.	Otter Tail.	Pennington.	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake.	Redwood.	Renville.	Rice.
1,968	1,883	2,263	6,420	1,169	2,984	1,171	4,064	1,744	936	880	2,488	2,980	2,378
5,452,249	2,755,695	6,006,993	8,935,363	1,536,818	2,886,164	3,196,892	5,508,400	3,184,634	1,013,700	1,104,245	5,175,255	6,056,373	4,701,909
16,205	13,839	14,841	29,950	5,911	8,731	9,859	27,173	10,815	2,577	5,482	17,988	20,397	11,398
993	682	915	1,137	227	324	563	1,385	584	33	267	890	1,086	550
1,845	1,070	987	1,682	357	413	796	1,831	710	43	413	1,172	1,286	687
7,580	6,186	6,850	14,117	2,703	4,279	4,656	12,218	5,157	510	2,522	8,476	8,948	5,114
6,224	5,843	5,513	12,897	2,598	3,670	3,808	11,602	4,307	1,988	2,253	7,390	9,019	4,989
1,352,549	1,261,133	1,233,216	2,517,223	598,175	846,632	764,586	2,585,256	901,883	219,350	477,273	1,519,934	1,044,769	1,092,414
161	220	98	262	179	100	124	437	88	13	98	245	160	60
32	10	10	19	2	8	22	15	12	-----	4	33	15	11
11	10	4	21	1	1	9	26	12	6	3	39	26	5
118	200	84	222	176	91	93	396	64	7	91	173	119	44
15,000	22,730	11,672	24,049	21,857	10,929	12,482	44,290	9,050	1,080	9,440	24,620	16,591	6,155
7	3	6	10	1	3	2	5	1	-----	-----	2	1	15
1,283	450	85	1,812	10	700	85	160	500	-----	-----	250	264	150
53,038	28,399	61,480	105,844	16,904	34,649	32,670	54,282	38,535	7,679	14,093	49,703	56,030	47,576
2,348,816	1,204,988	3,405,612	5,147,959	763,349	1,781,355	1,491,349	2,370,048	1,739,931	656,200	590,421	2,284,120	2,641,121	2,957,938
31,727	5,475	28,843	25,337	1,796	1,832	14,133	8,885	16,897	610	1,308	20,262	27,097	7,165
9,034	1,298	7,067	8,458	449	575	4,128	2,433	4,076	56	263	5,051	5,845	1,131
4,459	525	3,440	2,868	198	188	1,609	1,094	2,129	46	134	2,208	3,239	551
8,669	1,593	7,816	5,054	418	420	3,119	2,404	4,327	247	340	5,719	8,697	1,484
5,044	1,266	6,119	5,183	488	478	3,176	1,889	3,048	223	437	3,694	4,494	2,158
3,028	628	8,869	2,921	181	102	1,667	734	1,923	30	187	2,940	4,044	1,697
893	165	532	853	62	69	434	331	494	8	31	650	778	144
1,331,455	240,436	1,414,269	1,030,475	67,473	73,033	615,093	365,709	608,756	49,305	57,892	984,685	1,219,950	355,093
21,341	22,924	32,637	80,507	15,108	32,817	18,537	45,397	21,638	7,069	12,695	29,441	29,833	40,411
5,254	6,514	7,820	19,433	4,132	7,835	4,956	12,382	5,093	749	3,620	7,155	7,355	8,417
3,116	3,118	5,321	11,284	2,159	4,694	6,242	2,674	633	633	1,062	4,310	4,022	5,912
12,438	12,359	18,445	47,001	8,248	19,240	10,506	24,899	12,867	5,583	6,877	17,101	17,032	24,703
533	933	851	2,789	569	1,048	401	1,874	735	104	531	875	1,184	1,319
1,017,361	964,562	1,091,343	4,117,484	695,876	1,708,322	876,256	2,004,339	1,071,175	606,895	532,529	1,299,435	1,421,161	2,002,245
10,083	4,177	12,942	20,330	6,251	7,514	7,286	14,030	4,485	185	3,741	5,624	5,427	3,451
2,334	1,054	2,771	5,728	1,476	1,933	1,716	3,813	1,188	56	940	2,446	1,090	34
7,486	2,908	0,774	13,819	4,574	5,374	5,321	9,670	2,962	122	2,661	3,459	2,593	2,220
211	204	284	538	128	194	139	363	162	6	110	166	137	90
62	11	113	245	73	13	60	184	173	1	30	99	251	61
136,375	45,332	162,904	223,625	75,283	88,162	79,954	137,058	50,890	5,472	39,801	61,427	57,211	33,663
18	27	3	313	34	47	11	53	1	2	12	20	14	30
121	145	25	1,702	232	401	50	345	10	11	70	116	63	240
63,847	9,307	57,085	44,698	3,244	8,656	38,052	16,854	19,846	6,563	3,798	63,020	83,009	30,543
10,118	2,089	19,701	11,688	925	3,885	5,764	1,972	3,106	1,972	680	14,945	17,142	12,334
18,903	3,360	13,947	13,121	973	2,504	10,993	4,875	4,933	637	1,672	15,764	18,340	8,030
1,382	241	1,141	1,244	97	239	880	602	459	48	152	1,209	1,189	838
33,444	3,611	22,296	18,645	1,249	2,028	20,415	7,696	11,343	3,906	1,284	31,102	46,338	9,291
1,598,105	220,907	1,193,479	1,018,993	77,912	157,985	848,386	370,643	482,305	131,677	77,240	1,284,738	1,696,354	611,349
228,635	127,127	211,642	383,817	62,375	109,400	133,158	237,754	138,380	42,145	47,317	266,523	309,829	186,281
6,228	4,736	5,946	14,948	2,352	2,198	3,382	8,321	6,266	1,081	2,195	12,142	10,693	7,179
220,985	90,954	203,278	294,679	47,397	91,004	114,680	160,189	110,531	50,862	36,790	227,910	233,853	176,401
868	167	1,458	1,468	193	1,810	257	1,043	15	321	201	1,092	899	960
5,582	769	8,136	7,426	1,134	13,473	1,363	4,635	102	2,338	1,410	4,771	5,356	5,088
3,962,966	3,236,120	5,947,686	14,428,855	2,531,730	6,910,588	2,121,224	8,288,723	4,092,339	3,034,304	1,947,050	3,618,361	4,992,040	8,985,904
171,655	34,616	2,139,994	222,026	105,194	308,674	62,304	527,247	83,525	2,438,197	274,277	89,861	67,761	2,975,555
57,407	11,697	138,081	128,236	2,433	28,761	34,790	94,332	88,491	9,722	9,393	41,730	111,824	304,085
659,779	698,779	1,290,890	3,756,932	527,455	1,859,732	457,288	1,307,326	768,653	51,422	388,508	700,427	954,669	1,326,074
261,246	150,812	93,357	1,007,627	230,574	221,301	146,139	877,030	298,368	97,373	108,872	322,405	375,084	112,944
21,947	44,248	31,502	142,780	35,612	37,724	15,846	217,122	34,125	48,620	23,977	67,665	56,538	25,911
182	200	25	1,881	639	2,311	272	915	110	2,355	60	205	413	4,996
629,989	477,293	1,510,307	2,985,300	467,428	1,360,279	391,547	1,466,200	683,845	955,813	342,227	628,795	937,347	1,854,815
498,200	417,615	1,478,211	2,500,351	365,965	1,250,169	321,149	1,148,893	563,067	926,917	297,262	488,980	749,259	1,801,528
810	298	372	863	405	405	244	342	321	582	310	235	266	421
920,269	627,805	879,290	1,698,757	326,268	540,040	472,638	1,114,692	579,350	208,745	229,924	1,055,603	1,149,351	843,383
601,022	428,778	616,306	1,143,822	205,979	324,144	315,050	684,445	436,068	100,503	129,830	715,517	829,625	531,557
224,880	106,675	180,446	367,084	48,162	115,933	125,156	216,712	106,690	37,593	44,702	286,054	333,316	177,432
99,720	35,985	81,498	136,555	14,644	31,670	34,742	78,297	49,376	7,985	14,740	107,170	107,170	77,081
520,196	204,322	471,728	864,841	142,236	272,486	264,576	622,336	291,105	139,251	108,336	576,306	603,100	460,470
301,783	159,755	294,176	500,025	80,740	135,120	137,813	286,335	198,024	57,302	52,784	322,594	368,049	264,163
12,588	2,085	31,549	21,089	3,263	50,412	4,379	13,528	325	6,710	5,063	13,734	10,242	21,159
104	-----	625	395	7	412	-----	284	-----	186	8	61	63	222
3,692	606	9,393	6,444	949	14,780	1,270	4,034	94	2,019	1,471	4,007	2,991	6,223
7,854	2,482	9,632	14,131	3,561	5,506	5,120	8,842	3,433	1,653	2,175	3,076	2,461	2,314
61,552	19,784	73,405	102,802	23,880	36,800	35,911	61,716	26,523	9,455	16,485	23,582	18,639	17,928
30,974	9,280	41,076	49,936	11,763	18,950	20,068	29,717	12,337	4,543	8,022	12,156	9,681	8,934

NOT ON FARMS OR RANGES: 1920—Continued.

463	287	507	898	255	235	209	604	245	1,522	152	432	405	597
605	482	942	1,237	399	329	315	948	331	3,966	238	784	542	874
28	6	10	11	15	1	-----	12	6	113	3	14	30	52
2	-----	2	-----	-----	-----	-----	-----	1	-----	-----	6	-----	4
826	525	697	1,568	375	417	264	1,089	448	992	193	574	591	573
451	348	477	1,067	280	293	202	773	315	656	116	384	395	390
203	14	26	269	28	100	1	89	187	10	10	12	18	17
2	1	2	6	-----	23	49	6	-----	28	-----	8	1	4
1,259	82	551	468	96	191	285	340	58	799	134	600	506	306

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

		Rock.	Roseau.	St. Louis.	Scott.	Sherburne.	Sibley.	Stearns.	Steele.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals.....number..	1,286	1,789	3,848	1,599	1,367	2,074	4,551	1,843
2	Value of all domestic animals.....dollars..	4,282,476	1,761,671	2,516,836	2,602,199	1,743,720	3,866,214	7,333,625	3,653,827
3	Horses:								
4	Total number.....	11,137	7,479	6,195	7,275	5,763	12,139	23,012	10,381
5	Colts under 1 year of age.....	655	278	211	385	205	654	1,363	542
6	Colts 1 year old and under 2 years.....	933	425	215	449	278	804	1,585	664
7	Mares 2 years old and over.....	5,070	3,422	2,419	3,441	2,584	5,441	10,696	4,980
8	Geldings 2 years old and over.....	4,433	3,304	3,282	2,973	2,071	5,195	9,292	4,151
9	Stallions 2 years old and over.....	46	50	68	27	25	45	76	44
10	Total value.....dollars..	966,661	764,906	844,485	669,324	495,881	1,095,816	1,874,924	852,401
11	Mules:								
12	Total number.....	99	161	58	31	102	31	145	103
13	Mule colts under 1 year of age.....	20	7	1	1	14	1	8	18
14	Mule colts 1 year old and under 2 years.....	8	12	—	—	15	1	5	11
15	Mules 2 years old and over.....	71	142	57	30	73	29	132	74
16	Total value.....dollars..	10,179	17,178	6,300	3,440	8,329	2,995	15,080	9,993
17	Asses and burros:								
18	Total number.....	3	2	—	—	5	6	—	2
19	Total value.....dollars..	400	350	—	—	180	525	—	15
20	Cattle:								
21	Total number.....	37,181	20,049	23,121	27,132	20,913	39,245	86,316	36,827
22	Total value.....dollars..	1,763,332	762,266	1,489,455	1,468,876	979,055	1,824,882	4,316,982	2,169,143
23	Beef cattle—								
24	Total number.....	27,105	2,751	1,801	6,132	3,753	8,560	16,635	2,079
25	Calves under 1 year of age.....	7,883	849	627	1,265	846	1,652	2,883	261
26	Heifers 1 year old and under 2 years.....	3,785	300	165	504	527	1,116	1,618	236
27	Cows and heifers 2 years old and over.....	8,088	765	797	1,956	779	2,285	4,921	397
28	Steers 1 year old and under 2 years.....	4,180	486	72	1,275	1,021	1,636	3,894	600
29	Steers 2 years old and over.....	2,531	248	56	923	486	1,531	2,876	549
30	Bulls 1 year old and over.....	638	103	84	149	94	340	443	36
31	Total value.....dollars..	1,242,717	98,560	94,258	301,672	147,932	363,272	760,508	105,785
32	Dairy cattle—								
33	Total number.....	10,046	17,298	21,320	21,000	17,160	30,685	69,681	34,748
34	Calves under 1 year of age.....	2,224	5,088	5,598	3,610	3,785	5,485	14,139	6,249
35	Heifers 1 year old and under 2 years.....	1,416	2,405	3,141	2,931	2,814	4,774	10,520	5,186
36	Cows and heifers 2 years old and over.....	6,063	9,171	11,951	13,021	10,116	19,298	42,543	22,129
37	Bulls 1 year old and over.....	343	636	630	838	445	1,128	2,479	1,234
38	Total value.....dollars..	520,615	663,706	1,395,197	1,167,204	831,123	1,461,610	3,556,474	2,063,558
39	Sheep:								
40	Total number.....	8,010	11,712	5,453	1,691	1,613	3,425	10,000	1,631
41	Lambs under 1 year of age.....	2,796	3,774	1,707	475	355	916	2,179	431
42	Ewes 1 year old and over.....	5,030	7,500	3,324	1,162	1,197	2,340	7,371	1,053
43	Rams 1 year old and over.....	140	311	331	63	51	122	362	79
44	Wethers 1 year old and over.....	44	67	91	1	10	47	88	38
45	Total value.....dollars..	89,580	129,826	70,401	22,360	15,424	34,712	108,848	17,208
46	Goats:								
47	Total number.....	7	129	21	3	49	13	51	4
48	Total value.....dollars..	36	831	160	18	306	62	384	19
49	Swine:								
50	Total number.....	60,652	4,340	4,739	23,350	11,396	46,027	48,532	29,407
51	Pigs under 6 months old.....	9,042	1,007	2,641	10,861	4,113	12,238	15,449	12,236
52	Sows and gilts for breeding, 6 months old and over.....	17,413	1,416	1,058	5,995	2,775	10,806	15,883	8,552
53	Boars for breeding, 6 months old and over.....	1,087	182	158	607	203	929	1,832	798
54	All other hogs, 6 months old and over.....	33,140	1,135	882	5,887	4,305	22,054	15,368	7,624
55	Total value.....dollars..	1,453,288	86,314	106,085	438,181	244,545	907,222	1,017,407	605,048
POULTRY AND BEES: 1920.									
56	Chickens..... number..	158,409	65,269	74,569	133,876	93,318	234,131	372,228	193,185
57	Other poultry..... number..	3,327	2,064	1,319	4,328	2,753	10,973	10,479	7,362
58	Value of all poultry.....dollars..	149,482	45,581	77,560	126,122	79,372	189,243	263,864	181,418
59	Bees..... number of hives..	181	206	351	918	449	694	1,420	945
60	Total value.....dollars..	1,018	2,335	4,202	5,316	1,851	2,795	7,592	4,295
LIVE-STOCK PRODUCTS: 1919.									
61	Dairy products:								
62	Milk produced (as reported).....gallons..	2,111,785	3,120,968	5,086,253	3,447,360	2,780,550	4,891,394	13,975,001	5,731,543
63	Milk sold.....gallons..	61,343	14,337	1,182,957	1,187,672	155,349	373,748	801,707	268,856
64	Cream sold.....gallons..	30,363	23,900	64,195	317,544	28,307	173,631	239,447	27,389
65	Butter fat sold.....pounds..	434,830	494,778	219,180	398,536	616,525	1,104,692	3,398,233	2,270,090
66	Butter made on farms.....pounds..	236,955	296,019	756,040	118,058	133,894	128,265	356,631	14,980
67	Butter sold.....pounds..	32,521	57,406	292,051	18,363	19,297	28,035	123,448	6,720
68	Cheese made on farms.....pounds..	136	1,910	12,136	50	—	385	1,610	—
69	Value of dairy products ¹.....dollars..	401,238	425,900	1,116,343	901,813	501,204	978,889	2,587,744	1,646,876
70	Receipts from sale of dairy products.....dollars..	294,993	320,387	865,904	851,963	435,801	923,525	2,437,451	1,645,227
71	Average production of milk per dairy cow.....gallons..	310	349	448	339	280	292	351	308
72	Eggs and chickens:								
73	Eggs produced (as reported).....dozens..	516,307	202,136	365,523	597,877	355,490	901,974	1,590,102	861,359
74	Eggs sold.....dozens..	372,068	102,293	144,207	368,757	252,846	690,830	987,257	668,170
75	Chickens raised (as reported).....number..	142,161	54,119	54,716	140,210	98,887	209,608	277,312	201,440
76	Chickens sold.....number..	59,753	12,167	15,693	61,477	35,117	81,176	92,815	76,112
77	Value of chickens and eggs produced.....dollars..	306,708	127,253	234,195	411,107	207,274	464,513	766,555	489,927
78	Receipts from sale of chickens and eggs.....dollars..	183,197	60,688	87,426	234,533	120,860	297,690	419,225	311,217
79	Honey and wax:								
80	Honey produced.....pounds..	2,931	5,144	9,033	15,387	6,206	7,330	21,160	15,444
81	Wax produced.....pounds..	10	19	157	149	23	72	330	62
82	Value of honey and wax.....dollars..	854	1,499	2,681	4,520	1,813	2,154	6,265	4,503
83	Wool:								
84	Sheep shorn.....number..	3,366	8,051	3,251	1,315	1,130	2,312	7,335	1,049
85	Wool produced (as reported).....pounds..	26,795	52,719	19,120	8,834	7,087	15,889	54,807	7,834
86	Value.....dollars..	13,550	26,212	10,094	4,387	3,782	7,769	25,554	3,988

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

COUNTY TABLE III.—DOMESTIC ANIMALS

1	Inclusures reporting domestic animals.....	109	230	3,600	265	146	295	1,091	307
2	Horses, total number.....	208	321	3,886	327	181	366	1,165	374
3	Mules, total number.....	2	3	61	4	4	9	44	10
4	Asses and burros, total number.....	—	—	—	—	—	—	—	—
5	Cattle, total number.....	629	504	5,751	281	163	324	1,201	390
6	Dairy cows.....	153	317	4,486	281	133	279	1,004	327
7	Sheep, total number.....	1,000	130	480	—	—	5	53	2
8	Goats, total number.....	—	11	11	10	—	—	—	—
9	Swine, total number.....	1,218	141	2,093	213	158	210	646	186

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

Stevens.	Swift.	Todd.	Traverse.	Wabasha.	Wadena.	Waseca.	Washing- ton.	Watson- wan.	Wilkin.	Winona.	Wright.	Yellow Medicine.	
1,148	1,700	3,472	1,019	1,790	1,297	1,596	1,946	1,381	1,125	2,126	3,834	2,076	1
2,310,271	3,451,411	4,024,146	2,223,365	3,949,334	1,412,200	3,049,171	3,115,665	3,621,217	2,019,492	4,267,393	6,000,900	4,305,211	2
9,781	12,849	13,908	9,188	11,340	4,971	9,758	7,987	10,212	10,441	11,917	15,348	15,469	3
578	622	599	511	675	226	574	253	584	628	703	538	642	4
732	797	746	662	906	282	878	368	751	632	870	704	963	5
4,552	5,977	6,742	4,252	5,314	2,374	4,514	3,685	4,721	4,686	5,651	7,283	7,233	6
3,873	5,398	5,782	3,724	4,384	2,074	3,940	3,587	4,127	4,441	4,628	6,761	6,579	7
46	55	39	39	61	15	52	44	29	54	65	62	52	8
796,712	966,265	1,002,244	831,136	1,034,000	302,871	832,681	838,059	902,522	914,754	940,327	1,550,617	1,313,402	9
125	144	167	174	93	63	145	20	113	109	64	104	252	10
11	11	27	13	8	7	27	3	11	3	4	6	39	11
12	9	46	12	6	2	28	19	19	20	11	11	36	12
102	124	94	149	79	54	90	26	83	106	40	87	177	13
10,845	16,633	14,590	20,200	7,995	5,641	15,810	2,924	10,905	10,600	0,020	11,384	27,340	14
2	1	1	2	3	3	1	2	2	2	2	3	3	15
100	100	100	750	267	375	100	30	255	255	255	60	110	16
23,252	36,565	51,793	19,270	40,990	17,856	31,046	27,858	33,992	20,000	47,512	59,995	39,031	17
1,007,153	1,578,967	2,521,943	943,649	2,070,385	837,203	1,566,255	1,926,327	1,605,685	862,193	2,549,454	3,313,880	1,704,266	18
10,503	17,504	3,541	9,310	20,816	1,449	5,478	5,473	14,693	12,049	16,737	7,830	18,487	19
3,332	4,593	802	2,475	5,331	659	1,128	772	3,305	3,597	4,431	1,812	4,647	20
1,875	1,969	323	1,033	2,504	148	525	517	1,911	1,545	2,269	671	2,067	21
2,488	4,600	830	2,903	6,944	145	1,451	1,201	3,760	4,583	4,583	1,812	5,599	22
1,845	3,385	1,183	1,486	3,810	371	1,268	1,823	3,086	1,556	3,410	2,138	3,225	23
1,122	2,534	310	1,140	1,588	113	976	1,442	2,266	752	1,622	2,319	2,299	24
841	400	93	208	529	13	130	128	856	343	416	178	660	25
435,303	721,706	140,135	440,985	1,037,459	44,991	240,816	338,210	700,878	461,701	854,703	432,058	830,400	26
12,749	19,061	48,252	9,960	20,174	16,407	25,568	22,385	19,299	7,951	30,775	52,165	20,544	27
2,985	5,000	10,339	2,032	5,233	3,993	6,019	4,497	4,492	8,815	9,596	5,047	5,047	28
1,931	2,781	6,990	1,516	3,400	2,343	3,615	3,272	2,559	1,157	5,131	7,895	3,129	29
7,539	10,593	29,453	5,490	10,996	9,456	15,062	13,008	11,657	4,758	17,850	33,108	11,082	30
294	687	1,405	322	435	625	872	708	691	806	979	1,766	686	31
631,790	857,201	2,381,806	502,604	1,032,926	792,302	1,319,939	1,587,117	964,807	400,402	1,694,492	2,381,322	873,866	32
5,693	4,473	8,368	3,204	14,909	4,326	5,097	2,120	7,384	3,739	4,999	4,282	4,743	33
1,530	1,543	1,978	765	3,117	1,130	1,079	662	2,996	1,779	1,157	1,158	1,432	34
3,803	2,972	5,900	2,314	11,407	3,087	3,871	1,879	4,105	1,794	3,687	2,930	3,079	35
142	126	328	100	396	99	125	59	101	74	105	172	216	36
64,228	45,319	95,957	40,515	184,087	55,833	59,909	24,432	82,603	36,100	50,706	45,881	53,516	37
6	4	37	1	4	35	21	21	8	8	2	38	14	38
30	33	140	6	38	249	128	40	39	7	271	271	36	40
10,332	35,487	19,151	10,995	28,538	5,803	26,072	14,896	43,960	8,700	22,945	52,628	58,231	41
2,335	6,931	7,598	2,949	8,976	1,916	8,436	5,059	6,586	1,640	10,432	23,034	9,195	42
4,331	7,477	7,009	4,632	9,115	2,830	7,610	3,337	13,179	2,002	8,932	12,529	12,169	43
443	303	534	375	704	174	621	303	307	201	838	1,233	993	44
8,223	20,476	3,960	9,009	9,080	1,777	10,005	6,197	23,328	3,837	12,043	15,327	35,874	45
371,203	844,094	389,172	387,109	652,562	120,098	574,356	324,765	956,147	195,806	710,379	1,079,307	1,206,501	46
96,884	151,635	199,247	94,304	150,859	62,729	161,573	133,034	154,344	91,157	156,339	305,703	230,804	47
6,617	8,207	8,207	6,657	4,280	1,496	5,934	2,554	5,363	6,394	4,592	7,457	7,944	48
89,258	124,840	183,098	82,990	124,391	48,896	169,521	124,816	147,688	82,468	141,946	247,169	190,239	49
53	135	1,009	111	1,743	350	859	1,020	506	32	2,049	1,888	761	50
351	673	4,722	762	10,396	1,655	7,035	7,111	2,605	246	11,930	7,105	3,534	51
2,256,471	3,336,322	8,839,194	1,465,696	4,196,534	2,485,982	4,417,847	6,338,229	3,023,783	1,979,413	6,830,463	0,485,404	3,456,419	52
64,414	63,844	90,486	30,860	115,233	314,411	54,311	2,050,416	91,614	28,015	531,527	584,002	39,330	53
21,588	31,123	124,576	66,145	82,207	27,427	12,429	84,070	10,236	33,630	72,238	213,685	45,013	54
391,655	536,357	2,725,011	161,525	1,085,251	690,105	1,281,948	748,084	707,788	269,609	1,618,501	2,725,611	393,141	55
218,036	389,669	184,723	191,445	240,152	126,245	47,229	187,713	104,003	264,171	125,941	152,296	453,893	56
32,306	59,877	28,090	30,595	41,733	14,009	17,340	117,608	21,691	50,425	37,432	74,359	74,359	57
369,609	525,026	1,013,793	264,738	931,389	588,034	864,470	1,200,034	517,061	341,448	1,268,572	2,115,180	488,639	58
274,984	369,759	1,820,085	189,200	826,955	530,422	849,545	1,167,710	474,328	234,696	1,219,723	2,053,638	306,311	59
278	283	406	260	867	368	318	466	285	292	394	381	274	60
426,233	651,854	1,022,140	417,944	568,139	233,535	655,219	690,261	587,199	389,910	597,800	1,324,109	902,822	62
253,424	394,714	605,827	247,758	350,674	164,407	483,161	390,394	425,012	204,737	361,051	877,877	583,194	63
112,114	182,817	173,219	105,936	146,697	58,745	109,890	145,277	161,720	107,512	164,127	350,756	225,534	64
40,476	53,369	53,274	43,896	57,405	24,363	77,842	60,335	70,026	41,534	61,119	118,214	91,077	65
225,641	368,928	487,491	214,137	324,822	118,746	368,637	390,878	340,344	210,652	356,357	810,686	471,592	66
115,084	178,067	274,953	113,205	174,849	72,200	235,078	208,100	204,984	160,821	183,770	424,405	271,651	67
613	1,404	7,933	2,692	42,072	4,169	21,570	24,844	7,207	280	47,106	27,000	9,731	68
178	21	139	20	299	59	432	531	10	431	261	261	60	69
4,417	2,098	5,104	1,536	11,932	3,242	3,376	937	3,103	2,268	4,180	3,585	3,481	71
38,496	17,489	35,261	12,364	98,640	22,731	23,104	7,024	20,701	14,862	33,556	25,173	27,324	72
19,266	9,296	17,491	6,093	52,433	11,854	14,480	3,641	11,031	7,321	18,021	12,814	13,635	73

NOT ON FARMS OR RANGES: 1920—Continued.

181	297	541	113	382	249	322	413	222	178	491	627	221	1
255	509	627	223	629	329	427	449	327	407	722	705	304	2
4	13	14	2	5	2	2	2	5	11	3	2	16	3
230	612	1,046	128	424	525	399	894	269	309	330	334	256	5
195	364	794	103	277	362	323	318	225	215	248	653	198	6
3	23	64	110	4	64	2	8	2	16	2	43	6	7
164	666	353	79	251	174	174	182	226	89	224	695	173	8

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

		THE STATE.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.
VALUE OF ALL CROPS.									
1	Total.....dollars..	506,020,233	1,905,589	4,283,931	6,589,066	2,358,199	3,971,766	4,215,357	8,024,302
2	Cereals.....dollars..	302,729,120	287,637	1,289,967	2,768,912	384,833	1,503,082	3,220,352	5,568,070
3	Other grains and seeds.....dollars..	14,945,311	38,450	149,994	586,066	74,387	65,612	93,534	42,752
4	Hay and forage.....dollars..	115,065,984	867,372	990,085	1,407,790	860,899	1,178,252	819,066	1,971,191
5	Vegetables.....dollars..	68,912,550	678,893	1,853,878	1,819,829	1,027,870	1,211,725	63,673	324,333
6	Fruits.....dollars..	3,145,513	30,909	48,675	5,427	9,374	12,483	9,038	93,505
7	All other crops.....dollars..	621,755	2,328	1,332	1,042	1,336	612	94	24,061
SELECTED CROPS (acres harvested and production).									
8	Cereals:								
9	Total.....acres..	11,296,108	11,865	45,838	126,345	20,132	60,904	152,991	187,399
10	.....bushels..	239,802,305	290,791	970,968	1,981,715	336,670	1,221,723	2,283,382	4,218,040
11	Corn.....acres..	2,380,838	994	4,861	938	988	9,821	25,738	70,325
12	.....bushels..	84,780,096	35,549	441,010	139,742	27,519	200,489	673,892	2,543,774
13	Oats.....acres..	3,429,079	7,054	9,838	37,623	9,462	18,177	80,343	42,265
14	.....bushels..	89,108,151	198,054	263,145	860,498	201,043	553,306	717,353	909,084
15	Wheat.....acres..	3,793,402	1,729	7,507	60,112	5,291	15,933	79,517	66,227
16	.....bushels..	37,010,384	16,309	79,452	619,289	47,726	174,592	621,876	584,142
17	Barley.....acres..	814,381	1,128	767	12,032	1,486	3,337	12,647	3,820
18	.....bushels..	14,840,069	23,196	15,599	223,485	23,472	70,133	210,156	57,902
19	Rye.....acres..	649,600	692	14,208	10,404	2,770	12,980	4,099	3,462
20	.....bushels..	8,362,940	11,543	102,790	116,016	33,078	154,805	46,081	39,715
21	Buckwheat.....acres..	26,022	84	237	335	22	6,533	90	833
22	.....bushels..	321,658	1,075	2,266	4,110	249	88	481	923
23	Mixed crops.....acres..	193,864	108	321	880	44	1,745	.....	17,916
24	.....bushels..	4,570,897	3,270	6,376	15,795	1,223	.....	.....	.....
25	Other grains and seeds:								
26	Dry edible beans.....acres..	4,735	135	517	127	97	3	.....	11
27	.....bushels..	50,471	1,707	4,500	1,241	1,087	53	.....	120
28	Flaxseed.....acres..	288,240	181	4	8,124	1,043	409	2,921	491
29	.....bushels..	2,019,464	1,594	40	57,650	4,898	2,950	16,876	3,097
30	Hay and forage:								
31	Total.....acres..	5,020,397	34,866	48,098	77,813	42,449	47,879	37,381	76,025
32	.....tons..	9,291,071	58,626	87,929	110,537	59,747	93,871	68,555	169,157
33	All tame or cultivated grasses.....acres..	1,798,946	18,138	9,279	20,594	17,563	18,793	10,980	24,389
34	.....tons..	2,815,439	31,685	14,380	27,919	28,678	28,601	14,465	42,595
35	Timothy alone.....acres..	514,668	668	1,776	8,494	1,390	1,856	7,530	8,269
36	.....tons..	650,023	1,029	2,153	8,096	1,394	2,328	8,873	13,008
37	Timothy and clover mixed.....acres..	938,045	16,597	3,296	7,534	12,144	6,500	2,192	12,592
38	.....tons..	1,543,144	29,240	6,460	11,251	20,224	11,105	3,517	22,072
39	Clover alone.....acres..	96,202	331	2,758	883	1,602	836	220	1,912
40	.....tons..	173,853	608	4,953	1,473	3,111	1,285	352	3,639
41	Alfalfa.....acres..	45,410	43	101	302	334	11	617	386
42	.....tons..	115,327	113	219	1,403	754	30	1,156	1,142
43	Other tame or cultivated grasses.....acres..	204,631	499	1,348	3,291	1,524	9,581	415	1,209
44	.....tons..	327,089	695	1,695	6,696	2,005	13,853	562	1,834
45	Wild, salt, or prairie grasses.....acres..	2,225,271	15,186	30,794	45,948	22,096	22,734	16,658	31,330
46	.....tons..	2,734,495	20,418	38,903	41,295	24,883	42,754	21,827	48,730
47	Small grains cut for hay.....acres..	39,369	384	206	1,838	1,325	117	174	667
48	.....tons..	105,859	429	326	2,138	1,261	134	208	743
49	Annual legumes cut for hay.....acres..	6,110	29	4	139	104	10	8	78
50	.....tons..	9,826	37	7	165	208	15	7	168
51	Silage crops.....acres..	282,075	296	4,330	4,104	370	1,995	1,756	4,713
52	.....tons..	2,200,973	2,175	32,193	29,589	2,356	14,095	16,999	32,293
53	Corn cut for forage.....acres..	614,598	461	3,461	5,050	991	4,199	7,791	15,243
54	.....tons..	1,375,982	1,198	6,840	14,790	2,371	8,207	15,034	34,156
55	Kafir, sorghum, etc., for forage.....acres..	6,410	10	2	25	.....	19	14	205
56	.....tons..	16,675	28	5	83	.....	30	45	427
57	Root crops for forage.....acres..	6,018	362	22	115	.....	12	.....	20
58	.....tons..	32,425	2,656	275	558	.....	35	.....	40
59	Vegetables:								
60	Potatoes (Irish or white).....acres..	331,930	2,240	8,834	8,585	4,560	6,841	699	1,589
61	.....bushels..	26,690,056	253,049	823,204	771,507	402,666	521,691	19,147	82,512
62	Other vegetables.....acres..	14,652	29	69	24	93	98	7	40
63	Miscellaneous crops:								
64	Sugar beets grown for sugar.....acres..	3,509	.....	.....	.....	.....	.....	.....	224
65	.....tons..	25,507	.....	.....	.....	.....	.....	.....	1,639
66	Maple trees tapped.....number..	52,111	5,649	250	721	2,808	256	.....	307
67	Maple sugar made.....pounds..	3,148	165	.....	100	1,788	5	.....	.....
68	Maple sirup made.....gallons..	12,870	770	45	83	194	48	.....	46
FRUITS.									
69	Small fruits:								
70	Total.....acres..	5,008	88	103	31	87	16	4	148
71	.....quarts..	6,165,120	113,970	201,338	11,014	41,193	24,427	3,536	171,549
72	Strawberries.....acres..	2,768	21	73	8	24	8	3	82
73	.....quarts..	4,111,969	30,505	184,036	2,514	22,220	12,648	2,866	114,490
74	Raspberries.....acres..	1,554	49	9	12	44	6	1	56
75	.....quarts..	1,516,041	71,274	6,987	2,673	11,171	11,120	307	43,568
76	Orchard fruits:								
77	Total.....trees not of bearing age..	769,346	5,203	5,642	1,555	1,729	7,814	3,784	13,861
78	.....trees of bearing age..	1,830,568	7,555	7,800	4,351	1,500	9,029	10,509	62,722
79	.....bushels harvested..	1,058,042	3,279	3,857	1,622	348	4,059	4,812	33,047
80	Apples.....trees not of bearing age..	637,187	3,249	4,064	700	840	5,448	3,169	12,332
81	.....trees of bearing age..	1,696,204	3,947	5,487	1,800	187	6,361	9,109	60,778
82	.....bushels harvested..	1,028,478	2,698	3,615	641	62	3,599	4,662	32,772
83	Plums and prunes.....trees not of bearing age..	102,929	1,484	1,297	516	705	1,660	403	1,135
84	.....trees of bearing age..	193,063	3,238	1,903	2,006	1,157	2,059	1,063	1,585
85	.....bushels harvested..	24,337	598	190	738	247	394	101	184
86	Cherries.....trees not of bearing age..	27,921	456	276	304	181	671	212	386
87	.....trees of bearing age..	35,120	368	372	891	135	589	332	297
88	.....bushels harvested..	4,592	82	21	198	35	61	48	23
89	Grapes.....vines not of bearing age..	11,863	13	27	8	18	12	.....	274
90	.....vines of bearing age..	38,315	21	6	14	7	56	12	1,219
91	.....pounds harvested..	141,278	178	100	3	24	60	160	5,009

AND PRODUCTION OF PRINCIPAL CROPS: 1919.

Brown.	Carlton.	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Clear-water.	Cook.	Cotton-wood.	Crow Wing.	Dakota.	Dodge.	Douglas.	
5,107,802 3,487,582 41,129 1,383,986 151,137 36,448 7,520	2,536,044 249,895 20,322 872,973 1,388,347 4,498 9	5,185,051 3,201,674 4,286 1,486,342 316,163 105,824 71,862	2,162,644 511,092 93,487 720,673 827,477 8,352 1,563	7,307,643 5,867,731 73,378 1,169,652 154,559 31,920 11,000	6,138,791 1,000,275 56,304 1,379,632 3,064,633 33,060 4,887	13,470,762 5,509,910 246,848 1,619,959 6,090,320 3,546 179	1,994,587 650,964 355,935 492,030 494,757 901 -----	90,767 6,492 590 38,182 44,878 568 51	5,502,039 3,946,963 169,858 1,237,845 115,644 31,642 87	1,924,219 645,481 52,431 643,824 557,108 22,914 2,461	6,784,416 3,979,972 79,649 1,431,734 1,161,165 123,304 8,502	4,611,441 2,356,000 374,489 1,580,158 242,569 9,078 -----	6,282,481 3,679,794 304,466 1,466,165 816,694 14,151 1,311	1 2 3 4 5 6 7
157,719 2,733,953 47,574 1,344,474 39,077 832,006 48,830 328,579 3,750 35,627 18,246 189,158 179 2,715 54 1,060	10,440 264,019 135 4,368 7,103 210,817 1,493 17,727 521 10,853 1,026 16,827 35 598 106 2,902	79,577 2,235,586 20,933 1,053,247 14,758 490,284 36,335 525,303 3,881 88,068 3,976 73,522 12 109 128 3,661	23,290 434,442 3,883 112,696 8,402 183,074 2,981 27,735 1,372 24,972 6,076 76,415 293 3,896 176 3,719	199,960 4,934,947 7,844 2,034,553 26,314 2,070,931 67,592 569,622 10,449 227,509 6,790 23,777 13 245 310 7,420	50,448 1,308,740 2,583 325,794 14,766 502,421 14,004 182,740 1,323 35,909 5,798 82,930 24 369 5,681 178,276	266,809 3,047,582 2,583 81,807 78,906 1,559,150 154,039 1,550,641 24,622 391,363 5,293 42,607 108 2,869 263 5,306	27,731 443,995 228 5,923 8,369 182,702 12,261 149,123 1,476 28,332 5,293 76,123 86 190 12 291	273 7,281 1 20 201 6,221 40 457 21 303 5 58 ----- ----- 150	158,022 3,577,927 55,655 1,722,732 70,035 1,627,780 14,836 119,004 9,613 125,543 7,077 70,112 510 5,014 202 5,988	28,091 544,768 4,520 136,062 9,509 243,083 4,379 45,993 954 17,676 7,972 39,899 564 8,030 71 1,506	145,265 3,088,541 27,084 1,028,905 82,747 772,227 40,273 449,200 7,461 165,217 17,215 265,540 445 5,524 19,939 370,898	84,849 2,056,544 24,675 876,008 81,741 736,208 10,000 110,055 10,553 204,563 7,270 9,022 804 11,140 6,416 107,786	129,002 2,481,986 15,744 643,307 27,385 741,123 66,432 807,878 10,545 289,894 7,270 114,235 470 6,770 1,011 25,398	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
2 20 757 3,921	30 261 12 105	9 94 42 292	176 1,075 230 1,543	2 22 3,188 15,710	75 599 13 85	13 176 7,067 50,330	7 70 1,787 12,279	----- ----- ----- 2	2 24 3,756 21,939	107 1,184 141 1,463	36 462 1,887 14,676	15 107 8,365 60,131	33 311 6,081 51,939	24 28 26 27
64,526 112,010 8,168 14,502 2,204 3,332 3,887 6,831 737 1,301 849 1,021 891 1,957	30,745 54,084 26,387 43,443 706 1,098 24,891 40,445 711 981 104 192 475 727	44,809 118,813 19,540 45,943 1,450 3,173 4,292 10,118 1,306 1,319 2,497 5,674 10,709 22,001	33,602 58,170 13,726 19,188 800 984 4,292 15,308 1,030 1,319 2,497 5,674 10,709 22,001	51,929 100,232 8,007 13,726 3,333 4,504 2,411 20,898 3,433 424 723 1,074 2,590 718 2,649	47,583 117,452 20,769 37,567 5,017 8,908 6,332 2,620 3,230 731 1,184 1,001 2,605 3,144 4,874	108,017 141,872 34,490 10,604 15,104 2,462 2,007 4,870 7,914 1,598 2,876 185 326 774 1,351	23,457 34,490 9,336 9,336 15,104 2,462 2,007 4,870 7,914 1,598 2,876 185 326 774 1,351	1,878 2,323 1,563 1,878 104 7,465 9,278 1,753 8 10 ----- ----- 5	60,225 97,282 18,556 25,474 6,384 3,109 8,302 12,112 1,617 2,288 635 1,355 642 1,003	31,145 46,667 13,262 19,358 2,102 3,109 8,302 12,112 730 1,216 123 460 1,915 2,461	51,874 120,500 32,092 45,133 7,068 15,593 23,911 23,162 2,535 4,273 393 955 818 1,190	54,738 125,720 35,148 56,926 7,068 10,190 23,911 41,036 1,110 2,490 469 129 3,013 3,081	67,627 122,063 19,307 28,234 8,290 11,025 6,542 9,936 788 1,341 529 1,267 8,158 4,665	28 29 30 31 32 33 34 35 36 37 38 39 40 41
41,911 08,832 585 809 50 58 1,473 9,656 12,270 22,943 62 190 7 20	3,214 4,978 267 385 37 50 185 1,185 78 94 19 27 558 3,942	15,786 34,939 659 750 42 101 884 21,797 5,952 10,496 14 29 35 359	15,730 21,228 659 750 42 101 884 21,797 5,952 10,496 14 29 35 359	28,923 38,078 573 979 8 10 132 23,892 10,520 23,214 56 154 21 62	19,843 24,400 205 297 58 132 4,172 47,226 2,501 7,717 14 51 67 141	71,228 51,455 4,141 3,739 120 177 0,089 40,101 5,993 26,594 175 450 67 831	12,511 15,468 570 769 29 97 183 1,425 254 736 ----- ----- -----	32 62 109 124 13 19 ----- ----- 3 3 ----- ----- -----	29,666 37,594 876 919 91 121 2,339 14,380 8,555 18,320 124 418 28 56	15,474 19,216 339 416 61 103 606 4,102 1,312 2,561 21 48 131 960	7,727 9,208 320 348 61 103 5,292 52,098 5,713 13,399 5 48 131 202	4,881 6,208 359 431 11 9 5,292 41,892 9,022 20,181 23 46 2 27	38,248 47,900 404 522 62 78 3,949 32,352 5,606 12,724 46 124 5 39	42 43 44 45 46 47 48 49 50 51 52 53 54 55
1,483 33,806 7	4,056 568,816 206	1,196 68,903 490	2,849 312,236 135	850 37,753 109	12,399 1,379,589 33	31,652 2,785,450 93	1,676 198,458 10	130 16,029 5	836 23,412 35	2,001 210,560 70	4,702 318,449 1,300	866 48,467 163	4,587 333,534 62	56 57 58
2 16 46 6 16	----- ----- 15 ----- 3	461 3,770 2,854 10 1,121	----- ----- 1,287 225 85	165 1,100 ----- ----- -----	----- ----- 4,505 35 1,403	----- ----- ----- ----- -----	----- ----- ----- ----- -----	----- ----- 100 ----- 15	----- ----- ----- ----- -----	----- ----- 1,433 10 353	8 48 127 25 51	12 67 119 80 18	1 4 474 ----- 99	59 60 61 62 63
39 25,698 31 21,384 7 3,753	21 13,163 10 6,984 5 3,309	149 147,615 39 58,231 71 52,885	43 30,618 12 14,333 15 9,222	32 19,050 21 14,375 9 3,466	110 93,300 55 64,715 21 14,770	8 11,551 2 3,863 1 660	4 3,817 2 1,835 1 2,362	9 2,549 5 1,254 1 443	44 28,704 35 24,890 6 2,349	111 88,519 33 38,013 37 38,293	182 323,542 124 267,671 451 38,603	67 72,716 40 54,934 21 14,072	36 20,841 14 7,484 21 9,480	64 65 66 67 68 69
0,987 27,434 18,089 8,206 24,563 17,797 1,377 2,617 280 334 352 12	2,934 1,753 906 2,019 931 799 641 664 154 256 145 12	24,497 76,023 42,173 21,055 71,396 41,511 3,139 4,043 639 693 541 18	3,973 24,362 967 2,009 647 316 1,551 2,461 597 387 256 54	9,392 24,362 16,022 7,832 19,767 14,810 1,215 3,884 327 327 660 66	7,945 16,659 7,697 5,320 11,117 6,672 2,239 5,013 948 388 525 77	1,827 1,641 679 1,430 794 487 302 645 160 95 198 30	158 97 24 398 18 7 62 59 19 12 18 1	504 97 24 398 89 21 82 4 24 4 4 3	2,340 28,335 14,960 7,637 24,379 14,790 1,202 3,482 1,004 1,199 346 444 48	2,340 7,545 2,075 1,124 1,482 862 601 1,756 201 92 114 358 55	14,439 45,891 32,209 13,246 47,103 31,999 601 1,061 87 179 122 9	5,397 19,181 19,368 6,826 18,412 19,324 388 2,522 373 581 1,408 178	8,378 15,032 5,409 6,826 11,076 4,810 959 2,522 373 581 1,408 178	70 71 72 73 74 75 76 77 78 79 80 81
266 307 950	----- 4 120	301 2,567 15,468	286 29 75	158 283 739	48 285 1,492	----- ----- -----	----- ----- -----	----- ----- -----	90 409 541	89 320 305	217 220 1,305	46 203 250	51 88 160	82 83 84

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

		Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.	Hubbard.
VALUE OF ALL CROPS.									
1	Total.....dollars..	8,812,989	10,112,885	8,014,116	10,225,860	5,446,305	9,414,680	5,523,464	2,394,027
2	Cereals.....dollars..	6,287,302	6,662,544	4,942,949	6,611,953	3,774,721	2,883,564	3,573,711	539,357
3	Other grains and seeds.....dollars..	60,839	729,733	127,646	411,465	404,759	10,972	143,105	350,289
4	Hay and forage.....dollars..	1,799,961	2,330,264	2,642,096	2,684,984	1,188,980	1,995,100	1,423,545	480,991
5	Vegetables.....dollars..	608,580	305,460	237,464	425,920	121,587	4,099,565	275,149	1,018,511
6	Fruits.....dollars..	53,114	70,304	63,918	90,432	6,308	416,061	75,038	4,590
7	All other crops.....dollars..	3,213	14,580	43	1,106	-----	9,418	32,916	309
SELECTED CROPS (acres harvested and production).									
Cereals:									
8	Total.....acres..	202,539	192,321	158,212	204,914	152,905	78,894	90,439	31,875
9	.....bushels..	5,887,806	5,855,291	4,195,957	5,387,738	2,928,926	2,071,520	3,033,077	453,036
10	Corn.....acres..	77,028	54,299	50,658	20,925	13,641	23,264	31,317	2,719
11	.....bushels..	2,746,813	2,468,080	1,975,031	1,274,957	428,111	1,018,735	1,520,372	68,549
12	Oats.....acres..	68,603	77,113	50,069	43,547	52,097	15,561	31,618	12,065
13	.....bushels..	2,028,552	2,329,778	1,385,056	1,340,558	1,321,409	441,797	982,601	218,916
14	Wheat.....acres..	45,135	34,010	30,260	36,184	62,950	29,819	14,560	5,650
15	.....bushels..	393,500	364,843	308,131	430,888	679,420	401,573	191,923	45,983
16	Barley.....acres..	5,181	10,378	5,631	36,133	22,174	3,017	6,877	579
17	.....bushels..	95,253	500,991	110,943	814,639	477,177	72,955	181,877	9,684
18	Rye.....acres..	2,267	1,432	1,958	20,737	1,613	5,612	390	9,426
19	.....bushels..	22,573	24,156	27,768	524,358	16,432	94,666	6,111	90,541
20	Buckwheat.....acres..	876	335	615	457	182	4	86	337
21	.....bushels..	13,306	3,715	8,509	7,943	2,094	60	646	9,817
22	Mixed crops.....acres..	3,407	5,695	18,984	28,902	132	1,588	5,611	453
23	.....bushels..	85,931	163,008	378,750	993,909	1,634	40,923	169,547	6,825
Other grains and seeds:									
24	Dry edible beans.....acres..	13	16	2	52	3	75	5	222
25	.....bushels..	168	258	31	832	42	999	52	1,656
26	Flaxseed.....acres..	1,005	2,360	2,604	7,423	11,512	75	321	56
27	.....bushels..	9,491	20,309	18,020	73,213	82,706	518	3,249	471
Hay and forage:									
28	Total.....acres..	74,131	74,306	91,406	72,544	59,296	61,642	48,594	22,654
29	.....tons..	139,467	166,179	225,320	218,806	96,073	156,130	98,404	36,122
30	All tame or cultivated grasses.....acres..	29,866	56,793	37,521	49,819	13,792	26,255	38,022	10,676
31	.....tons..	50,843	103,933	68,310	99,643	16,303	62,374	64,386	13,980
32	Timothy alone.....acres..	8,682	11,769	10,700	10,028	9,037	8,332	11,005	2,195
33	.....tons..	13,706	18,742	18,546	17,229	9,207	14,997	17,577	1,972
34	Timothy and clover mixed.....acres..	16,917	41,263	17,117	35,733	1,894	10,970	25,359	6,707
35	.....tons..	30,443	78,064	34,096	73,380	2,367	20,612	46,047	9,484
36	Clover alone.....acres..	1,881	2,070	1,668	3,085	369	1,687	923	1,433
37	.....tons..	3,054	4,501	3,793	6,777	446	3,564	1,876	2,007
38	Alfalfa.....acres..	284	24	211	310	934	2,399	48	33
39	.....tons..	634	103	664	897	1,651	7,956	85	82
40	Other tame or cultivated grasses.....acres..	2,102	1,661	7,825	663	1,558	2,897	187	308
41	.....tons..	3,006	2,623	11,211	1,380	2,632	5,245	301	435
42	Wild, salt, or prairie grasses.....acres..	28,641	1,327	34,953	3,803	32,041	20,235	1,931	5,177
43	.....tons..	37,986	1,846	48,923	5,824	34,887	49,053	3,224	5,275
44	Small grains cut for hay.....acres..	490	61	207	262	189	571	97	587
45	.....tons..	589	96	260	449	184	945	138	668
46	Annual legumes cut for hay.....acres..	11	2	39	20	244	79	7	20
47	.....tons..	16	6	68	30	351	162	10	23
48	Silage crops.....acres..	4,190	4,331	9,015	8,569	3,380	4,349	1,624	742
49	.....tons..	26,645	33,728	83,217	78,946	20,479	42,437	15,444	3,844
50	Corn cut for forage.....acres..	10,780	11,676	9,602	10,019	9,619	3,375	6,553	5,213
51	.....tons..	23,045	26,271	24,343	23,690	23,763	8,125	14,240	11,117
52	Kafir, sorghum, etc., for forage.....acres..	174	93	55	67	31	696	255	12
53	.....tons..	342	258	164	179	106	2,608	429	45
54	Root crops for forage.....acres..	29	24	14	5	-----	82	5	227
55	.....tons..	21	41	35	36	-----	426	33	1,150
Vegetables:									
56	Potatoes (Irish or white).....acres..	6,945	1,291	1,636	1,280	684	14,791	1,693	4,540
57	.....bushels..	242,085	72,943	62,441	100,397	29,680	1,412,653	82,859	428,146
58	Other vegetables.....acres..	17	30	12	275	3	3,345	18	35
Miscellaneous crops:									
59	Sugar beets grown for sugar.....acres..	-----	-----	-----	-----	-----	8	-----	-----
60	.....tons..	-----	-----	-----	-----	-----	93	-----	-----
61	Maple trees tapped.....number	99	81	-----	20	-----	3,766	320	-----
62	Maple sugar made.....pounds	-----	-----	-----	-----	-----	35	-----	-----
63	Maple sirup made.....gallons	18	21	-----	7	-----	927	88	-----
FRUITS.									
64	Small fruits:								
65	Total.....acres..	62	90	87	151	19	692	62	16
66	.....quarts..	81,932	95,058	108,591	215,001	6,503	1,463,433	117,677	15,869
67	Strawberries.....acres..	41	58	53	92	14	812	38	6
68	.....quarts..	67,370	77,131	85,028	170,891	4,018	832,368	91,478	5,872
69	Raspberries.....acres..	16	26	25	49	2	303	16	7
70	.....quarts..	11,600	15,330	15,919	32,682	1,191	488,979	19,094	7,504
Orchard fruits:									
71	Total.....trees not of bearing age..	11,488	11,812	13,964	13,134	2,103	30,974	17,810	1,720
72	.....trees of bearing age..	37,269	50,128	47,671	37,133	6,968	128,700	40,281	2,090
73	.....bushels harvested..	20,792	29,875	23,884	26,191	2,766	59,846	28,275	556
74	Apples.....trees not of bearing age..	10,177	11,089	12,808	10,757	1,445	27,934	16,888	899
75	.....trees of bearing age..	35,842	48,246	45,757	35,069	4,191	117,748	38,741	257
76	.....bushels harvested..	20,719	29,221	28,621	26,028	2,382	56,074	28,042	70
77	Plums and prunes.....trees not of bearing age..	1,013	562	923	1,116	509	2,513	690	679
78	.....trees of bearing age..	1,274	1,622	1,627	1,721	2,085	9,994	1,168	2,029
79	.....bushels harvested..	60	149	59	155	288	710	192	456
80	Cherries.....trees not of bearing age..	275	140	223	256	149	508	217	142
81	.....trees of bearing age..	137	208	160	314	692	662	345	179
82	.....bushels harvested..	8	4	4	13	96	49	38	20
83	Grapes.....vines not of bearing age..	406	130	266	68	35	761	651	-----
84	.....vines of bearing age..	777	79	996	1,217	43	4,191	2,813	-----
pounds harvested..	3,099	445	2,629	485	60	27,664	18,944	-----

AGRICULTURE—MINNESOTA.

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AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Isanti.	Itasca.	Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi- ching.	Lac qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyon.	McLeod.	Mahno- men.	
5,925,233 1,538,917 141,000 949,580 3,273,145 21,010 1,281	1,547,984 148,637 3,944 423,952 966,901 3,925 625	7,814,431 5,994,830 154,988 1,423,184 194,158 47,271	2,931,952 440,060 24,640 950,021 1,504,843 11,357 131	8,000,077 5,613,960 183,305 487,078 773,039 537,851 2,980	6,718,297 4,019,760 487,078 20,449 247,158 537,851 2,980	550,205 81,917 85,964 247,158 180,060 4,589 80	6,828,280 5,098,356 13,331 122 85,964 1,498,707 102,743 42,402 18	135,495 13,331 122 60,692 60,899 445 6	8,024,412 4,502,686 3,044,523 217,452 1,174,018 263,140 36,277 34,700	4,658,723 3,044,523 217,452 1,180,265 1,94,627 15,856	6,241,565 4,674,662 84,267 1,375,680 86,341 20,724	6,086,190 3,949,320 60,560 1,675,320 305,914 44,562 44,568	1,515,791 802,937 223,521 330,278 158,807 248 7	1 2 3 4 5 6 7
57,791 1,230,393 7,228 254,184 18,215 573,124 16,305 203,762 1,289 27,074 14,576 169,173 81 770 81 2,040 1,004 11,257 54 484	5,751 151,026 379 12,973 3,676 108,206 806 10,818 432 10,290 329 5,491 22 476 96 2,505 18 210 2 9	200,328 5,605,930 82,314 2,789,856 98,921 2,643,557 8,180 71,858 7,040 100,423 5,442 52,460 234 2,878 171 4,633 5 50 3,035 22,271	15,261 449,888 1,471 46,762 8,622 306,699 1,922 19,864 1,915 49,698 1,216 23,674 50 484 58 2,482 13 206 102 710	202,098 4,363,162 45,123 1,639,628 55,923 1,650,177 81,767 815,661 15,555 307,435 3,214 39,222 80 740 350 8,574 13 148 5,898 35,452	214,428 2,975,584 221 4,082 46,640 947,297 124,870 1,477,154 25,524 382,167 17,087 161,088 71 972 753 1 6 14,069 105,192	4,359 227,979 3,908,005 53,127 1,506,481 53,511 1,403,307 108,046 750,221 9,411 145,410 3,390 33,580 130 1,473 15 425 6 187 2,905 18,672	564 116,782 2,903,011 38,073 1,713,213 0,363 281,509 65,711 838,044 151,487 27,025 401,300 3,615 30,181 310 402 9,860 2 22 18 109	116,782 2,774,549 33,183 878,676 47,434 1,281,086 1,371,480 23,919 30,436 151,487 11,403 180,914 112,085 3,152 27,318 255 345 3,188 2,076 964 25,568 1 3 5,751 38,104 16,937	171,579 4,029,495 62,750 2,329,047 33,183 1,371,480 30,436 180,914 11,403 112,085 3,152 27,318 345 345 2,076 964 5,200 3 41 2,405 16,937	126,290 2,848,483 29,966 1,273,472 24,974 735,238 57,288 596,284 6,751 111,364 8,004 123,919 59 533 199 5,621 4 41 2,287 14,592	43,817 551,177 652 21,629 12,481 239,796 24,394 203,961 3,664 55,561 2,422 26,593 62 523 199 419 4 38 6,086 50,486	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27		
42,701 78,415 12,760 21,466 2,887 4,162 5,634 10,340 2,929 4,540 66 168 1,244 2,256 20,304 22,780 173 237 68 198 2,033 18,555 1,313 3,040 13 35 37 104 17,796 1,492,627 344 56	15,906 28,032 10,007 17,683 610 1,004 8,859 15,495 307 781 26 69 205 274 4,564 5,616 532 735 27 43 263 1,793 212 620 8 15 293 1,527 3,012 389,457 50 943 267 149	64,302 113,884 24,600 34,468 7,126 8,882 14,099 20,071 1,119 1,877 498 1,408 1,758 2,230 29,135 35,795 460 363 14 3,232 26,879 6,735 16,285 126 376 41 315 1,336 45,677 33 75 15	36,283 48,314 28,191 40,685 513 885 23,244 35,635 911 1,733 46 123 1,477 2,309 6,847 10,433 123 343 181 1,809 15,767 1,254 1,283 13 40 41 315 7,838 663,142 2 75 15	95,016 175,287 11,601 17,767 3,773 5,014 5,653 8,460 365 618 512 1,295 1,298 2,380 65,473 80,825 343 553 3 6,170 50,134 11,373 25,892 53 111 1 2 1,130 52,460 20 61 298 41 28	40,316 59,356 17,762 17,647 9,234 7,242 4,124 4,152 314 286 2,398 4,241 1,692 1,626 15,542 12,454 7,402 6,816 390 4 345 2,105 12,741 3,007 9,399 12 38 6 189 600 3,794 217,875 3 27 1,169 279 460 112 709 187 107 9 124 14,822 1,358 2,254 238 602 517 94 211 230 788	15,400 15,230 8,265 12,135 517 726 7,111 10,301 527 980 30 6,318 80 4,506 22,504 31,873 1,487 1,782 111 223 4,625 20,528 15,753 32,635 73 209 5 10 807 53,107 28 27 192 28	60,803 123,750 3,418 2,611 3,263 4,515 6,341 5,843 9,345 527 980 2,418 6,318 2,882 4,506 22,504 31,873 1,487 1,782 111 223 4,625 20,528 15,753 32,635 73 209 5 10 807 53,107 28 27 192 28	2,448 3,618 2,261 3,263 170 203 2,024 3,048 51 95 3 8 9 13 75 59 69 120 2 2 2 2 2 25 72 168 23,082 3 157 1,203 7,371 80 2,453	116,782 2,903,011 38,073 1,713,213 0,363 281,509 65,711 838,044 151,487 27,025 401,300 3,615 30,181 310 402 9,860 2 22 18 109	137,174 2,774,549 33,183 878,676 47,434 1,281,086 1,371,480 23,919 30,436 151,487 11,403 180,914 112,085 3,152 27,318 255 345 3,188 2,076 964 25,568 1 3 5,751 38,104 16,937	171,579 4,029,495 62,750 2,329,047 33,183 1,371,480 30,436 180,914 11,403 112,085 3,152 27,318 255 345 3,188 2,076 964 5,200 3 41 2,405 16,937	126,290 2,848,483 29,966 1,273,472 24,974 735,238 57,288 596,284 6,751 111,364 8,004 123,919 59 533 199 5,621 4 41 2,287 14,592	43,817 551,177 652 21,629 12,481 239,796 24,394 203,961 3,664 55,561 2,422 26,593 62 523 199 419 4 38 6,086 50,486	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
58 52,489 33 35,694 6 4,691 5,742 9,085 6,099 4,413 7,468 5,778 1,031 2,137 270 282 375 51 43 81 115	21 16,752 15 11,856 3 3,362 801 497 170 300 114 37 369 355 125 125 28 8 35 194 122	70 40,699 54 35,085 10 2,471 13,176 30,439 22,637 11,246 31,279 22,628 1,900 4,088 195 7 460 17 337 644 1,393	25 22,100 10 10,711 4 7,183 8,764 7,098 3,762 5,754 4,625 8,258 2,219 1,956 399 790 517 105 65 230 155	41 28,956 24 18,376 11 7,820 11,165 30,665 15,155 9,213 27,707 14,822 1,358 2,254 238 602 517 94 211 230 788	2 1,169 279 460 112 709 187 107 9 124 14,822 1,358 2,254 238 602 517 94 211 230 788	27 21,033 30 18,076 2 1,710 410 249 60 247 29 20 47 53 90 3 12 105 12 429 1,737	40 17,614 30 11,532 8 4,361 9,486 38,536 22,435 6,492 33,108 21,825 2,074 4,565 320 861 105 167 429 1,737	3 1,873 2 1,559 4 502 509 85 450 183 35 38 11 14 15 6 6 1,335	63 35,619 38 28,076 21 5,393 11,112 31,298 13,806 7,546 8,095 11,446 29,693 6,249 419 1,364 182 114 216 38 250 568 1,335	20 13,178 13 11,004 5 1,391 7,444 17,983 8,573 5,624 15,463 21,178 8,346 1,700 2,207 209 415 266 41 231 285 1,493	40 27,891 42 23,571 6 2,739 7,744 17,983 8,573 5,624 15,463 21,178 8,346 1,700 2,207 209 415 266 41 140 283 1,345	1 399 22 379 14 7,516 10,001 32,462 21,436 9,150 31,178 21,304 1,700 1,000 108 193 192 12 140 283 1,345	562 145 88 387 49 79 76 78 83 20 1 5 3 84	

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

		Marshall.	Martin.	Meeker.	Mille Lacs.	Morrison.	Mower.	Murray.	Nicollet.
VALUE OF ALL CROPS.									
1	Total.....dollars..	8,331,611	11,014,385	6,575,363	3,302,095	6,562,933	7,519,723	7,135,924	4,668,151
2	Cereals.....dollars..	6,159,040	8,814,006	4,371,792	607,734	3,099,734	4,195,800	5,352,619	3,283,783
3	Other grains and seeds.....dollars..	456,866	44,095	90,578	12,435	188,610	558,386	226,319	34,349
4	Hay and forage.....dollars..	1,379,778	1,752,370	1,860,472	1,133,568	1,549,760	2,252,306	1,367,091	1,093,461
5	Vegetables.....dollars..	334,642	302,252	203,393	1,524,819	1,710,962	441,417	151,569	200,030
6	Fruits.....dollars..	1,281	75,036	37,773	15,067	12,689	53,678	23,678	41,295
7	All other crops.....dollars..		26,626	11,350	8,472	1,188	20,076	14,648	15,233
SELECTED CROPS (acres harvested and production).									
Cereals:									
8	Total.....acres..	300,654	229,199	153,971	19,800	119,772	166,074	192,479	112,656
9	.....bushels..	3,930,245	8,436,436	3,084,561	572,776	2,353,993	4,278,572	5,024,754	2,376,841
10	Corn.....acres..	723	103,561	32,513	2,759	15,556	32,561	71,224	35,494
11	.....bushels..	22,868	4,236,797	1,204,841	101,195	445,033	1,122,757	2,463,135	1,363,828
12	Oats.....acres..	66,471	115,974	28,468	8,996	32,036	102,466	91,232	20,692
13	.....bushels..	1,368,012	4,046,043	770,901	333,117	943,743	2,674,494	2,289,079	453,035
14	Wheat.....acres..	167,747	5,387	72,712	3,601	36,624	14,587	12,089	44,653
15	.....bushels..	1,682,206	69,409	754,818	42,394	441,633	132,462	74,888	402,887
16	Barley.....acres..	39,981	2,788	9,451	2,195	5,057	8,083	13,511	3,917
17	.....bushels..	591,238	60,620	179,787	60,874	108,415	159,716	157,159	59,654
18	Rye.....acres..	25,304	778	9,170	1,910	27,674	440	3,908	7,637
19	.....bushels..	258,988	7,608	121,372	25,652	389,066	6,260	35,326	93,060
20	Buckwheat.....acres..	144	582	503	58	1,736	1,772	385	45
21	.....bushels..	1,049	9,704	5,335	696	21,898	25,856	2,284	294
22	Mixed crops.....acres..	54	127	800	266	103	6,165	116	143
23	.....bushels..	550	6,221	13,690	8,448	2,215	180,027	2,680	2,362
Other grains and seeds:									
24	Dry edible beans.....acres..	10	7	67	37	44	29	7	6
25	.....bushels..	104	71	759	571	351	235	76	62
26	Flaxseed.....acres..	12,687	1,075	2,591	62	902	9,980	6,045	941
27	.....bushels..	93,005	7,136	17,938	669	7,168	81,980	41,419	5,476
Hay and forage:									
28	Total.....acres..	80,046	70,267	70,363	39,289	78,158	86,420	64,162	49,879
29	.....tons..	107,307	153,357	161,602	82,105	119,981	174,357	109,442	88,844
30	All tame or cultivated grasses.....acres..	20,495	27,796	16,221	23,502	18,935	58,205	21,649	8,510
31	.....tons..	26,276	37,584	30,124	42,907	28,999	84,472	28,395	15,390
32	Timothy alone.....acres..	11,819	9,703	4,348	808	4,814	16,704	8,011	2,638
33	.....tons..	11,143	12,366	7,067	1,246	6,937	22,938	10,325	4,356
34	Timothy and clover mixed.....acres..	4,377	13,072	8,787	19,400	10,246	36,850	9,940	3,266
35	.....tons..	5,239	18,398	10,152	36,337	16,327	55,196	12,858	5,700
36	Clover alone.....acres..	472	715	925	794	1,930	1,698	956	579
37	.....tons..	756	1,036	1,959	1,550	3,078	2,910	1,215	1,180
38	Alfalfa.....acres..	1,579	142	636	29	46	30	472	487
39	.....tons..	5,524	339	2,014	32	102	85	939	1,590
40	Other tame or cultivated grasses.....acres..	2,248	4,164	1,525	2,471	1,899	2,923	2,270	1,000
41	.....tons..	3,614	5,445	2,932	3,742	2,255	3,343	3,058	2,564
42	Wild, salt, or prairie grasses.....acres..	40,946	24,516	41,741	12,054	52,580	6,069	28,497	33,382
43	.....tons..	33,936	30,449	61,425	19,150	70,287	6,197	36,121	46,324
44	Small grains cut for hay.....acres..	11,106	87	915	218	201	150	852	270
45	.....tons..	12,858	107	1,723	339	263	162	1,026	458
46	Annual legumes cut for hay.....acres..	119	22	110	323	36	3	146	17
47	.....tons..	279	19	216	496	56	5	198	34
48	Silage crops.....acres..	3,226	6,915	6,412	1,700	1,822	6,778	2,509	1,470
49	.....tons..	19,767	57,676	56,918	14,787	12,603	49,443	17,919	13,874
50	Corn cut for forage.....acres..	4,679	10,571	4,857	1,321	4,330	15,140	10,219	6,172
51	.....tons..	13,972	26,314	10,897	3,393	7,430	33,899	25,116	12,628
52	Kafir, sorghum, etc., for forage.....acres..	54	250	96	11	27	74	260	55
53	.....tons..	167	333	262	42	28	187	667	109
54	Root crops for forage.....acres..	21	110	11	160	227	1	.....	3
55	.....tons..	52	872	32	991	525	2	.....	27
Vegetables:									
56	Potatoes (Irish or white).....acres..	1,544	1,360	1,030	7,227	7,621	2,970	1,432	784
57	.....bushels..	92,870	71,285	52,017	661,494	698,920	144,713	36,078	42,501
58	Other vegetables.....acres..	6	31	12	22	50	108	20	19
Miscellaneous crops:									
59	Sugar beets grown for sugar.....acres..		238	51			304		24
60	.....tons..		2,400	408			1,848		173
61	Maple trees tapped.....number..				2,228	506	66		281
62	Maple sugar made.....pounds..				60	55			1
63	Maple sirup made.....gallons..				464	146	18		92
FRUITS.									
Small fruits:									
64	Total.....acres..	8	76	62	32	28	61	22	32
65	.....quarts..	4,349	88,977	30,425	28,449	23,412	76,689	19,020	41,866
66	Strawberries.....acres..	3	56	50	12	18	40	13	22
67	.....quarts..	2,755	75,722	25,257	17,243	18,571	62,200	16,231	29,461
68	Raspberries.....acres..	3	16	9	14	8	18	7	6
69	.....quarts..	667	11,742	4,020	6,705	3,617	10,719	1,693	9,553
Orchard fruits:									
70	Total.....trees not of bearing age..	810	74,765	11,544	6,944	9,481	16,052	9,488	17,663
71	.....trees of bearing age..	736	58,785	32,491	8,880	10,918	30,577	18,946	28,719
72	.....bushels harvested..	196	31,675	18,255	5,385	4,349	21,930	11,438	18,746
73	Apples.....trees not of bearing age..	433	72,809	10,115	4,452	6,100	14,959	6,465	16,053
74	.....trees of bearing age..	169	54,412	29,971	6,568	6,446	28,005	14,243	26,217
75	.....bushels harvested..	91	31,290	18,001	4,964	3,705	21,806	11,029	18,609
76	Plums and prunes.....trees not of bearing age..	309	849	904	1,976	2,634	887	2,308	1,282
77	.....trees of bearing age..	530	1,535	1,815	1,786	3,557	1,762	4,124	2,174
78	.....bushels harvested..	103	56	170	289	556	111	368	131
79	Cherries.....trees not of bearing age..	68	1,070	613	502	658	201	647	228
80	.....trees of bearing age..	37	2,791	671	525	774	170	548	283
81	.....bushels harvested..	2	819	56	152	68	7	41	6
82	Grapes.....vines not of bearing age..	4	412	247	81	144	97	255	276
83	.....vines of bearing age..		5,759	226	10	108	57	130	978
84	.....pounds harvested..		18,288	1,157	14	25	.....	810	3,967

AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Nobles.	Norman.	Olmsted.	Otter Tail.	Pennington.	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake.	Redwood.	Renville.	Rice.	
8,967,485 7,131,065 171,079 1,283,437 345,150 36,737 17	7,373,925 4,102,570 456,785 1,215,244 1,595,697 3,613 16	8,169,806 5,083,511 398,391 2,223,544 380,427 75,510 8,423	17,568,127 9,916,181 877,794 4,045,798 2,705,342 18,257 4,755	2,276,112 1,197,602 164,312 1,017,296 145,585 423 558	4,933,674 1,128,099 51,613 1,017,296 2,105,885 30,223 558	4,873,101 3,683,983 93,011 760,523 329,858 5,720 1,081	14,438,670 8,055,065 930,857 2,641,583 2,801,651 7,433 1,081	5,940,721 3,864,713 354,744 1,546,637 166,769 7,858 60,408	1,773,085 315,608 1,773 482,097 913,199 879 7	1,956,482 1,225,012 115,589 485,751 129,244 879 7	6,845,853 4,987,464 63,310 1,628,824 127,090 36,150 3,015	9,457,450 6,748,595 134,329 2,281,051 207,906 64,341 21,228	6,372,788 4,089,084 128,786 1,706,400 331,486 55,116 1,553	1 2 3 4 5 6 7
233,259 7,011,565 98,328 3,175,465 123,303 8,680,769 4,243 40,202 5,987 98,750 979 10,456 301 3,783 1,225 7	237,121 2,859,841 1,786 52,855 99,127 1,230,945 124,411 1,015,741 80,811 452,052 10,569 90,074 158 2,583 75 2,150 20	150,530 4,432,612 37,834 1,649,715 49,010 1,641,620 24,354 287,577 24,261 561,107 4,826 70,803 399 4,982 9,872 238,748 10	382,408 6,889,075 39,820 1,240,020 93,143 2,329,352 181,785 1,998,264 27,638 575,573 37,862 702,370 489 6,474 1,263 27,124 311	69,941 829,302 250 7,127 20,112 355,724 32,341 273,697 4,347 59,058 12,293 123,711 237 8,207 262 4,527 4	40,438 1,081,503 6,339 216,300 20,721 656,756 5,756 66,824 3,045 66,493 4,128 66,533 189 1,912 130 3,557 157	135,698 3,636,731 44,297 1,304,154 99,611 1,971,484 6,871 49,217 14,227 239,854 25,681 263,120 1,149 7,831 303 3,120 7	435,629 5,235,421 19,659 627,410 53,027 1,340,092 66,036 664,049 15,489 322,462 2,870 32,541 735 7,836 344 7,514 9	158,224 3,013,070 19,659 627,410 53,027 1,340,092 66,036 664,049 15,489 322,462 2,870 32,541 735 7,836 344 7,514 33	10,546 256,624 2,309 81,941 4,026 111,230 2,445 36,430 349 5,277 1,341 20,325 11 165 65 1,556 104	74,323 871,491 587 17,993 27,032 401,532 29,922 273,344 4,803 6,712 10,856 181,959 1,029 13,108 37 859 1	235,710 4,256,788 70,630 1,985,478 77,893 1,684,022 61,491 321,075 6,712 10,856 181,959 745 8,700 105 2,385 4	278,502 5,403,151 77,345 2,446,906 74,044 1,934,255 105,385 746,405 12,089 160,555 7,799 75,688 317 3,357 1,416 34,596 4	122,627 2,996,907 30,615 1,261,542 23,682 694,655 43,677 547,485 7,183 173,146 7,066 137,848 1,227 1,227 10,324 210,944 14	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
7 75 4,043 29,277 62,746 102,818 26,173 31,693 6,507 7,035 16,631 20,359 1,115 1,597 248 1,024 1,672 2,078 25,031 26,361 381 450 23 23 2,268 23,451 7,655 17,013 285 827 2,061 104,465 9	20 217 12,534 86,372 70,178 105,511 17,805 18,720 9,070 8,008 3,164 3,472 576 810 1,124 1,057 3,271 4,473 38,800 22,816 5,773 6,553 377 4,623 81,814 8,760 24,966 88 259 2 6 10,089 713,910 3	150,530 4,432,612 37,834 1,649,715 49,010 1,641,620 24,354 287,577 24,261 561,107 4,826 70,803 399 4,982 9,872 238,748 10 69,877 133,168 30,832 69,631 10,768 17,065 27,640 49,931 1,132 2,142 15 35 277 458 2,096 3,142 179 298 5 7,993 61,136 19,760 48,776 51 128 21 54 1,926 104,719 181	382,408 6,889,075 39,820 1,240,020 93,143 2,329,352 181,785 1,998,264 27,638 575,573 37,862 702,370 489 6,474 1,263 27,124 311 181,703 133,168 30,832 69,631 10,768 17,065 27,640 49,931 4,639 7,761 2,383 5,019 5,773 9,669 79,295 95,290 4,206 5,750 585 1,104 12,715 91,744 21,184 51,745 87 268 93 412 13,196 1,112,877 119	69,941 829,302 250 7,127 20,112 355,724 32,341 273,697 4,347 59,058 12,293 123,711 237 8,207 262 4,527 4 53,961 50,468 17,051 17,011 13,563 12,107 3,410 49,603 264 2,301 268 68 216 984 1,600 17,285 22,708 617 839 18 24 2,558 23,040 3,227 8,566 27 90 604 3,719 9,359 910,938 65	40,438 1,081,503 6,339 216,300 20,721 656,756 5,756 66,824 3,045 66,493 4,128 66,533 189 1,912 130 3,557 157 60,661 58,493 36,425 20,343 3,781 5,255 30,365 11,612 649 726 322 699 1,271 1,688 12,802 13,032 58,942 14,848 17,278 355 417 6,679 42,860 9,493 31,945 116 306 110 598 2,408 117,587 2	135,698 3,636,731 44,297 1,304,154 99,611 1,971,484 6,871 49,217 14,227 239,854 25,681 263,120 1,149 7,831 303 3,120 7 39 2,327 15,988 39,957 261,106 101,112 47,484 58,866 20,349 19,909 12,788 4,897 6,650 374 191 307 693 514 2,015 3,171 46,233 54,996 120 189 52 63 4,236 27,398 9,493 22,965 116 306 110 598 1,084 52,648 11 2,575 211,320 1,407	158,224 3,013,070 19,659 627,410 53,027 1,340,092 66,036 664,049 15,489 322,462 2,870 32,541 735 7,836 344 7,514 9 81 10,205 72,187 79,156 128,839 18,993 23,100 11,487 1,784 2,271 3,251 5,164 191 307 693 514 2,015 3,171 46,233 54,996 120 189 52 63 4,236 27,398 9,493 22,965 116 306 110 598 1,084 52,648 11 2,575 211,320 1,407	10,546 256,624 2,309 81,941 4,026 111,230 2,445 36,430 349 5,277 1,341 20,325 11 165 65 1,556 33 306 5 45 19,216 15,478 33,094 37,085 7,418 13,901 13,402 9,205 7,912 3,953 4,559 191 307 693 514 2,015 3,171 46,233 54,996 120 189 52 63 4,236 27,398 9,493 22,965 116 306 110 598 1,084 52,648 11 2,575 211,320 1,407	74,323 871,491 587 17,993 27,032 401,532 29,922 273,344 4,803 6,712 10,856 181,959 1,029 13,108 37 859 1 104 1,261 4,251 19,216 33,094 37,085 7,418 13,901 13,402 9,205 7,912 3,953 4,559 191 307 693 514 2,015 3,171 46,233 54,996 120 189 52 63 4,236 27,398 9,493 22,965 116 306 110 598 1,084 52,648 11 2,575 211,320 1,407	235,710 4,256,788 70,630 1,985,478 77,893 1,684,022 61,491 321,075 6,712 10,856 181,959 745 8,700 105 2,385 4 104 1,261 4,251 19,216 15,478 33,094 37,085 7,418 13,901 13,402 9,205 7,912 3,953 4,559 191 307 693 514 2,015 3,171 46,233 54,996 120 189 52 63 4,236 27,398 9,493 22,965 116 306 110 598 1,084 52,648 11 2,575 211,320 1,407	278,502 5,403,151 77,345 2,446,906 74,044 1,934,255 105,385 746,405 12,089 160,555 7,799 75,688 317 3,357 1,416 34,596 4 104 1,261 4,251 19,216 15,478 33,094 37,085 7,418 13,901 13,402 9,205 7,912 3,953 4,559 191 307 693 514 2,015 3,171 46,233 54,996 120 189 52 63 4,236 27,398 9,493 22,965 116 306 110 598 1,084 52,648 11 2,575 211,320 1,407	122,627 2,996,907 30,615 1,261,542 23,682 694,655 43,677 547,485 7,183 173,146 7,066 137,848 1,227 1,227 10,324 210,944 14 33,923 1,135 1,293 1,111 218 4,253 24,389 10,462 30,465 185 70 192 1,097 23,752 13 301 2,038 3 2 8 1 56 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84		

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

		Rock.	Roseau.	St. Louis.	Scott.	Sherburne.	Sibley.	Stearns.	Steele.	
VALUE OF ALL CROPS.										
1	Total.....	dollars..	7,865,073	2,549,344	3,784,908	4,018,843	4,031,196	6,125,436	12,770,786	5,247,974
2	Cereals.....	dollars..	6,066,421	1,319,322	301,047	2,898,038	1,780,841	4,279,114	8,101,717	3,081,087
3	Other grains and seeds.....	dollars..	37,832	238,638	14,148	9,328	102,270	59,027	804,614	70,160
4	Hay and forage.....	dollars..	803,431	703,541	1,375,320	902,113	834,153	1,466,900	2,937,231	1,695,003
5	Vegetables.....	dollars..	345,140	225,972	2,027,200	203,228	1,291,564	262,889	1,366,714	343,383
6	Fruits.....	dollars..	12,249	1,871	7,144	20,657	11,240	32,651	27,851	57,476
7	All other crops.....	dollars..			49	14,981	11,128	24,765	32,659	915
SELECTED CROPS (acres harvested and production).										
8	Cereals:									
9	Total.....	acres..	174,837	73,755	14,201	81,120	70,941	156,976	281,830	102,812
10	Corn.....	bushels..	6,307,471	999,948	372,777	1,945,138	1,395,046	3,112,271	6,067,366	2,496,349
11	Oats.....	acres..	80,701	278	216	21,330	23,423	44,889	55,028	28,303
12	Wheat.....	bushels..	3,246,009	3,384	9,022	931,729	706,308	1,533,598	1,897,342	1,182,356
13	Barley.....	acres..	32,001	23,409	6,603	11,973	14,279	30,883	75,400	22,463
14	Rye.....	bushels..	2,855,584	444,801	290,972	337,677	358,100	776,353	2,115,247	543,170
15	Buckwheat.....	acres..	4,284	26,920	2,553	35,907	11,059	66,487	107,524	20,022
16	Mixed crops.....	bushels..	40,194	248,770	33,326	465,660	111,710	601,158	1,243,745	208,334
17	Dry edible beans.....	acres..	6,556	6,307	1,105	1,431	891	4,800	15,758	5,165
18	Flaxseed.....	bushels..	147,240	75,974	24,989	32,577	14,113	66,118	339,039	102,174
19	Rye.....	acres..	901	17,272	603	9,599	20,470	10,166	24,350	1,716
20	Buckwheat.....	bushels..	12,672	192,334	11,984	102,358	191,486	130,192	389,776	25,758
21	Mixed crops.....	acres..	84	182	7	61	374	52	1,438	247
22	Other grains and seeds.....	bushels..	482	1,895	92	528	3,505	815	19,186	3,874
23	Dry edible beans.....	acres..	166	216	53	816	232	123	2,195	24,896
24	Flaxseed.....	bushels..	4,440	3,767	1,735	14,544	5,774	2,762	60,206	430,683
25	Other grains and seeds:									
26	Dry edible beans.....	acres..	3	5	7	3	91	2	63	6
27	Flaxseed.....	bushels..	35	57	77	39	729	25	400	78
28	Hay and forage.....	acres..	677	7,255	6	26	72	1,672	7,006	1,419
29	Timothy alone.....	bushels..	6,645	37,627	72	112	556	10,088	40,636	10,389
30	Hay and forage:									
31	Total.....	acres..	34,460	57,197	56,053	31,310	40,646	71,981	137,551	62,786
32	All tame or cultivated grasses.....	tons..	65,418	53,761	85,159	70,143	72,992	117,239	250,990	140,783
33	Timothy alone.....	acres..	14,617	20,213	47,181	14,704	9,252	11,448	28,171	22,155
34	Timothy and clover mixed.....	tons..	19,193	20,324	69,354	28,085	12,015	20,302	43,586	42,169
35	Clover alone.....	acres..	3,568	11,296	2,394	1,899	1,987	3,430	8,418	4,077
36	Alfalfa.....	tons..	3,906	9,782	3,006	3,369	2,080	5,529	10,560	6,974
37	Other tame or cultivated grasses.....	acres..	8,279	6,922	43,800	3,342	4,045	4,797	9,556	12,335
38	Wild, salt, or prairie grasses.....	tons..	10,594	7,982	64,075	6,914	5,103	8,934	14,642	24,702
39	Small grains cut for hay.....	acres..	785	643	691	823	2,580	853	2,994	1,901
40	Annual legumes cut for hay.....	tons..	994	1,051	1,079	1,819	3,717	1,622	4,870	4,454
41	Silage crops.....	acres..	633	345	73	539	131	169	284	93
42	Corn cut for forage.....	tons..	1,465	450	247	1,749	474	479	659	324
43	Kafir, sorghum, etc., for forage.....	acres..	1,352	1,007	223	8,101	509	2,199	9,910	3,749
44	Root crops for forage.....	tons..	2,174	1,059	347	14,234	641	3,438	12,946	5,715
45	Vegetables:									
46	Potatoes (Irish or white).....	acres..	2,456	1,495	5,186	891	7,380	1,488	6,974	1,839
47	Other vegetables.....	bushels..	138,998	71,392	758,003	52,042	570,587	58,469	519,522	108,347
48	Miscellaneous crops:									
49	Sugar beets grown for sugar.....	acres..	6	10	181	14	98	500	118	130
50	Maple trees tapped.....	number..				39		241		
51	Maple sugar made.....	pounds..				310		1,736		
52	Maple sirup made.....	gallons..				436		152		
53	Maple sirup made.....	gallons..				13		39		
54	Maple sirup made.....	gallons..				104		30		
55	Maple sirup made.....	gallons..								
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98	Maple sirup made.....	gallons..								
99	Maple sirup made.....	gallons..								
100	Maple sirup made.....	gallons..								

AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Stevens.	Swift.	Todd.	Traverse.	Wabasha.	Wadena.	Waseca.	Washington.	Watson.	Wilkin.	Winona.	Wright.	Yellow Medicine.
5,206,792 3,800,796 274,799 987,998 132,826 6,207 5,136	7,220,969 5,305,687 193,692 1,580,080 126,575 14,843 87	6,938,606 3,005,059 133,492 1,806,341 1,918,142 13,426 2,146	5,230,956 4,248,057 133,492 100,204 790,383 114,770 7,424 28	6,635,271 4,106,414 206,011 1,418,411 717,104 54,272 13,059	2,769,151 831,095 74,711 711,449 1,143,654 1,386 256	4,620,298 3,054,144 59,394 1,293,895 175,253 37,595 6,017	5,310,916 2,413,256 34,855 1,824,246 1,430,852 107,856 151	4,600,209 3,803,134 24,636 1,131,066 117,193 31,929 1,219	6,593,694 4,798,650 198,870 1,052,245 533,398 2,531 2,000	6,975,217 4,087,839 281,880 1,769,767 715,837 122,262 7,642	8,976,554 5,562,141 40,337 2,239,175 936,275 140,656 57,970	7,112,248 5,465,015 84,478 1,433,617 91,207 35,855 2,066
162,152 2,082,176 21,767 627,775 50,894 1,271,032 64,400 613,283 23,641 445,384 889 8,804	224,130 4,338,748 45,055 1,312,019 73,052 1,963,260 85,996 717,464 15,267 295,216 4,477 42,309	118,774 2,364,871 22,473 641,442 33,085 916,849 36,704 369,973 7,533 153,750 16,937 246,054	203,630 2,981,811 22,135 581,080 47,405 1,068,619 111,515 929,449 17,858 337,819 4,298 39,716	130,502 3,347,513 22,807 1,083,768 30,263 930,974 27,515 328,101 27,024 597,104 15,926 271,970	42,608 690,904 7,099 191,670 13,432 211,208 5,617 48,149 1,952 31,212 51,318 3,529 44,120	109,133 2,191,175 39,019 1,242,583 18,946 394,085 47,073 404,883 5,592 51,318 8,542 129,908 67	83,246 1,005,509 13,376 527,431 24,227 644,376 22,088 284,052 5,900 130,042 8,542 129,908 139	112,187 2,079,523 43,227 1,674,750 49,335 1,171,145 3,297 146,038 5,406 3,157 36,642 3,021 28,398 42	227,213 3,030,016 9,415 258,742 53,844 1,100,762 1,399,177 148,038 442,192 13,483 231,451 3,206 24,325 2,079	129,066 3,253,049 24,691 1,105,423 36,875 1,050,071 36,742 442,192 19,041 419,910 5,178 83,093 466	150,433 3,848,381 45,966 1,990,417 21,399 659,063 68,568 876,917 6,313 147,831 5,498 92,145 511	193,690 4,085,810 56,668 1,538,619 90,945 1,516,909 66,184 923,633 6,112 77,454 3,333 33,029 186
217 8,125	395 88 2,427	4,301 1,323 28,127	527 93 1,200	2,310 6,806 182,120	2,511 829 10,391	1,051 2,891 52,168	2,229 7,985 190,031	532 93 2,750	580	66 882 1,372 7,733 42,048	41 687 279 2,458	1 5 25 20 27
3 37 8,005 54,310	5 48 7,556 41,817	489 6 5,388 1,399 11,529	1 6 3,327 21,807	5 65 424 3,563	129 889 309 2,590	3 38 423 2,768	89 716 302 2,385	1 6 577 2,773	5 80 7,733 42,048	66 882 1,372 12,504	41 687 279 2,458	24 25 20 27
55,806 79,074 15,599 17,083 11,869 11,380 1,580 2,082 193 294 745 2,193 999 1,194	94,383 132,032 10,462 12,647 6,300 1,580 1,016 1,165 155 729 1,919 1,070 2,357	85,334 150,355 19,845 30,867 6,151 7,461 10,309 1,504 17,456 1,227 2,084 298 892 1,860 2,974	40,970 61,824 12,095 13,990 3,588 8,701 1,340 2,006 38 44 624 1,291 1,505 1,954	41,606 111,854 27,883 55,648 4,830 8,580 4,968 6,230 1,681 3,326 48 134 208 381	40,822 57,099 9,237 10,895 2,213 2,286 4,968 6,230 750 900 440 489 860 984	52,091 104,439 14,185 24,028 2,853 4,672 8,216 14,024 2,068 4,109 141 408 907 1,415	42,473 108,483 20,983 44,604 10,117 13,300 6,731 11,019 350 524 213 511 1,538 615	48,365 94,652 12,848 20,010 7,645 6,619 1,384 1,308 122 100 222 805 912 1,296	81,542 88,616 10,455 10,194 7,645 6,619 1,384 1,308 122 100 222 805 912 1,296	54,108 139,082 35,968 65,140 10,336 16,806 23,818 44,054 1,781 3,475 37 100 496 705	70,918 177,703 31,990 67,702 5,215 9,495 10,700 23,150 1,715 4,192 788 2,445 18,560 28,480	62,861 117,094 14,404 24,002 3,148 4,152 5,084 9,484 423 624 788 5,286 3,006 4,906
29,770 33,021 34 25	64,192 72,084 412 507	52,098 07,698 169 164	17,464 17,107 212 240	1,980 3,538 28 38	24,404 26,016 283 272	28,369 43,439 237 272	4,481 6,176 213 220	23,683 33,783 560 631	58,290 40,274 1,184 1,224	885 1,545 115 194	26,945 55,401 302 502	26,272 38,240 2,627 3,605
2,491 14,133 7,870 15,180 102 232	2,872 17,588 10,395 29,146 11 28	4,991 39,712 8,069 17,340 30 71	1,483 8,993 8,061 21,389 55 99	3,377 34,729 8,288 17,706 13 26	1,430 8,486 5,364 11,716 72 360	2,214 19,219 6,993 10,692 27 83 28 71	4,586 42,478 0,176 14,766 18 25 16 164	3,205 22,600 8,009 17,472 68 151 2 5	2,708 14,719 8,171 20,776 655 1,300 74	5,132 46,538 11,635 25,478 41 87 19 145	3,758 38,795 7,818 14,918 56 124 19 145	4,101 24,658 14,612 25,354 276 577 2 10
959 37,636 18	1,116 31,937 87	10,320 808,524 39	606 25,049 4	2,204 184,047 1,357	5,717 491,152 199	775 41,329 7	5,774 562,375 334	666 26,098 9	3,720 216,035 8	2,928 228,999 306	4,017 328,908 902	743 20,532 14
				117 1,284 3,302		2 16 974				90 747 194	472 3,027 8,172 95 2,506	25 174 61 62 63
8 4,442 5 3,110 2 1,002	18 7,006 14 5,393 3 2,043	36 25,040 13 12,128 10 6,959	10 5,057 5 2,806 2 1,201	51 72,571 80 48,858 18 22,330	9 4,607 3 2,024 3 958	51 49,331 35 41,938 10 5,513	237 373,367 101 207,628 112 151,704	35 26,320 27 21,158 5 2,452	8 3,512 4 1,827 2 350	145 326,543 79 229,799 53 82,632	101 98,820 62 68,997 29 25,278	55 24,703 45 20,404 8 9 69 2,315
4,662 6,455 2,415 2,917 3,530 2,100 1,378 2,036 199 361 577 56	8,587 18,004 7,478 7,153 15,972 6,829 3,023 463 461 989 176	7,745 11,702 4,518 5,086 6,142 3,560 3,150 3,717 832 626 607 129	2,891 9,220 3,523 2,163 6,142 3,150 699 2,309 283 29 757 80	7,834 28,987 22,647 7,343 27,919 22,537 369 874 87 109 164 8	2,156 784 194 536 97 22 1,434 535 124 170 137 44	6,883 26,329 15,851 6,281 25,309 15,780 482 830 78 120 186 11	11,916 37,828 16,235 10,896 34,237 15,089 880 2,944 1,461 52 198 195 4	7,488 19,704 15,413 6,586 18,028 15,345 685 1,421 287 311 349 549 13	2,737 5,088 1,983 1,294 1,712 15,345 -1,094 2,827 725 811 719 202	21,924 47,388 30,328 20,632 43,882 29,795 916 2,750 382 710 1,278 165	21,538 70,455 69,523 10,036 64,230 69,042 1,752 4,605 3,382 710 1,278 165	14,002 36,196 17,833 10,779 30,902 17,402 2,343 4,397 877 751 31
61 17 40	28 65 260	55 19 50	29 88 425	24 126 429	215 477 1,399	132 3,207 2,165	62 237 968	12 237 968	1,751	637 1,619 6,674	346 441 1,474	82 84 83

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

	THE STATE.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.	Brown.
MORTGAGE DEBT REPORTS: 1920.									
1	For all farms operated by owners:								
2	Number free from mortgage debt.....	54,086	618	605	734	1,206	380	178	720
3	Number with mortgage debt.....	60,545	1,119	637	1,288	1,464	704	399	1,043
4	Number with no mortgage report.....	9,113	67	37	89	191	262	34	204
5	For farms consisting of owned land only:								
6	Number of farms reporting amount of debt.....	57,585	996	506	1,020	1,291	649	280	827
7	Value of land and buildings.....dollars..	925,963,060	4,532,970	5,233,970	8,710,942	4,896,935	7,715,979	7,879,238	19,286,622
8	Amount of mortgage debt.....dollars..	254,475,222	1,065,930	1,403,110	2,684,864	1,181,480	2,249,951	1,977,265	5,577,896
9	Ratio of debt to value.....per cent..	27.5	23.5	26.8	30.8	24.1	29.2	25.1	28.9
10	Average rate of interest paid.....per cent..	5.8	6.4	5.9	6.3	6.9	6.0	5.9	5.4
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
11	Labor:								
12	Farms reporting.....number..	111,697	679	778	1,407	998	760	865	1,876
13	Total expenditure.....dollars..	49,811,218	142,798	339,711	470,126	212,245	225,617	536,112	830,462
14	Amount in cash.....dollars..	36,450,774	112,232	241,231	356,826	169,818	163,739	376,898	600,576
15	Value of rent and board furnished.....dollars..	13,360,444	30,566	98,480	113,300	42,427	61,878	159,214	229,886
16	Fertilizer:								
17	Farms reporting.....number..	3,031	9	27	12	22	5	28	23
18	Amount expended.....dollars..	432,689	304	2,873	1,028	1,661	855	9,731	2,105
19	Feed:								
20	Farms reporting.....number..	100,530	1,388	1,092	1,420	1,914	898	533	1,711
21	Amount expended.....dollars..	22,940,650	199,810	264,764	217,189	287,250	122,538	210,536	444,711
MORTGAGE DEBT REPORTS: 1920.									
1	For all farms operated by owners:								
2	Number free from mortgage debt.....	793	865	403	275	1,031	470	392	70
3	Number with mortgage debt.....	1,004	703	367	586	809	705	679	56
4	Number with no mortgage report.....	40	82	114	132	29	79	90	11
5	For farms consisting of owned land only:								
6	Number of farms reporting amount of debt.....	955	628	764	424	726	470	560	54
7	Value of land and buildings.....dollars..	4,715,788	12,406,955	4,789,151	12,010,716	7,850,321	11,107,168	3,771,590	150,980
8	Amount of mortgage debt.....dollars..	1,306,257	3,360,783	1,192,196	2,726,397	2,061,590	2,630,569	833,365	35,075
9	Ratio of debt to value.....per cent..	27.7	27.1	24.0	22.7	26.3	23.7	22.1	23.2
10	Average rate of interest paid.....per cent..	6.3	5.0	6.5	5.7	5.7	6.2	6.5	6.0
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
11	Labor:								
12	Farms reporting.....number..	753	1,371	500	1,399	1,340	1,548	596	69
13	Total expenditure.....dollars..	205,063	740,613	115,004	805,015	510,042	1,347,739	154,267	9,154
14	Amount in cash.....dollars..	160,212	534,167	92,223	621,235	356,680	943,682	113,643	6,686
15	Value of rent and board furnished.....dollars..	44,851	206,446	22,781	184,680	153,362	404,057	40,624	2,468
16	Fertilizer:								
17	Farms reporting.....number..	11	41	3	29	10	31	12	1
18	Amount expended.....dollars..	943	10,212	178	6,764	3,396	12,988	2,396	39
19	Feed:								
20	Farms reporting.....number..	1,357	1,383	1,072	846	1,091	939	655	107
21	Amount expended.....dollars..	249,004	251,901	171,707	222,514	141,417	269,806	83,282	15,980
MORTGAGE DEBT REPORTS: 1920.									
1	For all farms operated by owners:								
2	Number free from mortgage debt.....	477	876	450	868	527	922	701	1,164
3	Number with mortgage debt.....	475	740	481	1,056	847	935	883	798
4	Number with no mortgage report.....	93	139	64	95	82	173	117	121
5	For farms consisting of owned land only:								
6	Number of farms reporting amount of debt.....	369	602	419	893	731	790	740	637
7	Value of land and buildings.....dollars..	2,254,770	10,024,905	8,719,680	11,377,120	23,681,854	17,393,021	17,503,885	12,367,285
8	Amount of mortgage debt.....dollars..	576,649	3,022,603	2,851,281	3,267,020	6,257,913	5,116,292	4,921,182	3,770,932
9	Ratio of debt to value.....per cent..	25.6	30.2	32.7	28.7	26.4	29.4	28.1	30.5
10	Average rate of interest paid.....per cent..	6.0	5.7	5.7	6.0	5.6	5.5	5.5	5.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
11	Labor:								
12	Farms reporting.....number..	590	1,704	972	1,652	1,670	2,174	1,820	2,585
13	Total expenditure.....dollars..	165,545	800,848	428,906	551,953	762,051	965,778	742,498	1,497,914
14	Amount in cash.....dollars..	127,722	597,881	311,937	412,290	562,359	702,973	516,830	1,086,171
15	Value of rent and board furnished.....dollars..	37,823	202,967	117,069	139,663	199,692	262,805	225,668	411,743
16	Fertilizer:								
17	Farms reporting.....number..	9	152	39	8	138	13	47	7
18	Amount expended.....dollars..	976	16,701	1,815	604	11,792	1,904	8,304	6,707
19	Feed:								
20	Farms reporting.....number..	719	1,597	756	1,280	1,354	1,257	1,509	1,978
21	Amount expended.....dollars..	109,036	534,442	206,850	177,888	471,149	301,002	280,070	407,484
MORTGAGE DEBT REPORTS: 1920.									
1	For all farms operated by owners:								
2	Number free from mortgage debt.....	477	876	450	868	527	922	701	1,164
3	Number with mortgage debt.....	475	740	481	1,056	847	935	883	798
4	Number with no mortgage report.....	93	139	64	95	82	173	117	121
5	For farms consisting of owned land only:								
6	Number of farms reporting amount of debt.....	369	602	419	893	731	790	740	637
7	Value of land and buildings.....dollars..	2,254,770	10,024,905	8,719,680	11,377,120	23,681,854	17,393,021	17,503,885	12,367,285
8	Amount of mortgage debt.....dollars..	576,649	3,022,603	2,851,281	3,267,020	6,257,913	5,116,292	4,921,182	3,770,932
9	Ratio of debt to value.....per cent..	25.6	30.2	32.7	28.7	26.4	29.4	28.1	30.5
10	Average rate of interest paid.....per cent..	6.0	5.7	5.7	6.0	5.6	5.5	5.5	5.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
11	Labor:								
12	Farms reporting.....number..	590	1,704	972	1,652	1,670	2,174	1,820	2,585
13	Total expenditure.....dollars..	165,545	800,848	428,906	551,953	762,051	965,778	742,498	1,497,914
14	Amount in cash.....dollars..	127,722	597,881	311,937	412,290	562,359	702,973	516,830	1,086,171
15	Value of rent and board furnished.....dollars..	37,823	202,967	117,069	139,663	199,692	262,805	225,668	411,743
16	Fertilizer:								
17	Farms reporting.....number..	9	152	39	8	138	13	47	7
18	Amount expended.....dollars..	976	16,701	1,815	604	11,792	1,904	8,304	6,707
19	Feed:								
20	Farms reporting.....number..	719	1,597	756	1,280	1,354	1,257	1,509	1,978
21	Amount expended.....dollars..	109,036	534,442	206,850	177,888	471,149	301,002	280,070	407,484

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

		Hennepin.	Houston.	Hubbard.	Isanti.	Itasca.	Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi-ching.
MORTGAGE DEBT REPORTS: 1920.											
1	For all farms operated by owners:										
2	Number free from mortgage debt.....	1,531	728	325	928	582	442	356	584	278	360
3	Number with mortgage debt.....	1,074	693	702	891	684	726	930	983	811	472
4	Number with no mortgage report.....	458	70	67	58	72	97	117	101	52	41
5	For farms consisting of owned land only:										
6	Number of farms reporting amount of debt...	871	602	589	786	618	518	872	802	554	415
7	Value of land and buildings.....dollars..	3,704,550	8,853,045	3,872,410	7,324,240	2,151,323	16,147,803	7,328,553	16,988,506	7,163,788	1,364,855
8	Amount of mortgage debt.....dollars..	2,695,715	2,709,457	926,717	1,063,521	504,327	3,933,976	2,422,504	4,259,161	2,187,570	360,374
9	Ratio of debt to value.....per cent..	27.8	30.6	23.9	26.8	26.2	24.4	33.1	25.1	30.5	26.4
10	Average rate of interest paid.....per cent..	5.8	5.5	6.3	6.0	6.6	5.5	6.0	5.8	6.4	7.1
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.											
11	Labor:										
12	Farms reporting.....number..	2,461	1,404	561	1,264	525	1,428	644	1,925	1,125	286
13	Total expenditure.....dollars..	1,230,739	534,052	112,632	443,950	118,662	502,657	167,019	927,247	964,062	64,842
14	Amount in cash.....dollars..	903,084	392,477	88,164	329,201	95,340	412,806	131,252	678,004	708,793	51,368
15	Value of rent and board furnished.....dollars..	327,655	141,575	24,468	114,749	23,322	149,761	35,767	249,243	225,869	13,474
16	Fertilizer:										
17	Farms reporting.....number..	385	17	10	16	24	74	4	239	4	5
18	Amount expended.....dollars..	50,027	2,289	852	2,797	707	6,458	573	19,569	971	292
19	Feed:										
20	Farms reporting.....number..	2,643	993	836	1,170	974	1,184	899	1,239	802	514
21	Amount expended.....dollars..	767,202	162,987	120,844	143,546	171,625	306,070	141,476	327,556	166,269	51,619
		Line qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyons.	McLeod.	Mahnommen.	Marshall.	Martin.	Meeker.
MORTGAGE DEBT REPORTS: 1920.											
1	For all farms operated by owners:										
2	Number free from mortgage debt.....	364	132	936	317	296	1,006	85	565	370	736
3	Number with mortgage debt.....	664	61	792	571	639	863	356	1,516	947	1,016
4	Number with no mortgage report.....	84	3	147	45	126	112	33	100	66	158
5	For farms consisting of owned land only:										
6	Number of farms reporting amount of debt...	513	58	682	468	521	765	224	1,071	782	841
7	Value of land and buildings.....dollars..	10,705,416	210,730	14,372,150	12,862,895	18,097,935	14,326,194	3,969,681	12,886,649	26,374,079	14,306,977
8	Amount of mortgage debt.....dollars..	3,707,357	47,971	3,461,329	3,340,676	4,829,375	3,060,610	985,929	3,773,098	6,653,800	4,549,377
9	Ratio of debt to value.....per cent..	22.2	22.8	24.1	26.0	26.7	25.6	24.8	29.3	25.2	31.8
10	Average rate of interest paid.....per cent..	5.9	6.7	5.4	5.8	5.7	5.3	6.9	6.3	5.4	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.											
11	Labor:										
12	Farms reporting.....number..	1,666	46	1,315	927	1,215	1,456	382	1,772	1,585	1,713
13	Total expenditure.....dollars..	815,693	12,738	552,247	344,642	652,838	594,876	195,943	1,031,117	847,919	784,717
14	Amount in cash.....dollars..	585,282	10,402	423,009	248,455	500,504	421,615	138,487	733,683	629,012	570,184
15	Value of rent and board furnished.....dollars..	230,411	2,336	129,238	96,187	152,334	173,261	57,606	245,434	218,903	214,533
16	Fertilizer:										
17	Farms reporting.....number..	18	4	120	3	16	12	21	47	22	23
18	Amount expended.....dollars..	695	91	8,141	1,055	3,436	1,822	2,569	3,213	8,622	10,204
19	Feed:										
20	Farms reporting.....number..	1,032	174	1,050	670	841	1,421	340	1,531	1,457	1,447
21	Amount expended.....dollars..	283,299	46,960	210,781	229,199	250,754	353,334	101,278	301,440	529,050	276,390
		Mille Lacs.	Morrison.	Mower.	Murray.	Nicollet.	Nobles.	Norman.	Olmsted.	Otter Tail.	Pennington.
MORTGAGE DEBT REPORTS: 1920.											
1	For all farms operated by owners:										
2	Number free from mortgage debt.....	528	1,076	591	315	542	249	525	678	2,615	305
3	Number with mortgage debt.....	1,100	1,498	680	684	360	589	705	825	2,470	679
4	Number with no mortgage report.....	63	148	114	41	68	89	91	79	350	55
5	For farms consisting of owned land only:										
6	Number of farms reporting amount of debt...	1,017	1,324	552	449	360	417	464	697	2,412	494
7	Value of land and buildings.....dollars..	8,380,734	12,617,650	14,262,142	15,258,253	8,168,814	16,354,715	6,955,310	15,513,109	27,280,935	4,816,615
8	Amount of mortgage debt.....dollars..	2,461,729	3,638,833	4,049,909	3,889,912	2,151,301	4,567,064	1,847,077	5,206,701	7,867,436	1,476,005
9	Ratio of debt to value.....per cent..	29.4	28.4	28.4	25.3	26.3	27.9	26.6	33.6	28.5	30.6
10	Average rate of interest paid.....per cent..	6.2	6.0	5.5	5.6	5.5	5.4	6.2	5.7	6.1	6.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.											
11	Labor:										
12	Farms reporting.....number..	745	1,439	1,319	1,206	1,062	1,436	1,580	1,525	4,490	778
13	Total expenditure.....dollars..	179,947	401,658	535,328	577,752	528,994	731,659	867,918	903,913	1,452,662	222,848
14	Amount in cash.....dollars..	138,551	296,027	391,383	426,164	369,141	629,259	601,400	677,820	1,045,519	173,029
15	Value of rent and board furnished.....dollars..	41,396	105,631	143,945	151,588	159,853	202,400	266,518	226,093	407,143	49,819
16	Fertilizer:										
17	Farms reporting.....number..	12	11	100	13	19	12	23	68	35	7
18	Amount expended.....dollars..	353	1,750	8,459	2,877	1,843	1,245	9,855	17,109	4,207	233
19	Feed:										
20	Farms reporting.....number..	1,264	1,442	1,082	1,095	933	1,137	894	980	3,687	688
21	Amount expended.....dollars..	191,847	170,885	294,882	322,621	230,544	509,238	153,089	354,964	548,940	141,767

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

	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake.	Redwood.	Renville.	Rice.	Rock.
MORTGAGE DEBT REPORTS: 1920.										
1 For all farms operated by owners:										
2 Number free from mortgage debt.....	971	98	1,085	474	513	164	582	734	910	137
3 Number with mortgage debt.....	1,723	376	1,721	658	213	452	786	908	885	362
4 Number with no mortgage report.....	147	57	246	126	41	89	118	201	111	29
5 For farms consisting of owned land only:										
6 Number of farms reporting amount of debt.....	1,566	263	1,079	514	192	273	630	768	786	281
7 Value of land and buildings.....dollars..	10,868,896	10,407,805	16,533,720	8,844,819	1,955,350	3,382,089	20,418,080	19,510,254	13,197,448	13,619,020
8 Amount of mortgage debt.....dollars..	3,075,211	3,016,319	4,551,135	2,363,390	824,380	922,715	4,877,281	4,940,323	4,117,161	3,609,316
9 Ratio of debt to value.....per cent..	28.3	29.0	27.5	26.7	26.8	27.3	23.9	25.3	31.2	26.5
10 Average rate of interest paid.....per cent..	6.2	5.4	6.2	5.9	5.9	6.3	5.7	5.6	5.6	5.1
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.										
11 Labor:										
12 Farms reporting.....number..	1,083	907	3,497	1,404	391	513	1,573	1,984	1,469	1,119
13 Total expenditure.....dollars..	275,164	429,014	1,947,317	536,715	365,940	137,796	647,618	951,111	610,960	804,239
14 Amount in cash.....dollars..	191,956	319,395	1,450,140	395,507	276,203	103,201	467,190	681,042	482,939	689,494
15 Value of rent and board furnished.....dollars..	83,208	109,619	497,177	141,208	89,737	34,595	180,419	270,069	128,021	204,745
16 Fertilizer:										
17 Farms reporting.....number..	30	14	54	13	124	7	14	52	35	21
18 Amount expended.....dollars..	2,771	3,193	5,486	12,151	18,566	1,248	6,351	7,145	5,266	5,983
19 Feed:										
20 Farms reporting.....number..	1,897	795	2,283	732	708	550	1,243	1,546	1,233	927
21 Amount expended.....dollars..	260,006	272,553	471,452	116,934	372,010	98,609	495,728	534,607	270,149	448,955
	Roseau.	St. Louis.	Scott.	Sherburne.	Sibley.	Stearns.	Steele.	Stevens.	Swift.	Todd.
MORTGAGE DEBT REPORTS: 1920.										
1 For all farms operated by owners:										
2 Number free from mortgage debt.....	500	2,091	684	444	784	1,592	666	311	367	1,115
3 Number with mortgage debt.....	1,088	1,749	523	604	882	1,818	695	270	675	1,598
4 Number with no mortgage report.....	96	229	125	79	81	357	34	28	92	173
5 For farms consisting of owned land only:										
6 Number of farms reporting amount of debt.....	875	1,644	462	505	598	1,622	618	202	475	1,386
7 Value of land and buildings.....dollars..	5,601,363	5,708,174	7,770,475	5,457,733	12,333,808	25,043,330	11,491,948	5,968,455	11,970,144	14,346,706
8 Amount of mortgage debt.....dollars..	1,524,332	1,333,701	2,195,024	1,453,296	3,280,877	7,500,049	3,512,218	1,350,103	2,753,809	4,318,564
9 Ratio of debt to value.....per cent..	27.2	23.4	28.2	26.6	25.6	30.3	30.6	22.6	23.0	30.1
10 Average rate of interest paid.....per cent..	6.8	6.3	5.4	6.0	5.3	5.9	5.4	5.9	6.1	5.9
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.										
11 Labor:										
12 Farms reporting.....number..	932	1,618	1,127	510	1,565	2,816	1,249	943	1,420	1,585
13 Total expenditure.....dollars..	216,192	645,367	475,908	138,901	767,574	1,084,670	566,087	391,708	679,138	413,335
14 Amount in cash.....dollars..	172,417	473,617	337,332	111,454	521,483	746,062	413,008	300,044	504,305	287,458
15 Value of rent and board furnished.....dollars..	43,775	171,750	138,576	27,447	246,091	338,608	153,079	91,664	174,833	125,877
16 Fertilizer:										
17 Farms reporting.....number..	11	87	13	13	31	21	21	7	4	17
18 Amount expended.....dollars..	630	13,145	4,725	1,269	5,682	4,101	4,581	968	4,150	4,912
19 Feed:										
20 Farms reporting.....number..	1,114	2,830	1,067	719	1,231	2,408	1,117	564	865	2,033
21 Amount expended.....dollars..	160,401	634,988	226,912	152,413	224,510	445,726	201,359	188,627	198,580	351,131
	Traverse.	Wabasha.	Wadena.	Waseca.	Washing- ton.	Watson- wan.	Willin.	Winona.	Wright.	Yellow Medicine.
MORTGAGE DEBT REPORTS: 1920.										
1 For all farms operated by owners:										
2 Number free from mortgage debt.....	176	545	323	558	843	295	178	793	1,535	406
3 Number with mortgage debt.....	223	632	703	545	598	511	418	735	1,029	769
4 Number with no mortgage report.....	52	96	92	42	117	47	43	76	127	149
5 For farms consisting of owned land only:										
6 Number of farms reporting amount of debt.....	221	524	586	459	503	385	214	649	1,400	600
7 Value of land and buildings.....dollars..	6,789,685	10,516,190	5,280,090	10,005,330	6,183,436	10,588,060	5,981,245	11,657,000	20,204,638	17,162,814
8 Amount of mortgage debt.....dollars..	1,632,501	3,546,878	1,450,805	2,888,111	1,817,397	2,738,088	1,640,377	4,201,106	6,191,130	4,336,663
9 Ratio of debt to value.....per cent..	24.0	33.7	27.5	28.9	29.4	25.9	27.5	36.0	30.6	25.3
10 Average rate of interest paid.....per cent..	6.1	5.6	6.1	5.5	5.3	5.5	6.1	5.6	5.8	5.9
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.										
11 Labor:										
12 Farms reporting.....number..	876	1,438	553	1,148	1,424	976	987	1,564	2,406	1,610
13 Total expenditure.....dollars..	530,440	783,232	119,335	459,932	715,270	487,769	610,382	909,148	843,840	763,073
14 Amount in cash.....dollars..	395,674	602,713	90,170	359,766	499,966	347,046	471,062	621,008	575,497	644,651
15 Value of rent and board furnished.....dollars..	134,766	180,519	29,166	100,226	215,304	140,723	138,720	288,140	268,343	218,422
16 Fertilizer:										
17 Farms reporting.....number..	24	86	14	9	59	16	3	43	20	18
18 Amount expended.....dollars..	2,433	10,086	1,246	447	7,617	2,699	644	7,900	2,807	2,052
19 Feed:										
20 Farms reporting.....number..	579	997	956	856	1,298	882	761	988	2,349	1,167
21 Amount expended.....dollars..	199,396	209,671	201,513	141,044	332,441	248,384	168,563	197,200	536,093	403,426

DRAINAGE—MINNESOTA.

INTRODUCTION.

The following pages present the statistics of drainage for Minnesota 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 include considerable areas of timber and other unimproved land not yet

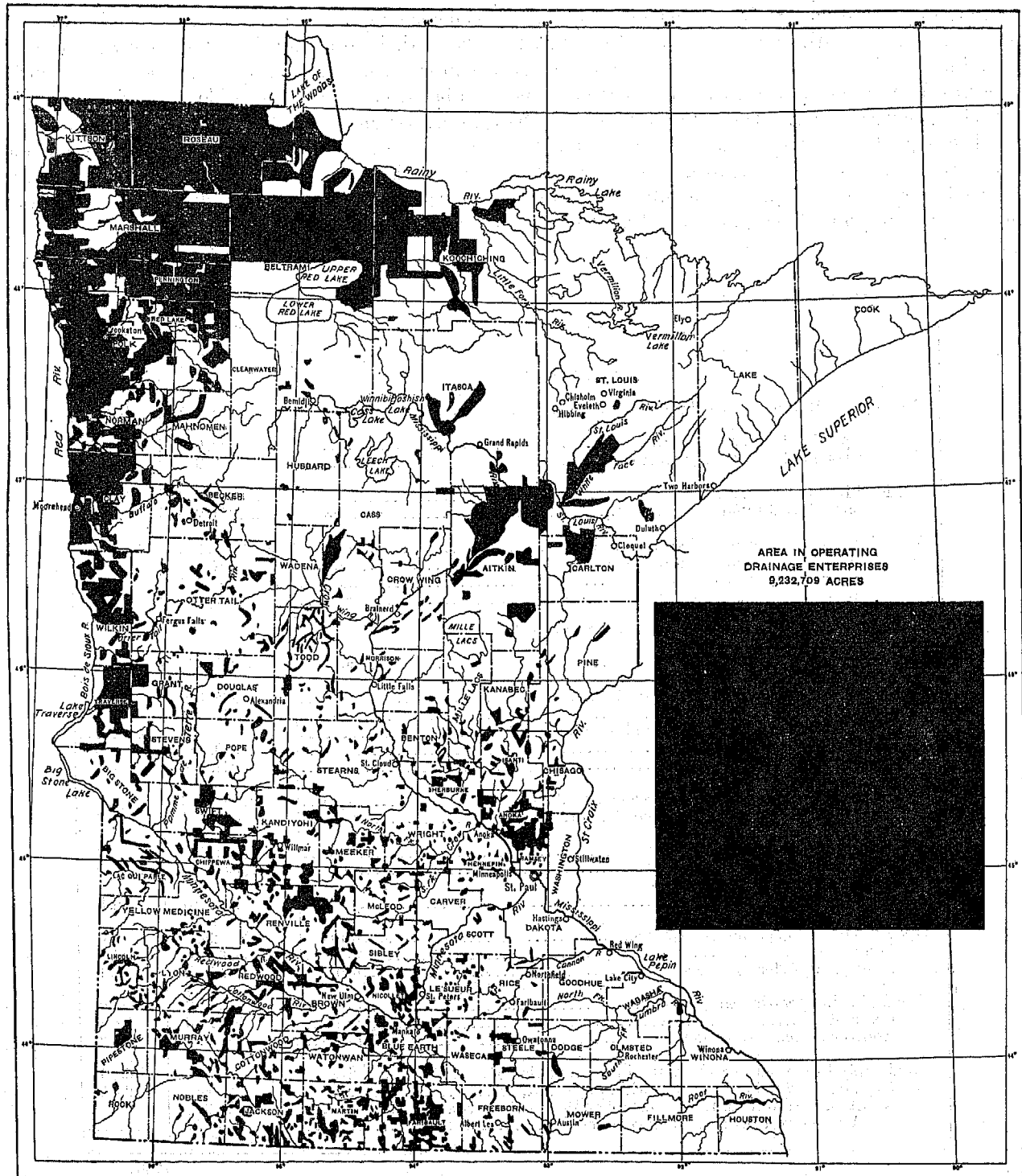
in farms. The statistics for drainage on farms were collected in the general census of agriculture, while the statistics for drainage enterprises were obtained in a special canvass of those enterprises. Since drainage on farms may be either inside or outside an organized enterprise and the drains that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

TABLE 1.—SUMMARY FOR THE STATE: 1920.

ITEM.	Amount.	Per cent of total.
DRAINAGE ON FARMS.		
Number of all farms in the state.....	178, 478	100. 0
Farms reporting land having drainage.....	53, 011	29. 7
Farms reporting land needing drainage.....	73, 905	41. 4
All land in farms..... acres..	30, 221, 758	100. 0
Improved land in farms..... acres..	21, 481, 710	71. 1
Farm land reported as provided with drainage..... acres..	2, 993, 034	9. 9
Farm land reported as needing drainage..... acres..	3, 504, 574	11. 6
Needing drainage only..... acres..	1, 801, 457	6. 0
Needing drainage and clearing..... acres..	1, 703, 117	5. 6
DRAINAGE ENTERPRISES.		
Approximate land area of the state..... acres..	51, 749, 120	100. 0
All land in operating drainage enterprises..... acres..	9, 232, 709	17. 8
Improved land..... acres..	3, 818, 490	7. 4
Per cent of all improved land in farms.....	17. 8	.....
Timber and cut-over land..... acres..	1, 370, 023	2. 6
Other unimproved land..... acres..	4, 044, 196	7. 8
Swampy, subject to overflow, seeped, or alkali..... acres..	1, 193, 136	2. 3
Suffering a loss of crops from defective drainage..... acres..	471, 094	0. 9
Improved land prior to drainage..... acres..	1, 722, 875	3. 3
Increase since drainage began..... acres..	2, 095, 615	4. 0
Land in nonoperating enterprises..... acres..	130, 235	0. 3
Open ditches in operating enterprises..... miles..	14, 823. 1	100. 0
Completed..... miles..	14, 657. 0	98. 9
Additional under construction..... miles..	166. 1	1. 1
Tile drains in operating enterprises..... miles..	6, 387. 3	100. 0
Completed..... miles..	5, 924. 6	92. 8
Additional under construction..... miles..	462. 7	7. 2
Total capital invested in and required for completion of operating enterprises ..	\$44, 183, 838	100. 0
Capital invested in these enterprises to Dec. 31, 1919.....	42, 017, 447	95. 1
Additional capital required to complete these enterprises.....	2, 166, 391	4. 9
Average cost per acre when completed.....	4. 79	.....

MINNESOTA

APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES.



DRAINAGE ON FARMS.

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

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

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

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

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

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

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

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

DRAINAGE ENTERPRISES.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Operating and nonoperating enterprises.—In most of the tables that follow, statistics are given for operating enterprises only. These enterprises, as already defined, include both those which have completed their drainage works and those with such works under construction; among the latter might be any that had completed the original plan of reclamation or improvement some years ago but were constructing extensions or enlargements on January 1, 1920. The nonoperating enterprises have a legal existence, though they have not yet accomplished any drainage. They may include enterprises that on the census date had completed their plans, sold bonds to cover the cost of the undertakings, and let contracts for the construction work, and also others for which the orders of establishment had just been issued and which 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.....	9,362,944	100.0	\$42,089,304	100.0	\$5,095,002	
Operating enterprises.....	9,232,709	98.6	42,017,447	99.8	2,166,891	
With works completed.....	8,552,900	91.3	36,764,850	87.3	.....
With works under construction.....	679,809	7.3	5,252,597	12.5	2,166,891	
Nonoperating enterprises.....	130,235	1.4	71,857	0.2	2,928,611	

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

Location of enterprises.—The drainage enterprises in Minnesota are spread rather generally over the state. The largest enterprises are located in the northwestern part; those in the central and southern sections are greater in number and of smaller average size. There is less land in drainage enterprises in the north central part than in the other sections mentioned; and there is very little in the northeastern part and in the southeastern corner, as shown by the map on page 110.

Nearly three-fourths of the area in the enterprises is drained through Red River and Lake of the Woods, and finally into Hudson Bay, as is shown by Table 3; almost one-fourth is drained through the Mississippi and its tributaries to the Gulf of Mexico; less than 4 per cent is drained, by way of Lake Superior, to St. Lawrence River. For enterprises in the Mississippi drainage basin, however, the capital invested is nearly two-thirds of the total.

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.....	9,362,944	100.0	\$42,089,304	100.0	\$5,095,002	
Operating enterprises.....	9,232,709	98.6	42,017,447	99.8	2,166,891	
Big Sioux River.....	22,937	0.2	455,460	1.1	73,338	
Missouri River.....	24,946	0.3	655,542	1.6	.....
Des Moines River.....	121,067	1.3	3,105,037	7.4	294,219	
Cedar River.....	15,905	0.2	223,549	0.5	52,500	
St. Croix River.....	140,154	1.5	665,007	1.6	.....
Minnesota River.....	815,340	8.7	10,042,810	23.8	1,188,591	
Mississippi River.....	1,020,106	10.9	5,580,657	13.3	125,643	
Red River.....	5,857,452	57.5	11,110,573	26.4	239,900	
Lake of the Woods.....	1,368,366	14.6	2,927,292	7.0	187,200	
Lake Superior.....	316,406	3.4	1,251,514	3.0	5,000	
Nonoperating enterprises.....	130,235	1.4	71,857	0.2	2,928,611	
Big Sioux River.....	989	(¹)	.....	(¹)	40,475	
Cedar River.....	1,609	(¹)	2,316	(¹)	85,000	
Minnesota River.....	80,211	0.9	62,637	0.1	2,395,968	
Mississippi River.....	2,781	(¹)	4,420	(¹)	163,702	
Red River.....	15,812	0.2	2,484	(¹)	79,700	
Lake Superior.....	28,313	0.3	.....	.....	157,766	

¹ Less than one-tenth of 1 per cent.

Condition of land in enterprises.—Approximately 83 per cent of the drainage enterprises in the state, embracing about 76 per cent of the area of all those enterprises, were reported as organized for the purpose of reclaiming or improving land swampy or generally too wet for profitable cultivation, while practically all the other enterprises were reported as established to prevent overflow of the land by stream floods.

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	9,232,709	100.0	8,552,900	679,809	130,235
Improved land	3,818,490	41.4	3,701,524	116,966	34,494
Timber and cut-over land	1,370,023	14.8	1,103,858	266,165	7,158
Other unimproved land	4,044,196	43.8	3,747,518	296,678	88,583
Swampy or subject to overflow	1,193,136	12.9	1,022,667	170,471	78,922
Suffering a loss of crops	471,004	5.1	464,469	6,625	981

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

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 2,340 operating drainage enterprises are counted in Minnesota, with an average area of 4,263 acres assessed. There are 858 enterprises of less than 500 acres each, and 24 of 50,000 acres or larger.

The assessed acreage exceeds the land in enterprises by 741,953 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 acreage, deduction was made for the amount of overlapping with enterprises organized previously, to determine the acreage to be tabulated as land in enterprises.

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.....	9,232,709	9,974,662	100.0
Less than 200 acres.....	35,877	36,177	0.4
200 to 499 acres.....	183,974	191,751	1.9
500 to 999 acres.....	303,215	307,812	3.1
1,000 to 4,999 acres.....	1,335,447	1,385,737	13.9
5,000 to 9,999 acres.....	1,155,678	1,250,804	12.5
10,000 to 49,999 acres.....	4,150,542	4,630,974	46.4
50,000 to 99,999 acres.....	848,414	944,845	9.5
100,000 to 499,999 acres.....	1,214,562	1,228,562	12.3

Character of enterprises.—Most of the drainage enterprises in Minnesota are county ditches established by orders of the boards of county commissioners, or judicial ditches established by orders of the district courts of the state. The term ditch is defined to include drains of tile and other drainage works. There are also some ditches constructed by or under the control of the state.

County ditches and judicial ditches are generally similar in method of establishment; if proceedings are before the county board the enterprise is a county ditch, and if before the district court the enterprise is a judicial ditch. The county board now has jurisdiction only when the ditch is to benefit land wholly within the county. The district court has concurrent jurisdiction for ditches in one county, and exclusive jurisdiction for ditches in two or more counties within the district. For a ditch in more than one judicial district, proceedings may be in either district.

The law governing county and judicial ditches is the act of April 18, 1905 (ch. 230), as found in chapter 44 of the General Statutes of Minnesota, 1913, and amended to date. A petition for establishment must be filed with the county auditor if for a county ditch, or with the clerk of the district court if for a judicial ditch. It must be signed by eight owners of land to be benefited by the ditch, or by 25 per cent of all the owners of that land, or by the supervisor of any township or the officers of any city or village, or by the authorized agent of any public institution, corporation, or railroad whose land will be benefited, or by the state board of control. Plans and estimates for drainage are made by an engineer appointed by the county board or by the judge of the court, and damages and benefits are assessed by three viewers appointed by the same authority. The order of establishment is issued by the board or the judge after a public hearing upon the petition, the plans, and the assessments, if the enterprise will be of public utility and if the benefits will exceed the cost. Appeals may be taken regarding damages and benefits, to the district court regarding county ditches and to jury trial regarding judicial ditches. The division of the cost among the counties, for a judicial ditch, is made by the judge of the court. Contracts for construction are let by the county auditor, or the county auditors in the case of a judicial ditch, with the chairman of the county board and the clerk of court of the county in which the proceedings are pending. The cost is apportioned in each county by the county auditor according to the benefits confirmed. Bonds for drainage may be issued by the county board, to run not more than 20 years.

The establishment and control of ditches for land drainage by the county commissioners first was authorized in 1883 (ch. 108). A petition for establishment was required from one or more owners of land to be benefited; damages and benefits were assessed by viewers appointed by the commissioners; ditches in two or more counties were established by joint action of the commissioners of those counties. A similar statute of 1887 (ch. 97) contained the additional provision that county bonds might be issued for drainage. A preliminary investigation by an engineer was required before the viewers were appointed, by the drainage law of 1901 (ch. 258), which repealed the earlier laws. Establishment of judicial ditches by the district courts, in case the ditches were to be located in more than one county, was provided by the act of 1905 (ch. 230), which superseded the law of 1901. Judicial ditches wholly within one county were

authorized in 1907 (ch. 448), and this provision continues in the act of 1909 (ch. 469) which repealed that of 1907 and amended that of 1905. Originally, the law of 1905 required 6 signers to the petition. The acts of 1907 and 1909 required only one, but that of 1917 (ch. 441) has increased the number to eight or one-fourth of all affected, except that only two are needed if all the drains will be of tile and will connect with a public ditch.

State ditches now are established in accordance with an act of April 25, 1919 (ch. 471), in much the same manner as judicial ditches. This statute creates a Department of Drainage and Waters, and abolishes the state Drainage Commission created by act of April 26, 1907 (ch. 470), consisting of the governor, the state auditor, and the secretary of state. The method of procedure is very similar to that prescribed by the earlier law. A petition for establishment, accompanied by plans and estimates for the work, is submitted by the commissioner of drainage and waters to the district court of the county in which all or a part of the ditch will be located. Assessments of damages and benefits are made by viewers, two appointed by the court and one by the commissioner. After public hearing, the court may establish the ditch. Construction and maintenance of the works are under control of the Department, the cost being borne by state, private, and other land in proportion to the benefits.

State ditches to be made at state expense were authorized in 1893, when \$100,000 was appropriated for improving watercourses in certain counties in the Red River Valley. The amount was increased by \$50,000 two years later. A board of state drainage commissioners to be appointed by the governor was authorized in 1897, to have control of all state drainage ditches, and to report their condition to the county commissioners who were charged with the maintenance of those ditches within their respective counties. A state Drainage Commission was created in 1901 (ch. 90) with authority to construct ditches.

Town ditches may be established by the town boards of supervisors, under authority of an act of March 29, 1909 (ch. 127), as amended. A petition must be signed by one or more persons or corporations owning land that probably will be benefited. The supervisors view the land and assess damages and benefits, or they appoint an engineer and viewers. Contracts for construction are let by the town board. The costs are advanced by the petitioners, who are reimbursed from tax levies made by the town board according to the benefits.

Drainage and flood control districts may be established under an act of April 23, 1917 (ch. 442), and drainage and conservancy districts under an act of September 22, 1919 (ch. 13, extra session), but no such districts were reported. Each act provides for

establishment of the enterprises as corporate bodies by the district courts, upon petition, and vests the executive authority in a board of three or five directors appointed by the court.

The first drainage law of Minnesota was enacted August 3, 1858 (ch. 73), providing that persons might associate together for draining land and enjoy corporate rights. An act of March 1, 1866 (ch. 27), provided for securing drainage across the land of an objecting owner, by application to a justice of the peace and determination by jury of the necessity for the drain and of benefits and damages to accrue. The establishment of public drains by the town supervisors was authorized by acts of 1887 (ch. 99) and 1889 (ch. 168). A great many other laws have been enacted relating to drainage, but those noted show the character of the enterprises reported.

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

CHARACTER OF ENTERPRISE.	LAND.		CAPITAL.		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All organized enterprises..	9,302,944	100.0	\$42,039,304	100.0	\$5,005,002
Operating enterprises.....	9,232,709	98.6	42,017,447	99.8	2,180,391
County ditches.....	4,384,341	46.8	22,213,139	52.8	766,565
Laws of 1889, ch. 108.....	5,965	0.1	28,183	0.1	.....
Laws of 1887, ch. 97.....	466,900	5.0	744,052	1.8	.....
Laws of 1901, ch. 258.....	670,307	7.3	1,882,225	4.4	.....
Laws of 1905, ch. 230.....	3,229,092	34.4	19,291,661	45.8	766,565
Laws of 1907, ch. 448.....	4,532	(²)	154,895	0.4	.....
Laws of 1917, ch. 441.....	4,545	(²)	131,222	0.3	.....
Judicial ditches.....	4,030,424	43.0	18,701,396	44.4	1,390,826
Laws of 1883, ch. 108.....	113,240	1.2	165,385	0.4	.....
Laws of 1887, ch. 97.....	14,916	0.2	24,794	0.1	.....
Laws of 1901, ch. 258.....	148,025	1.6	552,795	1.3	35,329
Laws of 1905, ch. 230.....	3,662,517	39.1	17,480,550	41.5	1,384,497
Laws of 1907, ch. 448.....	91,117	1.0	497,866	1.2	.....
State ditches.....	817,944	8.7	1,102,912	2.6	.....
Laws of 1893, ch. 221.....	30,063	0.3	40,932	0.1	.....
Laws of 1901, ch. 90.....	30,066	0.3	26,287	0.1	.....
Laws of 1907, ch. 470.....	757,835	8.1	1,035,643	2.5	.....
Nonoperating enterprises.....	130,235	1.4	71,857	0.2	2,928,611
County ditches.....	72,566	0.8	53,829	0.1	1,871,564
Laws of 1905, ch. 230.....	70,952	0.8	52,472	0.1	1,794,377
Laws of 1917, ch. 441.....	1,614	(²)	1,387	(²)	77,187
Judicial ditches.....	57,669	0.6	18,028	(²)	1,057,047
Laws of 1905, ch. 230.....	57,669	0.6	18,028	(²)	1,057,047

¹ Includes 800 acres under individual ownership.

² Less than one-tenth of 1 per cent.

³ Includes 423 acres organized as a town ditch.

Drainage works.—The total works completed by the drainage enterprises to December 31, 1919, comprised 14,657.0 miles of open ditches, 5,924.6 miles of tile drains, and 0.1 mile of accessory levees; the additional lengths under construction were 166.1 miles of ditches, 462.7 miles of tile drains, and 0.3 mile of levees. 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 is no pumping district for land drainage among the enterprises in Minnesota.

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.....	9,232,709	100.0	\$42,017,447	100.0	\$2,160,391
Open ditches only.....	8,440,107	91.4	22,753,503	54.2	485,420
Tile drains only.....	271,118	2.9	7,193,827	17.1	197,721
Open ditches and tile drains ¹	521,424	5.6	12,070,057	28.7	1,483,244

¹Includes 4,642 acres constructing also 0.4 mile of levee.

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

In County Table II, line 16 shows the mean depth of branch ditches, 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 less than 3 feet and those 10 feet and greater were omitted as it seemed they did not represent so well the average depths of outlet provided for all the farms in those districts; to include these groups, computed as 3 feet and 10 feet, respectively, would show the mean depth for the state 4.8 instead of 4.9 feet.

TABLE 8.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY AVERAGE DEPTH OF BRANCH DITCHES: 1920.

DEPTH OF BRANCH DITCHES.	Acreage.	Per cent of total.
All operating enterprises.....	9,232,709	100.0
Less than 3 feet.....	373,377	4.0
3.0 to 3.9 feet.....	941,190	10.2
4.0 to 4.9 feet.....	1,234,445	13.4
5.0 to 5.9 feet.....	2,080,744	22.6
6.0 to 6.9 feet.....	1,427,882	15.5
7.0 to 7.9 feet.....	327,146	3.5
8.0 to 8.9 feet.....	57,034	0.6
9.0 to 9.9 feet.....	3,296	(¹)
10 feet and more.....	77,929	0.8
Not reporting branches.....	2,703,657	29.3

¹ Less than one-tenth of 1 per cent.

Maintenance of works.—The county board of each county is required to keep in proper repair and free from obstruction, after original construction has been completed, all public drainage ditches or parts of such ditches located within the county, according to an act

of April 24, 1915 (ch. 300). The cost is to be paid from the funds to the credit of the ditch so repaired, or, in case those funds are not sufficient, by assessments against the land assessed for original construction of the ditch and in proportion to the original assessment of benefits. The cost of maintenance for any state ditch is to be apportioned according to benefits specially assessed by viewers appointed by the county board, against the land benefited by the construction of the ditch and of any lateral or spur ditch. If the cost of the repairs for any ditch exceeds 25 per cent of the cost of original construction, bonds may be issued. It was provided in 1917 (ch. 441) that in all counties where county and judicial ditches have been constructed costing in the aggregate \$50,000 or more, the county board shall appoint a county ditch inspector who shall examine all those ditches at least twice each season and report to the board what repairs or improvements are needed.

The maintenance of county and judicial ditches by the county boards was required by the original act of 1905 (ch. 230). An act of 1909 (ch. 207) provided that the Department of Drainage and Waters might repair or improve state ditches, and might require that any part of the cost be paid by the county, town, or individuals to be benefited by the work.

TABLE 9.—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.....	9,232,709	100.0	\$42,017,447	100.0	\$2,160,391
By district forces.....	303,107	3.3	4,154,450	9.9	229,500
By contract.....	678,139	7.3	8,585,995	20.4	490,000
By method not specified.....	4,740	0.1	60,712	0.1	.....
No maintenance provided.....	8,003,874	86.7	28,471,873	67.8	1,430,885
Not reported.....	237,843	2.6	744,417	1.8	10,000

Date of organization.—The progress of development in drainage is shown only roughly by the dates of the organization of the enterprises, which are the dates when the ditches were established by the county boards or district courts, since there may be a period of a year or more between the order of establishment and the beginning of actual construction, and since the work of construction may occupy several years in a large enterprise. 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 any extensions made after the original plan of drainage was completed.

TABLE 10.—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.....	9,232,709	100.0	9,974,602	100.0
1880 to 1889.....	11,626	0.1	11,626	0.1
1890 to 1899.....	319,941	3.5	323,131	3.2
1900 to 1904.....	883,427	9.6	971,117	9.7
1905 to 1909.....	2,370,214	25.7	2,551,295	25.6
1910 to 1914.....	3,807,415	41.9	4,012,870	40.2
1915 to 1919.....	1,765,875	19.1	2,090,412	21.0
Not reported.....	14,211	0.2	14,211	0.1

TABLE 11.—CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	CAPITAL.		
	To Dec. 31, 1919.		Additional required to complete.
	Amount.	Per cent of total.	
All operating enterprises.....	\$42,017,447	100.0	\$2,186,391
1880 to 1889.....	89,643	0.2	.....
1890 to 1899.....	481,097	1.1	.....
1900 to 1904.....	1,673,222	4.0	.....
1905 to 1909.....	7,525,768	17.9	17,408
1910 to 1914.....	13,421,995	31.9	198,200
1915 to 1919.....	18,747,547	44.6	1,948,218
Not reported.....	79,175	0.2	2,565

TABLE 12.—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.....	14,823.1	100.0	6,387.3	100.0	0.4	100.0
1880 to 1889.....	48.9	0.3	.....	.....	.....	.....
1890 to 1899.....	483.1	3.3	15.7	0.2	.....	.....
1900 to 1904.....	1,459.1	9.8	16.0	0.3	.....	.....
1905 to 1909.....	4,382.8	29.6	606.4	9.5	.....	.....
1910 to 1914.....	4,625.5	31.2	1,780.9	27.6	.....	.....
1915 to 1919.....	3,790.1	25.6	3,976.5	62.3	0.4	100.0
Not reported.....	24.6	0.2	11.8	0.2	.....	.....

Crops.—The principal crops grown upon the drained land in the drainage enterprises are wheat, hay, and corn. 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.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.	Brown.
1 Number of all farms in the state or county.....	178,478	1,945	1,589	2,631	3,065	1,561	1,026	2,954	1,976
2 Farms reporting land having drainage.....	53,011	287	513	589	721	451	191	1,836	884
3 Farms reporting land needing drainage.....	73,905	1,054	576	1,551	1,470	682	316	1,984	1,083
4 Farms in drainage and levee districts.....	16,421	168	265	103	708	37	35	441	368
LAND AND FARM AREA.									
5 Approximate land area of the state or county.....acres..	51,749,120	1,171,200	293,760	863,360	2,446,080	259,200	314,240	487,680	391,680
6 All land in farms.....acres..	30,221,758	231,221	213,900	454,338	459,487	219,888	287,527	440,386	369,113
7 Improved land in farms.....acres..	21,481,710	61,804	121,603	250,946	89,821	126,949	251,992	355,374	290,808
8 Woodland in farms.....acres..	4,482,656	95,445	59,698	140,413	228,348	51,984	5,086	33,001	19,100
9 Other unimproved land in farms.....acres..	4,257,392	73,012	32,689	62,979	141,318	40,955	30,440	52,011	59,205
10 Farm land reported as provided with drainage.....acres..	2,993,034	13,341	22,124	14,100	58,377	17,529	11,723	99,629	38,078
11 Farm land reported as needing drainage.....acres..	3,504,574	77,588	26,332	84,349	156,097	36,701	13,576	69,818	39,385
12 Drainage only.....acres..	1,801,457	14,241	7,241	19,161	17,627	4,072	12,838	59,204	37,308
13 Drainage and clearing.....acres..	1,703,117	63,347	19,091	65,188	138,470	32,629	738	10,614	2,077
	Carlton.	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Clearwater.	Cottonwood.	Crow Wing.
1 Number of all farms in the county.....	1,917	2,009	1,579	1,624	2,236	1,948	1,263	1,801	1,281
2 Farms reporting land having drainage.....	95	1,283	182	646	692	345	84	1,134	130
3 Farms reporting land needing drainage.....	702	999	603	658	888	580	256	862	776
4 Farms in drainage and levee districts.....	47	157	73	283	176	125	111	224	79
LAND AND FARM AREA.									
5 Approximate land area of the county.....acres..	554,880	240,640	1,346,560	378,240	273,280	667,520	652,160	409,600	676,480
6 All land in farms.....acres..	185,199	218,382	240,733	365,036	243,819	580,717	203,168	380,043	190,100
7 Improved land in farms.....acres..	54,854	138,654	74,537	317,263	125,788	505,336	65,648	344,590	68,435
8 Woodland in farms.....acres..	70,501	41,490	101,143	7,329	83,185	24,366	97,991	6,613	77,812
9 Other unimproved land in farms.....acres..	59,844	38,298	65,053	30,444	34,846	61,015	39,529	23,840	44,353
10 Farm land reported as provided with drainage.....acres..	2,400	28,651	8,091	32,275	15,432	35,220	2,397	84,453	4,622
11 Farm land reported as needing drainage.....acres..	36,678	28,526	50,826	32,120	30,205	21,934	16,418	41,837	59,940
12 Drainage only.....acres..	1,763	12,895	4,886	31,312	7,238	11,862	8,617	40,961	2,785
13 Drainage and clearing.....acres..	33,910	15,930	45,940	808	22,967	10,072	7,801	876	57,155

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

		Dakota.	Dodge.	Douglas.	Fair- bault.	Fill- more.	Free- born.	Good- hue.	Grant.	Henne- pin.	Hub- bard.
1	Number of all farms in the county.....	2,378	1,630	2,505	2,358	3,177	2,574	3,128	1,317	3,954	1,252
2	Farms reporting land having drainage.....	153	203	1,020	1,867	58	1,026	70	503	1,035	61
3	Farms reporting land needing drainage.....	412	403	1,458	1,458	160	2,050	515	659	1,522	414
4	Farms in drainage and levee districts.....	27	39	222	852	1	292	11	65	158	23
LAND AND FARM AREA.											
5	Approximate land area of the county..... acres..	333,360	281,600	414,720	460,160	555,520	470,400	490,880	353,920	361,600	613,120
6	All land in farms..... acres..	324,708	247,027	372,860	430,461	506,850	413,988	457,795	319,290	271,762	191,996
7	Improved land in farms..... acres..	258,581	209,445	242,629	301,478	376,279	315,445	347,792	284,049	186,755	80,323
8	Woodland in farms..... acres..	36,347	13,464	64,409	18,541	85,324	20,563	49,359	6,542	51,823	79,434
9	Other unimproved land in farms..... acres..	29,780	24,118	65,831	50,442	45,247	77,980	60,444	28,699	33,184	32,239
10	Farm land reported as provided with drainage..... acres..	3,554	10,909	22,290	176,974	3,676	77,697	1,453	16,897	15,540	2,265
11	Farm land reported as needing drainage..... acres..	19,315	13,841	47,839	80,969	4,761	97,435	10,661	16,097	33,003	31,891
12	Drainage only..... acres..	11,573	11,238	18,466	81,188	3,465	80,176	4,638	14,567	8,178	1,633
13	Drainage and clearing..... acres..	7,742	2,603	29,373	5,781	1,296	17,259	6,023	1,530	24,825	30,258
		Isanti.	Itasca.	Jackson.	Kanabec.	Kandi- yohi.	Kittson.	Koochi- ching.	Lac qui Parle.	Le Sueur.	
1	Number of all farms in the county.....	2,212	1,436	2,218	1,568	2,432	1,400	944	2,006	2,269	
2	Farms reporting land having drainage.....	600	71	1,467	355	902	177	143	783	851	
3	Farms reporting land needing drainage.....	1,003	733	1,234	444	1,609	427	647	930	1,131	
4	Farms in drainage and levee districts.....	242	56	700	132	444	70	104	183	56	
LAND AND FARM AREA.											
5	Approximate land area of the county..... acres..	282,880	1,747,200	440,280	341,760	512,040	711,040	2,010,240	505,600	298,240	
6	All land in farms..... acres..	256,010	1,68,976	424,792	182,311	464,941	442,030	152,507	464,784	264,814	
7	Improved land in farms..... acres..	138,810	33,637	372,670	67,535	360,306	342,087	22,450	419,986	178,913	
8	Woodland in farms..... acres..	70,083	106,916	9,710	80,008	23,707	43,814	93,231	8,794	35,225	
9	Other unimproved land in farms..... acres..	47,117	28,423	42,412	34,778	30,928	57,038	36,826	36,004	50,676	
10	Farm land reported as provided with drainage..... acres..	12,032	2,408	110,293	9,252	29,730	55,413	4,850	27,897	23,966	
11	Farm land reported as needing drainage..... acres..	30,169	62,768	77,482	16,642	67,963	32,400	70,919	27,051	31,637	
12	Drainage only..... acres..	10,671	4,000	67,152	2,915	55,612	2,497	1,586	26,717	13,184	
13	Drainage and clearing..... acres..	19,498	58,768	10,330	13,727	12,351	29,903	69,333	334	18,453	
		Lincoln.	Lyon.	McLeod.	Mahno- men.	Marshall.	Martin.	Meeker.	Mille Lacs.	Morris- son.	Mower.
1	Number of all farms in the county.....	1,468	1,810	2,447	590	2,697	2,435	2,460	1,898	3,095	2,364
2	Farms reporting land having drainage.....	567	934	1,538	92	902	2,025	760	357	850	496
3	Farms reporting land needing drainage.....	633	811	1,590	413	877	1,504	1,029	720	820	657
4	Farms in drainage and levee districts.....	77	242	137	18	553	933	79	104	102	16
LAND AND FARM AREA.											
5	Approximate land area of the county..... acres..	342,400	453,120	317,440	366,080	1,144,320	460,160	207,440	373,120	731,520	455,040
6	All land in farms..... acres..	305,315	409,218	299,131	133,499	734,432	437,329	264,960	178,550	440,013	404,092
7	Improved land in farms..... acres..	270,732	358,200	259,905	82,218	523,383	372,380	280,664	79,548	228,139	354,636
8	Woodland in farms..... acres..	4,417	8,452	19,085	23,347	81,635	9,889	28,601	70,223	137,888	16,486
9	Other unimproved land in farms..... acres..	30,166	42,560	27,440	27,934	129,414	55,560	55,695	28,779	74,486	32,970
10	Farm land reported as provided with drainage..... acres..	21,105	64,173	47,434	4,711	109,896	187,232	20,937	10,882	11,409	23,353
11	Farm land reported as needing drainage..... acres..	21,425	40,083	40,726	27,554	89,984	82,842	40,398	33,483	41,545	20,995
12	Drainage only..... acres..	20,847	45,876	29,856	9,316	28,570	78,109	24,978	3,025	7,794	22,187
13	Drainage and clearing..... acres..	578	807	10,870	18,238	61,414	4,733	15,425	30,463	33,761	4,508
		Murray.	Nicollet.	Nobles.	Norman.	Olm- sted.	Otter Tail.	Penn- ington.	Pine.	Pipe- stone.	Folk.
1	Number of all farms in the county.....	1,876	1,497	2,018	1,940	2,287	6,627	1,221	3,088	1,187	4,200
2	Farms reporting land having drainage.....	1,175	718	1,029	591	100	1,928	443	447	164	1,196
3	Farms reporting land needing drainage.....	1,104	896	831	370	392	3,119	351	1,418	199	1,412
4	Farms in drainage and levee districts.....	377	124	208	292	12	415	403	80	40	713
LAND AND FARM AREA.											
5	Approximate land area of the county..... acres..	450,580	283,520	462,080	550,400	426,240	1,304,860	388,480	904,320	300,160	1,266,560
6	All land in farms..... acres..	415,872	267,521	437,608	489,358	376,221	1,095,739	284,688	333,413	276,371	1,099,155
7	Improved land in farms..... acres..	384,616	212,407	402,236	401,179	303,723	883,406	194,473	121,901	248,105	842,208
8	Woodland in farms..... acres..	4,000	21,740	7,051	33,340	39,453	279,118	39,158	93,746	1,887	112,040
9	Other unimproved land in farms..... acres..	27,556	33,374	27,421	54,839	33,045	139,215	51,057	117,771	26,379	114,907
10	Farm land reported as provided with drainage..... acres..	86,583	37,274	70,900	122,092	2,208	44,840	76,900	10,533	7,763	184,731
11	Farm land reported as needing drainage..... acres..	45,397	36,694	41,054	16,958	9,940	119,323	40,504	62,068	8,122	85,350
12	Drainage only..... acres..	43,482	31,291	37,108	6,412	5,700	35,754	20,629	5,412	7,421	38,284
13	Drainage and clearing..... acres..	1,915	6,403	3,946	10,546	4,240	83,509	26,175	50,656	701	52,066

DRAINAGE—MINNESOTA.

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

		Pope.	Ramsey.	Red Lake.	Redwood.	Renville.	Rice.	Rock.	Roseau.	St. Louis.
1	Number of all farms in the county.....	1,802	983	907	2,548	3,049	2,416	1,307	1,854	4,271
2	Farms reporting land having drainage.....	452	30	115	1,390	1,403	487	315	500	823
3	Farms reporting land needing drainage.....	819	67	277	1,577	1,516	932	454	557	1,900
4	Farms in drainage and levee districts.....	52	13	102	487	237	94	12	442	100
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	443,520	103,040	276,480	563,840	625,920	316,800	314,880	1,068,800	4,161,920
6	All land in farms.....acres..	381,123	52,498	224,729	525,074	585,156	297,038	292,804	416,294	402,351
7	Improved land in farms.....acres..	283,254	36,195	159,556	449,906	511,771	217,241	267,541	212,214	93,471
8	Woodland in farms.....acres..	16,280	9,761	43,101	10,581	23,912	22,041	5,194	90,517	210,620
9	Other unimproved land in farms.....acres..	76,614	6,542	22,042	64,587	49,473	57,756	20,069	113,563	98,260
10	Farm land reported as provided with drainage.....acres..	10,234	700	19,035	76,060	68,484	10,281	16,151	90,446	17,545
11	Farm land reported as needing drainage.....acres..	22,066	3,591	34,036	79,427	72,501	24,554	20,511	61,262	103,550
12	Drainage only.....acres..	19,359	1,312	10,626	73,946	71,117	14,277	19,661	12,523	10,218
13	Drainage and clearing.....acres..	3,607	2,279	23,410	5,481	1,384	10,277	850	48,739	93,341
		Scott.	Sherburne.	Sibley.	Stearns.	Steele.	Stevens.	Swift.	Todd.	Traverse.
1	Number of all farms in the county.....	1,628	1,400	2,111	4,598	1,800	1,163	1,781	3,521	1,035
2	Farms reporting land having drainage.....	459	294	953	953	956	444	518	715	156
3	Farms reporting land needing drainage.....	710	503	1,208	1,363	1,328	536	832	856	130
4	Farms in drainage and levee districts.....	55	192	301	191	157	120	333	335	116
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	234,240	286,720	374,400	871,080	275,840	360,960	474,240	612,480	363,520
6	All land in farms.....acres..	210,218	224,920	355,809	730,899	259,215	316,008	447,789	474,951	321,002
7	Improved land in farms.....acres..	120,194	127,894	273,705	499,223	213,245	279,283	391,029	243,393	300,530
8	Woodland in farms.....acres..	38,740	56,401	27,870	162,081	12,611	3,419	7,855	135,567	5,120
9	Other unimproved land in farms.....acres..	51,284	40,634	54,234	119,595	33,359	33,306	48,905	95,991	15,352
10	Farm land reported as provided with drainage.....acres..	8,770	10,705	35,410	31,881	35,471	33,285	33,838	22,421	16,843
11	Farm land reported as needing drainage.....acres..	23,103	23,980	49,548	54,917	43,032	24,233	41,039	30,371	7,608
12	Drainage only.....acres..	8,321	5,512	42,733	32,292	35,917	19,533	33,014	7,512	7,253
13	Drainage and clearing.....acres..	14,787	18,468	6,815	22,625	7,715	4,700	3,025	22,859	325
		Wadena.	Waseca.	Washington.	Watson.	Wilkin.	Winona.	Wright.	Yellow Medicine.	All other counties. ¹
1	Number of all farms in the county.....	1,326	1,606	2,014	1,402	1,163	2,150	3,637	2,109	4,158
2	Farms reporting land having drainage.....	318	1,006	155	1,001	178	13	1,406	589	21
3	Farms reporting land needing drainage.....	619	1,179	482	947	64	47	1,622	1,077	480
4	Farms in drainage and levee districts.....	133	123	34	151	167	2	100	155	13
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	344,320	275,840	254,080	277,760	476,800	407,680	442,240	479,360	3,013,120
6	All land in farms.....acres..	206,503	248,191	221,953	250,566	402,139	373,215	403,305	458,050	690,487
7	Improved land in farms.....acres..	102,323	193,270	156,859	225,999	389,687	233,241	260,300	388,729	406,229
8	Woodland in farms.....acres..	69,640	13,543	40,414	4,606	2,671	111,730	71,876	11,924	205,911
9	Other unimproved land in farms.....acres..	34,540	41,378	24,680	28,961	9,781	28,244	71,129	57,397	84,347
10	Farm land reported as provided with drainage.....acres..	14,416	39,312	3,650	83,867	28,109	509	24,007	23,263	493
11	Farm land reported as needing drainage.....acres..	41,749	49,566	13,250	54,838	4,985	1,387	46,776	40,607	13,076
12	Drainage only.....acres..	4,654	37,582	5,504	53,139	4,573	673	14,358	39,655	650
13	Drainage and clearing.....acres..	37,095	11,984	7,746	1,609	412	604	32,418	952	12,426

¹ No drainage on farms reported in Wabasha County.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920.

		THE STATE.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.
LAND AREA.									
1	Approximate land area of the state or county.....	acres.. 51,749,120	1,171,200	293,700	863,380	2,446,080	259,200	814,240	487,680
2	All land in operating drainage enterprises.....	acres.. 9,232,709	419,690	68,891	17,235	1,211,754	7,979	10,111	54,548
3	Improved land.....	acres.. 3,818,490	136,058	26,459	8,412	1,37,604	4,310	5,918	49,638
4	Per cent of all improved land in farms.....	17.8	58.3	21.8	3.4	41.9	3.4	2.3	14.0
5	Timber and cut-over land.....	acres.. 1,370,023	115,255	1,384	200	574,444	316	.....	.....
6	Other unimproved land.....	acres.. 4,044,196	268,367	41,048	8,623	599,706	3,353	4,193	4,910
7	Swampy or subject to overflow, in enterprises.....	acres.. 1,193,136	31,557	7,950	6,042	17,818	153	589	.....
8	Suffering a loss of crops from defective drainage.....	acres.. 471,094	25,157	7,839	1,196	35,653	.....	1,371	.....
9	Assessed acreage.....	9,974,662	419,680	68,891	17,701	1,211,754	7,979	10,111	54,548
10	Excess over all land in operating enterprises.....	acres.. 741,953	.....	.....	466	.....	.....	.....	.....
DRAINAGE WORKS.									
11	Open ditches:								
12	Completed.....	miles.. 14,657.0	530.0	303.4	104.8	1,635.5	62.3	34.4	93.0
13	Additional under construction.....	miles.. 166.1	.....	.....	.....	82.0	0.7	.....	2.0
14	Maximum completed in any enterprise.....	miles.. 216.0	80.0	23.0	27.4	216.0	11.0	8.1	20.0
15	Maximum width at bottom of ditch ²	feet.. 72	20	15	12	35	12	8	16
16	Maximum of average depths of outlet ditches ²	feet.. 24.0	8.0	8.0	10.0	8.0	5.0	6.0	9.0
17	Mean depth of branch ditches ²	feet.. 4.9	5.6	3.5	4.2	5.0	3.3	.....	4.5
18	Tile drains:								
19	Completed.....	miles.. 5,924.6	.....	5.7	0.1	.....	.....	42.7	243.0
20	Additional under construction.....	miles.. 462.7	.....	.....	.....	.....	.....	.....	6.0
21	Maximum completed in any enterprise.....	miles.. 153.0	.....	2.0	0.1	.....	.....	13.5	16.0
22	Maximum size of tile ²	inches.. 48	.....	36	36	.....	.....	36	42
23	Accessory levees and dikes:								
24	Completed.....	miles.. 0.1	.....	.....	.....	.....	.....	.....	.....
25	Additional under construction.....	miles.. 0.3	.....	.....	.....	.....	.....	.....	.....
26	Area drained by open ditches only ²	acres.. 8,440,167	419,690	68,891	16,545	1,211,754	7,979	5,528	0,847
27	Length of these ditches.....	miles.. 13,432.0	530.0	278.6	99.3	1,667.5	63.0	27.4	69.0
28	Average length per acre.....	feet.. 8.4	6.7	23.0	31.7	7.3	41.7	26.2	37.0
29	Area drained by tile only ²	acres.. 271,118	.....	896	.....	.....	.....	2,902	34,192
30	Length of these tile.....	miles.. 2,816.1	.....	2.0	.....	.....	.....	31.6	209.0
31	Average length per acre.....	feet.. 54.8	.....	26.7	.....	.....	.....	57.5	32.3
32	Area drained by open ditches and tile ²	acres.. 8,711,285	419,690	69,787	16,545	1,211,754	7,979	5,528	0,847
33	Length of these drains.....	miles.. 4,962.3	.....	23.5	5.0	.....	.....	18.1	66.0
34	Average length per acre.....	feet.. 50.2	.....	32.0	42.0	.....	.....	56.9	33.2
DEVELOPMENT OF LAND.									
35	Improved land in operating enterprises, 1920.....	acres.. 3,818,490	136,058	26,459	8,412	1,37,604	4,310	5,918	49,638
36	Improved land prior to drainage.....	acres.. 1,722,875	49,079	9,997	2,273	.....	1,134	2,923	3,273
37	Increase since drainage.....	acres.. 2,095,615	26,979	17,862	6,139	37,604	3,176	2,995	46,365
38	Per cent of increase ³	121.0	297.2	100.9	270.1	.....	280.1	102.5	.....
39	Per cent increase is of all improved land in farms, 1920.....	9.8	43.6	14.3	2.4	41.9	2.5	1.2	18.0
40	Timber and cut-over land, 1920.....	acres.. 1,370,023	115,255	1,384	200	574,444	316	.....	.....
41	Timber and cut-over land prior to drainage.....	acres.. 1,473,820	117,450	1,656	214	681,444	922	.....	.....
42	Decrease since drainage.....	acres.. 103,797	2,234	272	14	7,000	636	.....	.....
43	Per cent of decrease.....	7.0	1.9	16.4	6.5	1.2	66.8	.....	.....
44	Other unimproved land, 1920.....	acres.. 4,044,196	268,367	41,048	8,623	599,706	3,353	4,193	4,910
45	Other unimproved land prior to drainage.....	acres.. 6,036,014	293,112	58,138	14,743	630,310	5,893	7,188	51,275
46	Decrease since drainage.....	acres.. 1,991,818	24,745	17,090	6,125	30,604	2,540	2,995	46,365
47	Per cent of decrease.....	33.0	8.4	29.4	41.5	4.0	43.1	41.7	90.4
48	Swampy or subject to overflow, 1920.....	acres.. 1,193,136	31,557	7,950	6,042	17,818	153	589	.....
49	Swampy or subject to overflow prior to drainage.....	acres.. 4,634,641	183,468	37,123	16,603	154,889	4,116	5,702	43,043
50	Decrease since drainage.....	acres.. 3,441,505	139,011	29,169	10,561	137,071	3,963	5,113	43,043
51	Per cent of decrease.....	74.3	81.3	78.6	63.6	88.5	96.3	89.7	100.0
CAPITAL INVESTED AND COST PER ACRE.									
52	Total capital invested in and required for completion of operating enterprises.....	dollars.. 44,183,838	966,046	315,585	162,025	3,106,371	64,753	204,470	964,858
53	Capital invested in these enterprises to Dec. 31, 1919.....	dollars.. 42,017,447	966,046	315,585	162,025	2,994,371	63,127	204,470	953,768
54	Additional capital required to complete these enterprises.....	dollars.. 2,166,391	.....	.....	.....	112,000	1,626	.....	11,090
55	Average cost per acre when completed.....	dollars.. 4.79	2.30	4.58	9.40	2.56	8.12	20.22	17.69
56	Enterprises constructing open ditches only.....	dollars.. 23,238,989	966,046	231,607	154,334	3,106,371	64,753	89,325	55,766
57	Average cost per acre when completed.....	dollars.. 2.75	2.30	3.63	9.33	2.56	8.12	15.62	5.66
58	Enterprises constructing tile drains only.....	dollars.. 7,301,548	.....	8,837	.....	.....	.....	62,885	657,744
59	Average cost per acre when completed.....	dollars.. 27.26	.....	22.32	.....	.....	.....	21.67	19.24
60	Enterprises constructing open ditches and tile drains.....	dollars.. 13,553,301	.....	75,141	7,691	.....	.....	55,260	251,348
61	Average cost per acre when completed.....	dollars.. 25.99	.....	16.20	11.15	.....	.....	32.87	25.92
CROPS.									
62	Improved land in enterprises reporting—								
63	Wheat as principal crop on drained land.....	acres.. 1,774,205	.....	215	5,435	.....	.....	5,918	.....
64	Hay as principal crop on drained land.....	acres.. 940,935	36,058	24,654	2,977	37,604	3,910	.....	7,804
65	Corn as principal crop on drained land.....	acres.. 927,801	.....	1,045	.....	.....	400	.....	41,834
66	Oats as principal crop on drained land.....	acres.. 7,168,239	.....	245	.....	.....	.....	.....	.....
67	Potatoes as principal crop on drained land.....	acres.. 5,039	.....	299	.....	.....	.....	.....	.....
68	Flax as principal crop on drained land.....	acres.. 2,184	.....	.....	.....	.....	.....	.....	.....
69	Not reporting principal crop on drained land.....	acres.. 1,187	.....	.....	.....	.....	.....	.....	.....

¹ Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.² When works under construction have been completed.³ Includes 4,642 acres constructing also 0.4 mile of levee.⁴ The reported figures have been reduced in proportion to the reduction made in improved land, 1920.⁵ Per cent not shown when more than 1,000.⁶ Includes cost of 0.4 mile of levee.⁷ Includes 4,892 acres reporting barley as principal crop.⁸ Includes 499 acres reporting sugar beets as principal crop.

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

		Brown.	Carlton.	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Cotton-wood.	Crow Wing.
LAND AREA.										
1	Approximate land area of the county.....acres..	391,680	554,880	240,640	1,346,560	378,240	273,280	607,520	409,000	670,488
2	All land in operating drainage enterprises.....acres..	27,538	42,500	6,282	71,871	50,782	17,368	379,075	33,524	24,402
3	Improved land.....acres..	15,310	6,326	3,140	14,137	39,329	8,782	248,830	20,121	12,551
4	Per cent of all improved land in farms.....	5.3	11.5	2.3	19.0	12.4	7.0	49.2	7.6	18.3
5	Timber and cut-over land.....acres..	33	5,381	99	23,900	—	3,054	4,092	—	2,789
6	Other unimproved land.....acres..	12,195	30,793	3,043	33,834	11,453	5,532	127,053	7,403	9,062
7	Swampy or subject to overflow, in enterprises.....acres..	3,961	9,520	1,637	—	1,072	1,238	76,878	3,892	328
8	Suffering a loss of crops from defective drainage.....acres..	7,394	—	281	—	2,507	1,167	14,275	525	—
9	Assessed acreage.....	27,538	42,500	6,282	71,871	50,782	17,368	379,075	33,524	24,402
10	Excess over all land in operating enterprises.....acres..	—	—	—	—	—	—	—	—	—
DRAINAGE WORKS.										
Open ditches:										
11	Completed.....miles..	137.9	54.0	52.8	166.0	175.6	74.5	244.5	11.0	105.0
12	Additional under construction.....miles..	—	—	2.3	—	—	—	—	—	—
13	Maximum completed in any enterprise.....miles..	10.7	37.0	11.6	30.0	42.6	8.0	21.6	5.0	20.0
14	Maximum width at bottom of ditch ¹.....feet..	12	20	20	12	20	10	20	8	12
15	Maximum of average depths of outlet ditches ¹.....feet..	10.0	8.0	5.0	7.0	10.0	8.0	8.5	8.6	7.0
16	Mean depth of branch ditches ¹.....feet..	4.3	5.8	3.1	5.0	3.1	4.0	4.1	4.9	3.6
Tile drains:										
17	Completed.....miles..	184.5	—	8.7	—	149.7	—	1.0	319.4	—
18	Additional under construction.....miles..	43.8	—	1.7	—	—	—	—	28.6	—
19	Maximum completed in any enterprise.....miles..	42.7	—	3.7	—	59.4	—	1.0	33.8	—
20	Maximum size of tile ¹.....inches..	36	—	24	—	30	—	18	48	—
Accessory levees and dikes:										
21	Completed.....miles..	—	—	—	—	—	—	—	—	—
22	Additional under construction.....miles..	0.3	—	—	—	—	—	—	—	—
23	Area drained by open ditches only ¹.....acres..	9,894	42,500	5,242	71,871	12,365	17,368	376,020	1,093	24,402
24	Length of these ditches.....miles..	98.6	54.0	47.3	166.0	90.2	74.5	236.7	5.0	105.0
25	Average length per acre.....feet..	52.6	6.7	47.6	12.2	38.5	22.6	3.3	24.2	22.7
26	Area drained by tile only ¹.....acres..	6,336	—	156	—	23,527	—	—	15,078	—
27	Length of these tile.....miles..	113.2	—	3.1	—	113.9	—	—	191.8	—
28	Average length per acre.....feet..	94.3	—	104.9	—	25.6	—	—	87.2	—
29	Area drained by open ditches and tile ¹.....acres..	11,308	—	884	—	14,890	—	3,955	17,353	—
30	Length of these drains.....miles..	154.4	—	15.1	—	121.2	—	8.8	162.2	—
31	Average length per acre.....feet..	72.1	—	90.2	—	43.0	—	11.7	49.4	—
DEVELOPMENT OF LAND.										
32	Improved land in operating enterprises, 1920.....acres..	15,310	6,326	3,140	14,137	39,329	8,782	248,830	20,121	12,551
33	Improved land prior to drainage.....acres..	8,910	3,949	614	—	23,576	2,669	121,358	10,114	4,059
34	Increase since drainage.....acres..	6,400	2,377	2,526	14,137	15,753	6,213	127,472	16,007	8,492
35	Per cent of increase.....	71.8	60.2	411.4	—	66.8	241.8	105.0	158.3	209.2
36	Per cent increase is of all improved land in farms, 1920.....	2.2	4.3	1.8	19.0	5.0	4.0	25.2	4.6	12.4
37	Timber and cut-over land, 1920.....acres..	33	5,381	99	23,900	—	3,054	4,092	—	2,789
38	Timber and cut-over land prior to drainage.....acres..	33	5,633	170	24,572	—	3,054	4,598	—	4,255
39	Decrease since drainage.....acres..	—	252	71	672	—	—	416	—	1,466
40	Per cent of decrease.....	—	4.5	41.8	2.7	—	—	9.2	—	34.5
41	Other unimproved land, 1920.....acres..	12,195	30,793	3,043	33,834	11,453	5,532	127,053	7,403	9,062
42	Other unimproved land prior to drainage.....acres..	18,505	32,918	5,498	47,299	27,206	11,745	254,109	23,410	16,088
43	Decrease since drainage.....acres..	6,400	2,125	2,455	13,465	15,753	6,213	127,056	16,007	7,026
44	Per cent of decrease.....	34.4	6.5	44.7	28.5	57.9	52.0	50.0	68.4	43.7
45	Swampy or subject to overflow, 1920.....acres..	3,961	9,520	1,637	—	1,072	1,238	76,878	3,892	328
46	Swampy or subject to overflow prior to drainage.....acres..	10,555	26,568	6,253	63,317	16,571	8,906	168,989	13,299	11,246
47	Decrease since drainage.....acres..	6,594	17,048	4,616	63,317	14,899	7,668	92,111	9,407	10,918
48	Per cent of decrease.....	62.5	64.2	73.8	100.0	89.9	86.1	54.5	70.7	97.1
CAPITAL INVESTED AND COST PER ACRE.										
49	Total capital invested in and required for completion of operating enterprises.....dollars..	692,574	135,012	130,079	268,696	1,036,955	94,962	712,787	932,231	93,973
50	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	560,195	125,012	117,579	268,696	1,036,955	94,962	712,787	844,801	93,973
51	Additional capital required to complete these enterprises.....dollars..	132,379	—	18,500	—	—	—	—	107,430	—
52	Average cost per acre when completed.....dollars..	25.15	3.18	21.66	3.74	20.42	5.47	1.88	28.40	3.85
53	Enterprises constructing open ditches only.....dollars..	111,204	135,012	85,337	268,696	83,635	94,962	698,212	16,329	93,973
54	Average cost per acre when completed.....dollars..	11.24	3.18	16.28	3.74	6.76	5.47	1.86	14.94	3.85
55	Enterprises constructing tile drains only.....dollars..	230,319	—	16,831	—	510,630	—	—	395,732	—
56	Average cost per acre when completed.....dollars..	37.30	—	107.89	—	21.70	—	—	26.25	—
57	Enterprises constructing open ditches and tile drains.....dollars..	345,051	—	33,911	—	442,690	—	14,575	540,170	—
58	Average cost per acre when completed.....dollars..	30.51	—	38.36	—	29.73	—	3.60	31.13	—
CROPS.										
Improved land in enterprises reporting—										
59	Wheat as principal crop on drained land.....acres..	—	—	—	—	39,329	—	29,067	—	—
60	Hay as principal crop on drained land.....acres..	297	6,326	423	14,137	—	8,782	90,548	—	8,399
61	Corn as principal crop on drained land.....acres..	15,013	—	2,717	—	—	—	—	20,121	4,152
62	Oats as principal crop on drained land.....acres..	—	—	—	—	—	—	—	—	—
63	Potatoes as principal crop on drained land.....acres..	—	—	—	—	—	—	—	—	—
64	Flax as principal crop on drained land.....acres..	—	—	—	—	—	—	—	—	—
65	Not reporting principal crop on drained land.....acres..	—	—	—	—	—	—	—	—	—

¹ When works under construction have been completed.

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

		Dodge.	Douglas.	Faribault.	Freeborn.	Grant.	Henne- pin.	Hubbard.	Isanti.	Itasca.
LAND AREA.										
1	Approximate land area of the county.....acres..	281,600	414,720	460,160	470,400	353,920	361,600	613,120	282,880	1,747,200
2	All land in operating drainage enterprises.....acres..	13,902	30,677	118,685	19,084	60,365	13,375	14,302	19,168	99,527
3	Improved land.....acres..	7,028	16,752	101,504	11,403	60,365	8,030	3,305	9,615	99,527
4	Per cent of all improved land in farms.....	3.4	6.9	28.1	3.8	21.3	4.3	4.1	6.9	34,051
5	Timber and cut-over land.....acres..	6,874	13,925	17,181	7,445	236	1,292	5,173	4,937	34,051
6	Other unimproved land.....acres..	6,874	13,925	17,181	7,445	236	4,053	5,824	4,616	65,476
7	Swampy or subject to overflow, in enterprises.....acres..			15,959	4,914		2,629	3,560	1,031	
8	Suffering a loss of crops from defective drainage.....acres..			7,166	511		2,532			
9	Assessed acreage.....	13,902	30,677	118,685	19,084	60,365	13,375	14,302	19,168	99,527
10	Excess over all land in operating enterprises.....acres..									
DRAINAGE WORKS.										
11	Open ditches:									
12	Completed.....miles.....	37.0	132.6	129.5	95.4	62.6	94.9	31.0	111.5	97.0
13	Additional under construction.....miles.....						1.3			
14	Maximum completed in any enterprise.....miles.....	33.0	28.9	27.9	12.0	10.6	7.8	7.0	11.0	36.0
15	Maximum width at bottom of ditch.....feet.....	10	16	40	25	18	30	16	18	8
16	Maximum of average depths of outlet ditches.....feet.....	5.0	14.0	9.7	12.0	9.0	5.0	5.0	9.0	8.0
17	Mean depth of branch ditches.....feet.....	4.0	3.8	7.5	6.0	4.4	3.4	3.4	4.7	6.8
18	Tile drains:									
19	Completed.....miles.....	10.0	11.5	616.0	17.9	53.5	0.4			
20	Additional under construction.....miles.....			23.8	11.3		0.2			
21	Maximum completed in any enterprise.....miles.....	10.0	11.1	49.1	10.1	16.2	0.2			
22	Maximum size of tile.....inches.....	36	24	36	34	32	24			
23	Accessory levees and dikes:									
24	Completed.....miles.....									
25	Additional under construction.....miles.....									
26	Area drained by open ditches only.....acres.....	770	29,371	14,339	14,209	50,079	13,097	14,302	19,168	99,527
27	Length of these ditches.....miles.....	4.0	122.2	32.3	74.6	56.2	39.9	31.0	111.5	97.0
28	Average length per acre.....feet.....	27.4	22.0	11.9	27.7	5.9	36.2	11.4	30.7	5.1
29	Area drained by tile only.....acres.....			36,040		9,819				
30	Length of these tile.....miles.....			244.3		52.7				
31	Average length per acre.....feet.....			35.2		28.3				
32	Area drained by open ditches and tile.....acres.....	13,132	1,306	67,700	4,875	407	278			
33	Length of these drains.....miles.....	43.0	21.9	402.7	50.0	7.2	6.9			
34	Average length per acre.....feet.....	17.3	88.5	38.4	54.2	81.4	131.1			
DEVELOPMENT OF LAND.										
35	Improved land in operating enterprises, 1920.....acres.....	7,028	16,752	101,504	11,403	60,365	8,030	3,305	9,615	
36	Improved land prior to drainage.....acres.....	1,970	10,771	63,042	3,232	45,869	6,096		3,330	
37	Increase since drainage.....acres.....	5,058	5,981	38,462	8,171	14,496	1,934	3,305	6,285	
38	Per cent of increase.....	256.8	55.5	61.0	252.8	31.6	31.7		188.7	
39	Per cent increase is of all improved land in farms, 1920.....	2.4	2.5	10.6	2.6	5.1	1.0	4.1	4.5	
40	Timber and cut-over land, 1920.....acres.....				236		1,292	5,173	4,937	34,051
41	Timber and cut-over land prior to drainage.....acres.....				358		1,623	6,897	6,270	34,051
42	Decrease since drainage.....acres.....				122		331	1,724	1,333	
43	Per cent of decrease.....				34.1		20.4	25.0	21.3	
44	Other unimproved land, 1920.....acres.....	6,874	13,925	17,181	7,445		4,053	5,824	4,616	65,476
45	Other unimproved land prior to drainage.....acres.....	11,932	19,906	55,943	15,494	14,496	5,656	7,405	9,568	65,476
46	Decrease since drainage.....acres.....	5,058	5,981	38,462	8,049	14,496	1,603	1,581	4,052	
47	Per cent of decrease.....	42.4	30.0	69.1	51.9	100.0	28.3	21.4	51.8	
48	Swampy or subject to overflow, 1920.....acres.....			15,959	4,914		2,629	3,560	1,031	
49	Swampy or subject to overflow prior to drainage.....acres.....	6,409	10,509	47,111	18,954		4,036	14,302	9,746	99,527
50	Decrease since drainage.....acres.....	6,409	10,509	31,152	14,040		2,007	10,742	8,715	99,527
51	Per cent of decrease.....	100.0	100.0	66.1	74.1		43.3	75.1	80.4	100.0
CAPITAL INVESTED AND COST PER ACRE.										
52	Total capital invested in and required for completion of operating enterprises.....dollars.....	55,900	197,536	2,317,116	313,283	534,823	237,777	30,887	194,835	241,490
53	Capital invested in these enterprises to Dec. 31, 1919.....dollars.....	55,900	197,536	2,191,616	265,283	534,823	227,777	30,887	194,835	241,490
54	Additional capital required to complete these enterprises.....dollars.....			125,500	45,000		10,000			
55	Average cost per acre when completed.....dollars.....	4.03	6.44	19.52	16.42	9.69	17.78	2.16	10.17	2.43
56	Enterprises constructing open ditches only.....dollars.....	8,500	158,132	88,823	155,915	112,506	214,787	30,887	194,835	241,490
57	Average cost per acre when completed.....dollars.....	11.04	8.38	6.19	10.97	2.25	16.40	2.16	10.17	2.43
58	Enterprises constructing tile drains only.....dollars.....			642,854		464,166				
59	Average cost per acre when completed.....dollars.....			17.54		47.27				
60	Enterprises constructing open ditches and tile drains.....dollars.....	47,460	39,404	1,585,439	157,368	8,151	22,990			
61	Average cost per acre when completed.....dollars.....	3.61	30.17	23.42	32.28	17.45	82.70			
CROPS.										
62	Improved land in enterprises reporting—									
63	Wheat as principal crop on drained land.....acres.....	7,028	16,752	1,823	340	60,365	404			
64	Hay as principal crop on drained land.....acres.....			96,905	11,063		322	3,305	9,070	
65	Corn as principal crop on drained land.....acres.....			2,776			7,280			
66	Oats as principal crop on drained land.....acres.....						24		545	
67	Potatoes as principal crop on drained land.....acres.....									
68	Flax as principal crop on drained land.....acres.....									
69	Not reporting principal crop on drained land.....acres.....									

1 When works under construction have been completed.

DRAINAGE—MINNESOTA.

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

		Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi- ong.	Lac qui Parle.	Le Sueur.	Lincoln.	Lyon.
LAND AREA.										
1	Approximate land area of the county.....	acres.. 449,280	341,760	512,640	711,040	2,010,240	505,600	298,240	342,400	453,120
2	All land in operating drainage enterprises.....	acres.. 65,147	16,539	66,279	498,294	707,496	26,567	16,721	14,490	31,765
3	Improved land.....	acres.. 56,193	8,303	60,023	275,330	14,146	20,109	10,711	11,128	22,507
4	Per cent of all improved land in farms.....	acres.. 15.1	12.3	16.7	80.5	63.0	4.8	6.0	4.1	6.3
5	Timber and cut-over land.....	acres.. 2,713	785	889	27,756	176,875	6,458	6,010	3,362	9,258
6	Other unimproved land.....	acres.. 8,954	5,523	6,256	195,208	516,475	6,458	6,010	3,362	9,258
7	Swampy or subject to overflow, in enterprises.....	acres.. 7,897	785	889	12,773	399,119	899	2,336	2,465	5,580
8	Suffering a loss of crops from defective drainage.....	acres.. 3,895	785	889	14,740	707,496	1,496	6,987	493	925
9	Assessed acreage.....	acres.. 65,147	16,539	66,279	498,294	707,496	26,567	17,492	14,490	31,765
10	Excess over all land in operating enterprises.....	acres..					771			
DRAINAGE WORKS.										
11	Open ditches:									
12	Completed.....	miles.. 70.4	76.0	320.4	395.0	542.0	226.0	168.8	132.2	54.5
13	Additional under construction.....	miles..		3.5		25.0				1.3
14	Maximum completed in any enterprise.....	miles.. 18.0	18.0	52.0	43.6	86.0	46.4	13.5	17.0	8.6
15	Maximum width at bottom of ditch.....	feet.. 8	16	14	60	20	18	30	20	12
16	Maximum of average depths of outlet ditches.....	feet.. 9.8	7.0	12.9	10.0	7.0	12.0	6.3	8.5	8.7
17	Mean depth of branch ditches.....	feet.. 5.3	4.1	4.4	4.5	5.2	3.4	5.1	4.4	5.5
18	Tile drains:									
19	Completed.....	miles.. 652.1		70.3		111.4	0.2	62.9	303.1	
20	Additional under construction.....	miles.. 17.3		12.7				22.1	42.3	
21	Maximum completed in any enterprise.....	miles.. 56.8		21.0		17.0	0.2	12.7	19.8	
22	Maximum size of tile.....	inches.. 36		24		36	16	30	36	
23	Accessory levees and dikes:									
24	Completed.....	miles..								0.1
25	Additional under construction.....	miles..								
26	Area drained by open ditches only.....	acres..	16,539	52,602	498,294	707,496	12,553	16,430	2,489	5,588
27	Length of these ditches.....	miles.. 75.0		276.0	395.0	567.0	120.3	167.5	38.9	36.7
28	Average length per acre.....	feet.. 24.3		27.8	4.2	4.2	50.0	53.8	82.5	35.0
29	Area drained by tile only.....	acres.. 17,920		1,958			3,086		1,081	16,176
30	Length of these tile.....	miles.. 286.7		32.2			59.9		23.3	251.1
31	Average length per acre.....	feet.. 69.7		86.8			102.5		113.8	82.0
32	Area drained by open ditches and tile.....	acres.. 47,227		11,719			10,028	291	10,920	10,051
33	Length of these drains.....	miles.. 503.1		98.1			157.2	1.5	155.0	113.4
34	Average length per acre.....	feet.. 56.2		44.2			76.0	27.2	74.9	59.6
DEVELOPMENT OF LAND.										
35	Improved land in operating enterprises, 1920.....	acres.. 56,193	8,303	60,023	275,330	14,146	20,109	10,711	11,128	22,507
36	Improved land prior to drainage.....	acres.. 19,077	2,859	30,336	100,189		12,545	5,794	1,546	9,146
37	Increase since drainage.....	acres.. 37,116	5,444	29,687	115,101	14,146	7,564	4,917	9,582	13,361
38	Per cent of increase.....	acres.. 194.6	190.4	97.9	71.9		60.3	84.9	619.8	146.1
39	Per cent increase is of all improved land in farms, 1920.....	acres.. 10.0	8.1	8.2	33.7	63.0	1.8	2.7	3.5	3.7
40	Timber and cut-over land, 1920.....	acres..	2,713		27,756	176,875				
41	Timber and cut-over land prior to drainage.....	acres.. 3,093			53,707	176,875				
42	Decrease since drainage.....	acres.. 380			25,951					
43	Per cent of decrease.....	acres.. 12.3			48.3					
44	Other unimproved land, 1920.....	acres.. 8,954	5,523	6,256	195,208	516,475	6,458	6,010	3,362	9,258
45	Other unimproved land prior to drainage.....	acres.. 46,070	10,587	35,943	284,418	530,621	14,022	10,927	12,944	22,619
46	Decrease since drainage.....	acres.. 37,116	5,064	29,687	89,210	14,146	7,564	4,917	9,582	13,361
47	Per cent of decrease.....	acres.. 80.6	47.8	82.6	31.4	2.7	53.9	45.0	74.0	59.1
48	Swampy or subject to overflow, 1920.....	acres.. 7,897	785	889	12,773	399,119	899	2,336	2,465	5,580
49	Swampy or subject to overflow prior to drainage.....	acres.. 28,787	7,432	30,311	97,981	707,496	9,829	5,061	12,433	13,804
50	Decrease since drainage.....	acres.. 20,890	6,647	29,422	85,208	308,377	8,930	2,725	9,968	8,224
51	Per cent of decrease.....	acres.. 72.6	89.4	97.1	87.0	43.6	90.9	53.8	80.2	59.6
CAPITAL INVESTED AND COST PER ACRE.										
52	Total capital invested in and required for completion of operating enterprises.....	dollars.. 1,624,583	105,760	687,928	758,425	1,356,438	738,907	238,951	359,256	989,480
53	Capital invested in these enterprises to Dec. 31, 1919.....	dollars.. 1,555,157	105,760	632,583	758,425	1,281,288	738,907	238,951	348,352	870,872
54	Additional capital required to complete these enterprises.....	dollars.. 69,426		55,345		75,150			40,904	118,608
55	Average cost per acre when completed.....	dollars.. 24.94	6.39	10.38	1.52	1.92	27.81	14.29	26.86	31.15
56	Enterprises constructing open ditches only.....	dollars..	105,760	356,789	758,425	1,356,438	214,045	226,178	51,304	68,699
57	Average cost per acre when completed.....	dollars..	6.39	6.78	1.52	1.92	17.05	13.77	20.61	12.41
58	Enterprises constructing tile drains only.....	dollars.. 578,332		96,585			103,256		52,663	525,911
59	Average cost per acre when completed.....	dollars.. 32.27		49.33			33.46		48.72	32.51
60	Enterprises constructing open ditches and tile drains.....	dollars.. 1,046,231		234,554			421,606	12,773	235,289	394,870
61	Average cost per acre when completed.....	dollars.. 22.15		20.01			38.58	43.80	26.13	39.29
CROPS.										
62	Improved land in enterprises reporting—									
63	Wheat as principal crop on drained land.....	acres..		11,688	275,330					
64	Hay as principal crop on drained land.....	acres..	8,303			14,146	20	2,970		
65	Corn as principal crop on drained land.....	acres.. 56,193		48,335			20,089	7,741	9,503	22,507
66	Oats as principal crop on drained land.....	acres..								
67	Potatoes as principal crop on drained land.....	acres..								
68	Flax as principal crop on drained land.....	acres..							1,318	
69	Not reporting principal crop on drained land.....	acres..							307	

¹ Office estimate; the reported figures are 98 per cent of the improved acreage in all farms in the county as determined by the census of agriculture.

² When works under construction have been completed.

³ The reported figures have been reduced in proportion to the reduction made in improved land, 1920.

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

		McLeod.	Mahno- men.	Marshall.	Martin.	Meeker.	Mille Lacs.	Morrison.	Mower.
LAND AREA.									
1	Approximate land area of the county.....acres..	317,440	366,080	1,144,320	460,160	397,440	373,120	731,520	455,040
2	All land in operating drainage enterprises.....acres..	14,072	36,724	771,421	67,965	21,227	7,172	33,080	4,771
3	Improved land.....acres..	7,834	16,031	1,487,137	53,351	14,268	4,153	20,362	1,670
4	Per cent of all improved land in farms.....	3.1	19.5	93.1	14.3	5.1	5.2	8.9	0.5
5	Timber and cut-over land.....acres..	283	1,448	154,858	14,614	189	578	2,309	48
6	Other unimproved land.....acres..	6,005	19,245	129,426	14,614	6,770	2,441	10,409	3,053
7	Swampy or subject to overflow, in enterprises.....acres..	3,868	13,714	30,856	7,105	2,591	277	1,506	426
8	Suffering a loss of crops from defective drainage.....acres..	562	257	61,094	10,183	2,943			75
9	Assessed acreage.....	14,495	36,724	1,150,927	67,965	21,227	7,172	33,080	4,771
10	Excess over all land in operating enterprises.....acres..	423		379,506					
DRAINAGE WORKS.									
11	Open ditches:								
12	Completed.....miles..	96.6	41.1	834.5	82.7	128.6	42.0	117.2	5.1
13	Additional under construction.....miles..		53.3					0.8	
14	Maximum completed in any enterprise.....miles..	9.8	15.8	110.0	13.9	12.0	12.0	13.0	5.1
15	Maximum width at bottom of ditch.....feet..	16	12	40	14	24	8	10	16
16	Maximum of average depths of outlet ditches.....feet..	10.0	6.4	10.0	13.0	10.0	6.0	6.0	6.2
17	Mean depth of branch ditches.....feet..	4.2	4.8	4.9	7.2	4.7	3.4	3.2	
18	Tile drains:								
19	Completed.....miles..	51.3			718.8	16.9			13.5
20	Additional under construction.....miles..	1.0			16.0				0.8
21	Maximum completed in any enterprise.....miles..	12.0			51.9	6.0			7.5
22	Maximum size of tile.....inches..	24			36	24			30
23	Accessory levees and dikes:								
24	Completed.....miles..								
25	Additional under construction.....miles..								
26	Area drained by open ditches only.....acres..	8,757	30,724	771,421	2,166	19,785	7,172	33,080	
27	Length of these ditches.....miles..	70.5	94.4	834.5	18.3	127.6	42.0	118.0	
28	Average length per acre.....feet..	42.5	13.6	5.7	44.6	34.1	30.9	18.8	
29	Area drained by tile only.....acres..	1,404			23,136	1,318			1,021
30	Length of these tile.....miles..	14.3			343.6	14.9			6.7
31	Average length per acre.....feet..	53.8			78.4	59.7			34.6
32	Area drained by open ditches and tile.....acres..	3,911			42,603	124			3,750
33	Length of these drains.....miles..	64.1			455.6	3.0			12.7
34	Average length per acre.....feet..	88.5			56.4	127.7			17.9
DEVELOPMENT OF LAND.									
35	Improved land in operating enterprises, 1920.....acres..	7,834	16,031	1,487,137	53,351	14,268	4,153	20,362	1,670
36	Improved land prior to drainage.....acres..	1,325	12,668	243,568	23,316	3,849	1,222	5,545	429
37	Increase since drainage.....acres..	6,509	3,363	243,568	30,035	10,419	2,931	14,817	1,241
38	Per cent of increase.....	491.2	26.5	100.0	128.8	270.7	239.9	267.2	289.3
39	Per cent increase is of all improved land in farms, 1920.....	2.6	4.1	46.5	8.1	3.7	3.7	6.5	0.3
40	Timber and cut-over land, 1920.....acres..	233	1,448	154,858		189	578	2,309	48
41	Timber and cut-over land prior to drainage.....acres..	491	1,448	173,430		245	1,027	5,120	48
42	Decrease since drainage.....acres..	258		18,572		56	449	2,811	
43	Per cent of decrease.....	52.5		10.7		22.9	43.7	54.9	
44	Other unimproved land, 1920.....acres..	6,005	19,245	129,426	14,614	6,770	2,441	10,409	3,053
45	Other unimproved land prior to drainage.....acres..	12,256	22,608	354,423	44,619	17,133	4,923	22,415	4,294
46	Decrease since drainage.....acres..	6,251	3,363	224,997	30,035	10,363	2,482	12,006	1,241
47	Per cent of decrease.....	51.0	14.9	63.5	67.3	60.5	50.4	53.6	28.9
48	Swampy or subject to overflow, 1920.....acres..	3,868	13,714	30,856	7,105	2,591	277	1,506	426
49	Swampy or subject to overflow prior to drainage.....acres..	14,072	20,696	331,708	37,486	11,702	3,608	14,641	4,771
50	Decrease since drainage.....acres..	10,204	6,982	300,852	30,381	9,111	3,331	13,135	4,345
51	Per cent of decrease.....	72.5	33.7	90.7	81.0	77.9	92.3	89.7	91.1
CAPITAL INVESTED AND COST PER ACRE.									
52	Total capital invested in and required for completion of operating enterprises.....dollars..	285,992	267,573	2,069,234	1,857,548	249,787	34,192	99,019	85,020
53	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	283,506	92,573	2,069,234	1,793,548	249,787	34,192	99,019	77,520
54	Additional capital required to complete these enterprises.....dollars..	2,486	175,000		64,000			3,000	7,500
55	Average cost per acre when completed.....dollars..	20.32	7.29	2.68	27.33	11.77	4.77	2.99	17.82
56	Enterprises constructing open ditches only.....dollars..	105,950	267,573	2,069,234	23,552	217,332	34,192	99,019	
57	Average cost per acre when completed.....dollars..	12.10	7.29	2.68	10.87	10.98	4.77	2.99	
58	Enterprises constructing tile drains only.....dollars..	28,298			760,448	28,804			34,619
59	Average cost per acre when completed.....dollars..	20.16			32.87	21.85			33.91
60	Enterprises constructing open ditches and tile drains.....dollars..	151,744			1,073,548	3,651			50,401
61	Average cost per acre when completed.....dollars..	38.80			25.16	29.44			13.44
CROPS.									
62	Improved land in enterprises reporting—								
63	Wheat as principal crop on drained land.....acres..	1,576	2,849	487,137		232			
64	Hay as principal crop on drained land.....acres..	27			31	4,525	3,765	12,451	
65	Corn as principal crop on drained land.....acres..	6,231			52,821	9,511		4,040	
66	Oats as principal crop on drained land.....acres..		13,182						1,670
67	Potatoes as principal crop on drained land.....acres..				499		388	3,871	
68	Flax as principal crop on drained land.....acres..								
69	Not reporting principal crop on drained land.....acres..								

1 Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.

2 When works under construction have been completed.

3 The reported figures have been reduced in proportion to the reduction made in improved land, 1920.

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

		Murray.	Nicollet.	Nobles.	Norman.	Otter Tail.	Penning- ton.	Pine.	Pipe- stone.	Polk.
LAND AREA.										
1	Approximate land area of the county.....acres..	450,560	283,520	402,080	550,400	1,304,960	388,480	904,320	300,160	1,266,560
2	All land in operating drainage enterprises.....acres..	44,984	28,666	16,734	280,024	50,555	349,624	16,227	14,834	837,261
3	Improved land.....acres..	35,225	16,053	12,069	166,386	25,384	186,319	8,636	14,092	557,509
4	Per cent of all improved land in farms.....	9.2	7.6	8.0	41.5	3.7	95.8	7.1	5.7	66.2
5	Timber and cut-over land.....acres..	9,759	337	4,665	113,638	1,981	22,173	1,075	742	28,336
6	Other unimproved land.....acres..	9,759	12,762	4,665	113,638	23,210	141,132	6,516	742	251,416
7	Swampy or subject to overflow, in enterprises.....acres..	4,928	5,253	3,035	.....	17,147	60,288	812	.....	153,481
8	Suffering a loss of crops from defective drainage.....acres..	4,623	13,911	17	.....	3,201	15,684	701	.....	37,876
9	Assessed acreage.....	44,984	30,746	16,734	280,024	50,555	449,778	16,227	14,834	1,016,453
10	Excess over all land in operating enterprises.....acres..	.....	2,080	.....	.....	.....	100,154	.....	.....	179,192
DRAINAGE WORKS.										
Open ditches:										
11	Completed.....miles..	78.5	142.7	31.0	314.8	241.2	371.2	51.0	5.1	801.7
12	Additional under construction.....miles..	.....	0.5	.....	.....	.....	.....	.....	.....	4.9
13	Maximum completed in any enterprise.....miles..	19.8	14.7	6.2	57.0	14.7	38.6	12.0	5.1	28.6
14	Maximum width at bottom of ditch ².....feet..	40	20	10	16	20	12	12	10	24
15	Maximum of average depths of outlet ditches ².....feet..	9.2	18.0	9.0	24.0	10.0	6.5	5.0	6.0	9.2
16	Mean depth of branch ditches ².....feet..	5.8	3.4	5.1	6.0	3.4	8.9	3.0	8.0	4.3
Tile drains:										
17	Completed.....miles..	488.6	36.7	137.6	0.5	23.2	.....	.....	43.2	.....
18	Additional under construction.....miles..	33.6	3.0	10.2	.....	.....	.....	.....	21.6	0.1
19	Maximum completed in any enterprise.....miles..	28.4	10.2	64.5	0.5	8.2	.....	.....	43.2	.....
20	Maximum size of tile.....inches..	36	28	42	15	24	.....	.....	32	24
Accessory levees and dikes:										
21	Completed.....miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Additional under construction.....miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Area drained by open ditches only ².....acres..	9,358	23,996	3,713	278,593	41,037	349,624	16,227	.....	833,953
24	Length of these ditches.....miles..	48.5	141.3	19.5	314.3	177.6	371.2	51.0	.....	804.4
25	Average length per acre.....feet..	27.4	31.1	27.7	6.0	22.9	5.6	16.6	.....	5.1
26	Area drained by tile only ².....acres..	19,045	3,350	4,173	.....	49	.....	.....	.....	.....
27	Length of these tile.....miles..	327.0	18.4	58.3	.....	1.3	.....	.....	.....	.....
28	Average length per acre.....feet..	90.7	29.0	73.8	.....	140.1	.....	.....	.....	.....
29	Area drained by open ditches and tile ².....acres..	16,581	1,320	8,848	1,431	9,469	.....	.....	14,834	3,308
30	Length of these drains.....miles..	225.2	23.2	101.0	1.0	85.5	.....	.....	69.9	2.3
31	Average length per acre.....feet..	71.7	92.8	60.3	3.7	47.7	.....	.....	24.9	3.7
DEVELOPMENT OF LAND.										
32	Improved land in operating enterprises, 1920.....acres..	35,225	16,053	12,069	166,386	25,384	186,319	8,636	14,092	557,509
33	Improved land prior to drainage.....acres..	13,684	9,292	5,819	.....	8,506	86,763	2,811	11,126	233,959
34	Increase since drainage.....acres..	21,561	6,761	6,250	166,386	16,878	99,556	5,825	2,966	323,520
35	Per cent of increase.....	157.8	72.8	107.4	.....	198.4	114.7	267.2	26.7	138.3
36	Per cent increase is of all improved land in farms, 1920.....	5.6	3.2	1.6	41.5	2.5	51.2	4.8	1.2	38.4
37	Timber and cut-over land, 1920.....acres..	.....	337	.....	.....	1,961	22,173	1,075	.....	28,336
38	Timber and cut-over land prior to drainage.....acres..	.....	355	.....	.....	3,325	33,624	1,179	.....	41,630
39	Decrease since drainage.....acres..	.....	18	.....	.....	1,364	11,451	104	.....	13,294
40	Per cent of decrease.....	.....	5.1	.....	.....	41.0	34.1	8.8	.....	31.9
41	Other unimproved land, 1920.....acres..	9,759	12,762	4,665	113,638	23,210	141,132	6,516	742	251,416
42	Other unimproved land prior to drainage.....acres..	31,320	19,019	10,915	280,024	38,724	229,237	12,237	3,708	561,642
43	Decrease since drainage.....acres..	21,561	6,743	6,250	166,386	15,514	88,105	5,721	2,966	310,226
44	Per cent of decrease.....	68.8	35.5	57.3	59.4	40.1	38.4	46.8	80.0	55.2
45	Swampy or subject to overflow, 1920.....acres..	4,928	5,253	3,035	.....	17,147	60,288	812	.....	153,481
46	Swampy or subject to overflow prior to drainage.....acres..	17,052	10,091	8,473	280,024	45,143	132,010	8,000	3,708	307,184
47	Decrease since drainage.....acres..	12,124	4,838	5,438	280,024	27,996	65,728	7,188	3,708	153,703
48	Per cent of decrease.....	71.1	47.9	64.2	100.0	62.0	49.8	89.9	100.0	50.0
CAPITAL INVESTED AND COST PER ACRE.										
49	Total capital invested in and required for completion of operating enterprises.....dollars..	1,448,271	342,445	545,060	670,666	316,154	603,019	89,274	269,175	1,111,537
50	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	1,343,220	332,762	510,331	670,666	316,154	603,019	89,274	219,175	1,102,337
51	Additional capital required to complete these enterprises.....dollars..	105,051	9,683	35,329	.....	.....	.....	.....	50,000	9,200
52	Average cost per acre when completed.....dollars..	32.20	11.95	32.61	2.40	6.25	1.72	5.50	18.15	1.33
53	Enterprises constructing open ditches only.....dollars..	82,565	205,586	40,329	668,755	188,449	603,019	89,274	.....	1,104,959
54	Average cost per acre when completed.....dollars..	8.82	8.57	10.88	2.40	4.59	1.72	5.50	.....	1.32
55	Enterprises constructing tile drains only.....dollars..	823,622	71,370	130,834	.....	2,150	.....	.....	.....	.....
56	Average cost per acre when completed.....dollars..	43.25	21.30	31.35	.....	44.06	.....	.....	.....	.....
57	Enterprises constructing open ditches and tile drains.....dollars..	542,084	65,489	374,497	1,911	125,546	.....	.....	269,175	6,578
58	Average cost per acre when completed.....dollars..	32.60	49.61	42.33	1.34	13.26	.....	.....	18.15	1.99
CROPS.										
Improved land in enterprises reporting—										
59	Wheat as principal crop on drained land.....acres..	.....	.....	.....	165,738	228	67,540	.....	.....	.....
60	Hay as principal crop on drained land.....acres..	.....	4,256	.....	.....	25,156	113,903	8,636	.....	237,000
61	Corn as principal crop on drained land.....acres..	34,425	11,497	12,069	648	.....	.....	.....	14,092	319,909
62	Oats as principal crop on drained land.....acres..	.....	300	.....	.....	.....	4,876	.....	.....	.....
63	Potatoes as principal crop on drained land.....acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
64	Flax as principal crop on drained land.....acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	Not reporting principal crop on drained land.....acres..	800	.....	.....	.....	.....	.....	.....	.....	.....

¹ Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.² When works under construction have been completed.³ The reported figures have been reduced in proportion to the reduction made in improved land, 1920.

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

		Pope.	Ramsey.	Red Lake.	Red- wood.	Renville.	Rice.	Roseau.	St. Louis.	Sher- burne.
LAND AREA.										
1	Approximate land area of the county.....acres..	443,520	103,040	276,480	563,840	625,920	316,800	1,068,800	4,161,920	286,720
2	All land in operating drainage enterprises.....acres..	11,402	4,172	146,649	65,146	89,579	4,909	1,036,824	217,689	20,597
3	Improved land.....acres..	7,676	1,866	77,468	40,844	61,816	3,078	1,210,948	23,134	11,674
4	Per cent of all improved land in farms.....	2.7	5.2	48.5	9.1	12.1	1.4	69.4	24.7	9.1
5	Timber and cut-over land.....acres..	208	231	5,802	20	29		132,944	22,172	1,280
6	Other unimproved land.....acres..	3,518	2,075	63,379	24,282	27,734	1,831	692,932	172,383	7,643
7	Swampy or subject to overflow, in enterprises.....acres..	979	1,654	31,198	9,859	16,021		71,028	61,433	737
8	Suffering a loss of crops from defective drainage.....acres..	1,484	282	5,665	15,738	17,408	1,183	99,730	903	
9	Assessed acreage.....	11,402	4,172	172,553	65,146	93,785	4,909	1,036,824	217,689	20,597
10	Excess over all land in operating enterprises.....acres..			25,904		4,203				
DRAINAGE WORKS.										
11	Open ditches:									
12	Completed.....miles..	69.4	37.4	158.4	174.4	343.9	43.8	1,091.1	654.8	140.0
13	Additional under construction.....miles..	0.1	5.1		2.7	0.3			3.2	
14	Maximum completed in any enterprise.....miles..	11.7	8.1	20.6	34.0	23.6	9.7	212.1	150.0	25.0
15	Maximum width at bottom of ditch.....feet..	20	8	12	24	25	20	60	24	6
16	Maximum of average depths of outlet ditches.....feet..	14.0	6.0	5.5	12.0	13.0	5.5	10.0	10.0	7.0
16	Mean depth of branch ditches.....feet..	3.8	3.5	3.7	4.3	4.0	4.0	5.0	5.5	3.6
17	Tile drains:									
18	Completed.....miles..	7.1	0.8		479.8	332.4	7.3			5.8
19	Additional under construction.....miles..	0.6			63.8	38.2				1.0
20	Maximum completed in any enterprise.....miles..	6.5	0.4		33.6	76.5	6.0			2.0
20	Maximum size of tile.....inches..	24	24		36	42	16			36
21	Accessory levees and dikes:									
22	Completed.....miles..									
22	Additional under construction.....miles..									
23	Area drained by open ditches only.....acres..	10,822	3,885	146,649	3,403	47,257	3,237	1,036,824	217,689	16,465
24	Length of these ditches.....miles..	67.9	40.2	158.4	25.7	261.3	33.4	1,091.1	658.0	105.0
25	Average length per acre.....feet..	33.1	54.6	5.7	39.9	29.2	54.5	5.6	16.0	33.7
26	Area drained by tile only.....acres..	403			12,427	4,589				130
27	Length of these tile.....miles..	6.5			154.6	58.4				2.0
28	Average length per acre.....feet..	85.2			67.2					81.2
29	Area drained by open ditches and tile.....acres..	177	287		49,316	37,733	1,672			4,002
30	Length of these drains.....miles..	2.8	3.1		540.4	395.2	17.7			39.8
31	Average length per acre.....feet..	83.5	57.0		57.9	55.3	55.9			52.5
DEVELOPMENT OF LAND.										
32	Improved land in operating enterprises, 1920.....acres..	7,676	1,866	77,468	40,844	61,816	3,078	1,210,948	23,134	11,674
33	Improved land prior to drainage.....acres..	4,016	463	34,971	18,997	45,591	1,778	449,075	4,959	2,916
34	Increase since drainage.....acres..	3,660	1,403	42,497	23,847	16,225	1,300	161,873	18,175	8,758
35	Per cent of increase.....	01.1	303.0	121.5	140.3	35.6	73.1	329.8	366.5	300.3
36	Per cent increase is of all improved land in farms, 1920.....	1.3	3.9	26.6	5.3	3.2	0.6	76.3	19.4	6.8
37	Timber and cut-over land, 1920.....acres..	208	231	5,802	20	29		132,944	22,172	1,280
38	Timber and cut-over land prior to drainage.....acres..	726	371	9,629	31	94		132,944	24,227	2,759
39	Decrease since drainage.....acres..	518	140	3,827	11	65			2,055	1,479
40	Per cent of decrease.....	71.3	37.7	30.7	35.5	69.1			8.5	53.6
41	Other unimproved land, 1920.....acres..	3,518	2,075	63,379	24,282	27,734	1,831	692,932	172,383	7,643
42	Other unimproved land prior to drainage.....acres..	6,660	3,338	102,049	48,118	43,894	3,131	854,805	188,603	14,922
43	Decrease since drainage.....acres..	3,142	1,263	38,670	23,836	16,160	1,300	161,873	16,120	7,279
44	Per cent of decrease.....	47.2	37.8	37.9	40.5	36.8	41.5	18.9	8.6	48.8
45	Swampy or subject to overflow, 1920.....acres..	979	1,654	31,198	9,859	16,021		71,028	61,433	737
46	Swampy or subject to overflow prior to drainage.....acres..	5,065	4,069	54,131	24,386	38,561	1,401	826,458	186,209	9,937
47	Decrease since drainage.....acres..	4,076	2,405	22,933	14,527	22,540	1,401	755,430	124,776	9,200
48	Per cent of decrease.....	80.6	59.3	42.4	59.6	58.5	100.0	91.4	67.0	92.6
CAPITAL INVESTED AND COST PER ACRE.										
49	Total capital invested in and required for completion of operating enterprises.....dollars..	124,912	86,857	188,572	1,895,940	1,875,171	102,191	1,768,122	1,033,797	176,302
50	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	123,112	71,357	188,572	1,597,448	1,774,271	102,191	1,768,122	1,028,797	174,602
51	Additional capital required to complete these enterprises.....dollars..	1,800	15,500		298,492	100,900			5,000	1,700
52	Average cost per acre when completed.....dollars..	10.96	20.82	1.29	29.10	20.93	20.82	1.71	4.75	8.56
53	Enterprises constructing open ditches only.....dollars..	100,064	77,020	188,572	39,372	418,130	52,880	1,768,122	1,033,797	100,083
54	Average cost per acre when completed.....dollars..	9.25	19.82	1.29	11.57	8.85	16.34	1.71	4.75	6.08
55	Enterprises constructing tile drains only.....dollars..	17,235			344,928	141,681				3,032
56	Average cost per acre when completed.....dollars..	42.77			27.76	30.87				23.32
57	Enterprises constructing open ditches and tile drains.....dollars..	7,613	9,837		1,511,640	1,315,360	49,311			73,187
58	Average cost per acre when completed.....dollars..	43.01	34.28		30.65	34.88	29.49			18.29
CROPS.										
59	Improved land in enterprises reporting—									
60	Wheat as principal crop on drained land.....acres..	5,950		4,859		60,773		210,948		
61	Hay as principal crop on drained land.....acres..	1,091	1,113	55,570	2,927		602		23,134	11,400
62	Corn as principal crop on drained land.....acres..		26		37,917	1,043	2,476			130
63	Oats as principal crop on drained land.....acres..		513	17,039						
64	Potatoes as principal crop on drained land.....acres..		169							144
65	Flax as principal crop on drained land.....acres..									
66	Not reporting principal crop on drained land.....acres..	35	46							

¹ Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.

² When works under construction have been completed.

³ The reported figures have been reduced in proportion to the reduction made in improved land, 1920.

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

		Sibley.	Stearns.	Steele.	Stevens.	Swift.	Todd.	Traverse.	Wabasha.	
LAND AREA.										
1	Approximate land area of the county.....	acres..	374,400	871,680	275,840	300,960	474,240	612,480	303,520	340,240
2	All land in operating drainage enterprises.....	acres..	21,357	26,283	17,679	44,232	65,840	46,785	171,595	7,527
3	Improved land.....	acres..	9,837	21,760	12,373	26,857	50,429	18,394	156,906	4,892
4	Per cent of all improved land in farms.....	.....	3.6	4.4	5.8	6.6	12.9	7.0	52.2	2.2
5	Timber and cut-over land.....	acres..	206	441	.....	.....	.....	.....	.....	151
6	Other unimproved land.....	acres..	11,254	4,082	5,306	17,375	15,411	28,391	14,689	2,484
7	Swampy or subject to overflow, in enterprises.....	acres..	7,421	2,094	.....	4,604	2,369	.....	.....	1,129
8	Suffering a loss of crops from defective drainage.....	acres..	2,038	1,215	.....	1,599	3,599	.....	22,441	.....
9	Assessed acreage.....	acres..	21,357	26,283	17,679	44,232	65,840	46,785	171,595	7,527
10	Excess over all land in operating enterprises.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....
DRAINAGE WORKS.										
11	Open ditches:									
12	Completed.....	miles..	201.3	197.4	81.0	99.8	100.6	359.2	194.9	2.5
13	Additional under construction.....	miles..	2.2	.....	.....	21.4	.....	0.8	.....	.....
14	Maximum completed in any enterprise.....	miles..	14.9	20.0	28.0	19.8	29.7	33.0	21.6	2.5
15	Maximum width at bottom of ditch.....	feet..	20	10	20	20	50	20	10	30
16	Maximum of average depths of outlet ditches.....	feet..	13.0	10.0	7.0	15.0	14.0	9.0	11.0	15.0
17	Mean depth of branch ditches.....	feet..	3.7	4.0	3.9	5.0	5.1	3.3	3.4	.....
18	Tile drains:									
19	Completed.....	miles..	9.2	9.5	32.0	89.2	270.7	1.0	3.1	.....
20	Additional under construction.....	miles..	50.8	.....	.....	4.2	.....	.....	.....	.....
21	Maximum completed in any enterprise.....	miles..	3.1	3.0	17.0	18.3	153.0	1.0	1.6	.....
22	Maximum size of tile.....	inches..	24	24	28	48	30	20	14	.....
23	Accessory levees and dikes:									
24	Completed.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....
25	Additional under construction.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....
26	Area drained by open ditches only.....	acres..	17,429	25,164	12,014	9,709	35,092	46,385	170,208	7,527
27	Length of these ditches.....	miles..	186.5	196.4	75.0	56.9	60.9	358.0	192.5	2.5
28	Average length per acre.....	feet..	56.5	41.2	33.0	30.9	9.2	40.8	6.0	1.8
29	Area drained by tile only.....	acres..	474	884	2,172	11,479	4,247	.....	712	.....
30	Length of these tile.....	miles..	8.2	6.5	14.0	45.4	41.0	.....	1.6	.....
31	Average length per acre.....	feet..	69.1	38.8	34.0	20.9	51.0	.....	11.9	.....
32	Area drained by open ditches and tile.....	acres..	3,454	235	3,493	23,044	26,531	400	675	.....
33	Length of these drains.....	miles..	70.8	4.0	24.0	112.3	269.4	3.0	3.9	.....
34	Average length per acre.....	feet..	108.2	89.9	36.3	25.7	53.6	39.0	30.5	.....
DEVELOPMENT OF LAND.										
35	Improved land in operating enterprises, 1920.....	acres..	9,837	21,760	12,373	26,857	50,429	18,394	156,906	4,892
36	Improved land prior to drainage.....	acres..	2,152	8,179	1,688	15,030	26,000	.....	153,606	1,505
37	Increase since drainage.....	acres..	7,685	13,581	10,685	11,797	24,429	18,394	3,300	3,387
38	Per cent of increase.....	.....	357.1	166.0	638.0	78.3	94.0	.....	2.1	225.0
39	Per cent increase is of all improved land in farms, 1920.....	.....	2.8	2.7	5.0	4.2	6.2	7.6	1.1	1.5
40	Timber and cut-over land, 1920.....	acres..	266	441	.....	.....	.....	.....	.....	151
41	Timber and cut-over land prior to drainage.....	acres..	603	532	.....	.....	221	1,076	.....	151
42	Decrease since drainage.....	acres..	337	91	.....	.....	221	1,076	.....	.....
43	Per cent of decrease.....	.....	55.9	17.1	.....	.....	100.0	100.0	.....	.....
44	Other unimproved land, 1920.....	acres..	11,254	4,082	5,306	17,375	15,411	28,391	14,689	2,484
45	Other unimproved land prior to drainage.....	acres..	18,602	17,572	15,991	29,172	39,619	45,709	17,989	5,871
46	Decrease since drainage.....	acres..	7,348	13,490	10,685	11,797	24,208	17,318	3,300	3,387
47	Per cent of decrease.....	.....	39.5	76.8	66.8	40.4	61.1	37.9	18.3	57.7
48	Swampy or subject to overflow, 1920.....	acres..	7,421	2,094	.....	4,604	2,369	.....	.....	1,129
49	Swampy or subject to overflow prior to drainage.....	acres..	21,302	12,312	13,407	22,069	28,818	44,500	.....	0,022
50	Decrease since drainage.....	acres..	13,881	10,218	13,407	17,465	26,449	44,500	.....	4,893
51	Per cent of decrease.....	.....	65.2	83.0	100.0	79.1	91.8	100.0	.....	81.3
CAPITAL INVESTED AND COST PER ACRE.										
52	Total capital invested in and required for completion of operating enterprises.....	dollars..	442,006	275,221	212,619	599,836	1,064,494	318,492	297,428	14,694
53	Capital invested in these enterprises to Dec. 31, 1919.....	dollars..	207,622	275,221	212,619	564,136	1,064,494	318,492	297,428	14,694
54	Additional capital required to complete these enterprises.....	dollars..	235,284	.....	.....	35,700	.....	.....	.....	.....
55	Average cost per acre when completed.....	dollars..	20.74	10.47	12.03	13.56	10.17	6.81	1.73	1.95
56	Enterprises constructing open ditches only.....	dollars..	177,863	240,556	107,901	157,652	228,008	313,889	292,907	14,694
57	Average cost per acre when completed.....	dollars..	10.21	9.56	8.88	16.24	6.52	6.77	1.72	1.95
58	Enterprises constructing tile drains only.....	dollars..	12,357	28,965	38,868	139,189	101,876	.....	3,348	.....
59	Average cost per acre when completed.....	dollars..	26.07	32.77	17.90	12.13	23.99	.....	4.70	.....
60	Enterprises constructing open ditches and tile drains.....	dollars..	252,686	5,700	65,850	302,995	734,010	4,603	1,173	.....
61	Average cost per acre when completed.....	dollars..	73.16	24.26	18.85	13.15	27.67	11.51	1.74	.....
CROPS.										
62	Improved land in enterprises reporting—									
63	Wheat as principal crop on drained land.....	acres..	3,646	10,256	.....	26,857	50,429	.....	156,906	.....
64	Hay as principal crop on drained land.....	acres..	.....	.....	7,574	.....	.....	.....	.....	.....
65	Corn as principal crop on drained land.....	acres..	6,191	11,504	4,799	.....	.....	18,394	.....	.....
66	Oats as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....
67	Potatoes as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....
68	Flax as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....
69	Not reporting principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....

* When works under construction have been completed.

* Barley.

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

		Wadena.	Waseca.	Wash- ington.	Watson- wan.	Wilkin.	Wright.	Yellow Medicine.	Other counties. ¹
LAND AREA.									
1	Approximate land area of the county.....acres..	344,320	275,840	254,080	277,760	476,800	442,240	479,360	1,297,280
2	All land in operating drainage enterprises.....acres..	51,937	10,076	8,804	15,158	237,948	13,382	12,775	12,220
3	Improved land.....acres..	17,109	6,007	4,557	13,906	146,620	7,756	8,495	8,232
4	Per cent of all improved land in farms.....	16.7	3.1	2.9	6.2	37.6	3.0	2.2	1.0
5	Timber and cut-over land.....acres..	2,707		850		4,029	852		516
6	Other unimproved land.....acres..	32,121	4,069	3,307	1,252	87,299	4,754	4,280	3,472
7	Swampy or subject to overflow, in enterprises.....acres..			2,765		36,713	1,652	2,978	3,135
8	Suffering a loss of crops from defective drainage.....acres..			474		6,231	1,690	1,181	451
9	Assessed acreage.....	51,937	10,076	8,804	15,158	237,190	13,382	12,775	12,220
10	Excess over all land in operating enterprises.....acres..					49,251			
DRAINAGE WORKS.									
Open ditches:									
11	Completed.....miles..	172.8	59.0	25.5	20.0	283.2	94.2	31.9	74.0
12	Additional under construction.....miles..	0.2				1.1		0.4	1.0
13	Maximum completed in any enterprise.....miles..	30.0	12.0	12.5	6.0	40.5	11.0	7.7	19.6
14	Maximum width at bottom of ditch ².....feet..	20	12	10	10	20	20	12	72
15	Maximum of average depths of outlet ditches ².....feet..	6.0	6.0	7.2	7.0	8.0	9.0	8.4	10.8
16	Mean depth of branch ditches ².....feet..	3.4	3.1	4.3	4.9	3.9	3.6	4.3	4.7
Tile drains:									
17	Completed.....miles..			6.0	182.0		24.0	51.5	18.8
18	Additional under construction.....miles..							7.9	
19	Maximum completed in any enterprise.....miles..			6.0	40.0		8.0	11.0	10.5
20	Maximum size of tile ².....inches..			18	36		28	30	42
Accessory levees and dikes:									
21	Completed.....miles..								
22	Additional under construction.....miles..								
23	Area drained by open ditches only ².....acres..	51,937	10,076	8,110		237,948	11,125	3,098	8,878
24	Length of these ditches.....miles..	173.0	59.0	23.5		284.3	81.7	24.6	74.3
25	Average length per acre.....feet..	17.6	30.9	15.3		6.3	38.8	32.6	44.2
26	Area drained by tile only ².....acres..				6,549		158	4,125	
27	Length of these tile.....miles..				87.0		1.0	42.6	
28	Average length per acre.....feet..				70.1		33.4	54.5	
29	Area drained by open ditches and tile ².....acres..			694	8,609		2,079	4,664	3,342
30	Length of these drains.....miles..			8.0	115.0		85.5	24.5	19.5
31	Average length per acre.....feet..			60.9	70.5		90.2	27.7	30.8
DEVELOPMENT OF LAND.									
32	Improved land in operating enterprises, 1920.....acres..	17,109	6,007	4,557	13,906	146,620	7,756	8,495	8,232
33	Improved land prior to drainage.....acres..		574	571	398	104,150	1,540	597	3,487
34	Increase since drainage.....acres..	17,109	5,433	3,986	13,508	42,470	6,216	7,898	4,745
35	Per cent of increase ²		94.5	698.1		40.8	403.6		136.1
36	Per cent increase is of all improved land in farms, 1920.....	16.7	2.8	2.6	6.0	10.9	2.4	2.0	0.6
37	Timber and cut-over land, 1920.....acres..	2,707		850		4,029	852		516
38	Timber and cut-over land prior to drainage.....acres..	3,761		1,409		4,868	969		673
39	Decrease since drainage.....acres..	1,054		559		839	117		157
40	Per cent of decrease.....	28.0		39.7		17.2	12.1		23.3
41	Other unimproved land, 1920.....acres..	32,121	4,069	3,307	1,252	87,299	4,754	4,280	3,472
42	Other unimproved land prior to drainage.....acres..	48,176	9,502	6,824	14,760	128,930	10,853	12,178	8,060
43	Decrease since drainage.....acres..	16,055	5,433	3,427	13,508	41,631	6,099	7,898	4,588
44	Per cent of decrease.....	33.3	57.2	50.2	91.5	32.3	56.2	64.0	56.9
45	Swampy or subject to overflow, 1920.....acres..			2,765		36,713	1,652	2,978	3,135
46	Swampy or subject to overflow prior to drainage.....acres..	50,607	8,802	8,804	10,600	95,339	7,320	12,346	8,740
47	Decrease since drainage.....acres..	50,607	8,802	6,039	10,600	58,626	5,668	9,368	5,605
48	Per cent of decrease.....	100.0	100.0	68.6	100.0	61.5	77.4	75.9	64.1
CAPITAL INVESTED AND COST PER ACRE.									
49	Total capital invested in and required for completion of operating enterprises.....dollars..	164,543	81,715	58,217	450,516	741,575	217,897	227,128	449,285
50	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	164,543	81,715	58,217	450,516	721,575	217,897	212,850	399,285
51	Additional capital required to complete these enterprises.....dollars..					20,000		14,278	50,000
52	Average cost per acre when completed.....dollars..	8.17	8.11	6.61	29.72	3.12	16.31	17.78	30.77
53	Enterprises constructing open ditches only.....dollars..	164,543	81,715	41,490		741,575	138,014	19,474	343,555
54	Average cost per acre when completed.....dollars..	8.17	8.11	5.12		3.12	12.46	4.89	38.70
55	Enterprises constructing tile drains only.....dollars..				196,416		2,656	127,098	
56	Average cost per acre when completed.....dollars..				29.99		23.14	30.81	
57	Enterprises constructing open ditches and tile drains.....dollars..			16,727	254,100		75,627	80,556	105,730
58	Average cost per acre when completed.....dollars..			24.10	29.52		36.38	17.27	31.64
CROPS.									
Improved land in enterprises reporting—									
59	Wheat as principal crop on drained land.....acres..					89,485	1,045		1,265
60	Hay as principal crop on drained land.....acres..	17,109	6,007	3,812	2,529	57,135	4,757	568	6,436
61	Corn as principal crop on drained land.....acres..			745	11,377		1,954	7,061	531
62	Oats as principal crop on drained land.....acres..								
63	Potatoes as principal crop on drained land.....acres..							866	
64	Flax as principal crop on drained land.....acres..								
65	Not reporting principal crop on drained land.....acres..								

¹ Includes only Dakota, Houston, Rock, and Scott Counties.
² When works under construction have been completed.
³ Per cent not shown when more than 1,000.

MANUFACTURES—MINNESOTA.

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.—Minnesota has a gross area of 84,682 square miles, of which 80,858 represent land surface. The inhabitants of the state in 1900 numbered 1,751,394; in 1910, 2,075,708; and in 1920, 2,387,125. In total population Minnesota ranked seventeenth among the states in 1920. The number of inhabitants per square mile in 1910 was 25.7, the corresponding figure for 1920 being 29.5. Minnesota ranked twenty-ninth among the states in this respect.

In 1920 there were 11 cities in the state—Austin, Duluth, Faribault, Hibbing, Mankato, Minneapolis, Rochester, St. Cloud, St. Paul, Virginia, and Winona—having more than 10,000 inhabitants. Statistics for the cities of Austin and Virginia, however, can not be shown separately without disclosing the operations of individual establishments. The combined population of the remaining 9 cities in that year was 801,582, or 33.6 per cent of the total population for Minnesota, and in 1919 63.3 per cent of the state's manufactured products were reported from these cities.

Importance and growth of manufactures (Table 1).—The increases in wages, cost of materials, and value of products as presented in Table 1 are to a great extent 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 between the industrial censuses of 1914 and 1919. However, a comparison of the number of establishments, persons engaged, and the horsepower used, in 1919 and 1914, shows a considerable increase in the manufacturing activities of the state.

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for other censuses. The statistics emphasize the importance from a manufacturing standpoint of the counties in which are located the cities of over 10,000 population. Hennepin and Ramsey counties, which include the cities of Minneapolis and St. Paul, reported 54.1 per cent of the total number of wage earners, and 53.7 per cent of the total value of products for the state.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products does not always show their true importance from a manufacturing standpoint. Their rank would in many instances materially change 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 30.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 400 wage earners in 1919, and for which statistics can be shown without 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 are shown in practically all of the details for the seven cities for which comparative figures are given for 1914 and 1919.

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, this table gives similar data for males and females for all industries combined for the state and for cities of 10,000 inhabitants or more. The table also shows that there were a number of industries in the state in 1919 in which the number of female wage earners predominated.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Minnesota. In that year 15.1 per cent of the wage earners were included in the group "48 and under," as against 51.2 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 41.4 per cent of the total wage earners, as compared with 19.6 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state 96.7 per cent were in the several classes having fewer than 101 wage earners, while such establishments

employed but 36.7 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 3.3 per cent of the total manufacturing establishments in the state, but reported 63.3 per cent of the total number of wage earners.

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

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in some instances to combine the establishments of one group of an industry with those of another group of that industry to avoid the possibility of disclosing the operations of individual establishments.

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

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although the corporations owned but 29.1 per cent of the number of establishments in the state in 1919, they reported 86.5 per cent of the average number of wage earners and 87.8 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 24,143, or 31.8 per

cent, and the value of products, \$654,528,635, or 157.8 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 9 cities for which figures can be shown in 1919 represented 44.6 per cent of the total in the state. They reported in that year 67.3 per cent of the average number of wage earners, 63.3 per cent of the value of products, and 71.4 per cent of the value added by manufacture.

Principal industries in Duluth, Minneapolis, and St. Paul, 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, figures being given for those which can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported shows an increase from 1914 to 1919 of 115,220 horsepower, or 32.1 per cent. The owned steam power shows a decrease of 7,958 horsepower, or 3.9 per cent, while for internal combustion engines there was an increase of 26,394 horsepower, or 354.1 per cent. By far the largest actual increase, 96,741 horsepower, or 135.8 per cent, was shown for rented electric power.

Fuel consumed (Table 18).—This table shows the total quantities of the principal kinds of fuel used by manufacturing plants in the state in 1919 and 1914, and in the cities of over 10,000 population in 1919. It also gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. The largest consumption of bituminous coal, 34.2 per cent, was in the manufacture of coke, not including gas-house coke. The iron and steel blast furnaces consumed 81.7 per cent of the coke, while 69.8 per cent of the fuel oils was 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.....	6,225	5,974	5,561	4,756	4,096	4.2	7.4	16.9	16.1
Persons engaged.....	147,678	115,690	104,406	83,301	(²)	27.6	10.8	25.3	-----
Proprietors and firm members.....	5,128	5,233	5,370	4,624	(²)	-2.0	-2.7	18.8	-----
Salaried employees.....	26,927	17,623	14,263	9,141	6,625	52.8	23.6	56.0	38.0
Wage earners (average number).....	115,623	92,834	84,767	69,636	64,557	24.5	9.5	21.7	7.9
Primary horsepower.....	473,957	358,737	297,670	220,934	180,124	32.1	20.5	34.7	22.7
Capital.....	\$679,386,486	\$354,434,177	\$275,419,029	\$184,903,271	\$133,076,669	91.7	28.7	49.0	38.9
Salaries and wages.....	172,466,431	80,591,133	62,922,303	44,375,985	35,093,419	114.0	28.1	40.2	27.9
Salaries.....	45,359,926	22,084,170	15,451,500	9,032,840	6,064,229	105.4	42.9	71.1	49.0
Wages.....	127,106,505	58,507,013	47,470,803	35,343,145	29,029,190	117.2	23.2	32.4	23.5
Paid for contract work.....	4,005,045	2,600,106	2,433,017	4,378,700	(²)	54.0	4.7	-43.3	-----
Rent and taxes.....	25,061,934	7,381,132	4,979,543	\$2,138,692	(²)	239.5	48.2	-----	-----
Cost of materials.....	833,089,777	336,549,214	281,622,287	210,553,949	150,299,277	162.2	19.6	33.8	40.1
Value of products.....	1,218,129,735	493,354,136	409,419,621	307,858,073	223,692,922	146.9	20.5	33.0	37.6
Value added by manufacture.....	335,039,958	156,504,922	127,797,334	97,304,124	73,393,645	114.1	22.5	31.3	32.6

¹A minus sign (-) denotes decrease.

²Figures not available.

³Exclusive of internal revenue.

⁴Value of products less cost of materials

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

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
The state.....	6,225	115,623	\$127,106,505	\$25,061,934	\$383,089,777	\$1,218,129,735	\$335,039,953	473,957
Aitkin.....	33	643	621,989	14,113	871,361	1,802,384	931,023	1,408
Anoka.....	82	550	618,023	60,125	2,789,927	3,933,584	1,143,057	1,420
Becker.....	56	264	280,533	122,041	1,454,186	2,035,107	580,921	2,250
Bolton.....	82	1,798	1,625,243	159,302	2,508,556	5,620,554	3,110,993	6,240
Benton.....	31	121	142,799	8,127	1,069,207	1,385,523	316,226	766
Big Stone.....	15	47	53,412	5,647	1,099,973	1,306,245	206,272	289
Blue Earth.....	91	826	788,125	132,136	9,347,199	11,300,266	1,953,097	3,953
Brown.....	58	538	552,363	177,833	18,107,122	20,105,500	2,088,384	6,101
Carlton.....	30	2,994	2,884,332	1,104,157	4,421,073	10,374,567	5,953,404	14,610
Carver.....	57	414	295,123	51,878	3,443,604	4,406,733	963,120	2,460
Cass.....	41	563	540,503	150,707	956,480	2,111,958	1,155,469	2,137
Chippewa.....	25	292	402,808	0,004	1,291,395	1,962,325	670,030	953
Chisago.....	39	99	117,603	18,814	2,636,735	2,963,413	326,678	939
Clay.....	30	331	463,801	10,341	651,800	1,237,359	635,553	454
Clearwater.....	24	40	34,883	2,073	351,691	443,233	91,542	311
Cook.....	9	36	36,157	775	118,130	170,916	52,786	94
Cottonwood.....	22	30	33,879	4,324	377,502	477,433	99,846	493
Crow Wing.....	51	1,744	2,127,548	74,358	3,505,140	6,140,239	2,035,099	8,578
Dakota.....	51	4,064	5,382,286	220,210	93,675,892	105,820,870	12,144,978	10,434
Dodge.....	42	57	71,442	4,245	1,339,726	1,463,441	153,715	420
Douglas.....	43	93	99,877	41,079	3,722,853	4,105,283	382,433	900
Faribault.....	48	156	185,824	5,579,430	5,050,139	5,232,201	523,201	1,157
Fillmore.....	57	125	98,143	18,535	2,152,858	2,452,302	299,444	880
Freeborn.....	138	2,298	2,206,510	365,166	46,150,094	54,354,951	8,204,867	8,216
Goodhue.....	112	1,478	2,050,601	394,080	14,946,490	21,705,898	6,759,399	5,529
Grant.....	16	42	46,094	1,966	783,526	903,686	120,160	328
Hennepin.....	1,464	39,232	42,653,096	11,805,072	366,788,485	499,421,454	132,632,969	135,363
Houston.....	34	65	66,245	5,249	926,605	1,037,563	110,958	592
Hubbard.....	31	134	119,116	6,718	357,342	654,004	296,662	513
Isanti.....	38	60	54,951	11,786	911,975	1,088,800	176,826	597
Itasca.....	54	760	784,373	53,890	1,498,286	3,282,926	1,784,640	6,893
Jackson.....	34	112	127,817	7,157	677,757	909,303	231,540	319
Kanabec.....	19	33	32,378	3,618	550,175	636,216	86,041	257
Kandiyohi.....	50	318	411,517	16,054	1,305,604	1,915,680	550,082	736
Kittson.....	18	16	14,964	1,041	264,228	314,724	50,496	92
Koochiching.....	52	2,035	2,100,890	200,692	5,359,616	10,785,615	5,425,999	19,538
Lac qui Parle.....	22	52	40,495	10,368	329,048	437,616	108,568	899
Lake.....	13	635	881,261	6,695	399,211	1,045,958	1,240,747	3,306
Le Sueur.....	67	502	453,073	128,915	12,987,245	15,188,891	2,201,116	3,438
Lincoln.....	22	33	34,907	5,693	510,785	631,231	114,546	124
Lyon.....	36	277	356,254	31,365	7,103,598	8,192,842	1,089,244	1,785
McLeod.....	54	171	196,957	17,201	2,861,432	3,250,550	389,078	1,191
Mahnomen.....	12	54	45,490	1,547	134,384	225,708	91,384	251
Marshall.....	29	38	36,546	5,051	577,728	690,208	112,540	402
Martin.....	38	252	227,395	32,803	1,640,407	2,198,513	558,103	669
Meeker.....	50	85	81,480	21,962	1,701,253	1,979,634	278,381	689
Miller.....	35	38	90,036	4,458	1,475,159	1,637,786	162,627	546
Morrison.....	49	287	254,799	28,434	3,119,607	3,866,964	747,357	4,458
Murray.....	19	26	27,257	3,483	287,426	359,215	71,789	259
Nicollet.....	44	182	160,811	56,650	1,384,467	1,825,648	444,181	708
Nobles.....	26	97	120,395	7,321	591,405	802,507	211,102	308
Norman.....	20	48	47,254	11,784	699,334	824,305	124,971	443
Olustad.....	60	393	376,701	64,347	2,441,500	3,492,457	1,060,995	1,695
Otter Tail.....	108	327	336,631	73,149	4,613,487	5,692,174	1,078,687	2,528
Pennington.....	27	206	241,035	16,120	958,640	1,349,050	390,419	820
Pine.....	32	67	64,973	11,881	1,066,381	1,249,537	182,656	501
Pipestone.....	31	180	196,699	12,518	1,267,006	1,630,486	362,580	637
Polk.....	70	364	378,288	46,280	3,807,428	4,850,912	1,043,484	1,471
Pope.....	25	134	189,977	5,892	985,576	1,291,336	305,760	498
Ramsey.....	842	23,292	25,211,956	5,660,487	88,363,157	154,840,006	66,476,849	45,522
Red Lake.....	18	19	22,758	2,818	503,833	570,027	66,194	389
Redwood.....	30	54	51,783	4,576	581,935	722,205	140,330	184
Renville.....	65	152	165,095	13,830	2,282,224	2,688,097	406,473	1,264
Rice.....	85	982	854,490	166,804	12,703,100	15,321,879	2,618,779	4,042
Rock.....	20	84	94,605	16,834	467,548	734,442	266,894	292
Roseau.....	21	41	32,827	3,338	262,380	341,237	78,857	353
St. Louis.....	332	15,546	19,402,065	2,058,079	50,626,858	89,702,263	39,075,405	101,481
Scott.....	51	307	271,689	26,693	3,925,357	5,460,430	1,535,073	1,659
Sherburne.....	13	21	20,716	1,119	484,702	580,260	95,558	141
Sibley.....	43	106	93,133	11,751	1,335,908	1,577,698	241,690	848
Stearns.....	191	2,708	3,126,766	274,791	11,493,179	16,038,784	5,445,005	20,586
Steele.....	62	247	277,135	33,984	2,918,312	3,570,760	652,438	865
Stevens.....	14	28	28,106	3,604	344,742	423,361	81,019	187
Swift.....	26	81	81,990	20,761	2,512,260	3,422,119	909,859	1,037
Todd.....	44	241	363,120	12,030	2,019,343	2,550,705	531,362	731
Traverse.....	14	24	21,127	2,146	129,065	189,118	59,153	68
Wabasha.....	50	224	275,863	67,876	7,497,459	8,317,299	819,840	1,221
Wadena.....	41	88	96,058	8,009	1,138,966	1,383,109	244,143	516
Waseca.....	38	266	319,223	31,254	8,890,962	9,845,879	954,917	2,383
Washington.....	55	1,098	1,080,993	139,842	4,008,513	5,990,949	1,982,436	2,685
Watsonwan.....	31	131	164,082	11,591	2,299,657	2,560,064	296,407	1,438
Wilkin.....	9	138	165,327	1,184	227,252	409,912	182,660	139
Winona.....	102	2,579	2,205,975	505,283	20,436,176	26,384,747	5,945,571	10,823
Wright.....	82	196	170,288	28,623	3,378,990	3,874,507	495,577	1,890
Yellow Medicine.....	28	63	77,336	14,792	1,783,106	2,024,546	241,380	587

* Includes Mower County, to avoid disclosure of individual operations.

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.....	6,225	115,623	100.0	\$1,218,130	100.0	\$335,040	100.0	Mattresses and spring beds, not elsewhere specified.....	9	459	0.4	\$3,872	0.3	\$1,470	0.4
Flour-mill and gristmill products.....	248	6,049	5.2	381,249	31.3	43,376	12.9	Copper, tin, and sheet-iron work.....	128	758	0.6	3,803	0.3	1,740	0.5
Slaughtering and meat packing.....	13	5,231	4.5	146,361	12.0	17,855	5.3	Boxes, wooden packing, except cigar boxes.....	28	695	0.6	3,454	0.3	1,264	0.4
Butter.....	832	1,082	1.7	88,882	7.3	6,951	2.1	Tobacco, cigars and cigarettes.....	216	891	0.8	3,205	0.3	1,733	0.5
Lumber and timber products.....	244	12,602	10.9	37,321	3.1	20,150	6.0	Cheese.....	11	575	0.5	3,199	0.3	1,174	0.4
Cars and general shop construction and repairs by steam-railroad companies.....	75	15,976	13.8	35,351	2.9	22,658	6.8	Artificial stone products.....	171	766	0.7	3,047	0.3	1,763	0.5
Oil, linseed.....	6	483	0.4	33,238	2.7	4,442	1.3	Carriages and wagons, including repairs.....	67	595	0.5	2,970	0.2	1,470	0.4
Foundry and machine-shop products.....	216	6,183	5.3	31,865	2.6	19,151	5.7	Malt.....	7	96	0.1	2,926	0.2	637	0.2
Bread and other bakery products.....	426	2,975	2.6	22,815	1.9	8,809	2.6	Woolen goods.....	11	574	0.5	2,864	0.2	1,084	0.3
Paper and wood pulp.....	9	2,523	2.2	20,138	1.7	8,730	2.6	Cheese.....	66	89	0.1	2,838	0.2	332	0.1
Printing and publishing, newspapers and periodicals.....	701	3,058	2.6	20,089	1.6	14,210	4.2	Paints.....	12	117	0.1	2,512	0.2	901	0.3
Food preparations, not elsewhere specified.....	41	624	0.5	14,707	1.2	4,289	1.3	Agricultural implements.....	16	501	0.4	2,341	0.2	986	0.3
Knit goods.....	16	3,564	3.1	13,985	1.1	6,498	1.9	Brick and tile, terra-cotta, and fire-clay products.....	34	799	0.7	2,293	0.2	1,484	0.4
Printing and publishing, book and job.....	277	3,062	2.6	12,995	1.1	8,644	2.6	Tinware, not elsewhere specified.....	7	455	0.4	2,182	0.2	1,023	0.3
Engines, steam, gas, and water.....	14	1,529	1.3	12,946	1.1	8,367	2.5	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	10	88	0.1	2,108	0.2	231	0.1
Boots and shoes.....	16	2,168	1.9	12,645	1.0	4,902	1.5	Boxes, set-up paper boxes and cartons.....	16	711	0.6	2,086	0.2	1,123	0.3
Coffee, roasting and grinding.....	13	532	0.5	12,186	1.0	1,921	0.6	Millinery and lace goods, not elsewhere specified.....	23	541	0.5	2,068	0.2	1,021	0.3
Lumber, planing-mill products, not including planing mills connected with sawmills.....	94	2,188	1.9	11,804	1.0	5,276	1.6	Condensed milk.....	5	84	0.1	1,865	0.2	282	0.1
Confectionery and ice cream.....	117	1,959	1.7	10,056	0.8	4,368	1.3	Belting, leather.....	3	116	0.1	1,809	0.1	613	0.2
Structural ironwork, not made in steel works or rolling mills.....	19	2,183	1.9	9,953	0.8	4,328	1.3	Canning and preserving, vegetables.....	25	456	0.4	1,792	0.1	727	0.2
Automobile repairing.....	592	1,842	1.6	9,282	0.8	7,119	2.1	Automobile bodies and parts.....	48	405	0.4	1,763	0.1	886	0.3
Fur goods.....	45	905	0.8	8,063	0.7	2,859	0.9	Pickles, preserves, and sauces.....	13	227	0.2	1,708	0.1	444	0.1
Liquors, malt.....	28	1,036	0.9	7,713	0.6	5,666	1.7	Coffins, burial cases, and undertakers' goods.....	7	247	0.2	1,593	0.1	931	0.3
Clothing, men's.....	34	1,561	1.3	7,065	0.6	2,226	0.7	Mineral and soda waters.....	114	213	0.2	1,544	0.1	751	0.2
Furniture.....	59	1,587	1.4	6,805	0.6	3,743	1.1	Steam packing.....	5	208	0.2	1,528	0.1	699	0.2
Coke, not including gas-house coke.....	3	426	0.4	6,469	0.5	1,497	0.6	Chemicals.....	9	162	0.1	1,456	0.1	832	0.2
Patent medicines and compounds.....	51	461	0.4	6,303	0.5	3,581	1.1	Shirts.....	9	253	0.2	1,180	0.1	555	0.2
Gas, illuminating and heating.....	23	707	0.6	5,518	0.5	3,110	0.9	Cars and general shop construction and repairs by electric-railroad companies.....	8	436	0.4	1,065	0.1	625	0.2
Marble and stone work.....	109	1,021	0.9	4,721	0.4	2,819	0.8	Stoves and hot-air furnaces.....	12	236	0.2	1,055	0.1	649	0.2
Electrical machinery, apparatus, and supplies.....	20	942	0.8	4,354	0.4	2,321	0.7	Brass, bronze, and copper products.....	10	213	0.2	1,018	0.1	467	0.1
Saddlery and harness.....	51	436	0.4	4,159	0.3	1,330	0.4	All other industries ¹	691	16,255	14.0	143,813	11.8	51,611	15.4
Signs and advertising novelties.....	31	989	0.8	4,083	0.3	2,841	0.8								
Leather goods, not elsewhere specified.....	11	683	0.6	4,052	0.3	1,495	0.5								

¹ Among the industries for which statistics can not be shown separately without the possibility of disclosing individual operations 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: "Automobiles"; "bags, other than paper, not including bags made in textile mills"; "cement"; "cordage and twine"; "drug grinding"; "gas machines and gas and water meters"; "iron and steel, blast furnaces"; "iron and steel, steel works and rolling mills"; "leather, tanned, curried, and finished"; "mats and matting, from cocoa fiber, grass, and coir"; "oleomargarine and other butter substitutes"; "refrigerators"; "sand and emery paper and cloth"; "shipbuilding, steel"; and "window and door screens and weather strips."

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

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.		CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.	
					Male.	Female.						Male.	Female.
All classes.....	1919	147,678	121,609	26,069	82.3	17.7	Clerks and other subordinate salaried employees.....	1919	20,024	13,288	6,736	66.4	33.6
	1914	115,690	100,158	15,532	86.6	13.4		1914	13,314	10,163	3,151	76.3	23.7
	1909	104,408	90,068	14,348	86.3	13.7		1909	10,497	7,891	2,606	75.2	24.8
Proprietors and officials.....	1919	12,031	11,617	414	96.6	3.4	Wage earners (average number).....	1919	115,623	96,704	18,919	83.6	16.4
	1914	9,542	9,300	242	97.5	2.5		1914	92,834	80,695	12,139	86.0	13.1
	1909	9,142	8,908	234	97.4	2.6		1909	84,767	73,259	11,508	86.4	13.6
Proprietors and firm members.....	1919	5,128	4,943	185	96.4	3.6	16 years of age and over.....	1919	115,261	96,387	18,874	83.6	16.4
	1914	5,233	5,071	162	96.9	3.1		1914	92,560	80,500	12,051	87.0	13.0
	1909	5,376	5,206	170	96.8	3.2		1909	84,461	73,038	11,423	86.5	13.5
Salaried officers of corporations.....	1919	2,416	2,312	104	95.7	4.3	Under 16 years of age.....	1919	362	317	45	87.6	12.4
	1914	1,731	1,681	50	97.1	2.9		1914	274	186	88	67.9	32.1
	1909	1,596	1,560	36	97.7	2.3		1909	306	221	85	72.2	27.8
Superintendents and managers.....	1919	4,487	4,362	125	97.2	2.8							
	1914	2,578	2,548	30	98.8	1.2							
	1909	2,170	2,142	28	98.7	1.3							

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 1914 1909	115,623 92,834 84,767	83.4 86.7 86.2	16.3 13.0 13.5	0.3 0.3 0.4	Foundry and machine-shop products ²	1919 1914	6,360 3,623	98.7 99.6	1.2 0.3	(1) 0.
Agricultural implements.....	1919 1914	501 872	99.2 100.0	0.8	.....	Fur goods.....	1919 1914	905 838	38.2 37.7	61.7 62.3	0.1
Artificial stone products.....	1919 1914	766 738	99.5 99.9	0.4 0.1	0.1	Furniture.....	1919 1914	1,587 1,473	94.6 98.6	5.0 1.0	0.4 0.4
Automobile bodies and parts.....	1919 1914	405 141	97.0 99.3	3.0 0.7	.....	Gas, illuminating and heating.....	1919 1914	707 1,038	99.0 100.0	1.0	.....
Automobile repairing.....	1919 1914	1,842 456	99.2 99.6	0.7 0.2	0.1 0.2	Knit goods.....	1919 1914	3,564 2,088	16.2 14.6	83.8 85.4	(1)
Boots and shoes.....	1919 1914	2,153 2,012	57.0 71.1	42.5 28.2	0.4 0.7	Leather goods, not elsewhere specified ²	1919	683	37.5	62.5	.....
Boxes, set-up paper boxes and cartons.....	1919 1914	711 650	35.9 43.7	62.7 55.4	1.4 0.9	Liquors, malt.....	1919 1914	1,036 2,052	99.7 99.8	0.3 0.2	.....
Boxes, wooden packing, except cigar boxes.....	1919 1914	695 768	90.5 99.7	5.8	3.7	Lumber and timber products.....	1919 1914	12,602 10,814	99.0 99.9	0.9 0.1	0.1
Bread and other bakery products.....	1919 1914	2,975 2,169	61.3 72.2	37.9 27.1	0.8 0.7	Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.	1919 1914	2,188 3,137	98.2 99.4	0.9 0.2	0.9 0.4
Brick and tile, terra-cotta, and fire-clay products.	1919 1914	799 1,215	98.0 100.0	.....	2.0	Marble and stone work.....	1919 1914	1,021 1,579	99.8 100.0	0.1	0.1
Butter.....	1919 1914	1,962 1,426	91.2 97.6	8.6 2.1	0.2 0.3	Mattresses and spring beds, not elsewhere specified.	1919 1914	450 440	84.3 87.3	15.7 12.7	.....
Canning and preserving, vegetables.....	1919 1914	456 317	60.1 59.9	39.9 38.8	..... 1.3	Millinery and lace goods, not elsewhere specified.	1919 1914	541 308	5.4 10.1	94.3 89.0	0.4
Carriages and wagons, including repairs.....	1919 1914	565 838	99.5 99.9	0.5 0.1	.....	Oil, linseed.....	1919 1914	488 400	98.6 100.0	1.4	.....
Cars and general shop construction and re- pairs by electric-railroad companies.	1919 1914	436 435	95.9 100.0	4.1	.....	Paper and wood pulp.....	1919 1914	2,523 1,845	93.1 97.4	6.9 2.6	.....
Cars and general shop construction and re- pairs by steam-railroad companies.	1919 1914	15,976 10,561	98.8 99.9	1.2 (1)	..... (1)	Patent medicines and compounds.....	1919 1914	461 561	44.3 43.8	54.4 56.5	1.3 0.2
Clothing, men's.....	1919 1914	1,561 2,119	15.2 19.3	84.8 80.7	.....	Printing and publishing, book and job.....	1919 1914	3,062 2,901	66.3 71.0	32.8 28.4	0.9 0.6
Coffee, roasting and grinding.....	1919 1914	532 313	52.6 44.4	47.4 55.6	.....	Printing and publishing, newspapers and periodicals.	1919 1914	3,058 2,942	76.7 83.3	21.2 14.9	2.1 1.8
Coke, not including gas-house coke ²	1919	426	99.5	0.5	.....	Saddlery and harness.....	1919 1914	436 530	94.5 94.1	5.3 5.7	0.2 0.2
Confectionery and ice cream.....	1919 1914	1,959 978	34.1 41.7	65.8 58.2	0.1 0.1	Signs and advertising novelties.....	1919 1914	989 238	34.7 62.2	65.3 37.8	.....
Cooperage.....	1919 1914	575 766	97.0 98.0	3.0 2.0	.....	Slaughtering and meat packing.....	1919 1914	5,231 2,565	90.9 97.5	9.1 2.5	.....
Copper, tin, and sheet-iron work.....	1919 1914	758 855	98.8 100.0	0.9	0.3	Structural ironwork, not made in steel works or rolling mills.	1919 1914	2,183 2,058	99.3 99.9	0.6 0.1	0.1
Electrical machinery, apparatus, and sup- plies.	1919 1914	942 286	63.9 94.1	34.8 5.5	1.3 0.4	Tinware, not elsewhere specified ²	1919	455	62.0	38.0	.....
Engines, steam, gas, and water.....	1919 1914	1,529 508	99.4 99.8	0.6 0.2	.....	Tobacco, cigars and cigarettes.....	1919 1914	891 1,261	55.4 69.6	43.5 29.7	1.0 0.7
Flour-mill and gristmill products.....	1919 1914	6,049 4,564	97.1 98.0	2.8 2.0	0.1	Woolen goods.....	1919 1914	574 448	48.3 54.2	51.7 45.5	..... 0.3
Food preparations, not elsewhere specified..	1919 1914	624 426	50.2 45.1	49.7 54.7	0.2 0.2	All other industries.....	1919 1914	18,427 10,842	82.7 75.8	16.8 23.1	0.5 1.1

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

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. ¹	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
Duluth.....	10,472	5,538	6,083	0,381	4,956	5,615	1,075	574	444	16	8	24	\$75,261,387	\$19,720,283	\$17,180,003
Faribault.....	806			612			180			14			10,155,358		
Hibbing.....	50	65		37	56		13	9					320,427	254,400	
Mankato.....	771	755	807	612	637	662	155	118	135	1		10	9,766,306	4,344,114	3,722,736
Minneapolis.....	38,154	28,205	26,062	29,393	22,791	22,822	8,600	5,470	4,074	155	34	66	491,382,975	187,854,159	165,404,680
Rochester.....	359			304			55						2,250,242		
St. Cloud.....	1,908	1,429	626	1,889	1,320	595	80	108	30	23	1	1	7,733,764	2,695,492	2,299,063
St. Paul.....	22,649	19,483	19,339	16,766	15,340	14,563	5,845	4,106	4,742	38	37	44	149,638,290	68,682,206	58,900,025
Winona.....	2,534	2,070	2,032	1,858	1,639	1,630	672	422	306	4	9	6	25,119,522	14,304,780	11,199,622

¹ Excludes Austin and Virginia to avoid disclosure of individual operations.

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.....	114,733	98,336	79,918	93.9	98.2	88.2	July.....	114,430	92,007	84,667	93.6	91.9	93.4
February.....	113,885	106,110	80,909	93.2	100.0	89.3	August.....	116,607	91,128	85,847	95.4	91.0	94.7
March.....	113,326	96,982	82,081	92.7	96.9	90.6	September.....	118,627	89,739	87,643	97.0	89.6	96.7
April.....	110,691	92,417	81,134	90.5	92.3	89.5	October.....	120,020	90,525	90,680	98.2	90.4	100.0
May.....	108,739	92,257	82,952	89.6	92.2	91.5	November.....	120,930	89,202	89,503	98.9	89.1	98.8
June.....	112,458	92,310	85,038	92.0	92.2	93.8	December.....	122,250	88,995	80,896	100.0	88.9	95.9

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.....	115,623	114,703	113,885	113,326	110,691	109,489	112,458	114,430	116,607	118,627	120,020	120,930	122,250	89.6
Males.....	96,704	97,018	95,400	95,083	92,660	91,832	94,275	95,925	96,281	98,972	100,263	100,978	102,271	89.3
Females.....	18,919	<i>17,745</i>	18,485	18,243	18,031	18,157	18,183	18,505	20,326	19,655	19,757	19,952	19,979	87.3
Agricultural implements.....	501	475	485	481	451	<i>448</i>	480	512	511	559	503	544	533	80.1
Artificial stone products.....	786	478	489	522	741	847	943	1,009	951	949	891	753	609	47.4
Automobile bodies and parts.....	405	328	340	361	397	386	403	422	452	422	446	449	474	72.2
Automobile repairing.....	1,842	<i>1,453</i>	1,475	1,550	1,794	1,933	2,014	2,131	2,129	2,058	1,916	1,846	1,755	68.2
Boots and shoes.....	2,153	<i>2,026</i>	2,078	2,062	2,069	2,088	2,102	2,057	2,204	2,231	2,248	2,340	2,333	86.6
Boxes, set-up paper boxes and cartons.....	711	660	600	676	690	705	719	726	734	712	744	770	746	84.4
Boxes, wooden packing, except cigar boxes.....	695	621	642	634	654	668	731	752	773	746	727	705	687	80.3
Bread and other bakery products.....	2,975	2,710	<i>2,699</i>	2,710	2,784	2,798	2,904	3,079	3,179	3,056	3,211	3,300	3,270	81.8
Brick and tile, terra-cotta, and fire-clay products.....	799	<i>548</i>	381	397	616	841	1,077	1,146	1,150	1,115	977	1,880	660	30.3
Butter.....	1,982	<i>1,702</i>	1,707	1,733	1,897	2,125	2,278	2,231	2,228	2,019	1,906	1,802	1,820	74.7
Canning and preserving, vegetables.....	456	72	66	80	131	167	320	573	1,630	1,611	438	254	130	4.0
Carriages and wagons, including repairs.....	595	550	543	551	540	525	621	541	606	592	608	608	598	85.7
Cars and general shop construction and repairs by electric-railroad companies.....	436	445	467	493	438	388	<i>348</i>	430	425	422	434	433	511	67.7
Cars and general shop construction and repairs by steam-railroad companies.....	15,976	16,290	16,279	16,153	15,944	15,853	15,818	15,971	<i>15,190</i>	16,375	15,991	15,922	15,926	92.8
Clothing, men's.....	1,501	<i>1,489</i>	1,325	1,322	1,322	1,367	1,438	1,572	1,762	1,778	1,856	1,834	1,867	69.6
Coffee, roasting and grinding.....	632	528	518	480	480	509	504	582	545	524	531	540	574	82.5
Coke, not including gas-house coke.....	426	469	429	428	412	416	367	401	377	425	450	455	433	76.0
Confectionery and ice cream.....	1,959	1,722	1,805	1,809	1,600	1,600	<i>1,694</i>	1,696	2,083	2,126	2,357	2,429	2,507	63.6
Cooperage.....	575	599	597	553	551	507	557	562	575	589	595	603	602	81.1
Copper, tin, and sheet-iron work.....	768	590	542	592	650	673	733	838	880	897	906	941	878	57.6
Electrical machinery, apparatus, and supplies.....	942	<i>910</i>	925	971	918	918	938	928	924	940	954	937	1,005	91.1
Engines, steam, gas, and water.....	1,529	1,750	1,834	1,709	1,667	1,454	1,459	1,459	1,420	1,380	1,378	1,320	<i>1,154</i>	61.0
Flour-mill and gristmill products.....	6,040	6,228	5,045	<i>5,067</i>	5,881	5,907	5,822	5,715	5,972	6,261	6,490	6,500	6,504	86.2
Food preparations, not elsewhere specified.....	624	574	588	536	542	560	560	651	668	708	768	674	690	69.0
Foundry and machine-shop products.....	6,183	7,463	6,102	5,893	5,974	5,748	<i>5,537</i>	5,827	6,035	6,162	6,434	6,463	6,503	74.2
Furniture.....	905	819	766	765	802	814	845	920	931	1,009	1,019	1,061	1,070	73.4
Gas, illuminating and heating.....	1,587	<i>1,271</i>	1,362	1,442	1,470	1,513	1,535	1,615	1,650	1,692	1,745	1,848	1,892	67.2
Knit goods.....	707	661	632	630	669	751	783	701	681	708	744	751	736	87.7
Leather goods, not elsewhere specified.....	3,534	3,972	4,170	4,171	4,065	3,900	3,712	3,367	3,129	3,087	3,105	3,063	<i>3,039</i>	72.5
Liquors, malt.....	683	632	597	588	595	625	687	703	717	750	813	834	854	70.5
Lumber and timber products.....	1,036	773	790	977	1,024	1,073	1,380	1,341	1,216	971	1,028	1,028	817	58.0
Lumber, planing-mill products, not including planing mills connected with sawmills.....	12,602	15,376	15,810	15,139	11,602	<i>9,763</i>	10,500	10,500	9,937	11,206	12,559	13,473	15,365	61.7
	2,188	<i>1,666</i>	1,609	1,657	1,795	2,076	2,341	2,440	2,537	2,530	2,539	2,586	2,590	60.1

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

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Marble and stone work.....	1,021	<i>819</i>	834	917	968	1,005	1,035	1,080	1,092	1,121	1,135	1,109	1,137	72.0
Mattresses and spring beds, not elsewhere specified.....	459	<i>348</i>	370	401	415	443	478	499	533	502	517	513	491	64.9
Millinery and lace goods, not elsewhere specified.....	541	<i>404</i>	806	564	526	482	417	<i>402</i>	778	615	549	462	487	49.9
Oil, linseed.....	483	<i>461</i>	453	449	454	<i>416</i>	476	577	517	498	500	492	503	72.1
Paper and wood pulp.....	2,523	2,681	2,660	2,545	2,599	2,590	2,556	2,337	2,305	2,372	2,452	2,524	2,655	86.0
Patent medicines and compounds.....	461	<i>398</i>	420	432	442	457	510	541	514	464	479	445	432	73.2
Printing and publishing, book and job.....	3,002	2,911	2,977	3,005	3,027	3,032	3,015	3,012	3,029	3,080	3,134	3,223	3,289	88.2
Printing and publishing, newspapers and periodicals.....	3,058	2,941	2,964	2,964	3,006	3,011	3,006	3,018	3,081	3,096	3,169	3,230	3,210	91.1
Saddlery and harness.....	436	<i>427</i>	438	436	428	417	407	410	434	441	457	458	479	85.0
Signs and advertising novelties.....	989	<i>720</i>	787	837	870	926	963	994	1,059	1,126	1,212	1,212	1,162	59.4
Slaughtering and meat packing.....	5,231	5,843	5,797	5,889	4,866	4,870	4,870	5,091	5,022	4,858	4,953	5,505	6,018	80.7
Structural ironwork, not made in steel works or rolling mills.....	2,183	2,370	2,241	2,253	2,040	1,915	1,748	1,937	2,134	2,257	2,399	2,459	2,443	71.1
Tinware, not elsewhere specified.....	455	<i>369</i>	433	483	431	374	409	437	585	552	465	401	400	63.1
Tobacco, cigars and cigarettes.....	801	<i>861</i>	879	889	891	880	867	849	901	879	912	943	941	90.0
Woolen goods.....	574	<i>580</i>	589	548	563	561	573	588	583	578	580	598	599	90.0
All other industries.....	18,604	17,307	17,269	17,315	17,727	17,988	19,120	19,248	19,823	19,613	19,858	19,261	18,719	87.0
<i>Industries showing large proportion of females.</i>														
Boots and shoes.....	917	<i>901</i>	904	890	870	893	906	871	941	946	957	975	980	87.8
Boxes, set-up paper boxes and cartons.....	451	<i>422</i>	426	438	430	450	453	453	467	444	465	489	469	86.3
Bread and other bakery products.....	1,134	1,015	1,014	1,011	1,059	1,024	1,081	1,176	1,231	1,135	1,271	1,325	1,206	76.3
Clothing, men's.....	1,323	1,111	1,140	1,132	1,125	1,165	1,227	1,344	1,488	1,491	1,554	1,534	1,505	71.0
Coffee, roasting and grinding.....	252	<i>249</i>	246	225	224	243	279	281	257	237	243	250	250	77.0
Confectionery and ice cream.....	1,290	1,183	1,266	1,229	1,089	1,096	993	1,049	1,342	1,351	1,549	1,633	1,700	58.4
Electrical machinery, apparatus, and supplies.....	328	<i>361</i>	365	304	333	328	322	313	297	304	299	316	334	81.4
Food preparations, not elsewhere specified.....	310	<i>310</i>	312	288	276	265	280	325	348	331	341	313	331	76.1
Fur goods.....	558	<i>609</i>	481	478	478	485	513	558	573	629	644	679	660	70.4
Knit goods.....	2,985	3,416	3,575	3,593	3,448	3,288	3,094	2,778	2,562	2,504	2,651	2,513	2,498	69.5
Leather goods, not elsewhere specified.....	427	<i>399</i>	364	367	362	392	403	425	436	452	479	516	535	67.5
Millinery and lace goods, not elsewhere specified.....	512	<i>377</i>	776	536	498	453	391	375	751	535	519	430	453	48.0
Patent medicines and compounds.....	254	<i>203</i>	225	238	239	245	284	317	295	252	271	244	235	64.3
Printing and publishing, book and job.....	1,005	<i>981</i>	988	998	997	1,004	985	977	976	997	1,011	1,049	1,097	89.0
Printing and publishing, newspapers and periodicals.....	656	<i>632</i>	635	685	652	657	646	647	664	643	693	696	659	80.8
Signs and advertising novelties.....	646	<i>449</i>	497	536	565	607	616	642	693	747	815	803	782	65.1
Slaughtering and meat packing.....	475	<i>519</i>	489	497	492	490	458	476	473	420	455	472	449	80.9
Tobacco, cigars and cigarettes.....	388	<i>374</i>	388	391	396	385	375	350	392	384	399	408	408	87.3
Woolen goods.....	297	<i>296</i>	269	278	293	293	295	304	301	301	305	317	312	84.9
Total for cities ¹	77,793	77,718	75,046	75,128	75,200	75,328	76,548	77,900	80,117	80,475	81,383	81,088	80,560	91.8
Males.....	61,080	58,952	58,540	58,861	59,149	59,162	60,539	61,641	62,637	63,534	63,793	63,242	62,670	91.8
Females.....	16,733	16,761	16,506	16,267	16,051	16,166	16,009	16,259	17,480	16,941	17,590	17,846	17,920	88.0
DULUTH.....	10,472	11,174	10,855	10,726	10,020	9,973	10,849	10,646	10,819	10,883	10,581	9,768	9,370	83.9
Males.....	9,394	10,211	9,856	9,728	9,053	8,972	9,815	9,610	9,771	9,749	9,339	8,509	8,115	79.5
Females.....	1,078	963	999	998	967	1,001	1,034	1,036	1,048	1,134	1,242	1,259	1,255	76.5
FAIRBAULT.....	806	727	717	736	753	761	781	826	948	919	829	835	840	75.6
Males.....	625	572	573	594	595	601	615	628	676	663	660	656	663	84.7
Females.....	181	155	144	142	158	160	166	198	273	256	169	179	177	50.9
HIBBING.....	50	45	47	47	51	51	53	51	50	51	51	51	52	84.9
Males.....	37	33	35	35	38	38	40	38	37	38	37	38	38	82.5
Females.....	13	12	12	12	13	13	13	13	13	13	14	14	14	85.7
MANKATO.....	771	802	708	706	761	756	704	752	814	797	859	882	841	80.3
Males.....	613	537	548	546	602	601	545	594	655	643	703	703	679	76.4
Females.....	158	155	160	160	159	155	159	158	159	154	156	159	162	95.1
MINNEAPOLIS.....	38,154	35,889	36,065	36,283	37,229	37,515	37,340	38,216	39,229	39,572	40,073	40,293	40,204	88.9
Males.....	29,620	27,513	27,441	27,583	28,569	28,833	28,913	29,730	30,480	31,216	31,266	31,372	31,324	87.5
Females.....	8,634	8,316	8,624	8,700	8,660	8,682	8,427	8,486	8,749	8,356	8,807	8,921	8,880	93.2
ROCHESTER.....	359	334	344	344	340	345	359	376	364	370	372	381	379	87.7
Males.....	304	285	289	288	288	296	306	317	308	314	311	327	319	87.2
Females.....	55	49	55	56	52	49	53	59	56	56	61	54	60	80.3
SAINT CLOUD.....	1,998	1,907	1,923	1,970	1,976	1,903	1,959	2,079	2,101	2,103	2,145	2,012	1,898	88.7
Males.....	1,912	1,820	1,844	1,893	1,895	1,827	1,880	2,000	2,001	2,003	2,035	1,926	1,814	89.1
Females.....	86	81	79	77	81	76	79	79	100	100	110	86	84	89.1
SAINT PAUL.....	22,649	21,618	21,834	21,802	21,725	21,612	22,124	22,555	23,197	23,235	23,857	24,165	24,164	89.0
Males.....	16,796	16,140	16,114	16,344	16,351	16,214	16,637	16,929	16,854	16,998	17,509	17,733	17,729	90.9
Females.....	5,853	5,378	5,720	5,458	5,374	5,398	5,487	5,626	6,343	6,237	6,348	6,432	6,435	83.5
WINONA.....	2,534	2,487	2,553	2,514	2,345	2,412	2,379	2,399	2,595	2,545	2,616	2,721	2,842	82.5
Males.....	1,859	1,835	1,835	1,850	1,758	1,788	1,738	1,705	1,856	1,910	1,933	1,979	1,989	88.4
Females.....	675	652	718	664	587	624	641	694	739	635	683	742	853	68.8

¹ Excludes Austin and

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	115,623	5,258	8,947	44,940	12,215	10,030	11,517	16,823	5,893
	1914	92,834	(²)	(²)	14,041	8,499	18,116	13,753	35,563	2,862
	1909	84,767	(²)	(²)	7,745	6,452	12,754	14,206	40,103	3,507
Agricultural implements.....	1919	501	(²)	(²)	6	230	14	111	140	.....
	1914	872	(²)	(²)	1	.....	9	179	683	.....
Artificial stone products.....	1919	766	4	1	93	3	232	21	412	.....
	1914	738	(²)	(²)	49	11	234	23	421	.....
Automobile bodies and parts.....	1919	405	21	2	5	138	142	47	50	.....
	1914	141	.....	.....	.....	63	15	44	19	.....
Automobile repairing.....	1919	1,842	1	32	213	203	744	110	518	21
	1914	456	(²)	(²)	36	.....	201	28	149	42
Boots and shoes.....	1919	2,153	5	.....	400	1,299	.....	449	.....	.....
	1914	2,012	(²)	(²)	39	.....	432	779	762	.....
Boxes, set up paper boxes and cartons.....	1919	711	17	7	335	149	203	.....	.....	.....
	1914	650	(²)	(²)	65	137	42	170	236	.....
Boxes, wooden packing, except cigar boxes.....	1919	695	7	.....	.....	62	158	326	142	.....
	1914	768	(²)	(²)	2	8	25	46	687	.....
Bread and other bakery products.....	1919	2,975	29	906	1,201	74	609	19	113	24
	1914	2,169	(²)	(²)	232	74	933	75	776	29
Brick and tile, terra-cotta, and fire-clay products.....	1919	799	.....	.....	132	.....	157	.....	510	.....
	1914	1,215	(²)	(²)	107	11	127	8	955	7
Butter.....	1919	1,962	68	10	497	14	366	74	833	100
	1914	1,426	(²)	(²)	230	18	306	10	796	66
Canning and preserving, vegetables.....	1919	456	13	9	46	4	19	.....	351	14
	1914	317	(²)	(²)	111	13	19	6	122	46
Carriages and wagons, including repairs.....	1919	565	.....	.....	9	8	29	473	46	.....
	1914	838	(²)	(²)	10	27	160	411	230	.....
Cars and general shop construction and repairs by electric-railroad companies.....	1919	436	.....	.....	1	.....	303	.....	121	11
	1914	435	(²)	(²)	7	.....	3	45	369	11
Cars and general shop construction and repairs by steam-railroad companies.....	1919	15,970	.....	5,883	9,565	.....	98	392	39	1
	1914	10,551	(²)	(²)	2,031	1,746	2,257	3,049	1,007	401
Clothing, men's.....	1919	1,501	1,231	.....	244	86	.....	.....	.....	.....
	1914	2,119	(²)	(²)	619	974	473	22	31	.....
Coffee, roasting and grinding.....	1919	532	84	.....	137	75	2	.....	284	.....
	1914	313	(²)	(²)	42	100	61	110	.....	.....
Coke, not including gas-house coke. ³	1919	426	.....	.....	.....	.....	.....	.....	.....	426
Confectionery and ice cream.....	1919	1,959	108	45	672	656	273	65	119	21
	1914	978	(²)	(²)	23	36	436	331	73	79
Cooperage.....	1919	575	.....	.....	22	113	54	236	150	.....
	1914	766	(²)	(²)	129	.....	175	85	377	.....
Copper, tin, and sheet-iron work.....	1919	758	220	15	201	197	42	30	53	.....
	1914	855	(²)	(²)	472	24	141	61	187	.....
Electrical machinery, apparatus, and supplies.....	1919	942	39	.....	14	404	68	417	.....	.....
	1914	236	(²)	(²)	10	76	18	122	.....	1
Engines, steam, gas, and water.....	1919	1,529	.....	32	763	81	86	418	149	.....
	1914	508	.....	.....	.....	20	96	196	196	.....
Flour-mill and gristmill products.....	1919	6,049	16	.....	4,800	29	100	249	646	209
	1914	4,564	(²)	(²)	1,453	.....	904	18	1,646	538
Food preparations, not elsewhere specified.....	1919	624	23	6	133	62	59	232	109	.....
	1914	426	(²)	(²)	6	15	148	179	68	10
Foundry and machine-shop products ⁴	1919	6,360	238	27	1,222	710	1,109	2,596	458	.....
	1914	3,623	(²)	(²)	84	360	653	1,404	1,032	.....
Fur goods.....	1919	905	756	.....	76	16	5	2	20	.....
	1914	838	(²)	(²)	23	472	340	3	.....	.....
Furniture.....	1919	1,587	2	30	87	276	292	507	393	.....
	1914	1,473	(²)	(²)	14	.....	396	212	851	.....
Gas, illuminating and heating.....	1919	707	6	22	5	1	8	631	6	23
	1914	1,038	(²)	(²)	13	.....	18	633	43	331
Knit goods.....	1919	3,564	1	80	403	3,080	.....	.....	.....	.....
	1914	2,088	(²)	(²)	35	32	2,021	.....	.....	.....
Leather goods, not elsewhere specified ³	1919	683	446	.....	237	.....	.....	.....	.....	.....

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, welding" and "machine tools."

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.
Liquors, malt.....	1919 1914	1,086 2,052	(2) (2)	(2) (2)	823 1,057	3 8	59 645	60 347	94 347	..........
Lumber and timber products.....	1919 1914	12,602 16,814	7 (2)	(2) (2)	330 16	43 230	1,553 1,456	221 25	7,698 14,687	2,750 350
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919 1914	2,188 3,137	1 (2)	129 (2)	11 7	302 137	738 187	721 635	286 2,171	..........
Marble and stone work.....	1919 1914	1,021 1,579	288 (2)	(2) (2)	458 971	71 14	128 184	30 197	46 213	..........
Mattresses and spring beds, not elsewhere specified.....	1919 1914	459 440	(2) (2)	(2) (2)	21 6	11 22	11 49	387 63	29 300	..........
Millinery and lace goods, not elsewhere specified.....	1919 1914	541 308	35 (2)	233 (2)	57 4	216 8	295 .....	..... .....	1.....	..........
Oil, linseed.....	1919 1914	483 400	..... .....	..... .....	..... .....	25 140	..... .....	..... .....	248 131	64 269
Paper and wood pulp.....	1919 1914	2,523 1,345	..... .....	..... .....	1,672 .....	..... .....	..... .....	..... .....	544 900	307 445
Patent medicines and compounds.....	1919 1914	461 501	27 (2)	54 (2)	111 74	76 81	173 177	15 215	5 14	..........
Printing and publishing, book and job.....	1919 1914	3,062 2,901	248 (2)	446 (2)	2,224 1,426	135 1,233	8 215	1 14	..... 3	..... 10
Printing and publishing, newspapers and periodicals.....	1919 1914	3,058 2,942	121 (2)	111 (2)	2,285 1,876	211 291	290 553	11 50	28 169	1 3
Saddlery and harness.....	1919 1914	436 530	1 (2)	(2) (2)	143 4	6 116	4 88	257 273	25 49	..........
Signs and advertising novelties.....	1919 1914	989 238	53 (2)	(2) (2)	873 68	50 137	2 10	..... .....	..... 16	5 7
Slaughtering and meat packing.....	1919 1914	5,231 2,565	..... .....	..... .....	5,059 .....	..... 15	103 4	45 8	3 2,588	21
Structural ironwork, not made in steel works or rolling mills.....	1919 1914	2,183 2,068	16 .....	..... .....	1,542	11	375 31	220 1,973	19 54	..........
Tinware, not elsewhere specified ¹	1919	455	.....	.....	8	420	.....	27	.....	.....
Tobacco, cigars and cigarettes.....	1919 1914	891 1,261	222 (2)	121 (2)	355 925	126 210	34 78	1 2	24 40	8
Woolen goods.....	1919 1914	574 448	..... .....	..... .....	269	186	31 114	80 290	8 44	..........
All other industries.....	1919 1914	18,427 10,842	924 (2)	746 (2)	7,180 1,750	2,350 1,735	1,205 3,337	2,036 1,669	2,104 2,134	1,882 217
Total for cities ⁴	1919 1914	77,793 57,635	4,827 (2)	6,317 (2)	32,117 12,207	10,988 7,773	6,712 14,315	9,480 10,484	4,989 11,386	2,357 1,470
DULUTH.....	1919 1914	10,472 5,538	286 (2)	235 (2)	4,925 464	702 308	1,031 1,364	467 797	972 2,264	1,853 341
FARIBAULT.....	1919	806	3	.....	135	7	2	346	271	42
HIBBING.....	1919 1914	50 65	1 (2)	(2) (2)	36 42	..... .....	2 5	3	5 18	3
MANKATO.....	1919 1914	771 755	5 (2)	(2) (2)	244 55	95 24	63 239	156 9	208 397	..... 31
MINNEAPOLIS.....	1919 1914	38,154 28,295	1,876 (2)	4,066 (2)	15,232 6,403	6,288 1,612	3,043 9,013	5,367 5,404	1,941 5,359	341 444
ROCHESTER.....	1919	359	.....	72	174	.....	61	23	29	.....
ST. CLOUD.....	1919 1914	1,998 1,429	158 (2)	326 (2)	1,206 486	19 96	163 95	14 49	33 678	19 25
ST. PAUL.....	1919 1914	22,649 19,453	2,449 (2)	1,598 (2)	8,997 4,592	3,453 6,230	1,964 2,980	2,666 3,667	1,397 2,406	95 608
WINONA.....	1919 1914	2,534 2,070	49 (2)	20 (2)	1,107 165	424 503	383 619	414 498	133 264	4 21

¹ Includes 48 and under for 1914 and 1919.
² Corresponding figures not available.

³ Not shown separately in 1914.

⁴ Excludes Austin and Virginia to avoid disclosure of individual operations.

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

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries.....	6,225	115,623	771	3,707	7,318	992	11,129	383	12,284	167	11,748	127	19,300	48	15,895	18	12,633	12	25,366
Agricultural implements.....	16	501	10	5	14	5	56	4	141	2	290	2	290	2	290	2	290	2	290
Artificial stone products.....	171	766	10	128	235	24	254	9	277	24	254	9	277	24	254	9	277	24	254
Automobile bodies and parts.....	48	405	9	26	63	7	89	5	167	1	86	1	86	1	86	1	86	1	86
Automobile repairing.....	592	1,842	21	500	996	63	607	8	239	8	239	8	239	8	239	8	239	8	239
Boots and shoes.....	16	2,153	2	6	2	31	1	43	3	225	5	718	2	542	1	588	1	588	1
Boxes, set-up paper boxes and cartons.....	16	711	3	14	7	92	3	87	1	64	1	203	1	251	1	251	1	251	1
Boxes, wooden packing, except cigar boxes.....	28	695	9	23	9	105	7	252	2	180	1	135	1	135	1	135	1	135	1
Bread and other bakery products.....	426	2,075	77	279	553	51	493	11	305	3	174	2	290	3	1,160	3	1,160	3	1,160
Brick and tile, terra-cotta, and fire-clay products.....	34	799	5	15	20	204	5	165	3	210	1	145	1	145	1	145	1	145	1
Butter.....	832	1,982	37	754	1,177	31	320	8	263	1	76	1	126	1	126	1	126	1	126
Canning and preserving, vegetables.....	25	456	2	5	17	231	5	138	1	82	1	82	1	82	1	82	1	82	1
Carriages and wagons, including repairs.....	67	565	16	41	78	6	60	1	84	3	343	3	343	3	343	3	343	3	343
Cars and general shop construction and repairs by electric-railroad companies.....	8	436	4	9	2	23	2	23	1	105	1	105	1	105	1	105	1	105	1
Cars and general shop construction and repairs by steam-railroad companies.....	75	15,976	14	32	11	135	11	326	10	765	13	2,147	5	1,656	8	5,035	3	5,280	3
Clothing, men's.....	34	1,561	6	20	8	96	14	494	3	232	2	395	1	324	1	324	1	324	1
Coffee, roasting and grinding.....	13	532	1	2	7	59	2	67	2	120	2	120	2	120	2	120	2	120	2
Coke, not including gas-house coke.....	3	426	1	1	2	2	2	2	1	91	2	335	1	284	1	284	1	284	1
Confectionery and ice cream.....	117	1,959	18	53	118	27	347	9	255	6	396	3	449	1	394	1	394	1	394
Cooperage.....	11	575	1	1	2	5	176	2	131	2	266	2	266	2	266	2	266	2	266
Copper, tin, and sheet-iron work.....	128	758	12	86	193	23	241	5	182	2	142	2	142	2	142	2	142	2	142
Electrical machinery, apparatus, and supplies.....	20	942	2	6	23	5	52	2	55	3	173	2	173	2	173	2	173	2	173
Engines, steam, gas, and water.....	14	1,529	2	8	2	27	4	140	3	241	1	138	1	273	1	702	1	702	1
Flour-mill and gristmill products.....	248	6,049	23	151	334	31	346	23	661	12	823	4	550	2	703	2	703	2	703
Food preparations, not elsewhere specified.....	41	624	2	22	51	9	94	4	127	3	180	1	172	1	172	1	172	1	172
Foundry and machine-shop products.....	216	6,183	15	74	179	76	901	28	866	9	657	9	1,331	4	1,344	1	905	1	905
Fur goods.....	45	905	2	22	59	15	176	2	65	2	106	1	229	1	270	1	270	1	270
Furniture.....	59	1,587	3	18	52	14	181	16	590	4	309	4	455	1	420	1	420	1	420
Gas, illuminating and heating.....	23	707	1	4	7	7	73	1	43	1	74	1	158	1	354	1	354	1	354
Knit goods.....	16	3,564	1	4	6	12	133	3	72	4	275	2	336	1	344	1	344	1	344
Leather goods, not elsewhere specified.....	11	683	1	6	28	12	133	3	72	4	275	2	336	1	344	1	344	1	344
Liquors, malt.....	28	1,036	1	6	28	12	133	3	72	4	275	2	336	1	344	1	344	1	344
Lumber and timber products.....	244	12,602	8	139	246	43	486	20	644	9	687	15	2,157	5	1,501	4	3,136	1	3,745
Lumber, planing-mill products, not including planing mills connected with sawmills.....	94	2,188	8	36	67	22	281	12	404	11	729	5	707	1	122	1	122	1	122
Marble and stone work.....	109	1,021	10	55	119	20	205	14	410	3	165	1	122	1	122	1	122	1	122
Mattresses and spring beds, not elsewhere specified.....	9	459	1	1	2	3	40	2	74	1	80	2	263	2	263	2	263	2	263
Millinery and lace goods, not elsewhere specified.....	23	541	13	21	7	89	2	50	2	137	2	296	2	296	2	296	2	296	2
Oil, linseed.....	6	483	1	1	2	5	176	2	131	2	266	2	266	2	266	2	266	2	266
Paper and wood pulp.....	9	2,523	9	24	39	14	140	3	109	3	173	1	173	1	173	1	173	1	173
Patent medicines and compounds.....	51	461	9	24	39	14	140	3	109	3	173	1	173	1	173	1	173	1	173
Printing and publishing, book and job.....	277	3,062	52	123	279	66	761	26	876	6	403	3	341	1	402	1	402	1	402
Printing and publishing, newspapers and periodicals.....	701	3,058	211	417	798	57	598	7	212	4	284	3	473	2	693	1	693	1	693
Saddlery and harness.....	51	436	7	36	47	1	19	4	127	3	243	1	171	1	171	1	171	1	171
Signs and advertising novelties.....	31	989	1	20	48	5	52	1	43	2	123	1	144	1	362	1	362	1	362
Slaughtering and meat packing.....	13	5,231	3	8	2	23	3	90	1	92	1	144	1	362	1	362	1	362	1
Structural ironwork, not made in steel works or rolling mills.....	19	2,183	4	8	9	97	1	25	2	122	2	300	1	337	1	337	1	337	1
Tinware, not elsewhere specified.....	7	455	2	2	2	19	1	27	1	72	1	111	1	206	1	206	1	206	1
Tobacco, cigars and cigarettes.....	216	891	86	101	212	24	290	2	66	1	53	2	270	1	111	1	206	1	206
Woolen goods.....	11	574	3	9	4	58	2	66	1	53	2	270	1	111	1	206	1	206	1
All other industries.....	973	18,604	121	492	1,079	215	2,390	85	2,736	31	2,126	21	3,564	6	2,066	2	4,643	2	4,643
Total for cities ¹	2,776	77,793	327	1,214	2,825	685	7,790	283	9,173	122	8,531	87	13,310	39	12,837	11	7,545	8	15,782
DULUTH.....	226	10,472	17	85	213	65	733	23	715	17	1,167	14	2,109	3	892	2	4,643	2	4,643
FARIBAULT.....	53	806	3	33	65	10	109	3	125	3	255	1	252	1	252	1	252	1	252
HIBBING.....	16	50	4	9	20	3	30	1	30	1	30	1	30	1	30	1	30	1	30
MANKATO.....	56	771	10	23	60	12	140	7	204	4	298	4	298	4	298	4	298	4	298
MINNEAPOLIS.....	1,421	38,154	158	642	1,497	352	3,982	143	4,621	60	4,063	40	5,088	19	6,352	1	512	6	11,139
ROCHESTER.....	41	359	7	22	53	10	108	1	24	1	24	1	174	1	326	1	795	1	795
St. CLOUD.....	72	1,998	5	29	80	22	271	13	404	32	2,318	28	4,490	14	4,621	8	5,612	1	5,612
St. PAUL.....	818	22,649	115	346	780	195	2,225	80	2,603	32	2,318	28	4,490	14	4,621	8	5,612	1	5,612
WINONA.....	73	2,534	8	25	57	16	183	13	417	6	430	3	427	1	394	1	626	1	626

¹ Excludes Austin and Virginia to avoid disclosure of individual operations.

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	6,225	5,974	5,561	115,023	92,834	84,767	\$1,218,129,785	\$493,354,136	\$409,419,621	\$385,039,958	\$156,504,922	\$127,797,534
Less than \$5,000	1,541	2,046	1,969	1,009	2,108	2,194	4,053,239	5,094,063	4,603,743	2,674,854	3,358,140	3,080,907
\$5,000 to \$20,000	1,753	1,894	1,743	4,507	7,238	6,767	21,302,797	19,742,774	18,742,090	13,440,914	10,370,932	9,419,792
\$20,000 to \$100,000	1,850	1,476	1,347	13,228	15,170	14,180	90,269,656	63,585,461	56,703,495	31,841,810	23,117,977	20,748,523
\$100,000 to \$500,000	783	407	437	24,092	38,311	37,726	157,105,175	83,521,085	130,802,555	58,274,724	56,613,265	51,618,590
\$500,000 to \$1,000,000	132	79		14,509			93,621,686	55,156,041		36,378,265		
\$1,000,000 and over	166	72	65	58,278	30,007	23,900	851,777,182	260,254,712	198,507,729	192,429,391	63,044,608	42,929,522
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	24.8	34.2	35.4	0.9	2.3	2.6	0.3	1.0	1.1	0.8	2.1	2.4
\$5,000 to \$20,000	28.2	31.7	31.3	3.9	7.8	8.0	1.7	4.0	4.6	4.0	6.0	7.4
\$20,000 to \$100,000	29.7	24.7	24.2	11.4	16.3	16.7	7.4	12.9	13.8	9.5	14.8	16.2
\$100,000 to \$500,000	12.6	6.8		20.8			12.9	17.9		17.4		40.4
\$500,000 to \$1,000,000	2.1	1.3	7.9	12.5	41.3	44.5	7.7	11.4	31.9	10.9		
\$1,000,000 and over	2.7	1.2	1.2	50.4	32.3	28.2	69.9	52.8	48.5	57.4	40.3	33.6

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.
BOOTS AND SHOES	16	14	100.0	2,153	2,012	100.0	\$12,644,659	\$5,918,031	100.0	\$4,901,556	\$1,937,639	100.0
\$20,000 to \$100,000	14	4	25.0	137	63	1.7	165,253	172,583	1.3	153,297	93,257	1.1
\$100,000 to \$500,000	4	5	25.0	281	1,949	13.1	1,287,405	1,659,415	10.2	682,274	1,844,382	13.9
\$500,000 to \$1,000,000	5	8	31.2	752		34.9	4,003,671	4,086,033	31.7	1,457,794		29.7
\$1,000,000 and over	3		18.8	1,083		50.3	7,188,330		56.8	2,708,191		55.3
BREAD AND OTHER BAKERY PRODUCTS	426	443	100.0	2,975	2,169	100.0	22,815,456	8,724,162	100.0	8,809,372	3,929,774	100.0
Less than \$5,000	78	172	18.3	34	118	1.1	221,469	522,307	1.0	90,252	257,057	1.0
\$5,000 to \$20,000	108	212	46.5	275	553	9.2	2,129,293	2,068,581	9.3	784,661	937,066	8.9
\$20,000 to \$100,000	126	47	29.6	680	427	22.9	5,032,207	1,789,884	22.1	1,716,888	723,036	19.5
\$100,000 to \$500,000	419	9	4.5	4,536	1,071	18.0	4,990,021	1,804,978	21.9	1,743,166	2,012,585	19.8
\$500,000 to \$1,000,000		8	0.7				2,496,412		28.0			
\$1,000,000 and over	5		1.2	1,450		48.7	10,442,473		45.8	4,474,425		50.8
BUTTER	832	773	100.0	1,962	1,426	100.0	88,882,271	33,294,003	100.0	6,951,120	2,632,801	100.0
Less than \$5,000	7	27	0.8	1	14	0.1	21,883	85,956	0.3	4,069	10,165	0.1
\$5,000 to \$20,000	53	220	6.4	30	209	1.5	717,502	3,038,415	0.8	79,927	330,527	1.1
\$20,000 to \$100,000	532	488	63.9	719	817	36.6	29,702,947	20,136,706	33.4	2,111,150	1,759,793	30.4
\$100,000 to \$500,000	222	34	26.7	706	886	27.1	36,541,071	6,658,733	41.1	2,225,219	832,316	32.0
\$500,000 to \$1,000,000	12	4	0.5	196		10.0	9,075,211	3,374,193	10.2	1,169,266		16.7
\$1,000,000 and over	6		0.7	310		15.8	12,823,657		14.4	1,371,499		19.7
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES	75	38	100.0	15,976	10,551	100.0	35,350,764	14,594,018	100.0	22,658,210	8,266,790	100.0
Less than \$5,000	8		10.7	10		0.1	18,983		0.1	14,500		0.1
\$5,000 to \$20,000	8	3	10.7	37	21	0.2	104,676	23,361	0.3	62,973	14,515	0.3
\$20,000 to \$100,000	20	13	26.7	440	455	2.8	983,611	728,611	2.8	728,972	439,736	3.2
\$100,000 to \$500,000	22	13	29.3	2,787	6,250	17.4	5,535,273	3,381,087	15.7	3,881,343	4,763,030	17.1
\$500,000 to \$1,000,000	6	8	8.0	1,781		11.1	3,933,701	4,611,267	11.1	2,792,438		12.3
\$1,000,000 and over	11	3	14.7	10,915	3,825	36.3	24,774,520	5,849,742	70.1	15,177,984	3,049,509	67.0
CLOTHING, MEN'S	34	32	100.0	1,561	2,119	100.0	7,065,358	4,738,607	100.0	2,228,556	1,614,680	100.0
Less than \$5,000		3	9.4		8	0.4		9,460	0.2		8,014	0.5
\$5,000 to \$20,000	17	6	20.6	132	66	2.0	61,161	67,505	0.9	159,179	48,569	2.7
\$20,000 to \$100,000	11	13	32.4	224	462	14.3	562,943	708,908	8.0	244,839	288,177	11.0
\$100,000 to \$500,000	12	6	35.3	486	1,583	31.1	2,867,343	1,105,366	40.6	1,171,630	2,209,920	52.6
\$500,000 and over	4	4	11.8	819		52.5	3,674,111	2,849,278	50.6	750,008		33.7
CONFECTIONERY AND ICE CREAM	117	102	100.0	1,959	978	100.0	10,055,805	3,876,914	100.0	4,368,205	1,632,507	100.0
Less than \$5,000	23	28	19.7	10	25	0.5	55,275	65,887	0.5	27,336	36,154	0.6
\$5,000 to \$20,000	28	30	23.9	56	100	2.9	277,511	340,606	2.8	111,817	108,397	2.6
\$20,000 to \$100,000	45	27	38.5	420	309	21.4	1,910,342	1,209,602	19.0	842,313	534,234	19.3
\$100,000 to \$500,000	15	11	12.8	863	544	44.1	3,329,548	2,280,819	33.1	1,499,892	893,722	34.3
\$500,000 and over	6		5.1	610		31.1	4,483,129		44.6	1,886,842		43.2

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

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

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

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

5 Less than one-tenth of 1 per cent.

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

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.				
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		
			1919	1914			1919	1914			1919	1914			1919	1914	
FLOUR-MILL AND GRISTMILL PRODUCTS.....	248	286	100.0	100.0	6,049	4,564	100.0	100.0	\$381,248,891	\$148,243,708	100.0	100.0	\$43,376,379	\$20,929,137	100.0	100.0	
Less than \$5,000.....	9	17	3.6	5.9	3	8	(1)	0.2	28,149	49,388	(1)	(1)	6,654	14,198	(1)	0.1	
\$5,000 to \$20,000.....	24	55	9.7	19.2	15	59	0.2	1.3	319,507	686,228	0.1	0.5	54,386	138,387	0.1	0.7	
\$20,000 to \$100,000.....	104	131	41.9	45.8	192	347	3.2	7.6	5,692,696	6,074,304	1.5	4.1	841,143	1,033,926	1.9	4.9	
\$100,000 to \$500,000.....	57	47	23.0	16.4	308	2,048	5.1	14.2	11,026,747	10,462,497	2.9	7.1	1,350,294	2,310,184	3.1	11.0	
\$500,000 to \$1,000,000.....	6	11	2.4	3.9	84	.....	1.4	.....	4,176,771	8,132,086	1.1	5.5	450,399	.....	1.0	.....
\$1,000,000 and over.....	48	25	19.4	8.7	5,447	3,502	90.0	76.7	300,005,021	122,839,205	94.4	82.9	40,673,503	17,432,442	93.8	83.3	
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED.....	41	27	100.0	100.0	624	426	100.0	100.0	14,706,653	4,978,745	100.0	100.0	4,288,519	1,929,386	100.0	100.0	
Less than \$5,000.....	7	9	17.1	33.3	7	8	1.1	1.9	17,761	20,741	0.1	0.5	8,519	14,357	0.2	0.7	
\$5,000 to \$20,000.....	10	6	24.4	22.2	19	27	3.0	6.3	119,901	70,861	0.8	1.4	45,431	17,536	1.1	0.9	
\$20,000 to \$100,000.....	12	8	29.3	29.0	71	88	11.4	20.7	521,333	504,305	3.5	10.1	188,034	159,161	4.4	8.2	
\$100,000 to \$500,000.....	8	4	19.5	14.8	185	303	29.6	71.1	1,883,303	4,376,838	12.8	87.9	682,723	1,738,332	15.9	90.1	
\$500,000 and over.....	4	.....	9.8	.....	342	.....	54.8	.....	12,164,355	.....	82.7	.....	3,363,812	.....	78.4	.....
FOUNDRY AND MACHINE-SHOP PRODUCTS.....	231	205	100.0	100.0	6,360	3,623	100.0	100.0	32,787,137	10,549,183	100.0	100.0	10,830,311	5,889,644	100.0	100.0	
Less than \$5,000.....	31	61	13.4	29.8	17	95	0.3	2.6	78,078	173,794	0.2	1.6	56,033	124,086	0.3	2.1	
\$5,000 to \$20,000.....	63	70	27.3	34.1	183	303	3.0	10.0	630,119	727,513	1.9	6.9	438,050	508,748	2.2	8.6	
\$20,000 to \$100,000.....	83	53	35.9	25.9	996	802	15.7	23.8	3,912,203	2,164,383	11.9	20.5	2,290,458	1,240,970	11.6	21.2	
\$100,000 to \$500,000.....	39	15	16.9	7.3	1,591	2,303	25.0	63.0	7,923,102	2,090,713	24.2	28.4	4,485,479	2,400,240	22.6	68.1	
\$500,000 to \$1,000,000.....	8	6	3.5	2.9	1,119	.....	17.6	.....	5,181,747	4,480,780	15.8	42.5	3,017,983	.....	15.2	.....
\$1,000,000 and over.....	7	.....	3.0	.....	2,449	.....	38.5	.....	15,055,888	.....	45.9	.....	9,541,708	.....	48.1	.....
FUR GOODS.....	45	36	100.0	100.0	905	838	100.0	100.0	8,062,860	4,207,468	100.0	100.0	2,858,587	1,530,828	100.0	100.0	
Less than \$5,000.....	6	10	13.3	27.8	4	7	0.4	0.8	16,211	24,901	0.2	0.6	9,933	19,023	0.3	1.2	
\$5,000 to \$20,000.....	11	8	24.4	22.2	40	35	4.4	4.2	102,168	94,457	1.3	2.2	68,903	43,125	2.4	2.8	
\$20,000 to \$100,000.....	18	12	40.0	33.3	131	178	14.5	21.2	761,265	489,682	9.4	11.6	368,014	270,084	12.9	17.6	
\$100,000 and over.....	10	6	22.2	16.7	730	618	80.7	73.7	7,183,216	3,598,338	89.1	85.5	2,411,737	1,198,596	84.4	78.3	
LUMBER AND TIMBER PRODUCTS.....	244	318	100.0	100.0	12,002	16,814	100.0	100.0	37,321,051	32,412,302	100.0	100.0	20,150,453	16,432,885	100.0	100.0	
Less than \$5,000.....	103	161	42.2	50.6	111	292	0.9	1.7	250,812	320,942	0.7	1.0	177,383	233,010	0.9	1.4	
\$5,000 to \$20,000.....	59	80	24.2	25.2	281	808	2.2	4.8	600,921	838,054	1.6	2.6	449,055	617,604	2.2	3.8	
\$20,000 to \$100,000.....	41	39	16.8	12.3	801	1,201	6.4	7.1	2,029,719	1,601,868	5.4	4.9	1,365,177	1,074,876	6.8	6.5	
\$100,000 to \$500,000.....	25	23	10.2	7.2	2,275	5,047	18.1	30.0	6,345,425	5,447,119	17.0	16.8	3,975,006	2,420,687	19.7	29.4	
\$500,000 to \$1,000,000.....	7	6	2.9	1.9	1,320	.....	10.5	.....	4,725,582	4,313,137	12.7	13.3	2,681,632	.....	13.1	.....
\$1,000,000 and over.....	9	9	3.7	2.8	7,814	9,466	62.0	56.3	23,368,592	19,891,182	62.6	61.4	11,551,600	9,680,708	57.3	58.0	
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAW-MILLS.....	94	100	100.0	100.0	2,188	3,137	100.0	100.0	11,804,380	9,463,993	100.0	100.0	5,276,173	4,202,128	100.0	100.0	
Less than \$5,000.....	21	19	22.3	19.0	10	12	0.5	0.4	52,968	42,593	0.4	0.5	25,203	22,315	0.5	0.5	
\$5,000 to \$20,000.....	17	21	18.1	21.0	36	63	1.6	2.0	181,114	177,083	1.5	1.9	79,268	89,800	1.5	2.1	
\$20,000 to \$100,000.....	28	31	29.8	31.0	343	537	15.7	17.1	1,570,714	1,538,942	13.3	16.2	736,770	643,531	14.0	15.3	
\$100,000 to \$500,000.....	21	29	22.3	29.0	1,039	2,525	47.5	80.5	4,756,489	7,709,475	40.3	81.5	2,235,114	2,446,422	42.4	82.0	
\$500,000 to \$1,000,000.....	7	.....	7.4	.....	760	.....	34.7	.....	5,243,045	.....	44.4	.....	2,169,818	.....	41.7	.....
PRINTING AND PUBLISHING, BOOK AND JOB.....	277	258	100.0	100.0	3,062	2,901	100.0	100.0	12,994,804	7,652,223	100.0	100.0	8,644,155	5,541,263	100.0	100.0	
Less than \$5,000.....	79	96	28.5	37.2	34	72	1.1	2.5	199,501	218,652	1.5	2.9	134,346	164,028	1.6	3.0	
\$5,000 to \$20,000.....	96	92	34.7	35.7	279	404	9.1	13.9	1,101,979	924,832	8.5	12.1	735,105	666,550	8.5	12.0	
\$20,000 to \$100,000.....	67	56	24.2	21.7	821	1,046	26.8	36.1	3,171,429	2,440,599	24.4	31.9	2,027,323	1,672,994	23.5	30.2	
\$100,000 to \$500,000.....	32	14	11.6	5.4	1,295	1,379	42.3	47.5	5,747,635	4,068,140	44.2	53.2	3,654,501	3,037,691	42.3	54.8	
\$500,000 and over.....	3	.....	1.1	.....	633	.....	20.7	.....	2,774,260	.....	21.3	.....	2,092,880	.....	24.2	.....
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	701	705	100.0	100.0	3,058	2,942	100.0	100.0	20,088,590	11,927,678	100.0	100.0	14,209,849	8,685,303	100.0	100.0	
Less than \$5,000.....	363	456	51.8	64.7	240	493	7.8	16.8	980,976	1,147,899	4.9	9.6	745,689	929,572	5.2	10.7	
\$5,000 to \$20,000.....	239	187	34.1	26.5	544	575	17.8	19.5	2,171,141	1,669,669	10.8	14.0	1,695,707	1,403,189	11.9	16.2	
\$20,000 to \$100,000.....	82	47	11.7	6.7	648	385	21.2	13.1	3,180,062	1,722,868	15.8	14.4	2,432,120	1,363,608	17.1	15.7	
\$100,000 to \$500,000.....	10	11	1.4	1.6	381	635	10.8	21.6	2,780,331	2,534,288	13.8	21.2	2,197,709	1,901,487	15.5	21.9	
\$500,000 to \$1,000,000.....	6	.....	1.0	.....	1,295	.....	42.3	.....	10,976,080	.....	54.6	.....	7,138,635	.....	50.2	.....
\$1,000,000 and over.....	4	0.6	854	20.0	4,852,954	40.7	3,087,467	35.5
SLAUGHTERING AND MEAT PACKING.....	13	19	100.0	100.0	5,281	2,565	100.0	100.0	146,361,046	47,535,803	100.0	100.0	17,855,069	5,944,308	100.0	100.0	
Less than \$20,000.....	3	3	15.8	8	0.3	26,940	0.1	11,053	0.2
\$20,000 to \$100,000.....	6	6	23.1	31.6	14	38	0.3	1.3	171,562	494,619	0.1	0.9	48,661	51,651	0.3	0.9	
\$100,000 to \$500,000.....	8	6	23.1	31.6	38	117	0.7	4.6	1,131,219	2,132,747	0.8	4.5	124,039	278,325	0.7	4.7	
\$1,000,000 and over.....	7	4	53.8	21.1	5,179	2,407	99.0	93.8	145,058,265	44,941,497	99.1	94.5	17,682,369	5,603,279	99.0	94.3	

1 Less than one-tenth of 1 per cent.

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

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

4 Includes "iron and steel, welding" and "machine tools."

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

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

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

CITY AND VALUE OF PRODUCT. ¹	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT. ¹	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.
DULUTH.....	226	10,472	100.0	\$75,261,387	100.0	\$32,231,933	100.0	ROCHESTER.....	41	359	100.0	\$2,250,242	100.0	\$943,433	100.0
Less than \$5,000.....	26	18	0.2	72,471	0.1	44,693	0.1	Less than \$5,000.....	11	4	1.1	18,110	0.8	11,091	1.2
\$5,000 to \$20,000.....	62	200	1.9	690,551	0.9	417,516	1.3	\$5,000 to \$20,000.....	13	32	8.9	146,093	6.5	74,126	7.9
\$20,000 to \$100,000.....	73	718	6.9	3,463,412	4.6	1,926,775	6.0	\$20,000 to \$100,000.....	11	85	23.7	889,621	17.3	198,976	21.1
\$100,000 to \$500,000.....	37	1,679	16.0	7,941,816	10.6	4,168,063	12.9	\$100,000 and over.....	6	238	66.3	1,696,418	75.4	659,240	69.9
\$500,000 to \$1,000,000.....	15	1,755	16.8	9,923,891	13.2	3,752,847	11.6	St. CLOUD.....	72	1,998	100.0	7,733,764	100.0	3,266,540	100.0
\$1,000,000 and over.....	13	6,102	58.3	53,179,246	70.7	21,922,039	68.0	Less than \$5,000.....	7	3	0.2	21,701	0.3	14,508	0.4
FARIBAULT.....	53	806	100.0	10,155,358	100.0	2,076,674	100.0	\$5,000 to \$20,000.....	23	75	3.8	240,285	3.1	142,136	4.4
Less than \$5,000.....	12	10	1.2	35,045	0.3	23,903	1.2	\$20,000 to \$100,000.....	27	320	16.3	1,229,854	15.9	677,837	20.8
\$5,000 to \$20,000.....	20	63	7.8	210,465	2.1	115,497	5.6	\$100,000 to \$500,000.....	12	758	37.9	2,397,719	31.0	1,286,921	39.4
\$20,000 to \$100,000.....	12	77	9.6	587,269	5.8	227,003	10.9	\$1,000,000 and over.....	3	836	41.8	3,844,705	49.7	1,145,138	35.1
\$100,000 and over.....	9	656	81.4	9,322,589	91.8	1,710,271	82.4	St. PAUL.....	818	22,649	100.0	149,638,290	100.0	64,407,830	100.0
HIBBING.....	16	50	100.0	320,427	100.0	162,746	100.0	Less than \$5,000.....	172	79	0.3	390,350	0.3	263,289	0.4
Less than \$5,000.....	5	3	6.0	14,697	4.6	8,916	5.8	\$5,000 to \$20,000.....	231	574	2.5	2,533,439	1.7	1,497,010	2.3
\$5,000 to \$20,000.....	5	18.0	36.0	68,679	21.4	26,254	17.2	\$20,000 to \$100,000.....	232	2,454	10.8	10,947,363	7.3	5,740,191	8.9
\$20,000 to \$100,000.....	6	38	76.0	237,051	74.0	117,576	77.0	\$100,000 to \$500,000.....	115	4,361	19.3	24,748,619	16.5	11,913,952	18.5
MANKATO.....	56	771	100.0	9,766,306	100.0	1,814,261	100.0	\$500,000 to \$1,000,000.....	29	3,434	15.2	21,861,736	14.3	8,533,001	13.2
Less than \$5,000.....	15	7	0.9	36,032	0.4	19,231	1.1	\$1,000,000 and over.....	39	11,747	51.9	89,647,783	59.9	36,620,387	56.6
\$5,000 to \$20,000.....	12	42	5.4	136,381	1.4	71,531	3.9	WINONA.....	73	2,534	100.0	25,119,522	100.0	5,846,416	100.0
\$20,000 to \$100,000.....	18	244	31.6	722,427	7.4	389,903	21.5	Less than \$5,000.....	8	4	0.2	21,675	0.1	12,802	0.2
\$100,000 and over.....	11	478	62.0	8,871,466	90.8	1,333,591	73.5	\$5,000 to \$20,000.....	16	32	1.3	184,029	0.7	91,399	1.6
MINNEAPOLIS.....	1,421	38,154	100.0	491,382,975	100.0	128,548,940	100.0	\$20,000 to \$100,000.....	26	812	42.2	1,442,678	5.7	598,788	10.2
Less than \$5,000.....	247	135	0.4	665,707	0.1	439,576	0.3	\$100,000 to \$500,000.....	18	1,119	44.2	4,834,737	19.2	1,990,190	34.0
\$5,000 to \$20,000.....	423	1,122	2.9	7,698,506	1.6	5,887,388	4.6	\$1,000,000 and over.....	5	1,007	42.1	18,656,403	74.3	3,163,237	53.9
\$20,000 to \$100,000.....	438	4,139	10.8	20,253,921	4.1	10,887,132	8.5								
\$100,000 to \$500,000.....	218	8,359	21.9	43,655,451	8.9	22,518,053	17.5								
\$500,000 to \$1,000,000.....	45	4,492	11.8	30,931,632	6.3	13,311,117	10.4								
\$1,000,000 and over.....	50	19,907	52.2	383,177,698	78.0	75,505,669	58.7								

¹ Excludes Austin and Virginia to avoid disclosure of individual operations.² Includes the group "\$500,000 to \$1,000,000."

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.							
		Indi- vid- 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.	Corpora- tions.	All others.	Indi- vid- u-als.	Corpora- tions.	All oth- ers.
All industries.....	1919	2,653	1,809	1,763	115,623	7,827	99,983	7,813	6.8	86.5	6.8	\$1,218,129,735	\$48,556,598	\$1,069,259,122	\$100,314,015	4.0	87.8	8.2
	1914	2,825	1,483	1,666	92,834	8,502	75,840	8,492	9.2	81.7	9.1	493,354,136	31,330,735	414,730,487	47,292,914	6.4	84.1	9.6
	1909	2,654	1,326	1,581	84,767	9,123	67,475	8,169	10.8	79.6	9.6	409,419,621	37,022,048	330,924,567	41,478,006	9.0	80.8	10.1
Automobile repairing.....	1919	288	71	283	1,842	674	550	618	36.6	29.9	33.6	9,282,481	2,303,878	4,871,096	2,107,507	24.8	52.5	22.7
	1914	77	22	51	456	162	129	165	35.5	28.3	36.2	1,070,221	400,656	283,307	392,258	37.2	26.3	36.4
Bread and other bakery products.	1919	318	47	61	2,975	688	2,059	228	23.1	69.2	7.7	22,815,456	5,028,491	16,128,511	1,658,454	22.0	70.7	7.3
	1914	346	40	57	2,169	738	1,263	168	34.0	58.2	7.7	8,724,162	2,966,004	5,076,418	681,740	34.0	58.2	7.8
Butter.....	1919	104	80	648	1,962	142	732	1,088	7.2	37.3	55.5	88,882,271	6,586,292	28,337,430	53,958,549	7.4	31.9	60.7
	1914	115	47	611	1,426	153	353	920	10.7	24.8	64.5	33,294,003	3,196,601	8,413,114	21,684,288	9.6	25.3	65.1
Cars and general shop con- struction and repairs by steam-railroad com- panies.	1919	75	75	.....	15,976	.....	15,976	.....	100.0	.....	.....	35,350,764	.....	35,350,764	.....	100.0	.....	.....
	1914	38	38	.....	10,551	.....	10,551	.....	100.0	.....	.....	14,594,018	.....	14,594,018	.....	100.0	.....	.....
Clothing, men's.....	1919	9	16	9	1,561	150	1,278	133	9.6	81.9	8.5	7,065,358	738,074	5,705,213	622,071	10.4	80.7	8.8
	1914	12	14	6	2,119	147	1,588	384	6.9	74.9	18.1	4,738,607	262,932	4,063,542	412,133	5.5	85.8	8.7
Confectionery and ice cream.	1919	36	38	43	1,959	179	1,598	182	9.1	81.6	9.3	10,055,805	1,245,623	7,805,017	1,005,165	12.4	77.6	10.0
	1914	41	28	33	978	158	698	152	16.2	68.3	15.5	3,876,914	643,027	2,682,830	651,057	16.6	66.6	16.8
Flour-mill and gristmill products.	1919	67	131	50	6,049	135	5,749	165	2.2	95.0	2.7	381,248,891	5,641,000	366,266,121	9,341,770	1.5	96.1	2.5
	1914	105	105	76	4,564	282	3,984	298	6.2	87.3	6.5	148,243,708	5,999,856	134,861,980	7,381,872	4.0	91.0	5.0
Food preparations, not elsewhere specified.	1919	6	27	8	624	14	579	31	2.2	92.8	5.0	14,706,653	152,645	14,382,630	171,378	1.0	97.8	1.2
	1914	4	17	6	426	4	405	17	0.9	95.1	4.0	4,978,745	12,377	4,966,368	63,977	0.2	98.5	1.3
Foundry and machine- shop products. ¹	1919	78	109	44	6,360	533	4,269	1,558	8.4	67.1	24.5	32,787,137	2,474,808	22,453,201	7,869,128	7.5	68.5	24.0
	1914	73	90	42	3,623	283	2,417	923	7.8	66.7	25.5	10,549,183	634,789	8,063,697	1,830,697	6.0	76.6	17.4
Fur goods.....	1919	29	11	5	905	222	656	27	24.5	72.5	3.0	8,062,860	1,185,665	6,704,865	172,330	14.7	83.2	2.1
	1914	21	10	5	838	102	482	254	12.2	57.5	30.3	4,207,468	344,222	3,902,721	820,525	8.2	72.2	19.6
Knit goods.....	1919	7	8	1	3,564	.....	3,518	246	.....	98.7	1.3	13,984,944	.....	13,731,353	253,591	.....	98.2	1.8
	1914	5	6	2	2,038	.....	2,029	259	.....	97.2	2.8	4,665,325	.....	4,546,870	218,455	.....	97.4	0.6
Liquors, malt.....	1919	5	20	3	1,036	36	935	15	3.5	95.1	1.4	7,712,734	883,620	7,480,729	48,185	2.4	97.0	2.6
	1914	21	36	8	2,052	86	1,915	51	4.2	93.3	2.5	14,266,296	387,630	13,689,940	238,728	2.7	95.6	1.7

¹ Includes "iron and steel, welding" and "machine tools."² Includes the group "Individuals."

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
					In establishments owned by—			Per cent of total.			Of establishments owned by—			Per cent of total.								
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Indi- vid- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All oth- ers.				
Lumber and timber prod- ucts.	1919 1914	135 170	55 68	54 74	12,602 16,814	946 1,046	11,016 14,507	640 1,201	7.5 6.2	87.4 86.6	5.1 7.1	\$37,321,051 32,412,302	\$2,117,916 1,402,822	\$33,483,646 29,695,244	\$1,719,489 1,314,236	5.7 4.3	89.7 91.6	4.6 4.1				
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919 1914	31 25	45 56	18 19	2,188 3,137	120 193	1,805 2,764	263 180	5.5 6.2	82.5 88.1	12.0 5.7	11,804,330 9,463,993	586,198 981,995	9,257,051 8,028,283	1,961,081 453,715	5.0 10.4	78.4 84.8	16.6 4.8				
Oil, linseed.	1919 1914	----- -----	6 6	----- -----	483 400	----- -----	483 400	----- -----	100.0 100.0	----- -----	----- -----	33,237,740 12,356,906	----- -----	33,237,740 12,356,906	----- -----	----- -----	100.0 100.0	----- -----				
Printing and publishing, book and job.	1919 1914	140 119	83 74	54 65	3,062 2,901	394 380	2,308 2,249	270 272	12.9 13.1	78.3 77.5	8.8 9.4	12,994,804 7,652,223	1,631,684 908,079	10,256,138 6,021,365	1,106,982 722,779	12.6 11.9	78.9 78.7	8.5 9.4				
Printing and publishing, newspapers and peri- odicals.	1919 1914	423 476	167 127	111 102	3,058 2,942	600 743	2,245 1,986	213 213	19.6 25.3	73.4 67.5	7.0 7.2	20,088,590 11,927,678	2,379,728 1,976,605	16,244,239 9,363,473	1,404,623 587,600	11.8 16.6	80.9 78.5	7.3 4.9				
Slaughtering and meat packing.	1919 1914	3 5	7 8	3 0	5,231 2,565	41 20	5,142 2,468	48 78	0.8 1.1	98.3 95.8	0.9 3.0	146,361,046 47,535,803	2,021,067 461,621	142,516,720 45,637,593	1,823,259 1,436,589	1.4 1.0	97.4 96.0	1.2 3.0				
Structural ironwork, not made in steel works or rolling mills.	1919 1914	4 4	11 10	4 4	2,183 2,058	18 43	2,116 1,988	49 27	0.8 2.1	96.9 96.6	2.2 1.3	9,952,606 6,305,596	75,011 75,235	9,513,665 6,176,257	363,930 54,104	0.8 1.2	95.6 97.0	3.7 0.9				
Total for cities 1.....	1919 1914	1,068 1,143	1,182 943	496 502	77,793 57,635	4,423 4,359	68,837 48,499	4,533 4,777	5.7 7.6	88.5 84.1	5.8 8.3	771,628,271 297,864,434	23,269,783 13,951,501	720,692,836 268,732,564	27,665,652 15,180,369	3.0 4.7	93.4 90.2	3.6 5.1				
DULUTH.....	1919 1914	67 102	128 101	31 40	10,472 5,538	357 419	9,878 4,704	237 325	3.4 7.6	94.3 86.6	2.3 5.9	75,261,387 19,729,283	1,566,596 1,301,926	71,124,005 17,012,231	2,570,786 1,415,126	2.1 6.6	94.5 80.2	3.4 7.2				
FARIBAULT.....	1919	30	17	6	806	74	671	61	9.2	83.3	7.6	10,155,358	315,519	9,492,080	347,759	3.1	98.5	3.4				
HIBBING.....	1919 1914	8 15	3 2	5 10	50 65	29 46	8	13 219	58.0 70.8	16.0	26.0 29.2	320,427 254,400	140,147 183,478	101,843	78,437 70,922	43.7 72.1	31.8	24.5 27.9				
MANKATO.....	1919 1914	29 34	15 16	12 14	771 755	120 202	518 384	133 169	15.6 26.8	67.2 50.9	17.3 22.4	9,768,306 4,344,114	373,272 479,308	8,645,909 3,333,364	747,125 531,442	3.8 11.0	88.5 70.7	7.7 12.2				
MINNEAPOLIS.....	1919 1914	547 585	618 511	256 253	33,154 23,295	2,122 2,019	34,278 24,544	1,754 1,732	5.6 7.1	89.8 86.7	4.6 6.1	491,382,975 187,854,159	11,141,762 5,810,546	469,518,536 175,237,770	10,722,677 6,805,843	2.3 3.1	95.5 93.3	2.2 3.6				
ROCHESTER.....	1919	21	8	12	359	61	272	26	17.0	75.8	7.2	2,250,242	373,160	1,702,724	174,358	16.6	75.7	7.7				
St. CLOUD.....	1919 1914	30 37	27 20	15 20	1,993 1,429	160 157	1,734 919	104 353	8.0 11.0	86.8 84.3	5.2 24.7	7,733,764 2,695,492	536,277 689,459	6,770,482 1,511,583	427,005 494,450	6.9 25.6	87.5 56.1	5.5 18.3				
St. PAUL.....	1919 1914	343 333	329 255	146 149	22,649 19,483	1,414 1,348	19,113 16,012	2,122 2,123	6.2 6.9	84.4 82.2	9.4 10.9	149,638,290 68,682,206	8,338,425 4,888,220	129,453,910 58,186,900	11,845,955 5,607,086	5.6 7.1	86.5 84.7	7.9 8.2				
WINONA.....	1919 1914	23 37	37 38	13 16	2,534 2,070	86 168	2,365 1,846	83 56	3.4 8.1	93.3 89.2	3.3 2.7	25,119,522 14,304,780	434,625 598,564	23,883,347 13,450,716	751,550 255,500	1.9 4.2	95.1 94.0	3.0 1.8				

¹ Excludes Austin and Virginia to avoid disclosure of individual operations.² Includes the group "Corporations."

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

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER. ¹	
			Total.		10,000 to 25,000. ²		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places.....	1919		9	.....	6	.....	1	.....	2	.....	
	1914		8	.....	5	.....	1	.....	2	.....	
	1909		7	.....	4	.....	1	.....	2	.....	
Population ³	1920	2,387,125	801,582	33.6	87,385	3.7	98,917	4.1	615,280	25.8	1,585,543	68.4
	1915	2,213,919	734,276	33.2	64,713	2.9	89,331	4.0	580,232	26.2	1,470,643	66.8
	1910	2,076,708	644,364	31.0	49,746	2.4	78,466	3.8	516,152	24.9	1,431,344	68.9
Number of establishments.....	1919	6,225	2,776	44.6	311	5.0	226	3.6	2,239	36.0	3,449	55.4
	1914	5,974	2,622	43.9	293	4.9	243	4.1	2,086	34.9	3,352	56.1
	1909	5,561	2,284	41.1	269	4.8	194	3.5	1,821	32.7	3,277	58.9
Average number of wage earners.....	1919	115,623	77,793	67.3	6,518	5.6	10,472	9.1	60,803	52.6	37,830	32.7
	1914	92,834	58,256	62.8	4,940	5.3	5,533	6.0	47,778	51.5	34,578	37.2
	1909	84,767	56,537	66.7	4,153	4.9	6,083	7.2	46,301	54.6	28,230	33.3
Value of products.....	1919	\$1,218,129,785	\$771,628,271	63.3	\$55,345,619	4.5	\$75,261,387	6.2	\$641,021,265	52.6	\$446,501,464	36.7
	1914	493,354,130	299,741,311	60.8	23,475,663	4.8	19,729,283	4.0	256,536,365	52.0	193,612,825	39.2
	1909	409,419,621	261,481,912	63.9	19,907,144	4.9	17,180,063	4.2	224,394,705	54.8	147,937,709	36.1
Value added by manufacture.....	1919	335,039,958	239,348,773	71.4	14,100,070	4.2	32,231,933	9.6	193,016,770	57.0	95,691,185	28.6
	1914	155,504,922	105,343,602	67.8	7,614,121	4.9	8,211,614	5.2	89,517,867	57.2	51,161,320	32.7
	1909	127,797,334	89,296,852	69.9	6,858,783	5.4	8,336,133	6.5	74,101,936	58.0	38,500,482	30.1

¹ Includes Austin and Virginia in 1919, and Virginia in 1914 and 1909, to avoid disclosure of individual operations.² Includes Stillwater in 1914 and 1909; population less than 10,000 in 1920.³ 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 ¹ over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
DULUTH.					MINNEAPOLIS—Continued.				
Foundry and machine-shop products.....	\$4,071,297	12.8	\$2,429,907	148.0	Drug grinding.....				
Coffee, roasting and grinding.....	2,309,660	19.0	(²)		Gas, illuminating and heating.....				
Lumber and timber products.....	2,282,944	6.1	-302,001	-13.7	Gloves and mittens, leather.....				
Printing and publishing, newspapers and periodicals.....	1,462,402	7.3	777,535	113.5	Knit goods.....				
Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	1,362,405	11.5	-131,291	-8.8	Leather goods, not elsewhere specified.....				
Cars and general shop construction and repairs by steam-railroad companies.....	1,066,186	3.0	(²)		Liquors, malt.....				
Bread and other bakery products.....	1,022,103	4.5	544,310	113.9	Lumber and timber products.....				
Confectionery.....	682,804	6.8	330,170	97.0	Oil, composite.....				
Printing and publishing, book and job.....	659,636	5.1	230,035	53.5	Oleomargarine and other butter substi- tutes.....				
Copper, tin, and sheet-iron work.....	613,482	10.1	206,575	50.8	Paper and wood pulp.....				
Boots and shoes.....					Petroleum, refining.....	(²)	(²)	(²)	(²)
Butter.....					Pickles, preserves, and sauces.....				
Cement.....					Poultry, killing and dressing, not done in slaughtering and meat-packing estab- lishments.....				
Clothing, men's.....					Rubber tires, tubes, and rubber goods, not elsewhere specified.....				
Coke, not including gas-house coke.....					Steam fittings and steam and hot-water heating apparatus.....				
Flour-mill and gristmill products.....	(²)	(²)	(²)	(²)	Window and door screens and weather strips.....				
Iron and steel, blast furnaces.....					Wooden goods, not elsewhere specified.....				
Iron and steel, steel works and rolling mills.					Woolen goods.....				
Linen goods.....									
Liquors, malt.....									
Matches.....									
Shipbuilding, steel.....									
Slaughtering and meat packing.....									
MINNEAPOLIS.					ST. PAUL.				
Flour-mill and gristmill products.....	227,006,081	59.7	142,473,637	167.4	Foundry and machine-shop products.....	\$12,079,703	37.9	\$8,682,965	255.6
Oil, linseed.....	26,044,475	75.3	(²)		Butter.....	9,038,459	10.2	5,809,156	179.9
Cars and general shop construction and re- pairs by steam-railroad companies.....	12,498,384	35.4	7,948,936	174.7	Cars and general shop construction and repairs by steam-railroad companies.....	8,068,846	22.8	4,252,890	111.5
Bread and other bakery products.....	12,404,478	54.4	7,487,233	152.3	Boots and shoes.....	7,776,683	61.5	4,731,870	155.4
Foundry and machine-shop products.....	12,038,002	35.9	8,257,742	218.4	Flour-mill and gristmill products.....	6,589,872	1.7	(²)	
Structural ironwork, not made in steel works or rolling mills.....	9,439,820	94.8	3,673,791	63.7	Tur goods.....	6,581,868	81.6	3,073,038	87.6
Food preparations, not elsewhere specified.....	9,262,637	93.0	5,459,157	143.5	Printing and publishing, newspapers and periodicals.....	6,579,475	32.8	3,046,243	86.2
Printing and publishing, newspapers and periodicals.....	7,477,616	37.2	2,749,388	58.1	Printing and publishing, book and job.....	5,824,289	44.8	1,627,099	33.8
Engines, steam, gas, and water.....	6,989,318	54.0	6,056,214	649.0	Bread and other bakery products.....	5,599,146	24.5	4,038,268	258.7
Coffee, roasting and grinding.....	6,660,765	54.7	4,623,131	226.9	Food preparations, not elsewhere specified.....	5,073,392	34.5	4,137,754	442.2
Printing and publishing, book and job.....	5,816,417	44.8	3,114,916	115.3	Confectionery and ice cream.....	3,481,190	34.6	(²)	
Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	5,420,155	45.0	959,500	21.5	Leather goods, not elsewhere specified.....	3,451,190	34.6	(²)	
Automobile repairing.....	5,388,366	58.0	4,842,343	886.8	Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	2,506,654	21.2	459,123	22.4
Butter.....	4,336,452	4.9	2,812,647	184.6	Clothing, men's.....	1,821,916	25.8	-542,026	-22.0
Confectionery and ice cream.....	4,312,311	42.9	2,701,408	167.7	Boxes, wooden packing, except cigar boxes.	1,429,361	41.4	1,185,833	486.9
Electrical machinery, apparatus, and sup- plies.....	4,200,813	96.5	3,642,361	652.2	Carriages and wagons, including repairs.....	1,378,738	46.4	662,020	92.4
Furniture.....	4,196,187	61.7	2,543,602	153.9	Tobacco, cigars.....	1,249,836	39.0	138,741	12.4
Clothing, men's.....	3,259,085	46.1	1,863,086	138.5	Automobile repairing.....	990,300	10.7	858,918	663.8
Mattresses and spring beds, not elsewhere specified.....	2,846,993	73.5	1,734,428	155.9	Patent medicines and compounds.....	948,593	15.1	379,742	66.8
Cooperage.....	2,642,125	82.5	1,251,815	90.0	Furniture.....	802,031	11.8	220,782	38.0
Patent medicines and compounds.....	2,388,819	37.9	1,073,545	81.6	Copper, tin, and sheet-iron work.....	793,219	20.9	206,324	35.0
Copper, tin, and sheet-iron work.....	1,982,153	52.1	889,786	81.5	Brass, bronze, and copper products.....	626,960	61.6	(²)	
Belt, leather.....	1,808,535	100.0	(²)		Boxes, set-up paper boxes and cartons.....			(²)	
Paints.....	1,593,043	63.4	643,263	87.7	Cars and general shop construction and re- pairs by electric-railroad companies.....				
Saddlery and harness.....	1,287,084	30.9	684,827	113.7	Coffee, roasting and grinding.....				
Automobile bodies and parts.....	1,275,790	72.4	(²)		Cordage and twine.....				
Fur goods.....	1,155,959	14.3	590,148	104.3	Gas, illuminating and heating.....				
Signs and advertising novelties.....	893,478	21.9	539,254	152.2	Liquors, malt.....				
Clothing, women's.....	806,127	89.9	(²)		Mats and matting, from cocoa fiber, grass, and coir.....				
Boxes, wooden packing, except cigar boxes.	769,583	22.3	136,816	21.6	Mattresses and spring beds, not elsewhere specified.....				
Chemicals.....	723,701	49.7	(²)		Milinery and lace goods, not elsewhere specified.....				
Boots and shoes.....	694,014	5.5	(²)		Oil, linseed.....				
Tobacco, cigars.....	651,869	20.3	207,302	46.6	Paper and wood pulp.....				
Photo-engraving.....	627,313	64.7	243,587	63.5	Refrigerators.....				
Malt.....	618,112	21.1	-2,250,618	-78.5	Roofing materials.....				
Automobiles.....					Saddlery and harness.....				
Bags, other than paper, not including bags made in textile mills.....	(²)	(²)	(²)	(²)	Sand and emery paper and cloth.....				
Boxes, set-up paper boxes and cartons.....					Shirts.....				
Carriages and wagons, including repairs.....					Signs and advertising novelties.....				
Cleansing and polishing preparations.....					Slaughtering and meat packing.....				
Coffins, burial cases, and undertakers' goods					Soap.....				
Dental goods.....					Steam packing.....				
					Tinware, not elsewhere specified.....				

¹ A minus sign (-) denotes decrease.² Figures can not be shown without disclosing individual operations.³ Includes "bookbinding and blank-book making" in 1914.⁴ Includes "iron and steel, welding"; "machine tools"; and "steel barrels, drums, and tanks."⁵ Includes "tobacco, chewing and smoking, and snuff" in 1914.

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.....	20,913	13,463	8,679	473,957	358,737	297,670	100.0	100.0	100.0
Owned.....	2,794	3,462	3,792	305,695	286,939	266,546	64.5	80.0	89.5
Steam.....	1,827	2,190	2,544	198,186	206,144	199,802	41.8	57.5	67.1
Engines.....	1,760	(2)	(2)	173,815	(2)	(2)	36.7	.....	.....
Turbines.....	77	(2)	(2)	24,371	(2)	(2)	5.1	.....	.....
Internal-combustion engines.....	762	959	877	33,848	7,454	7,174	7.1	2.1	2.4
Water.....	205	313	371	73,661	73,341	59,570	15.5	20.4	20.0
Water wheels and turbines.....	190	292	308	73,446	73,088	56,631	15.5	20.4	19.0
Water motors.....	15	21	63	215	253	2,939	(2)	0.1	1.0
Rented.....	18,119	10,001	4,887	168,262	71,798	31,124	35.5	20.0	10.5
Electric.....	18,119	10,001	4,887	167,965	71,224	30,297	35.4	19.8	10.2
Other.....	.....	.....	.....	297	574	827	0.1	0.2	0.3
Electric.....	22,834	12,778	6,791	255,119	121,018	52,212	100.0	100.0	100.0
Rented.....	18,119	10,001	4,887	167,965	71,224	30,297	65.8	58.9	58.0
Generated by establishments reporting.....	4,715	2,777	1,904	87,154	49,794	21,915	34.2	41.1	42.0

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.....	41,074	2,483,593	440,452	202,061	35,045	1,438,853
Per cent of increase ¹	42,659	1,400,702	101,018	303,767	(1)	84,493
	-3.7	77.3	336.0	-7.9	(1)	1,003.5
Artificial stone products.....	55	6,731	37	344	433	6
Automobiles.....	6,504	1,715	43	7,109	10,163	.....
Automobile repairing.....	354	8,996	74	217	687	4,248
Bread and other bakery products.....	5,609	17,017	7,366	4,804	3,689	24,430
Brick and tile, terra-cotta, and fire-clay products.....	635	67,212	300	65	253	.....
Butter.....	3,557	47,652	880	402	638	.....
Cars and general shop construction and repairs by steam-railroad companies.....	809	233,644	6,466	12,000	18	.....
Cement.....	.....	63,554	744	.....	.....	.....
Chemicals.....	5,801	5,141	1,040	6,198	106	740
Coal-tar products.....	.....	10,979	.....	4,478	.....	.....
Coffee, roasting and grinding.....	231	1,918	40	.....	.....	10,820
Coke, not including gas-house coke.....	.....	849,288	.....	.....	.....	2,288
Condensed milk.....	.....	6,683	35	.....	.....	.....
Confectionery and ice cream.....	1,527	5,214	735	.....	528	15,293
Electrical machinery, apparatus, and supplies.....	6	1,395	36	.....	5	35,603
Engines, steam, gas, and water.....	102	6,690	1,639	1,572	2,284	1,475
Flour-mill and gristmill products.....	683	225,748	114	7,579	341	37
Food preparations, not elsewhere specified.....	624	7,971	.....	.....	73	7,347
Foundry and machine-shop products.....	418	36,134	24,226	10,780	820	18,081
Furniture.....	308	7,351	58	.....	38	41
Gas, illuminating and heating.....	.....	116,968	16,550	204,251	1,162	.....
Iron and steel, blast furnaces.....	.....	3,177	359,654	.....	.....	.....
Iron and steel, steel works and rolling mills.....	15	160,170	8,164	.....	.....	1,246,544
Knit goods.....	49	9,402	.....	.....	.....	.....
Lime.....	.....	5,084	.....	31	20	.....
Liquors, malt.....	159	85,866	261	2	169	85
Lumber, planing-mill products, not including planing mills connected with saw-mills.....	18	9,892	.....	19	8,051	14
Malt.....	1,922	15,141	.....	.....	.....	.....
Oil, linseed.....	3,500	22,414	.....	.....	.....	.....
Paper and wood pulp.....	.....	198,472	.....	.....	.....	.....
Pottery.....	.....	10,000	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals.....	1,718	7,318	127	77	1,338	29,767
Refrigerators.....	.....	6,878	.....	200	20	.....
Shipbuilding, steel.....	120	11,900	1,200	10,215	1,000	.....
Slaughtering and meat packing.....	221	103,863	12	.....	220	9,818
Steam packing.....	.....	17,138	81	.....	.....	.....
Structural ironwork, not made in steel works or rolling mills.....	27	13,424	4,714	2,256	296	153
Sugar, beet.....	.....	5,967	211	.....	.....	.....
Woolen goods.....	.....	5,946	.....	.....	.....	.....
All other industries.....	6,102	113,550	5,645	13,402	2,687	36,514
Total for cities ²	33,869	1,497,181	426,645	262,134	29,733	1,422,294
DULUTH.....	9,047	776,945	372,303	13,219	1,766	1,255,691
FARIBAULT.....	6	15,275	1,249	.....	57	281
HIBBING.....	.....	1,797	.....	.....	6	.....
MANKATO.....	34	17,775	313	.....	75	144
MINNEAPOLIS.....	12,054	408,212	31,570	212,857	12,923	102,251
ROCHESTER.....	.....	8,058	262	667	38	513
St. CLOUD.....	6,624	7,632	241	8,586	10,102	30
St. PAUL.....	5,491	208,833	19,553	26,124	4,734	61,812
WINONA.....	613	53,254	1,064	681	32	1,572

¹ Included in figures for fuel oils.

² A minus sign (-) denotes decrease.

³ Excludes Austin and Virginia to avoid disclosure of individual operations.

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 Minnesota are here presented.

Flour-mill and gristmill products (Table 19).—This is the ranking industry in the state, with products for 1919 valued at \$381,248,891, and the table gives the quantity and value of products for 1919, 1914, and 1909. Wheat flour was largely the chief product of the industry, constituting 81.8 per cent of the total value in 1919 and 79.6 per cent in 1914. The increase in values from 1914 to 1919 was much greater than in quantities. For wheat flour, while the value increased 164.2 per cent, the quantity increased only 5.1 per cent. For bran and middlings, the product of second importance, there was an increase of 56 per cent in value, but a decrease in quantity during the five-year period of 20.9 per cent.

TABLE 19.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$381,248,891	\$148,243,708	\$139,136,129
Wheat flour:			
Barrels.....	28,505,036	27,132,155	22,737,404
Value.....	\$311,764,407	\$117,988,654	\$114,186,351
Rye flour:			
Barrels.....	1,097,252	579,648	229,651
Value.....	\$8,756,512	\$1,991,445	\$936,096
Buckwheat flour:			
Pounds.....	1,362,611	1,953,928	990,387
Value.....	\$76,910	\$83,006	\$38,047
Rice flour:			
Pounds.....	3,854,000		
Value.....	\$276,162		
Corn meal and corn flour:			
Barrels.....	126,621	53,845	66,705
Value.....	\$1,072,114	\$185,008	\$204,893
Bran and middlings:			
Tons.....	831,293	1,051,260	
Value.....	\$34,940,427	\$22,390,532	
Feed and offal:			
Tons.....	494,101	219,263	1,080,833
Value.....	\$22,248,059	\$5,517,795	\$23,112,313
All other cereal products, value.....	\$2,061,584	\$61,982	\$492,432
All other products, value.....	\$52,716	\$45,286	\$171,537

Slaughtering and meat packing (Table 20).—This table presents for the census years 1919, 1914, and 1909 the total cost of materials, and the kind, number, and cost of animals slaughtered; the cost of all other materials, which includes that for dressed meat purchased for curing and for making lard compounds and oleo oil, cottonseed oil, refrigeration, curing materials, seasoning, fuel, rent of power, mill supplies, and freight; and the kind, quantity, and value of the principal products that can be shown without disclosing individual operations. The item "All other products" includes the value of cured beef, canned goods including canned sausage, meat puddings and scrapple, lard compounds, oleo and other oils, oleo stearin, oleomargarine, hog and cattle hair, glycerin, stock feed, etc.

TABLE 20.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$123,505,977	\$41,591,495	\$22,043,385
Animals slaughtered, cost.....	\$122,096,820	\$39,722,359	\$18,664,082
Beefes—			
Number.....	299,462	166,903	125,852
Cost.....	\$23,500,100	\$9,578,618	\$4,196,238
Calves—			
Number.....	288,023	79,689	55,991
Cost.....	\$5,055,226	\$935,138	\$431,438
Sheep and lambs—			
Number.....	208,946	198,665	133,244
Cost.....	\$1,979,533	\$983,604	\$592,993
Hogs—			
Number.....	2,197,152	1,559,491	1,033,655
Cost.....	\$90,902,161	\$28,221,939	\$13,444,413
All other materials, cost.....	\$6,409,157	\$1,869,136	\$3,379,303
PRODUCTS.			
Total value.....	\$146,361,046	\$47,535,803	\$25,608,934
Fresh meat, value.....	\$51,010,517	\$21,791,653	\$8,503,956
Beef—			
Pounds.....	109,239,489	76,992,124	59,276,609
Value.....	\$15,831,153	\$7,714,340	\$3,187,527
Veal—			
Pounds.....	25,542,989	6,987,960	5,705,536
Value.....	\$4,020,716	\$875,294	\$380,210
Mutton and lamb—			
Pounds.....	8,513,336	8,511,931	5,055,124
Value.....	\$1,404,971	\$358,878	\$480,143
Pork—			
Pounds.....	120,359,452	110,312,090	45,709,115
Value.....	\$27,826,610	\$11,808,814	\$4,336,448
Edible offal and other fresh meat—			
Pounds.....	18,473,433	6,539,309	727,938
Value.....	\$1,837,067	\$534,357	\$113,628
Pork, pickled and other cured:			
Pounds.....	236,784,979	115,033,007	82,480,987
Value.....	\$58,548,256	\$16,430,990	\$9,258,591
Sausage:			
Pounds.....	24,657,904	8,845,380	7,632,698
Value.....	\$5,241,525	\$1,114,112	\$696,017
Lard:			
Pounds.....	49,609,701	40,311,585	21,429,517
Value.....	\$13,049,319	\$4,263,173	\$2,581,501
Tallow and oleo stock:			
Pounds.....	5,529,988	¹ 2,014,302	2,797,504
Value.....	\$776,082	¹ \$123,806	\$164,479
Grease and soap stock:			
Pounds.....	3,318,345	2,598,228	(²)
Value.....	\$452,403	\$145,323	(²)
Casings:			
Pounds.....	1,841,996	1,556,967	(²)
Value.....	\$327,126	\$102,739	(²)
Hoofs, horns, horn tips, and strips:			
Pounds.....	5,862,005	905,345	(²)
Value.....	\$209,245	\$13,388	(²)
Fertilizers and fertilizer materials:			
Tons.....	6,901	³ 7,610	³ 12,075
Value.....	\$383,708	³ \$223,358	³ \$314,660
Hides and pelts:			
Cattle—			
Number.....	299,462	166,903	
Pounds.....	15,390,565	9,453,992	
Value.....	\$5,167,344	\$1,624,345	
Calf—			
Number.....	241,503	51,221	
Pounds.....	3,112,963	673,867	
Value.....	\$1,921,646	\$118,622	
Sheep—			
Number.....	208,382	198,086	132,574
Value.....	\$492,592	\$202,227	\$146,473
All other products, value.....	\$7,580,783	\$1,322,058	\$3,061,072

¹ No oleo stock reported in 1914.

² Not reported separately.

³ No fertilizers reported in 1914 and 1909.

The growth of the industry in this state in the census period 1914 to 1919, measured by cost of materials and value of products, is remarkable as compared with that of the previous period, 1909 to 1914. The increase in cost of materials from 1914 to 1919 was \$86,914,482, or 209 per cent, and from 1909 to 1914, \$19,548,110, or 88.7 per cent; and in value of products,

\$98,825,243, or 207.9 per cent, in the first period, and \$21,926,869, or 85.6 per cent, in the second period.

The normal increase, however, is better indicated by the number of animals slaughtered, which was 2,994,183 in 1919, 2,004,648 in 1914, and 1,378,742 in 1909, an increase from 1914 to 1919 of 989,535, or 49.4 per cent, and from 1909 to 1914, 625,906, or 45.4 per cent.

This state ranked eighth in value of products for the slaughtering and meat-packing industry in the United States, an advance from thirteenth place since 1914.

Butter, cheese, and condensed milk (Table 21).—Minnesota ranked third in 1919 in the production of butter, cheese, and condensed milk, being exceeded only by Wisconsin and New York in the order given. Minnesota was the leading state in the manufacture of butter, and ranked sixth in the production of cheese. There was an increase in the total value of products from 1914 to 1919 of 177.3 per cent. Of the total value of products, butter represented 86.9 per cent, cheese 2.9 per cent, and condensed and evaporated milk 2.1 per cent. A consideration of quantity production will give a unit of measure for comparative purposes. During the five-year period 1914–1919, the quantity of butter produced increased 35,187,933 pounds, or 31.7 per cent. Cheese for the same period increased 6,099,478 pounds, or 151.9 per cent.

The following table gives the quantity and value of the several products for 1919, 1914, and 1909 where the same can be shown without disclosing the operations of individual establishments:

TABLE 21.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$93,585,605	\$33,746,306	\$25,287,462
Butter:			
Pounds.....	146,295,141	111,107,208	88,842,846
Value.....	\$31,365,245	\$30,903,702	\$24,581,058
Packed solid—			
Pounds.....	116,662,006	94,775,407	81,104,848
Value.....	\$64,656,612	\$26,170,426	\$22,359,427
Prints or rolls—			
Pounds.....	29,633,135	16,331,955	7,737,998
Value.....	\$16,708,633	\$4,733,276	\$2,221,631
Cream sold:			
Pounds.....	3,146,692	3,401,449	1,338,833
Value.....	\$1,258,000	\$293,897	\$146,367
Cheese:			
Pounds.....	10,116,048	4,016,570	2,735,883
Value.....	\$2,757,387	\$496,215	\$374,716
Full cream—			
Pounds.....	9,271,766	3,350,598	2,695,883
Value.....	\$2,628,913	\$472,850	\$371,516
Other kinds—			
Pounds.....	844,282	665,972	40,000
Value.....	\$128,474	\$23,365	\$3,200
Condensed and evaporated milk:			
Pounds.....	15,994,195	(2)	(2)
Value.....	\$1,932,540	(2)	(2)
All other butter, cheese, and condensed-milk factory products, value.....	\$4,623,788	\$1,616,396	\$55,253
All other products, value.....	\$1,648,645	\$436,186	\$129,568

¹ In addition, in 1919 butter valued at \$31,321 was manufactured in establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

² Included in "All other butter, cheese, and condensed-milk factory products."

Printing and publishing (Tables 22 and 23).—Table 22 gives the number and aggregate circulation per issue of the newspapers and periodicals published in Minnesota as reported at the censuses of 1919, 1914, and 1909.

The aggregate circulation of all publications increased 172,460, or 4 per cent, during the five-year period 1914–1919. Of the daily circulation in 1919, 509,257, or 73.6 per cent, was reported for newspapers published in the afternoon, which is an increase of 87,630, or 20.8 per cent, over the afternoon circulation reported for 1914.

Sunday newspaper circulation increased 74,611, or 20.2 per cent, during the five years, and 207,318, or 87.4 per cent, during the decade.

There was a slight decrease in the circulation of weeklies from 1914 to 1919, but the increase for the decade is 416,127, or 32.8 per cent. The circulation of monthly and semimonthly publications increased 188,193, or 14.3 per cent, from 1914 to 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.....	797	766	758	4,506,073	4,333,613	3,176,700
Daily.....	50	51	42	692,276	655,070	476,252
Sunday.....	9	7	7	444,523	309,912	237,205
Semiweekly ¹	13	7	8	134,647	117,374	37,062
Weekly.....	616	620	614	1,685,983	1,790,818	1,269,856
Monthly ²	70	75	83	1,503,632	1,315,439	1,132,300
Quarterly ³	9	6	4	45,012	85,000	24,025

¹ Includes, in 1919, 1 triweekly.

² Includes, in 1919, 7, and in 1914, 10 semimonthlies; and in 1909, 12 semimonthlies and 1 "All other."

³ Includes, in 1919, 4 bimonthlies; in 1914, 2 bimonthlies and 1 "semiannual," and in 1909, 2 "all other."

Table 23 gives the number and aggregate circulation per issue of the foreign-language publications, by principal periods of issue, as reported at the censuses of 1919, 1914, and 1909, compared with like issues of English periodicals.

During the five-year period, 1914–1919, the foreign-language publications decreased in number 12, and in circulation 122,284, or 21.2 per cent.

Three of the foreign-language dailies were published in the morning and were printed in Finnish; 2 were afternoon papers with a circulation of 25,200, 1 was in German and 1 in Norwegian and Danish. Of the 2 Sunday papers, 1 was in German and 1 in Norwegian and Danish.

Of the 35 weeklies and 1 triweekly reported for 1919, 9 with a circulation of 105,767 were printed in German; 7 with a circulation of 53,500, in Swedish; 7 with a circulation of 64,129, in Norwegian; and 5 with a circulation of 22,800, in Norwegian and Danish. There were 2 each in Finnish and Polish, and 1 each in Danish, French, and English and Norwegian. The triweekly was in Norwegian.

Three of the 4 foreign-language semimonthly publications were in Swedish, and 1 in German. Of the 13 monthly publications, 6 with a circulation of 10,500 were in Swedish; 3 with a circulation of 30,418 were in Norwegian; 2 were in English and Norwegian, 1 was in Norwegian and Danish, and 1 was in Norwegian and Swedish. The 2 bimonthlies and 1 quarterly were in the Swedish language.

TABLE 23.—PRINTING AND PUBLISHING—CIRCULATION, ENGLISH AND FOREIGN: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	Census year.	TOTAL.		ENGLISH.		FOREIGN LANGUAGES.	
		Num-ber.	Aggregate circulation per issue.	Num-ber.	Aggregate circulation per issue.	Num-ber.	Aggregate circulation per issue.
Total.....	1919	767	4,506,073	704	4,050,962	63	455,111
	1914	766	4,333,613	691	3,756,218	75	577,395
	1909	758	3,176,700	685	2,635,711	73	540,989
Daily and Sunday...	1919	59	1,136,799	52	1,054,077	7	82,722
	1914	58	1,024,982	51	953,519	7	71,463
	1909	49	713,457	46	688,752	3	24,705
Weekly ¹	1919	629	1,820,630	592	1,546,801	36	273,799
	1914	627	1,908,192	581	1,552,262	46	355,930
	1909	622	1,306,918	578	945,129	44	361,789
Monthly ²	1919	70	1,503,632	53	1,424,812	17	78,820
	1914	75	1,315,439	53	1,105,437	22	150,002
	1909	83	1,182,300	57	977,805	26	154,495
Quarterly ³	1919	9	45,012	7	25,212	3	19,800
	1914	6	85,000	6	85,000		
	1909	4	24,025	4	24,025		

¹ Includes, in 1919, 12 semiweeklies (English) and 1 triweekly (Norwegian); in 1914, 6 semiweeklies (English) and 1 semiweekly (Slovenian); in 1909, 7 semiweeklies (English) and 1 semiweekly (Finnish).

² Includes, in 1919, 3 semimonthly publications in English, 3 in Swedish, and 1 in German; in 1914, 4 semimonthly publications in English, 2 in Danish-Norwegian, 2 in Swedish, 1 in English-Norwegian and 1 in German; in 1909, 6 semimonthly publications in English, 5 in Swedish, 1 English-Norwegian semimonthly, and 1 "all other" in German.

³ Includes, in 1919, 2 bimonthly publications in English and 2 in Swedish; in 1914, 2 bimonthly and 1 semiannual publications in English; in 1909, 2 "all other" publications in English.

Lumber and timber products (Table 24).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. The production of lumber in Minnesota has been decreasing rapidly during the past 20 years. In 1899, this state ranked third among the states as a lumber producer, the cut for that year being reported as 2,342,338,000 feet. In 1917, the reported cut dropped below one billion feet for the first time in more than two decades. The cut for 1919 compared with that for 1914 decreased 46.7 per cent, and with that for 1909, 55.2 per cent.

TABLE 24.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY. ¹		
	1919	1914	1909
Lumber.....M feet b. m.	699,630	1,312,230	1,561,508
Lath.....thousands..	115,741	(2)	478,038
Shingles.....thousands..	4,451	(2)	74,818

¹ The output of custom mills is included in 1919 and 1909, but not in 1914.

² Not reported.

In 1919 Minnesota led in the production of white pine lumber, producing 32.5 per cent of the total cut from this wood in the United States.

The lumber cut from the principal species in 1919 was reported as follows: White pine 560,544,000 feet, or 80.1 per cent of the total cut from all species in the state; larch 35,765,000 feet, or 5.1 per cent; cottonwood 30,135,000 feet, or 4.3 per cent; and spruce 29,298,000 feet, or 4.2 per cent. Other important woods sawed into lumber in considerable quantities were balsam fir, birch, oak, elm, and basswood.

Power laundries (Table 25).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. This table, however, summarizes the statistics for such laundries in Minnesota for 1919 and 1914.

TABLE 25.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1914-1919.
	1919	1914	
Number of establishments.....	156	188	-17.0
Persons engaged.....	3,818	4,024	-5.1
Proprietors and firm members.....	156	203	-23.2
Salaried employees.....	385	327	17.7
Wage earners (average number).....	3,277	3,494	-6.2
Primary horsepower.....	4,766	4,264	11.8
Capital.....	\$3,967,932	\$2,708,038	46.5
Salaries and wages.....	2,950,231	1,972,943	49.5
Salaries.....	534,725	332,555	60.8
Wages.....	2,415,506	1,640,388	47.3
Paid for contract work.....	8,884	17,361	-48.8
Rent and taxes.....	215,946	147,110	46.8
Cost of materials.....	1,437,708	855,443	68.1
Amount received for work done.....	6,087,088	4,100,464	48.4

¹ A minus sign (-) denotes decrease.

Dyeing and cleaning (Table 26).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. These statistics are not included in the general tables nor in the totals for manufacturing industries. This presentation is the first that has been made since the census statistics were confined to manufacturing industries as distinguished from hand trades.

TABLE 26.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	46
Persons engaged.....	629
Proprietors and firm members.....	45
Salaried employees.....	99
Wage earners (average number).....	482
Primary horsepower.....	563
Capital.....	\$739,244
Salaries and wages.....	614,823
Salaries.....	126,330
Wages.....	488,493
Paid for contract work.....	20,371
Rent and taxes.....	53,208
Cost of materials.....	271,765
Amount received for work done.....	1,563,016

Custom gristmills and custom sawmills (Tables 27 and 28).—Summaries of the more important data for custom gristmills and custom sawmills are presented in these tables. These statistics are not included in the general tables nor in the totals for manufacturing industries.

TABLE 27.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1909-1919.
	1919	1909	
Number of establishments.....	184	278	-33.8
Persons engaged.....	249	577	-56.8
Proprietors and firm members.....	181	459	-60.6
Salaried employees.....	6	9	.....
Wage earners (average number).....	62	109	-43.1
Primary horsepower.....	4,770	6,516	-26.8
Capital.....	\$777,129	\$792,685	-2.0
Salaries and wages.....	68,889	46,705	47.5
Salaries.....	2,420	4,960	-51.5
Wages.....	66,469	41,745	59.3
Rent and taxes.....	10,692	6,975	53.3
Cost of materials ²	4,330,282	3,190,150	35.7
Value of products ²	4,956,596	3,660,055	35.4

¹ A minus sign (-) denotes decrease; percentage omitted where base is less than 100.
² Includes estimate of all grain ground.

TABLE 28.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1909-1919.
	1919	1909	
Number of establishments.....	189	137	38.0
Persons engaged.....	385	367	4.9
Proprietors and firm members.....	262	244	7.4
Salaried employees.....	1	.....	.....
Wage earners (average number).....	122	123	-0.8
Primary horsepower.....	5,054	3,066	64.8
Capital.....	\$250,253	\$203,105	23.2
Salaries and wages.....	92,970	45,250	105.5
Salaries.....	312	.....	.....
Wages.....	92,658	45,250	104.8
Rent and taxes.....	2,514	1,303	92.9
Cost of materials.....	13,230	2,001	561.2
Amount received for work done.....	214,223	132,283	61.9

¹ A minus sign (-) denotes decrease.

GENERAL TABLES.

Table 29 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 Duluth, Minneapolis, and St. Paul, and for the cities having from 10,000 to 50,000 inhabitants, for which comparable statistics are available, similar data for all industries combined.

Table 30 presents, for 1919, for the state as a whole and for Duluth, Minneapolis, and St. Paul, 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 cities having from 10,000 to 50,000 inhabitants, except Austin and Virginia, figures for which could not be shown without disclosing individual operations.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage 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 of dollars.								Expressed in thousands of dollars.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	6,225	115,623	473,957	127,107	883,090	1,218,130	Copper, tin, and sheet-iron products. ³	1919	135	1,213	837	1,239	3,222	5,985
	1914	5,974	92,834	358,737	58,507	330,849	493,354		1914	143	1,087	611	720	1,655	3,398
	1909	5,561	84,767	297,670	47,471	281,622	409,420		1909	114	1,081	507	649	1,347	2,765
Agricultural implements.....	1919	16	501	723	498	1,355	2,341	Dairymen's, poultrymen's, and apiarists' supplies.	1919	6	86	128	100	317	765
	1914	17	872	2,489	707	1,474	3,813		1914	7	61	228	36	91	219
	1909	17	1,014	1,468	632	1,090	3,014		1909	3	46	80	22	48	117
Artificial stone products.....	1919	171	766	3,111	802	1,284	3,047	Dental goods.....	1919	8	152	36	150	699	946
	1914	191	738	1,129	474	675	1,618		1914	6	18	21	10	262	294
	1909	123	653	596	380	379	1,090		1909	4	6	8	2	21	84
Automobile bodies and parts.	1919	48	405	611	457	877	1,763	Electrical machinery, apparatus, and supplies.	1919	20	942	881	753	2,033	4,354
	1914	13	141	78	105	103	329		1914	17	236	393	161	348	749
	1909	6	56	34	41	76	148		1909	13	187	205	101	220	526
Awnings, tents, and sails.....	1919	16	89	62	82	341	580	Envelopes.....	1919	6	398	181	177	291	674
	1914	17	110	53	63	251	444		1914	3	102	43	47	81	187
	1909	16	110	37	54	226	395	Flour-mill and gristmill products.	1919	248	6,049	114,764	7,781	337,873	381,249
Boots and shoes.....	1919	16	2,153	1,738	1,917	7,743	12,645		1914	286	4,564	100,688	3,407	127,315	148,244
	1914	14	2,012	1,159	1,121	3,980	5,918		1909	322	4,345	93,849	2,782	124,217	139,136
	1909	18	2,064	1,411	1,290	4,935	7,568	Food preparations, not elsewhere specified.	1919	41	624	3,090	570	10,418	14,707
Boxes, set-up paper boxes and cartons.	1919	16	711	523	483	963	2,086		1914	27	426	1,369	249	3,049	4,979
	1914	13	650	625	325	550	1,322		1909	30	405	1,272	205	2,824	4,207
	1909	11	595	453	236	481	1,023	Foundry and machine-shop products. ⁴	1919	870	12,390	26,834	15,428	27,000	67,938
Brass, bronze, and copper products.	1919	10	213	393	241	550	1,018		1914	409	7,051	15,692	5,193	9,984	21,405
	1914	9	99	154	68	242	359		1909	247	6,002	9,966	3,904	7,185	15,609
	1909	7	33	37	22	91	139	Fur goods.....	1919	45	905	515	1,087	5,204	8,093
Bread and other bakery products.	1919	426	2,975	3,234	2,593	14,006	22,815		1914	36	838	372	549	2,677	4,207
	1914	443	2,169	2,289	1,308	4,794	8,724		1909	42	1,050	288	500	2,213	3,776
	1909	403	1,090	955	972	3,804	6,785	Furniture.....	1919	59	1,587	2,814	1,636	3,062	6,805
Brick and tile, terra-cotta, and fire-clay products.	1919	34	790	5,224	834	809	2,293		1914	58	1,473	2,915	921	1,348	3,240
	1914	61	1,215	7,664	764	749	2,152		1909	52	1,454	2,043	779	1,507	3,118
	1909	82	1,038	5,807	538	378	1,442	Gas, illuminating and heating.	1919	23	707	5,908	869	2,408	5,518
Brooms.....	1919	28	103	106	119	317	563		1914	47	1,038	4,670	646	1,681	4,159
	1914	19	99	59	61	137	266		1909	42	848	3,538	292	820	2,874
	1909	10	91	43	60	139	270	Glass, cutting, staining, and ornamenting.	1919	17	119	92	108	551	832
Butter and cheese.....	1919	898	2,051	15,149	2,328	84,437	91,720		1914	15	153	71	89	95	233
	1914	807	1,458	12,865	1,167	30,709	33,746		1909	10	131	24	84	82	237
	1909	784	1,184	11,874	829	22,707	25,287	Hats and caps, other than felt, straw, and wool.	1919	11	83	18	89	289	463
Canning and preserving ¹	1919	38	683	1,635	431	2,329	3,500		1914	9	127	31	53	160	241
	1914	35	436	1,055	140	806	1,284		1909	7	58	8	30	61	113
	1909	32	415	692	135	895	1,343	Jewelry.....	1919	22	150	53	179	268	664
Carriages and wagons, including repairs.	1919	67	565	1,501	648	1,500	2,970		1914	25	154	51	115	103	308
	1914	123	838	1,979	556	1,010	2,163		1909	17	119	46	82	87	255
	1909	134	868	1,657	529	983	2,175	Knit goods.....	1919	16	3,564	1,480	2,298	7,487	13,985
Cars and general shop construction and repairs by electric-railroad companies.	1919	8	436	1,285	549	440	1,065		1914	13	2,088	2,149	892	2,526	4,665
	1914	8	435	1,266	434	367	863		1909	10	1,052	853	348	1,086	2,243
Cars and general shop construction and repairs by steam-railroad companies.	1919	75	15,976	15,157	21,070	12,693	35,351	Leather goods ⁵	1919	76	1,198	598	1,209	5,645	8,692
	1914	38	10,551	15,678	7,544	6,327	14,594		1914	95	750	460	489	1,688	2,806
	1909	28	8,232	10,680	5,586	6,494	12,631	Lime.....	1909	42	870	418	448	1,686	2,821
Cleansing and polishing preparations.	1919	6	20	37	22	524	728		1919	5	167	260	169	120	427
	1914	6	14	8	6	33	54	Liquors, malt.....	1914	5	223	328	127	139	342
	1909								1909	8	203	319	101	143	311
Clothing, men's, including shirts.	1919	43	1,814	743	1,285	5,465	8,246		1919	28	1,036	7,125	1,843	2,047	7,713
	1914	45	2,468	590	990	3,640	5,616		1914	65	2,052	9,201	1,750	3,303	14,266
	1909	41	2,156	421	722	2,814	4,459	Lumber and timber products ⁶	1909	65	1,653	6,912	964	2,343	10,568
Clothing, women's.....	1919	23	220	71	141	470	896		1919	366	15,485	47,971	12,978	25,889	52,580
	1914	8	94	23	45	93	209		1914	453	20,947	60,066	10,855	22,827	44,075
	1909	11	203	26	110	110	305	Malt.....	1909	525	20,704	67,839	10,918	20,865	42,353
Coffee, roasting and grinding..	1919	13	532	962	234	10,265	12,186		1919	7	96	2,710	122	2,289	2,926
	1914	11	313	924	155	3,819	4,729		1914	9	168	4,428	167	4,468	5,637
	1909	12	342	550	123	2,353	2,997	Marble and stone work.....	1909	9	138	3,567	110	3,531	4,315
Confectionery and ice cream..	1919	109	1,021	6,341	1,282	1,902	4,721		1919	109	1,021	6,341	1,282	1,902	4,721
	1914	127	1,579	7,050	1,159	1,211	3,121		1914	127	1,579	7,050	1,159	1,211	3,121
	1909	112	1,738	5,422	1,029	1,045	2,965		1909	112	1,738	5,422	1,029	1,045	2,965
Cooperage and wooden goods, not elsewhere specified.	1919	9	459	1,654	474	2,402	3,872	Mattresses and spring beds, not elsewhere specified.	1919	9	459	1,654	474	2,402	3,872
	1914	13	440	1,262	268	906	1,565		1914	13	440	1,262	268	906	1,565
	1909	15	453	1,192	248	810	1,568		1909	15	453	1,192	248	810	1,568

¹ Includes "pickles, preserves, and sauces."² Includes "carriage and wagon materials."³ Includes "tinware, not elsewhere specified," in all years; and "stamped and enameled ware, not elsewhere specified," in 1914 and 1909.⁴ Includes "automobile repairing," "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, welding"; "machine tools"; "steam fittings and steam and hot-water heating apparatus"; "steel barrels, drums, and tanks"; and "structural ironwork, not made in steel works or rolling mills," in all years; and "plumbers' supplies, not elsewhere specified," in 1914 and 1909.⁵ Includes "saddlery and harness" and "trunks and valises."⁶ Includes "boxes, wooden packing, except cigar boxes" and "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "pulp wood" and "window and door screens and weather strips" in 1914 and 1909.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Con.

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 of dollars.								Expressed in thousands of dollars.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
Millinery and lace goods, not elsewhere specified.	1919	23	541	187	483	1,047	2,068	Shipbuilding, wooden, in- cluding boat building.	1919	21	91	196	105	107	342
	1914	9	308	116	34	648	945		1914	30	125	352	89	157	317
	1909	8	498	12	152	598	931		1909	33	209	410	139	158	377
Mineral and soda waters.....	1919	114	213	357	198	793	1,544	Signs and advertising novel- ties.	1919	31	989	504	956	1,243	4,083
	1914	128	309	472	201	527	1,206		1914	28	238	84	158	287	503
	1909	114	246	282	140	318	808		1909	22	116	25	86	96	313
Oil, linseed.....	1919	6	483	4,102	647	28,796	33,238	Slaughtering and meat pack- ing. ³	1919	24	5,264	11,378	6,493	128,906	148,919
	1914	6	400	4,467	326	11,279	12,357		1914	29	2,587	5,260	1,817	41,736	47,710
	1909	6	374	3,821	250	9,685	11,037		1909	30	1,921	4,579	1,129	22,156	25,754
Optical goods.....	1919	11	83	47	84	302	610	Soap.....	1919	7	46	203	41	622	822
	1914	8	54	19	38	75	219		1914	6	46	185	24	463	614
	1909	6	25	8	15	21	82		1909	6	63	148	28	332	495
Paint and varnish.....	1919	17	144	652	133	1,882	2,898	Steam packing.....	1919	5	208	1,643	244	828	1,528
	1914	15	144	1,065	98	1,081	1,684		1914	5	174	1,250	114	354	753
	1909	14	164	420	101	889	1,489								
Paper and wood pulp.....	1919	9	2,523	50,106	2,994	11,409	20,138	Stoves and hot-air furnaces...	1919	12	236	338	232	406	1,055
	1914	8	1,345	53,259	983	3,245	5,573		1914	9	169	212	115	113	316
	1909	9	607	23,440	361	1,438	2,385		1909	10	185	113	121	245	600
Patent medicines and com- pounds and druggists' preparations. ¹	1919	75	646	2,345	414	3,159	7,270	Tobacco, cigars and cigarettes.	1919	216	891	62	742	1,472	3,205
	1914	99	613	945	285	2,341	4,879		1914	316	1,201	31	699	1,121	2,856
	1909	101	475	741	188	1,690	4,412		1909	332	1,611	36	831	1,248	3,350
Paving materials.....	1919	13	160	3,079	202	139	537	Woolen goods.....	1919	11	574	1,491	474	1,780	2,864
	1914	7	184	920	153	267	551		1914	10	448	1,200	229	850	1,298
	1909	9	168	45	157	39	350		1909	16	277	642	123	429	699
Photo-engraving.....	1919	11	299	82	361	233	969	All other industries.....	1919	403	13,678	102,507	18,208	93,775	140,678
	1914	11	234	84	227	91	606		1914	374	6,009	15,773	3,782	17,472	27,303
	1909	9	168	45	157	39	350		1909	430	7,438	20,262	3,792	16,616	27,187
Printing and publishing ²	1919	1,003	6,319	7,680	6,778	10,353	33,480								
	1914	994	6,134	7,101	4,259	5,560	20,187								
	1909	950	5,641	5,765	3,507	4,096	15,982								
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
DULUTH..... All industries.	1919	226	10,472	89,883	15,465	43,029	75,261	MINNEAPOLIS—Con. Artificial stone products.....	1919	28	120	333	168	224	590
	1914	243	5,538	14,914	3,365	11,518	19,729		1914	51	192	219	144	194	447
	1909	194	6,083	17,561	3,593	8,844	17,180		1909	28	176	141	103	83	251
Bread and other bakery products.	1919	15	134	99	147	619	1,022	Boxes, wooden packing, ex- cept cigar boxes.	1919	9	175	592	174	454	770
	1914	18	111	93	64	260	478		1914	9	244	945	141	456	633
	1909	13	59	21	34	189	312		1909	5	241	526	114	328	599
Confectionery.....	1919	12	148	76	113	327	683	Bread and other bakery products.	1919	115	1,698	1,759	1,372	7,188	12,404
	1914	10	81	51	34	187	347		1914	129	1,255	1,464	671	2,621	4,917
	1909	8	65	22	29	108	219		1909	100	897	560	481	2,036	3,605
Copper, tin, and sheet-iron work.	1919	10	150	247	192	386	613	Butter.....	1919	14	161	1,063	162	3,826	4,336
	1914	11	134	84	98	104	407		1914	8	62	382	35	1,330	1,524
	1909	6	54	5	42	58	144		1909	7	27	324	17	612	875
Foundry and machine-shop products.	1919	10	616	2,348	890	1,661	4,071	Cars and general shop con- struction and repairs by steam-railroad companies.	1919	6	5,120	3,570	6,696	5,238	12,498
	1914	15	491	1,767	352	794	1,641		1914	5	3,140	2,798	2,148	2,142	4,549
	1909	14	3,074	4,837	965	2,523	4,139		1909	3	2,576	1,674	1,863	2,338	4,309
Lumber and timber products ⁴	1919	10	750	4,210	801	1,747	3,645	Clothing, men's, including shirts.	1919	22	744	176	528	2,369	3,519
	1914	19	2,092	4,837	965	2,523	4,139		1914	21	795	160	341	1,125	1,732
	1909	14	3,074	7,350	1,692	2,636	5,562		1909	17	806	127	257	985	1,611
Printing and publishing ⁵	1919	34	357	599	434	603	2,122	Coffee, roasting and grinding..	1919	7	112	499	108	5,588	6,661
	1914	38	350	454	313	303	1,114		1914	5	78	256	40	1,628	2,038
	1909	35	377	439	281	256	983		1909	4	63	170	29	931	1,247
Tobacco manufactures.....	1919	10	53	2	49	106	226	Confectionery and ice cream..	1919	38	678	1,287	540	2,427	4,312
	1914	20	45	.....	26	43	124		1914	38	411	605	199	954	1,611
	1909	15	84	.....	51	68	180								
All other industries.....	1919	125	8,264	82,302	12,839	37,580	62,879	Cooperage.....	1919	8	461	650	464	1,693	2,642
	1914	112	2,234	7,578	1,513	7,244	11,479		1914	11	429	1,028	285	779	1,390
	1909	103	2,370	9,724	1,464	5,529	9,780								
MINNEAPOLIS..... All industries.	1919	1,421	33,154	113,212	41,275	362,834	491,383	Copper, tin, and sheet-iron work.	1919	58	361	178	393	1,075	1,082
	1914	1,340	28,295	109,040	18,895	131,199	187,854		1914	67	365	180	262	533	1,092
	1909	1,102	26,962	89,247	15,638	110,993	165,405		1909	47	365	162	248	401	939
Agricultural implements.....	1919	5	202	156	154	227	574	Electrical machinery, appa- ratus, and supplies.	1919	17	808	862	707	1,961	4,201
	1914	4	67	178	40	45	177		1914	10	168	302	109	255	558
	1909	7	392	523	277	486	1,099		1909	8	118	144	64	166	391
Artificial limbs.....	1919	9	94	84	123	106	464	Flour-mill and gristmill prod- ucts.	1919	18	3,641	47,710	4,979	201,367	227,606
	1914	5	65	50	42	31	163		1914	10	2,580	61,884	2,026	73,079	85,132
	1909	6	38	30	31	21	162		1909	13	2,279	50,598	1,530	70,953	78,670

¹ Includes "perfumery and cosmetics."² Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing," in all years; and "lithographing" in 1914 and 1909.³ Includes "sausage, not made in slaughtering and meat-packing establishments."⁴ Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "boxes, wooden packing, except cigar boxes," in 1914 and 1909.⁵ Includes "bookbinding and blank-book making" in 1914 and 1909.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Con.

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 of dollars.								Expressed in thousands of dollars.		
CITIES OF 50,000 INHABITANTS OR MORE--ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES--Continued.															
MINNEAPOLIS--Con.								ST. PAUL.....	1919	818	22,649	40,845	24,449	85,170	149,638
Food preparations, not else- where specified.	1919	22	419	2,108	396	6,462	9,263	All industries.	1914	737	19,483	38,886	12,796	35,819	68,682
	1914	15	305	956	188	2,285	3,803		1909	719	19,339	26,204	10,952	30,300	58,990
	1909	16	222	601	125	1,525	2,516	Boots and shoes.....	1919	6	1,191	1,308	1,164	4,877	7,777
Foundry and machine-shop products. ¹	1919	229	5,727	14,387	7,251	14,534	34,766		1914	4	1,055	673	657	2,036	3,045
	1914	150	3,558	5,125	2,749	5,662	12,017		1909	5	1,617	697	830	2,676	4,265
	1909	95	2,596	3,405	1,754	3,380	7,241	Bread and other bakery prod- ucts.	1919	68	745	815	596	3,713	5,599
Fur goods.....	1919	21	192	47	228	542	1,156		1914	64	372	503	294	951	1,561
	1914	19	127	39	85	285	500		1909	69	367	240	253	743	1,368
	1909	17	128	30	78	283	511	Butter.....	1919	11	129	928	146	7,956	9,038
Furniture.....	1919	29	945	1,443	1,012	2,000	4,196		1914	7	112	516	97	3,012	3,229
	1914	27	703	1,197	465	731	1,653		1909	6	50	535	30	1,918	2,120
	1909	23	809	1,073	447	818	1,651	Carriages and wagons, includ- ing repairs.	1919	8	289	605	313	700	1,379
Hats and caps, other than felt, straw, and wool.	1919	6	54	8	53	148	255		1914	14	308	733	199	369	717
	1914	5	21	11	12	38	54	Cars and general shop con- struction and repairs by steam-railroad companies.	1919	12	4,016	2,471	5,248	2,516	8,069
	1909	4	30	3	15	28	55		1914	7	3,068	4,170	2,155	1,513	3,816
Jewelry.....	1919	13	107	36	123	219	513		1909	7	2,406	3,521	1,577	1,846	3,640
	1914	10	92	33	60	52	168	Copper, tin, and sheet-iron work.	1919	21	168	121	199	381	793
	1909	8	76	31	48	55	156		1914	23	220	110	144	277	587
Leather goods ²	1919	24	185	136	218	1,041	1,596	Food preparations, not else- where specified.	1919	10	173	498	147	3,764	5,073
	1914	29	208	78	148	501	788		1914	5	86	133	45	588	936
	1909	14	260	98	147	503	923	Foundry and machine-shop products. ³	1909	9	168	109	66	917	1,208
Lumber, planing-mill prod- ucts, not including planing mills connected with saw- mills.	1919	24	1,070	3,630	1,268	2,908	5,420		1919	109	2,641	3,845	3,303	4,626	13,890
	1914	25	1,499	4,101	1,051	2,250	4,461		1914	61	1,766	6,406	1,256	2,082	4,474
	1909	24	1,861	4,373	1,094	2,631	4,719	Fur goods.....	1909	45	2,118	3,474	1,284	2,352	5,033
Marble and stone work.....	1919	13	92	988	120	170	479		1919	12	629	441	797	4,489	6,582
	1914	10	353	965	257	399	796		1914	10	675	306	447	2,825	3,509
	1909	10	279	352	209	273	555	Leather goods ²	1909	14	867	242	469	1,840	3,110
Mattresses and spring beds, not elsewhere specified.	1919	5	321	1,369	327	1,841	2,847		1919	18	627	243	645	3,279	5,067
	1914	6	292	1,105	195	609	1,113		1914	22	229	200	149	467	849
									1909	9	272	214	141	502	797
Models and patterns, not in- cluding paper patterns.	1919	9	44	47	66	20	140	Lumber and timber products ⁴ .	1919	19	658	3,285	635	2,270	3,936
	1914	7	30	37	21	10	48		1914	19	747	2,447	438	1,524	2,291
	1909	5	28	30	19	8	42		1909	17	654	2,804	352	1,034	1,679
Paints.....	1919	6	70	223	78	1,018	1,593	Marble and stone work.....	1919	13	110	930	144	228	551
	1914	6	76	742	58	636	950		1914	13	190	707	173	296	619
									1909	10	216	519	178	287	619
Patent medicines and com- pounds.	1919	22	185	111	132	1,012	2,389	Paint and varnish.....	1919	6	61	202	46	803	1,203
	1914	41	239	222	110	349	1,315		1914	6	58	322	30	417	706
	1909	44	109	268	74	394	1,362		1909	6	48	243	24	371	607
Photo-engraving.....	1919	7	231	54	233	203	627	Patent medicines and com- pounds and druggists' prep- arations. ⁷	1919	22	191	243	126	414	1,373
	1914	6	139	53	137	56	384		1914	28	88	235	46	215	633
	1909	5	104	22	93	25	204	Printing and publishing, book and job.	1909	25	99	158	45	212	728
Printing and publishing ⁵	1919	224	2,214	2,797	2,509	4,836	13,650		1919	82	1,364	1,389	1,334	1,591	5,824
	1914	230	2,027	2,447	1,475	2,124	7,896		1914	76	1,515	1,250	1,072	1,022	4,197
	1909	216	1,755	2,180	1,162	1,693	6,478	Printing and publishing, newspapers and periodicals.	1909	66	865	687	537	637	1,996
Signs and advertising novel- ties.	1919	20	304	78	247	293	893		1919	48	872	677	1,083	1,818	6,579
	1914	17	163	42	107	164	354		1914	44	735	967	512	1,811	3,533
									1909	39	1,084	1,063	759	846	3,702
Tobacco, cigars ⁴	1919	32	193	33	164	261	652	Tobacco, cigars ⁴	1919	34	358	18	239	606	1,250
	1914	44	174	4	113	179	445		1914	53	520	15	239	432	1,111
	1909	45	314	16	103	254	666	All other industries.....	1909	64	590	11	312	468	1,336
All other industries.....	1919	301	11,436	26,808	10,282	91,583	123,389		1919	319	8,427	22,826	8,234	41,149	65,955
	1914	320	8,438	21,432	5,175	29,697	45,080		1914	281	7,739	19,058	4,813	17,182	32,927
	1909	331	10,413	21,796	5,196	28,779	44,758		1909	328	7,928	11,687	4,056	13,651	28,782

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

HIBBING.....	1919	16	50	63	68	168	320	St. Cloud.....	1919	72	1,998	6,888	2,328	4,467	7,734
	1914	27	65	28	54	112	254		1914	77	1,429	3,724	864	1,288	2,095
	1909	69							1909	69	1,626	3,362	355	1,342	2,290
MANKATO.....	1919	56	771	3,291	728	7,952	9,766	WINONA.....	1919	73	2,534	10,468	2,161	19,273	25,120
	1914	64	755	2,618	434	3,217	4,344		1914	91	2,070	6,438	1,152	10,038	14,305
	1909	63	807	3,654	346	2,728	3,723		1909	99	2,032	8,628	1,024	7,330	11,200

¹ Includes "automobile repairing"; "engines, steam, gas, and water"; "iron and steel, welding"; "machine tools"; "steam fittings and steam and hot-water heating apparatus"; "steel barrels, drums, and tanks"; and "structural ironwork, not made in steel works or rolling mills," in all years; "hardware" in 1919 and 1909; and "gas machines and gas and water meters"; "hardware, saddlery"; and "plumbers' supplies, not elsewhere specified," in 1909.

² Includes "saddlery and harness" and "trunks and valises."

³ Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

⁴ Includes "tobacco, chewing and smoking, and snuff" in 1914 and 1909.

⁵ Includes "automobile repairing"; "engines, steam, gas, and water"; "steel barrels, drums, and tanks"; and "structural ironwork, not made in steel works or rolling mills," in all years; "hardware" in 1914; and "plumbers' supplies, not elsewhere specified," and "steam fittings and steam and hot-water heating apparatus" in 1914 and 1909.

⁶ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."

⁷ Includes "perfumery and cosmetics."

TABLE 30.—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.

																	Dollars.
1	All industries.....	6,225	147,678	5,128	6,003	13,288	6,736	115,623	De 122,250	My 109,489	(*)	(*)	(*)	(*)	(*)	(*)	679,386,486
2	Agricultural implements.....	18	618	3	50	41	23	501	Se 559	My 448	554	549	5	.....	.....	.....	2,623,932
3	Artificial limbs.....	12	170	13	15	21	25	96	No 101	Ap 91	101	79	22	.....	.....	.....	265,281
4	Artificial stone products.....	171	1,035	197	80	37	15	766	Jy 1,009	Ja 478	982	979	2	1	.....	.....	3,235,159
5	Automobile bodies and parts.....	48	637	44	43	26	19	405	De 454	Ja 328	481	467	14	.....	.....	.....	979,377
6	Automobile repairing.....	592	2,935	799	128	72	94	1,842	Jy 2,131	Ja 1,453	1,921	1,911	8	2	.....	.....	5,345,601
7	Awnings, tents, and sails.....	16	193	18	9	10	7	89	Je 114	Ja 65	97	53	44	.....	.....	.....	393,402
8	Babbitt and type metal.....	3	19	3	.....	.....	.....	.....	Se 14	Ja 8	14	13	1	.....	.....	.....	55,541
9	Belting, leather.....	3	153	.....	20	14	3	116	De 143	Ap 101	143	85	2	50	.....	.....	1,561,540
10	Bookbinding and blank-book making.....	18	151	23	5	2	2	119	Au 123	Se 115	127	67	68	1	1	.....	1,176,065
11	Boots and shoes.....	16	2,614	4	86	263	108	2,153	No 2,249	Ja 1,987	2,314	1,322	983	8	1	.....	10,617,683
12	Regular factory products.....	11	2,505	.....	70	251	105	2,073	No 2,249	Ja 1,987	2,225	1,282	934	8	1	.....	10,357,310
13	Overgaiters, moccasins, and leggings.....	5	109	4	10	12	3	80	No 91	Ja 59	89	40	49	.....	.....	.....	230,373
14	Boxes, set-up paper boxes and cartons.....	16	794	6	44	18	15	711	No 770	Ja 650	750	268	472	5	5	.....	1,353,932
15	Boxes, wooden packing, except cigar boxes.....	28	787	27	41	16	8	695	Au 773	Ja 621	754	690	35	29	.....	.....	1,897,027
16	Brass, bronze, and copper products.....	10	252	5	20	6	8	213	De 249	Je 192	250	243	13	.....	.....	.....	800,171
17	Bread and other bakery products.....	426	4,288	487	157	413	286	2,975	No 1,377	My 1,018	3,268	1,970	1,268	19	5	.....	8,981,750
18	Biscuit and crackers.....	3	1,447	.....	27	185	75	1,160	De 1,377	My 1,018	1,301	572	726	2	1	.....	3,181,804
19	All other.....	423	2,841	487	130	228	211	1,815	De 1,951	Ja 1,660	1,967	1,404	542	17	4	.....	5,799,946
20	Brick and tile, terra-cotta, and fire-clay products.....	34	929	27	54	32	17	799	.....	.....	1,041	1,018	.....	23	.....	.....	4,800,734
21	Building brick, including fire brick.....	22	505	25	31	20	9	420	Au 684	Ja 150	601	578	.....	23	.....	.....	2,361,792
22	Sewer pipe and drain tile.....	7	274	2	13	7	4	248	Se 302	Ja 165	290	290	.....	.....	.....	.....	1,759,303
23	Terra-cotta products.....	5	150	.....	10	5	4	131	Oc 186	Ja 33	150	150	.....	.....	.....	.....	679,639
24	Brooms.....	28	151	33	9	4	2	103	De 126	Fe 90	130	125	2	2	.....	.....	279,299
25	Butter.....	832	2,734	217	234	142	170	1,962	Je 2,278	Ja 1,702	1,905	1,750	149	6	.....	.....	42,854,461
26	Buttons.....	6	63	6	1	1	.....	54	De 32	Ap 31	83	78	5	.....	.....	.....	40,798
27	Canning and preserving, vegetables.....	25	558	3	81	8	10	456	Au 1,630	Fe 60	1,346	673	673	.....	.....	.....	1,741,480
28	Carpets, rag.....	9	34	13	1	.....	.....	20	De 30	Ja 14	34	20	14	.....	.....	.....	31,017
29	Carriages and wagons, including repairs.....	67	712	72	36	23	16	565	.....	.....	613	609	4	.....	.....	.....	2,845,567
30	Carriages and wagons.....	35	628	32	33	23	15	525	No 568	Je 480	573	569	4	.....	.....	.....	2,702,268
31	Repair work only.....	32	84	40	3	.....	1	40	Jy 43	Ja 35	40	40	.....	.....	.....	.....	143,299
32	Cars and general shop construction and repairs by electric-railroad companies.....	8	479	.....	24	11	8	436	De 511	Je 346	511	498	13	.....	.....	.....	2,027,634
33	Cars and general shop construction and repairs by steam-railroad companies.....	75	16,808	.....	381	294	157	15,976	Se 10,375	Au 15,190	15,809	15,620	189	.....	.....	.....	30,033,982
34	Cheese.....	66	123	25	6	1	2	89	Je 121	De 59	95	95	.....	.....	.....	.....	255,982
35	Chemicals.....	9	281	.....	18	67	34	162	Je 195	Ja 98	185	185	.....	.....	.....	.....	2,082,618
36	Cleansing and polishing preparations.....	6	62	2	11	21	8	20	Jy 24	Ja 16	19	16	3	.....	.....	.....	163,545
37	Clothing, men's.....	34	1,793	32	49	110	41	1,561	De 974	.....	1,819	289	1,530	.....	.....	.....	3,736,233
38	Men's and youths'.....	12	890	4	25	49	16	766	De 775	Mh 755	913	161	752	.....	.....	.....	2,156,361
39	All other.....	12	772	10	20	61	24	687	De 775	Mh 755	913	161	752	.....	.....	.....	1,552,003
40	Contract work.....	10	131	18	4	.....	1	108	De 152	Jy 73	151	51	100	.....	.....	.....	27,899
41	Clothing, women's.....	23	339	30	36	47	16	220	.....	.....	311	17	204	.....	.....	.....	680,573
42	Suits, skirts, and cloaks.....	4	39	2	9	2	2	24	De 30	Se 20	35	7	23	.....	.....	.....	78,241
43	All other.....	19	800	18	27	45	14	196	No 267	Ja 89	276	10	266	.....	.....	.....	602,332
44	Coffee, roasting and grinding.....	13	852	6	68	160	86	532	Jy 532	Mh 480	536	272	264	.....	.....	.....	3,653,455
45	Coffins, burial cases, and undertakers' goods.....	7	311	1	23	35	7	247	Mh 281	De 221	219	169	49	1	.....	.....	1,485,522
46	Coke, not including gas-house coke.....	3	510	.....	13	67	4	426	De 483	Ja 367	483	481	2	.....	.....	.....	9,508,441
47	Condensed milk.....	5	117	2	11	9	11	84	Je 102	Ja 63	91	66	25	.....	.....	.....	1,223,556
48	Confectionery and ice cream.....	117	2,510	129	97	227	104	1,959	De 2,305	Ja 1,337	2,488	814	1,672	1	1	.....	5,508,985
49	Confectionery.....	85	2,195	92	77	206	77	1,743	De 2,305	Ja 1,337	2,275	631	1,642	1	1	.....	4,345,985
50	Ice cream.....	32	321	37	20	21	27	216	Au 282	Ja 150	213	183	30	.....	.....	.....	1,162,999
51	Cooperage.....	11	635	3	32	14	11	575	.....	.....	598	583	15	.....	.....	.....	1,761,687
52	Hogheads and barrels.....	7	318	3	18	3	3	291	Ja 308	Jy 279	302	298	4	.....	.....	.....	862,415
53	All other.....	4	317	.....	14	11	8	284	Fe 305	My 245	296	285	11	.....	.....	.....	899,272
54	Copper, tin, and sheet-iron work.....	128	1,074	132	67	80	37	758	No 941	Fe 542	886	876	7	8	.....	.....	2,795,671
55	Dairymen's, poultrymen's, and ap- plists' supplies.....	6	152	1	8	47	10	86	Ap 92	Au 82	97	95	2	.....	.....	.....	724,245
56	Dental goods.....	8	194	5	3	8	26	152	(*) 152	(*) 152	153	106	46	1	.....	.....	140,377
57	Druggists' preparations.....	6	217	2	33	6	54	142	Jy 152	Ja 123	148	51	97	.....	.....	.....	1,075,297
58	Electrical machinery, apparatus, and supplies.....	20	1,230	7	54	151	76	942	De 1,005	Ja 916	982	635	334	13	.....	.....	2,372,860
59	Electroplating.....	7	45	7	2	3	3	30	Au 33	My 28	33	30	2	1	.....	.....	50,458
60	Engines, steam, gas, and water.....	14	2,377	1	118	578	153	1,529	Mh 1,893	De 1,154	1,623	1,618	5	.....	.....	.....	21,952,666
61	Engraving and diesinking.....	5	9	5	.....	.....	.....	4	(*) 96	(*) 96	5	5	.....	.....	.....	.....	4,287
62	Engraving, steel and copper plate, including plate printing.....	7	101	7	1	8	5	80	De 96	Jy 73	91	39	51	1	.....	.....	93,063
63	Envelopes.....	6	458	2	20	25	13	398	Oc 430	Ja 331	400	279	121	.....	.....	.....	459,569
64	Fancy articles, not elsewhere spec- ified.....	5	139	3	10	9	26	91	De 207	Fe 40	207	22	171	.....	14	.....	195,639
65	Flour-mill and gristmill products.....	248	10,686	180	612	2,988	857	6,049	De 6,504	Mh 5,607	6,561	6,380	174	7	.....	.....	111,866,446

* 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).

* No figures given for reasons stated under "Explanation of terms."

COMBINED AND SPECIFIED INDUSTRIES: 1919.

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

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
20,985,965	24,374,361	127,100,505	4,005,045	3,427,503	21,634,431	860,607,299	22,482,478	1,218,120,735	335,039,658	473,957	173,815	24,371	33,848	73,661	168,262	87,154	1
115,826	77,836	498,176	253	1,619	26,929	1,319,700	35,570	2,341,311	986,041	723	340	.....	14	.....	369	221	2
35,554	40,365	125,067	828	13,551	7,039	108,277	3,273	481,863	370,313	89	.....	.....	10	.....	79	.....	3
142,030	67,036	802,248	25,077	13,990	34,129	1,197,381	86,387	3,046,315	1,763,047	3,111	782	.....	451	75	1,803	35	4
80,979	38,904	450,559	2,955	35,768	23,417	850,290	26,899	1,763,048	885,862	611	.....	.....	4	.....	607	.....	5
207,516	119,399	2,295,942	44,932	217,594	63,755	1,993,318	170,650	9,282,481	7,118,513	2,830	22	.....	743	.....	2,065	23	6
14,323	28,234	82,135	.....	13,426	13,224	337,434	3,401	580,467	230,632	62	.....	.....	.....	.....	62	.....	7
6,613	925	11,939	.....	2,136	353	96,337	2,124	141,442	39,981	8	.....	.....	.....	.....	8	.....	8
30,678	29,138	130,028	.....	11,240	33,758	1,189,164	6,584	1,808,535	612,787	120	40	.....	.....	.....	80	.....	9
5,636	2,760	94,239	2,791	7,369	1,573	69,144	2,662	245,277	173,471	50	.....	.....	.....	.....	50	.....	10
361,479	992,048	1,017,240	5,808	35,856	248,453	7,083,058	60,045	12,644,659	4,901,556	1,738	.....	.....	.....	.....	1,738	.....	11
328,399	668,129	1,845,785	.....	30,965	245,146	7,456,372	59,180	12,228,839	4,713,287	1,705	.....	.....	.....	.....	1,705	.....	12
33,080	24,519	71,461	5,868	4,891	3,342	226,088	865	415,820	188,269	33	.....	.....	.....	.....	33	.....	13
119,240	65,778	482,918	2,000	30,836	37,508	938,155	26,775	2,085,980	1,123,050	523	.....	.....	.....	.....	523	.....	14
131,515	29,393	691,745	.....	8,854	45,721	2,161,031	29,340	3,454,239	1,263,862	2,525	1,556	.....	.....	.....	969	103	15
50,460	19,238	240,771	.....	5,700	20,324	519,471	30,762	1,017,680	467,447	393	.....	.....	.....	.....	393	.....	16
395,833	1,000,450	2,593,101	0,256	249,003	108,575	13,623,934	382,150	22,815,456	8,809,372	3,234	1,241	.....	14	.....	1,979	761	17
65,719	439,587	805,949	.....	65,701	60,902	3,827,755	83,563	7,366,856	3,455,538	1,052	.....	.....	.....	.....	231	504	18
330,114	600,893	1,780,212	0,256	183,212	98,673	9,796,179	298,587	15,448,600	5,353,834	2,182	.....	.....	14	.....	1,748	257	19
124,810	55,393	894,062	73	8,000	51,682	306,206	503,112	2,293,396	1,484,078	5,224	3,270	370	67	.....	1,617	545	20
73,820	29,873	441,517	73	.....	20,248	130,321	250,251	1,150,576	770,004	2,618	1,652	.....	30	.....	936	500	21
25,465	17,145	238,988	.....	.....	20,444	154,179	152,650	742,128	435,299	1,865	1,408	370	7	.....	80	45	22
20,525	8,315	153,557	.....	8,000	4,090	21,706	100,211	400,692	278,775	741	210	.....	30	.....	501	.....	23
10,182	10,830	118,916	.....	3,294	2,238	312,837	4,063	563,034	246,184	106	.....	.....	10	.....	96	.....	24
376,192	312,057	2,237,868	45,738	46,769	248,379	81,860,264	570,887	88,882,271	6,951,120	14,644	9,716	179	776	71	3,902	965	25
2,598	.....	43,505	.....	250	799	35,583	1,376	88,261	51,337	48	.....	.....	.....	.....	48	.....	26
120,005	8,192	251,511	3,714	647	34,647	1,037,849	27,271	1,792,165	727,045	1,309	647	.....	72	.....	680	30	27
2,200	.....	15,798	200	2,001	121	6,165	1,464	47,595	36,966	49	.....	.....	.....	.....	49	.....	28
89,092	71,365	648,005	.....	9,581	76,294	1,450,372	49,318	2,969,738	1,470,048	1,501	970	.....	120	.....	411	915	29
83,895	70,665	603,335	.....	5,014	74,129	1,399,692	44,866	2,787,775	1,343,217	1,337	970	.....	54	.....	313	915	30
5,227	700	44,870	.....	4,567	2,165	50,680	4,452	181,963	126,831	164	.....	.....	66	.....	98	.....	31
49,552	20,511	548,909	.....	82	4,219	396,585	43,876	1,065,144	624,083	1,285	.....	.....	.....	.....	1,285	.....	32
1,047,752	568,567	21,070,163	57,021	.....	.....	11,593,979	1,008,675	35,350,764	22,658,210	15,157	7,252	1,416	142	.....	6,847	9,725	33
3,029	403,426	89,729	.....	4,706	1,826	2,481,755	24,125	2,838,135	332,255	505	438	.....	14	.....	53	.....	34
58,107	126,364	188,223	.....	51,732	60,572	484,624	138,908	1,455,658	832,126	1,105	75	.....	100	.....	980	10	35
23,314	40,711	21,510	2,440	1,876	1,587	520,887	3,373	727,745	203,485	37	.....	.....	.....	.....	37	.....	36
147,119	169,948	1,103,099	43,828	54,328	134,309	4,810,840	28,962	7,065,358	2,225,556	642	226	.....	.....	.....	416	22	37
74,067	54,214	586,706	.....	35,533	59,910	2,761,054	16,818	3,686,734	908,882	230	2	.....	.....	.....	228	.....	38
67,099	116,609	435,592	43,828	16,055	73,634	2,041,484	10,579	3,237,718	1,185,655	391	224	.....	.....	.....	167	22	39
5,953	125	80,801	.....	2,690	765	8,802	1,565	140,906	131,039	21	.....	.....	.....	.....	21	.....	40
77,279	19,634	140,894	.....	17,807	5,424	466,119	4,047	806,235	426,069	71	.....	.....	.....	.....	71	.....	41
12,450	2,565	15,046	.....	1,820	948	6,580	3,327	120,855	53,078	10	.....	.....	.....	.....	10	.....	42
64,820	17,069	125,248	.....	15,487	4,476	399,539	3,720	775,350	372,921	61	.....	.....	.....	.....	61	.....	43
165,235	205,638	233,535	5,120	38,007	122,842	10,223,297	41,663	12,185,989	1,921,029	962	100	.....	.....	.....	862	142	44
123,777	97,467	235,540	184	6,360	140,609	653,112	8,986	1,593,240	931,142	248	168	.....	.....	.....	80	.....	45
46,406	86,495	694,714	.....	118,349	457,473	4,513,873	4,513,873	6,468,654	1,497,308	7,774	2,618	112	.....	.....	5,044	420	46
23,378	19,781	70,539	500	7,950	7,878	1,541,176	41,812	1,865,190	282,211	724	352	.....	.....	.....	872	.....	47
325,517	557,482	1,222,465	1,500	140,129	544,287	5,559,950	127,050	10,055,805	4,368,205	2,340	570	.....	8	.....	1,702	352	48
263,283	499,914	971,979	600	127,170	460,149	4,117,625	83,126	7,594,102	3,393,351	1,119	545	.....	.....	.....	574	352	49
62,234	57,568	250,486	900	12,959	84,138	1,442,325	44,524	2,461,703	974,854	1,221	25	.....	8	.....	1,188	.....	50
108,902	35,950	574,677	6,832	116,336	2,001,262	24,130	3,199,313	1,173,921	575,711	985	825	40	.....	.....	120	.....	51
48,234	9,422	322,966	.....	23,419	1,050,127	20,098	1,645,936	575,711	525	405	.....	.....	.....	.....	120	.....	52
60,668	26,528	251,711	.....	92,917	951,135	4,032	1,553,377	598,210	480	480	420	40	.....	.....	582	.....	53
180,001	73,962	870,165	8,486	34,149	40,621	2,037,026	25,862	3,802,994	1,740,108	586	.....	.....	4	.....	78	.....	54
30,933	69,778	100,311	.....	100,311	14,348	312,119	4,396	764,899	448,384	128	.....	.....	50	.....	.....	.....	55
2,845	25,590	150,233	.....	8,231	30,738	697,772	1,234	945,906	246,900	36	.....	.....	.....	.....	36	.....	56
72,933	86,040	86,040	.....	8,961	5,102	252,765	5,439	618,798	360,594	87	40	.....	.....	.....	47	6	57
255,055	299,234	753,004	8,343	17,378	160,213	1,976,575	56,773	4,353,949	2,320,601	881	.....	.....	.....	.....	881	.....	58
4,152	4,930	32,188	.....	4,435	586	20,867	5,520	100,536	74,199	102	.....	.....	.....	.....	102	.....	59
346,530	994,926	1,907,956	318,729	9,411	331,288	4,481,878	97,907	12,946,297	8,866,512	2,235	50	.....	16	.....	2,169	.....	60
2,080	7,238	63,923	1,200	714	1	103	25	13,219	13,091	30	.....	.....	.....	.....	30	.....	61
41,956	54,657	177,374	.....	11,753	9,210	285,245	6,022	674,393	383,126	131	.....	.....	.....	.....	131	.....	62
38,067	45,480	55,455	7,129	5,260	4,463	120,193	370	331,016	204,453	12	.....	.....	.....	.....	12	.....	63
2,021,226	3,870,348	7,780,555	45,933	669,266	3,355,611	335,682,145	2,190,367	381,248,891	43,376,379	114,764	36,591	14,316	1,017	32,420	30,420	18,947	64

¹ Same number reported for one or more other months.² Same number reported throughout the year.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.		Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.				
						Male.	Female.	Average number.	Number, 15th day of—		Male.		Female.	Male.	Female.				
									Maximum month.	Minimum month.									
1	Food preparations, not elsewhere specified.	41	926	27	79	123	73	624				773	418	354	1	Dollars. 5,287,989			
2	Breadstuff preparations, cereals, and breakfast foods.	10	337		33	40	30	228	Se	263	Je	177	245	72	173	2,332,198			
3	Macaroni, vermicelli, and noodles.	4	157	1	10	24	7	115	De	164	Je	84	137	63	73	462,477			
4	Sweetening sirups, other than cane.	7	161	13	11	8	12	117	Se	182	Ap	87	179	117	62	1,251,295			
5	All other.	20	271	13	25	45	24	164	Jy	204	Mh	126	212	166	46	1,242,019			
6	Foundry and machine-shop products.	216	7,705	165	449	578	330	6,183	Oc	477	Je	336	6,483	6,301	91	24,850,387			
7	Boiler shops.	10	490	6	30	31	5	424	Oc	477	Je	336	427	426	1	2,309,740			
8	Foundries.	24	1,284	19	46	87	36	1,096	Oc	1,246	Je	921	1,307	1,261	46	2,868,215			
9	Machine shops.	151	3,747	103	273	346	229	2,791	De	3,014	Je	2,020	2,874	2,842	31	12,821,183			
10	Machine shop and foundry combined.	31	2,178	32	100	114	60	1,872	Ja	3,137	My	1,620	1,875	1,862	13	6,791,244			
11	Fur goods.	45	1,387	43	68	243	108	905	De	1,070	Mh	785	971	373	597	4,454,010			
12	Furniture.	59	1,857	44	100	81	45	1,587	De	1,640	Ja	1,109	1,887	1,798	81	5,600,209			
13	Wood furniture, other than rattan and willow.	35	1,584	17	84	74	34	1,375	De	1,640	Ja	1,109	1,648	1,559	81	3,922,008			
14	Rattan and willow, and metal furniture.	6	26	7			2	17	Jy	27	Ja	2	22	22		27,055			
15	Store and office fixtures.	18	247	20	16	7	9	195	No	227	Fe	159	217	217		551,146			
16	Furs, dressed.	5	103	5	3	2	2	91	De	109	Ap	62	107	100	7	195,955			
17	Gas and electric fixtures.	7	109	2	16	12	4	75	De	88	Ap	66	89	83	6	237,108			
18	Gas, illuminating and heating.	23	1,028		73	157	91	707	Je	783	Fe	632	734	727	7	21,481,659			
19	Glass, cutting, staining, and ornamenting.	17	174	5	24	13	13	119	De	136	Ja	99	145	133	12	392,710			
20	Glucose and starch.	6	31		14	1		16	Ap	37	Au	6	32	31	1	152,198			
21	Grease and tallow, not including lubricating greases.	10	39	11	6		2	20					21	21		131,706			
22	Soap stock.	5	18	5	3		1	9	(4)	9	(4)	9	8	8		64,535			
23	All other.	5	21	6	3		1	11	De	13	Ap	9	13	13		67,171			
24	Hand stamps.	10	99	17	6	4	13	59	De	65	Ja	51	63	47	16	155,720			
25	Hats and caps, other than felt, straw, and wool.	11	116	20	4	5	4	83	Se	89	Ja	77	88	58	30	282,211			
26	Ice, manufactured.	5	122		15	7	7	93	Au	105	Ja	76	94	93	1	899,401			
27	Ink, writing.	3	9					4	(4)	4	(4)	4	4	4	2	7,583			
28	Iron and steel, welding.	10	81	10	5		2	14	Ap	15	Ja	13	13	13		76,905			
29	Jewelry.	22	206	26	9	15	15	150	De	156	Fe	143	153	146	7	205,448			
30	Knit goods.	16	4,034	9	56	117	288	3,564	Mh	4,171	De	3,026	3,033	527	2,505	11,014,213			
31	Leather goods, not elsewhere specified.	11	839	4	37	75	40	683	De	834	Mh	588	753	279	474	2,200,721			
32	Lime.	5	198	5	12	8	6	167	My	211	Fe	99	184	184		558,447			
33	Liquors, malt.	28	1,415	12	127	197	43	1,036	Je	1,389	Jy	778	975	972	3	18,988,274			
34	Looking-glass and picture frames.	12	70	10	8	6	9	37	De	51	My	32	44	41	2	220,372			
35	Lumber and timber products.	244	13,384	261	182	278	61	12,602	Fe	15,810	My	9,753	17,877	17,713	152	38,601,513			
36	Lumber, planing-mill products, not including planing mills connected with sawmills.	94	2,689	78	165	180	78	2,188	De	2,690	Ja	1,556	2,578	2,537	20	8,994,879			
37	Machine tools.	5	224	3	10	25	23	163	De	198	Je	102	197	197		778,024			
38	Malt.	7	129		18	13	2	96	Jy	121	De	62	112	112		4,409,012			
39	Marble and stone work.	109	1,300	106	73	79	21	1,021					1,165	1,160	4	2,870,443			
40	Monuments and tombstones.	90	890	96	37	56	17	684	De	744	Ja	600	773	771	1	2,058,689			
41	All other, except slate.	19	410	10	36	23	4	337	Se	409	Ja	219	392	389	3	792,804			
42	Mattresses and spring beds, not elsewhere specified.	9	592	6	46	41	40	459	Au	533	Ja	346	505	434	71	2,486,943			
43	Millinery and lace goods, not elsewhere specified.	23	722	16	41	82	42	541					591	34	555	1,166,836			
44	Embroideries.	6	20	6	1		2	11	Ap	12	Ja	10	13	1	11	10,959			
45	Trimmed hats and hat frames.	8	629	6	31	82	31	479	Fe	753	Jy	340	523	27	496	1,094,228			
46	All other.	9	73	4	9		5	51	De	57	Ja	43	55	6	43	61,649			
47	Mineral and soda waters.	114	438	132	36	36	21	213	Jy	204	De	158	212	189	11	1,339,966			
48	Mineral and carbonated waters.	109	410	130	32	25	18	205	Ja	294	De	158	205	182	11	1,284,901			
49	All other.	5	28	2	4	11	3	8	Ja	9	De	7	7	7		55,065			
50	Models and patterns, not including paper patterns.	16	155	23	1	2	5	124	Oc	167	My	86	134	134		177,010			
51	Musical instruments and materials, not elsewhere specified.	3	6	3				3	(4)	3	(4)	3	3	3		3,240			
52	Oil, linseed.	6	617		30	65	39	483	Jy	577	My	416	504	498	6	19,648,821			
53	Optical goods.	11	157	4	14	29	27	83	Se	85	Ja	78	84	78	6	320,840			
54	Paints.	12	244	5	30	72	20	117	Ja	128	No	101	112	85	27	1,948,785			
55	Paper and wood pulp.	9	2,771	88	95	67	2,523	Au	2,681	Au	2,305		2,642	2,479	163	24,634,705			
56	Patent medicines and compounds.	51	906	29	82	175	159	461	Jy	426	Ja	325	444	201	237	7,939,775			
57	Patent and proprietary medicines.	33	734	19	56	151	140	368	Jy	426	Ja	325	355	157	196	7,493,837			
58	Patent and proprietary compounds, not elsewhere specified.	18	172	10	26	24	19	93	Jy	115	Ja	70	89	44	41	445,938			
59	Paving materials.	13	190	5	16	8	1	160	Jy	223	Fe	75	241	241		745,794			
60	Perfumery and cosmetics.	18	197	8	10	121	15	43	Se	50	Fe	35	52	23	28	172,401			
61	Photo-engraving.	11	898	4	26	39	30	299	De	302	Ja	295	303	263	40	1,307,424			
62	Photographic materials.	6	37	5	3	3	5	21	Au	23	Ja	19	21	16	4	74,463			
63	Pickles, preserves, and sauces.	13	299	6	25	31	10	227	Au	614	Fe	118	267	138	129	936,505			

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

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

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

Dollars. 250,733	Dollars. 278,979	Dollars. 575,851	Dollars. 39,663	Dollars. 39,021	Dollars. 303,640	Dollars. 10,308,757	Dollars. 109,877	Dollars. 14,706,653	Dollars. 4,288,519	3,090	437				2,653	145	1
123,047	128,816	180,214	3,663	5,050	118,024	3,414,269	23,153	5,163,789	1,721,307	658	150				508	85	2
32,485	43,159	102,462		1,000	12,635	613,520	14,190	937,621	309,911	388	50				388		3
43,053	26,068	94,020	36,000	13,398	143,055	3,472,599	19,188	4,628,702	1,136,935	413	223				190	60	4
52,148	80,330	180,555		10,573	20,226	2,808,369	47,866	3,976,541	1,120,306	1,631	14				1,617		5
1,413,808	1,218,270	7,432,071	85,034	106,710	1,161,371	12,001,995	711,652	31,864,771	19,151,124	11,903	1,485	1,333	228	9	8,908	4,206	6
142,515	75,318	530,733	16	528	332,201	1,064,609	39,158	2,551,206	1,447,439	1,714	250				1,458		7
205,405	90,933	1,492,768	100	30,695	239,135	2,367,882	285,474	5,869,060	3,215,704	1,820	235				1,571		8
770,374	779,083	3,089,240	82,288	73,425	298,252	5,880,017	185,093	16,100,993	10,035,888	4,725	175	1,333	125	0	3,043	3,043	9
295,509	272,931	2,319,330	2,630	2,064	331,783	2,689,487	201,927	7,343,512	4,452,002	3,704	825				2,798	1,163	10
267,370	433,287	1,086,583	7,819	113,586	310,480	5,181,310	22,963	8,062,800	2,858,587	515					512		11
407,014	184,613	1,635,677	1,403	46,884	173,443	2,079,422	82,815	6,805,090	3,742,853	2,814	1,466				1,348	26	12
835,633	154,189	1,371,442	1,053	37,787	164,331	2,637,993	66,874	5,951,766	3,240,889	2,393	1,391				1,002	26	13
	852	14,582		2,125	180	20,832	276	70,382	40,274	9					9		14
71,981	29,872	240,653	350	6,972	8,932	311,597	15,665	782,952	455,690	412	75				387		15
11,820	5,340	117,458	1,000	1,800	1,377	44,063	8,620	232,370	179,687	192	100	50			42	60	16
32,408	20,016	75,283	5,392	8,269	2,943	200,821	3,164	427,523	223,538	91					91		17
204,849	254,898	898,656		2,300	308,655	658,994	1,748,827	5,517,832	3,110,061	5,008	3,024	2,330	125		429	250	18
51,895	22,488	103,089	401	14,081	5,814	544,532	6,176	832,317	281,009	92					92		19
2,280	53	14,953	135	68	8,352	62,230	5,320	89,016	21,466	263	252		3		8		20
23,817	1,095	28,806	370	0,301	111,129	7,476		262,070	133,465	188	165		8		15		21
5,725	315	15,043		270	3,322	21,305	3,035	87,496	63,156	95	80				15		22
18,092	780	13,763		100	5,979	89,824	4,441	164,574	70,369	93	85		8				23
19,100	12,519	50,448	60	12,590	5,630	69,786	2,874	250,301	177,641	42					42		24
7,000	11,664	88,838		10,434	657	288,197	1,025	462,703	173,481	18					18		25
25,740	11,115	90,634		22,190	34,657	55,194	333,078	243,227	1,671				100		1,571		26
5,240	600	3,231		920	75	7,623	386	27,545	19,536						33		27
8,553	1,461	18,129	4,747	3,307	534	18,949	3,028	95,182	73,205	33					53		28
10,200	16,488	179,047		12,374	2,843	266,281	2,210	663,691	395,200	53					280	1,462	29
306,420	615,010	2,207,950	60	33,186	422,443	7,408,285	78,325	13,984,944	6,498,334	1,480	1,200				182		30
192,685	172,436	623,651		22,614	91,441	2,544,079	12,567	4,052,079	1,494,833	194					42		31
32,160	13,620	169,381		250	16,748	77,846	42,073	427,439	307,520	260	200		13		80		32
515,629	232,282	1,842,931	16,958	3,200	1,731,625	1,820,810	216,924	7,712,734	5,665,994	7,125	6,037		15		1,073	1,135	33
18,147	18,681	39,260		11,237	3,080	180,765	2,198	327,133	144,170	36					36		34
607,612	525,751	9,668,133	1,104,788	35,779	1,921,398	17,037,873	132,725	87,321,051	20,150,453	36,478	32,028	2,073	525	35	1,817	2,540	35
399,412	514,549	2,413,479	4,335	24,139	197,323	6,414,926	113,231	11,804,330	5,276,173	8,968	5,537		163	50	3,108	543	36
25,325	32,383	182,168	55,054	6,720	13,116	207,584	13,618	827,184	605,982	334					334		37
70,687	19,673	121,510		97,600	2,168,763	120,318	2,926,102	637,021	2,710	2,187					523	2,168	38
151,254	130,459	1,282,349	46,322	16,364	56,000	1,779,686	122,123	4,721,138	2,819,329	6,341	1,112		173		5,056	75	39
80,250	103,394	894,975	30,322	6,680	43,611	1,431,220	73,712	3,501,505	1,996,573	3,448					2,801	10	40
71,004	27,065	387,374	16,000	9,684	12,389	348,466	48,411	1,219,633	822,766	2,893	632				2,255	65	41
183,380	162,960	474,439		6,250	31,509	2,368,901	33,362	3,871,893	1,469,630	1,654	375				1,279		42
129,749	83,299	483,359		36,361	44,334	1,037,649	9,627	2,068,046	1,020,770	187	125				62	44	43
1,040	1,248	9,553		3,610	72	8,186	163	31,412	23,093	5					5		44
117,761	76,078	440,098		24,849	43,047	935,335	8,710	1,887,109	893,064	167	125				42	44	45
10,948	5,973	33,708		7,892	1,215	44,128	754	149,525	104,643	15					15		46
59,128	59,549	198,411	751	22,187	112,553	771,203	21,891	1,543,808	750,654	357	35				270		47
53,496	50,215	191,534	751	19,205	109,718	738,085	21,468	1,471,755	712,202	350					269		48
5,632	9,334	6,877		2,982	2,835	33,178	423	72,053	58,452	7					1		49
1,939	5,783	135,196	500	5,360	1,906	111,680	6,300	331,316	213,330	135					135		50
		3,914		905	76	926	115	9,981	8,940	5					5		51
342,482	125,260	646,813		333,945	28,623,332	172,652	33,237,740	4,441,756	4,102	2,480					1,622	79	52
42,138	49,435	83,906	1,050	15,131	11,830	300,134	2,036	616,052	313,882	47					47		53
90,846	133,647	118,427		167,350	1,593,952	1,001,100	2,612,132	901,100	620	80					540	14	54
410,502	214,269	2,993,895		748,238	10,027,035	1,381,833	20,138,482	8,729,614	59,106	11,350	565			40,036	4,155	8,794	55
308,253	453,160	295,073	9,969	84,621	448,773	2,696,968	25,095	6,302,629	3,580,566	2,234	6			7	2,221		56
216,595	405,172	238,070	8,149	24,257	438,251	2,212,781	20,760	5,468,998	3,235,457	2,187					2,187		57
91,663	47,988	57,003	1,820	10,364	10,522	484,187	4,335	833,631	345,109	47					34		58
39,030	10,612	202,477	27,644	13,835	125,731	97,118	42,176	537,325	398,031	3,079	870			10	2,190		59
14,424	21,315	33,206		12,101	5,154	176,054	2,338	345,293	169,851	24					24		60
92,454	92,691	361,039	4,695	20,877	7,830	227,791	4,840	969,053	736,432	82					82		61
6,480	5,856	14,917		3,636	1,278	47,225	1,816	137,772	88,731	24					24		62
59,658	80,250	179,081		1,759	60,906	1,252,650	11,397	1,707,694	443,647	236	35			51	150		63

* Same number reported for one or more other months.

* Same number reported throughout the year.

TABLE 30.—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.

1	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	10	144	12	6	21	17	88	De	144	Mh	61	146	143	.....	3	.....	Dollars. 339,268
2	Printing and publishing, book and job.	277	4,412	259	301	355	435	3,062	.....	.....	.....	.....	3,266	2,153	1,084	27	2	11,725,692
3	Job printing.	258	3,399	244	243	212	223	2,477	De	2,663	Ja	2,356	2,617	1,828	761	26	2	7,885,447
4	Book printing and publishing.	8	795	3	48	139	203	402	De	457	Fe	371	458	164	294	.....	.....	3,506,034
5	Linotype work and typesetting.	11	218	12	10	4	9	183	De	189	Au	170	191	161	29	1	.....	334,211
6	Printing and publishing, newspapers and periodicals.	701	5,713	641	408	914	602	3,058	.....	.....	.....	.....	3,235	2,484	683	60	8	14,794,809
7	Printing and publishing.	23	910	12	50	256	113	479	No	493	Se	467	490	430	60	.....	.....	4,202,263
8	Printing, publishing, and job printing.	571	4,370	571	270	566	434	2,529	No	2,685	Ja	2,409	2,686	2,018	605	59	4	10,204,011
9	Publishing without printing.	107	433	58	88	92	145	50	De	53	Fe	49	59	36	18	1	4	388,535
10	Printing materials.	4	23	6	5	1	1	10	(¹)	10	(¹)	10	11	11	.....	.....	.....	50,169
11	Saddlery and harness.	51	638	49	42	31	30	436	De	479	Je	407	489	454	34	1	.....	2,367,647
12	Sand-lime brick.	3	86	.....	8	5	4	69	No	101	Mh	24	106	104	2	.....	.....	242,626
13	Sausage, not made in slaughtering and meat-packing establishments.	11	62	14	4	9	2	33	Se	36	Ja	30	35	35	.....	.....	.....	95,878
14	Shipbuilding, wooden, including boat building.	21	126	23	7	.....	5	91	Jy	115	No	67	109	107	2	.....	.....	311,701
15	Shirts.	9	337	4	19	46	15	253	De	304	Ap	232	261	41	215	2	3	845,733
16	Show cases.	5	90	5	8	4	2	71	De	108	Ja	48	109	109	.....	.....	.....	356,971
17	Signs and advertising novelties.	31	1,404	20	64	204	127	989	.....	.....	.....	.....	1,176	393	783	.....	.....	2,105,590
18	Electric and other signs.	27	247	20	19	9	11	188	No	221	My	163	215	153	62	.....	.....	388,885
19	Advertising novelties.	4	1,157	.....	45	195	116	801	Oc	1,007	Ja	529	961	240	721	.....	.....	1,736,705
20	Slaughtering and meat packing.	13	6,636	11	249	855	200	5,231	De	6,018	My	4,855	5,599	5,147	452	.....	.....	24,731,277
21	Soap.	7	84	3	6	22	7	46	Au	57	De	37	44	33	11	.....	.....	453,144
22	Statuary and art goods.	5	48	7	4	.....	2	35	Se	44	Ja	21	40	37	3	.....	.....	60,401
23	Steam fittings and steam and hot-water heating apparatus.	6	230	2	19	27	22	160	No	200	My	104	224	223	1	.....	.....	809,766
24	Steam packing.	5	283	1	17	42	15	208	Oc	227	My	193	214	208	6	.....	.....	1,129,430
25	Stereotyping and electrotyping.	4	50	1	6	2	3	44	Jy	49	Ja	29	49	49	.....	.....	.....	100,491
26	Stoves and hot-air furnaces.	12	322	9	18	37	22	236	.....	.....	.....	.....	242	232	10	.....	.....	680,894
27	Stoves and ranges.	6	281	1	15	32	21	212	De	234	Je	205	206	196	10	.....	.....	608,066
28	Hot-air furnaces.	6	41	8	3	5	1	24	Se	39	Ja	14	36	36	.....	.....	.....	72,828
29	Structural ironwork, not made in steel works or rolling mills.	19	2,795	12	66	427	107	2,183	No	2,459	Je	1,748	2,467	2,447	19	1	.....	12,842,981
30	Suspenders, garters, and elastic woven goods.	3	49	7	.....	10	2	30	No	34	Ja	28	32	3	29	.....	.....	143,767
31	Tinware, not elsewhere specified.	7	515	5	17	26	12	455	Au	585	Ja	369	457	294	163	.....	.....	1,688,452
32	Tobacco, cigars and cigarettes.	216	1,202	224	35	38	14	891	No	943	Jy	849	929	523	397	9	.....	1,499,855
33	Tools, not elsewhere specified.	10	60	10	13	1	3	39	.....	.....	.....	.....	42	40	2	.....	.....	226,307
34	Machinists' tools.	3	13	6	.....	.....	.....	7	Ja	8	Au	6	7	7	.....	.....	.....	62,670
35	All other.	7	53	4	13	1	3	32	Ja	36	My	29	35	33	2	.....	.....	163,637
36	Toys and games.	4	63	2	7	.....	3	51	No	101	Fe	11	100	39	59	2	.....	60,572
37	Trunks and valises.	14	111	10	12	6	4	79	De	92	Ja	65	93	84	6	1	2	194,795
38	Upholstering materials, not elsewhere specified.	8	72	3	7	5	2	55	De	65	Au	51	71	71	.....	.....	.....	213,553
39	Varnishes.	5	51	.....	8	11	5	27	De	29	Ap	26	29	28	1	.....	.....	308,564
40	Window shades and fixtures.	6	48	9	2	3	3	31	No	33	Ja	30	33	18	15	.....	.....	80,185
41	Wirework, including woven-wire fencing, not elsewhere specified.	6	77	5	11	1	6	54	Ap	76	Au	32	50	29	21	.....	.....	186,570
42	Wooden goods, not elsewhere specified.	6	297	1	20	15	3	258	De	336	Jy	227	339	284	55	.....	.....	959,012
43	Woolen goods.	11	682	1	41	50	16	574	De	599	Fe	539	600	288	312	.....	.....	2,353,331
44	All other industries.	187	13,788	121	652	947	535	11,533	.....	.....	.....	.....	.....	.....	.....	.....	.....	88,095,715

* All other industries embrace—
 Ammunition. 2
 Asbestos products, not including steam packing. 1
 Automobiles. 5
 Bags, other than paper, not including bags made in textile mills. 5
 Baking powders. 2
 Baskets, and rattan and willow ware. 1
 Billiard tables, bowling alleys, and accessories. 2
 Blacking, stains, and dressings. 2
 Bluing. 2
 Boot and shoe cut stock. 2
 Boot and shoe findings. 2
 Boxes, cigar. 3

Brushes. 4
 Carriage and wagon materials. 3
 Carriages and sleds, children's. 2
 Cement. 3
 Coal-tar products. 2
 Cordage and twine. 1
 Cordials and flavoring sirups. 2
 Corsets. 3
 Cutlery and edge tools. 3
 Drug grinding. 1
 Dyeing and finishing textiles, exclusive of that done in textile mills. 3
 Engraving, wood. 1
 Explosives. 1
 Fire extinguishers, chemical. 1
 Flags and banners. 2

Flavoring extracts. 2
 Flax and hemp, dressed. 1
 Furnishing goods, men's, neckwear. 1
 Gas machines and gas and water meters. 3
 Gloves and mittens, cloth, not including gloves made in textile mills. 1
 Gloves and mittens, leather. 2
 Gold and silver, reducing and refining, not from the ore. 1
 Hair work. 3
 Hardware. 1
 Hats, wool-felt. 1
 Horse shoes, not made in steel works or rolling mills. 3

House-furnishing goods, not elsewhere specified. 3
 Ink, printing. 1
 Instruments, professional and scientific. 3
 Iron and steel, blast furnaces. 2
 Iron and steel, steel works and rolling mills. 2
 Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills. 1
 Iron and steel, doors and shutters. 1
 Iron and steel, forgings, not made in steel works or rolling mills. 1
 Japanning. 1
 Labels and tags. 1

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

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

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

Dollars. 5,263	Dollars. 26,176	Dollars. 58,923	Dollars. 9,270	Dollars. 913	Dollars. 1,872,653	Dollars. 4,213	Dollars. 2,108,219	Dollars. 231,353	117					117		1
829,001	844,441	3,088,185	480,288	263,684	214,192	4,232,697	117,952	12,994,804	8,644,155	3,050	100		2	2,948	8	2
658,411	421,496	2,504,139	410,846	242,715	124,332	3,990,552	95,916	10,060,511	6,574,043	2,729	100		2	2,627	8	3
147,458	411,031	341,036	57,844	5,459	70,570	209,977	11,507	1,854,153	1,032,669	290				290		4
23,132	11,914	243,010	11,598	15,510	19,290	32,168	10,529	480,140	437,443	31				31		5
1,075,169	1,502,891	3,531,093	1,169,380	257,875	424,678	5,676,389	202,352	20,088,590	14,209,849	4,550	279		373	7	3,801	47
188,081	434,239	556,163	31,600	37,808	173,172	1,493,580	32,577	4,012,482	2,486,325	660				660		7
718,784	889,799	2,927,882	601,720	192,549	245,407	4,024,272	167,407	14,458,811	10,207,132	3,844	279		371	7	3,187	47
168,304	178,853	47,648	535,970	27,518	6,099	158,537	2,368	1,617,297	1,456,392	46			2	44		9
14,072	2,151	10,412		3,420	5,460	16,349	793	83,035	65,893	8				8		10
93,107	145,923	489,246		38,658	32,562	2,812,366	16,947	4,159,286	1,329,973	329	60			269	40	11
12,405	8,720	67,249			2,388	29,133	13,021	185,130	142,976	599	545		29	25		12
3,664	9,861	44,224		11,050	1,110	388,900	10,824	568,309	158,645	155				155		13
9,600	5,487	105,358		688	7,509	100,859	5,764	341,567	234,044	196	70		33	93		14
50,926	86,097	181,951		13,105	35,733	621,373	3,976	1,180,332	554,983	101	75			26	69	15
11,130	8,044	49,212		4,868	5,285	118,925	5,097	288,041	163,419	250				250		16
206,766	490,976	955,589	7,003	27,509	136,804	1,218,313	24,405	4,083,462	2,840,744	504	385		5	164	600	17
77,511	20,248	196,153	7,903	13,509	5,310	229,369	7,006	691,350	454,975	104			5	99		18
129,255	470,728	759,436		14,000	131,494	988,944	17,399	3,302,112	2,385,760	400	335			65	600	19
624,578	1,502,088	6,448,530	44,768	11,821	476,029	127,856,193	649,784	146,361,046	17,855,009	11,223	5,187	826		535	4,675	819
17,846	41,810	40,615		2,052	18,198	614,129	8,045	822,303	200,189	203	130			78	5	20
5,700	1,400	43,683		1,896	310	18,339	1,638	107,282	87,405	11				11		21
58,429	50,491	160,027	3,940	1,070	15,083	480,703	16,209	981,413	484,501	182				182		22
61,590	62,085	244,373		465	45,817	725,269	103,090	1,527,526	699,167	1,643	665			978	81	24
18,898	5,258	58,009		6,225	1,771	28,523	3,180	200,231	168,528	232				232		25
40,093	67,356	232,117		4,520	8,539	390,009	10,139	1,055,436	640,288	338	48			290		26
37,454	63,189	196,953		8,714	2,700	7,047	339,194	14,860	828,733	474,679	309	48		261		27
2,639	4,167	35,164		66,999	1,820	892	50,815	1,279	226,703	174,609	29			29		28
250,033	709,434	3,047,848		8,594	2,806	95,421	5,454,501	170,105	9,952,606	4,328,000	8,918	2,070	25	6,823	1,513	29
	24,620	20,596			6,290	591	153,532	1,069	223,983	69,382	8			8		30
49,545	52,873	369,283	1,867	1,380	164,159	1,142,804	16,031	2,181,855	1,023,020	251	170			81	323	31
76,520	91,945	741,903	1,162	38,496	349,628	1,456,932	15,441	3,205,020	1,732,647	62				62		32
43,305	4,150	55,886	18,800	3,135	4,888	108,664	8,890	831,381	213,827	261		8		263		33
		7,741		1,083	262	5,274	1,164	25,277	18,839	32				32		34
43,305	4,150	48,145	18,800	2,052	4,626	103,390	7,725	306,104	194,988	229				221		35
11,425	1,290	33,954	2,732	3,380	7,019	28,593	1,037	121,020	91,390	27		8		27		36
21,710	8,338	95,975	300	12,871	4,203	254,763	3,638	480,834	222,433	75				75		37
11,967	11,540	94,355		3,042	6,656	176,840	13,378	340,166	149,948	1,115	645			470	48	38
13,803	21,423	14,402		400	9,754	267,907	3,156	385,610	114,547	32				32		39
3,240	7,324	32,207	350	3,156	341	92,522	666	174,982	81,794	13				13		40
30,980	4,932	39,585		448	4,600	193,663	1,936	326,028	130,430	65				65		41
59,200	22,690	245,806		1,740	20,929	333,976	6,382	928,803	588,445	1,168	585	150		433	475	42
180,987	87,915	474,386	36,503	9,414	183,052	1,734,652	45,489	2,864,259	1,084,118	1,491	370	25	410	686	351	43
2,652,443	1,724,434	15,822,944	84,566	124,906	4,026,620	76,530,211	5,114,696	121,362,568	39,717,691	87,209	23,947	611	28,227	34,415	27,989	44
Lapidary work.....			1	Mucilage, paste, and other adhesives, not elsewhere specified.....		4	Refrigerators.....			2	Sugar, beet.....					1
Lead, bar, pipe, and sheet.....			1	Musical instruments, organs.....		1	Regalia, and society badges and emblems.....			1	Surgical appliances.....					2
Leather, tanned, curried, and finished.....			6	Musical instruments, pianos.....		2	Roofing materials.....			4	Theatrical scenery.....					2
Linen goods.....			1	Oakum.....		1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....			3	Tin plate and terneplate.....					4
Liquors, vinous.....			1	Oil, composite.....		1	Sand and emery paper and cloth.....			1	Tobacco, smoking.....					1
Lithographing.....			3	Oleomargarine and other butter substitutes.....		1	Shipbuilding, steel.....			1	Vault lights and ventilators.....					1
Lubricating greases.....			1	Paper goods, not elsewhere specified.....		2	Soda-water apparatus.....			1	Washing machines and clothes wringers.....					1
Matches.....			1	Petroleum, refining.....		1	Sporting and athletic goods.....			3	Wheelbarrows.....					1
Mats and matting, from cocoa fiber, grass, and coir.....			1	Photographs and graphophones.....		4	Springs, steel, automobile.....			2	Window and door screens and weather strips.....					5
Minerals and earths, ground or otherwise treated.....			1	Photographic apparatus.....		2	Stationery goods, not elsewhere specified.....			2	Wood preserving.....					1
Mirrors, framed and unframed, not elsewhere specified.....			2	Pulp goods.....		1	Steel barrels, drums, and tanks.....			2	Wood, turned and carved.....					1
				Pumps, not including power pumps.....		1	Stoves, gas and oil.....			3						

* Same number reported for one or more other months.

* Same number reported throughout the year.

Lapidary work.....	1	Mucilage, paste, and other adhesives, not elsewhere specified.....	4	Refrigerators.....	2	Sugar, beet.....	1
Lead, bar, pipe, and sheet.....	1	Musical instruments, organs.....	1	Regalia, and society badges and emblems.....	1	Surgical appliances.....	2
Leather, tanned, curried, and finished.....	6	Musical instruments, pianos.....	2	Roofing materials.....	4	Theatrical scenery.....	2
Linen goods.....	1	Oakum.....	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	3	Tin plate and terneplate.....	1
Liquors, vinous.....	1	Oil, composite.....	1	Sand and emery paper and cloth.....	1	Tobacco, smoking.....	4
Lithographing.....	3	Oleomargarine and other butter substitutes.....	1	Shipbuilding, steel.....	1	Vault lights and ventilators.....	1
Lubricating greases.....	2	Paper goods, not elsewhere specified.....	1	Soda-water apparatus.....	1	Vinegar.....	1
Matches.....	1	Petroleum, refining.....	1	Sporting and athletic goods.....	3	Washing machines and clothes wringers.....	1
Mats and matting, from cocon fiber, grass, and coir.....	1	Phonographs and graphophones.....	4	Springs, steel, automobile.....	2	Wheelbarrows.....	1
Minerals and earths, ground or otherwise treated.....	1	Photographic apparatus.....	2	Stationery goods, not elsewhere specified.....	2	Window and door screens and weather strips.....	5
Mirrors, framed and unframed, not elsewhere specified.....	2	Pulp goods.....	2	Steel barrels, drums, and tanks.....	2	Wood preserving.....	1
		Pumps, not including power pumps.....	1	Stoves, gas and oil.....	3	Wood, turned and carved.....	1

MANUFACTURES—MINNESOTA.

TABLE 30.—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.

1	DULUTH—All industries.....	226	12,513	132	525	938	446	10,472	Ja	11,174	De	9,370	9,979	8,723	1,241	12	3	Dollars.
2	Automobile bodies and parts.....	4	21	6	1	2	2	10	Je	15	Fe ^a	7	28	27	1	.....	.....	56,148
3	Automobile repairing.....	12	97	11	9	6	10	61	Au	67	Ja ^a	55	57	57	.....	.....	.....	84,672
4	Bread and other bakery products.....	15	187	15	10	21	7	134	De	142	Mh	122	142	86	52	4	.....	378,469
5	Cars and general shop construction and repairs by steam-railroad companies.....	5	578	.....	25	3	4	546	Ja	590	Au	510	552	549	3	.....	.....	742,222
6	Coffee, roasting and grinding.....	3	82	.....	7	6	6	63	Au	70	No	54	58	27	31	.....	.....	519,708
7	Confectionery.....	12	226	17	10	38	13	148	Oc	191	Je	111	189	53	136	.....	.....	572,671
8	Copper, tin, and sheet-iron work.....	10	174	4	12	4	4	150	No	194	Fe	109	181	181	.....	.....	.....	586,417
9	Foundry and machine-shop products.....	10	749	4	39	76	14	616	Ja	650	Ap	548	623	614	9	.....	.....	4,004,220
10	Fur goods.....	4	35	3	2	2	3	25	Oc	33	Mh ^a	18	30	11	19	.....	.....	25,100
11	Knit goods.....	5	128	2	9	3	2	112	Fe	148	Je	81	119	25	93	1	.....	458,278
12	Lumber and timber products.....	4	599	.....	14	13	6	566	Ja	1,182	No ^a	151	761	742	19	.....	.....	1,980,289
13	Lumber, planing-mill products, not including planing mills connected with sawmills.....	6	230	2	22	16	6	184	Au	213	Mh	143	196	196	.....	.....	.....	954,794
14	Printing and publishing, book and job.....	10	226	15	21	7	16	167	Mh	176	Au	158	170	116	51	3	.....	442,687
15	Printing and publishing, newspapers and periodicals.....	15	409	4	22	151	42	190	Se	198	Ja ^a	182	196	170	25	1	.....	687,582
16	Tobacco, cigars and cigarettes.....	10	69	10	2	2	2	53	De ^a	60	Mh	46	60	40	20	.....	.....	64,557
17	All other industries*.....	92	8,703	39	820	588	309	7,447	.....	.....	.....	.....	6,617	5,829	782	3	3	60,418,384

* All other industries embrace—	Brass and bronze products.....	1	Clothing, men's.....	2	Gas machines and gas and water meters.....	1
Artificial limbs.....	Brooms, from broom corn.....	1	Coffins, burial cases, and undertakers' goods.....	1	Glass, cutting, staining, and ornamenting.....	2
Artificial stone products.....	Butter.....	3	Coke, not including gas-house coke.....	2	Hand stamps.....	1
Awnings, tents, and sails.....	Carriages and wagons, including repairs.....	1	Condensed milk.....	1	Hats and caps, other than felt, straw, and wool.....	2
Baking powders.....	Cars and general shop construction and repairs by electric-railroad companies.....	1	Flour-mill and gristmill products.....	2	Horseshoes, not made in steel works or rolling mills.....	2
Bookbinding and blank-book making.....	Cement.....	1	Food preparations, not elsewhere specified.....	2		
Boot and shoe out stock.....	Chemicals.....	2	Furniture.....	2		
Boot and shoe findings.....			Gas and electric fixtures.....	2		
Boots and shoes.....						
Boxes, set-up paper boxes and cartons.....						

1	MINNEAPOLIS—All industries.....	1,421	50,780	1,102	2,399	6,179	2,926	38,154	No	40,293	Ja	35,829	40,649	31,599	8,885	136	29	239,185,093
2	Agricultural implements.....	5	239	1	11	15	10	202	Se	255	Ja	167	208	208	.....	.....	.....	971,500
3	Artificial limbs.....	9	163	9	14	21	25	94	De ^a	99	Ap	88	99	77	22	.....	.....	257,581
4	Artificial stone products.....	28	183	33	13	14	3	120	Oc	141	Fe	86	143	143	.....	.....	.....	489,074
5	Automobile bodies and parts.....	25	380	20	28	18	15	209	Au	339	Ja	238	345	335	10	.....	.....	621,343
6	Automobile repairing.....	103	935	107	67	30	40	691	Au	782	Ja	581	682	680	2	.....	.....	1,022,687
7	Awnings, tents, and sails.....	6	71	5	6	9	3	48	Je	66	Ja	35	48	24	24	.....	.....	247,130
8	Belting, leather.....	3	153	.....	20	14	3	116	De	143	Ap	101	143	85	2	56	.....	1,561,540
9	Bookbinding and blank-book making.....	7	54	10	3	1	1	39	My	41	Mh	36	39	22	16	1	.....	89,781
10	Boots and shoes.....	4	167	.....	17	19	7	124	Se	148	Ja	75	138	44	94	.....	.....	473,923
11	Boxes, wooden packing, except cigar boxes.....	9	203	7	12	6	3	175	Se	210	Mh	146	186	186	.....	.....	.....	290,680
12	Bread and other bakery products.....	115	2,190	112	75	281	124	1,598	De	1,806	Fe	1,406	1,808	1,045	753	7	3	4,789,704
13	Brooms.....	9	61	9	5	.....	.....	47	De	58	Ja ^a	42	58	56	2	.....	.....	90,915
14	Butter.....	14	232	3	28	16	24	161	No	220	Mh	115	159	144	15	.....	.....	1,312,098
15	Carpets, rag.....	6	24	9	1	.....	.....	14	My ^a	17	Mh	3	14	12	2	.....	.....	24,227
16	Cars and general shop construction and repairs by steam-railroad companies.....	6	5,412	.....	119	109	64	5,120	Se	5,338	No	4,866	4,877	4,807	70	.....	.....	6,371,840
17	Chemicals.....	5	146	.....	8	58	24	56	Jy	62	Mh	50	60	60	.....	.....	.....	979,686
18	Clothing, men's.....	18	815	23	20	64	12	696	Oc	783	Ja	627	742	180	612	.....	.....	1,860,390
19	Clothing, women's.....	17	289	12	31	41	14	191	.....	.....	.....	.....	266	13	263	.....	.....	611,427
20	Suits, skirts, cloaks, shirt waists, dresses, and undergarments.....	6	71	4	8	4	5	50	De	68	Ja	37	65	8	60	.....	.....	161,566
21	All other.....	11	218	8	23	37	9	141	No	204	Ja	51	201	8	193	.....	.....	449,861
22	Coffee, roasting and grinding.....	7	205	6	22	38	27	112	Jy	136	Oc	94	118	54	64	.....	.....	1,982,163
23	Confectionery and ice cream.....	38	901	37	39	102	45	678	.....	.....	.....	.....	774	305	467	1	1	2,084,203
24	Confectionery.....	34	751	35	31	94	33	558	Oc	730	Je	405	666	205	459	1	.....	1,492,796
25	Ice cream.....	4	150	2	8	12	12	120	Jy	162	Ja	82	108	100	8	.....	.....	591,497
26	Cooperage.....	8	504	3	22	10	8	461	De	488	My	411	478	483	15	.....	.....	1,526,165
27	Copper, tin, and sheet-iron work.....	58	495	64	25	25	20	361	No	433	Ja	263	408	396	7	.....	.....	1,416,776
28	Electrical machinery, apparatus, and supplies.....	17	1,182	7	51	150	76	898	De	957	Ja	871	936	595	328	13	.....	2,314,533
29	Engines, steam, gas, and water.....	7	1,185	1	58	420	110	546	Mh	812	Se	395	584	584	.....	.....	.....	13,783,337
30	Flour-mill and gristmill products.....	18	6,144	3	174	1,836	490	3,461	No	3,977	Mh	3,295	3,967	3,804	163	.....	.....	71,998,698
31	Food preparations, not elsewhere specified.....	22	621	8	54	85	55	419	Oc	491	Mh	348	479	236	242	1	.....	3,331,184
32	Foundry and machine-shop products.....	88	2,808	53	214	250	153	2,138	.....	.....	.....	.....	2,331	2,314	17	.....	.....	9,148,236
33	Boiler shops and foundries.....	12	698	7	39	55	27	580	Oc	671	Je	421	628	524	4	.....	.....	1,917,584
34	Machine shops.....	70	1,835	42	153	172	107	1,161	De	1,816	Ja	1,024	1,284	1,276	8	.....	.....	6,811,876
35	Machine shop and foundry combined.....	6	475	4	32	23	19	397	De	419	Ja	358	419	414	5	.....	.....	918,776
36	Fur goods.....	21	305	22	31	34	26	192	No	245	Fe	152	206	81	125	.....	.....	1,020,905

^a 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).

[illegible]

<i>Dollars.</i> 2, 176, 588	<i>Dollars.</i> 1, 510, 880	<i>Dollars.</i> 15, 465, 074	<i>Dollars.</i> 238, 293	<i>Dollars.</i> 204, 344	<i>Dollars.</i> 1, 527, 744	<i>Dollars.</i> 35, 815, 374	<i>Dollars.</i> 7, 214, 080	<i>Dollars.</i> 75, 261, 387	<i>Dollars.</i> 32, 231, 933	89, 883	22, 855	432	28, 197	.....	38, 399	27, 011	1
1, 050	3, 619	81, 746	.....	4, 280	1, 661	42, 614	1, 626	114, 218	69, 978	26	.....	.....	.....	.....	26	.....	2
14, 287	9, 546	93, 906	1, 200	12, 144	3, 482	47, 518	4, 589	214, 420	182, 313	84	.....	.....	.....	.....	84	.....	3
27, 540	27, 948	147, 246	.....	10, 673	6, 526	601, 899	16, 748	1, 022, 106	403, 461	99	.....	.....	.....	.....	99	.....	4
62, 170	11, 360	598, 435	.....	.....	.....	327, 660	66, 561	1, 066, 186	671, 965	345	120	.....	.....	.....	225	10	5
18, 915	12, 829	36, 314	.....	13, 000	25, 939	2, 014, 543	4, 658	2, 309, 660	290, 459	167	.....	.....	.....	.....	167	.....	6
22, 343	53, 867	112, 770	.....	17, 394	21, 270	319, 206	7, 458	682, 804	356, 140	76	.....	.....	.....	.....	76	.....	7
29, 536	9, 621	191, 614	.....	5, 190	16, 291	380, 444	5, 068	613, 482	227, 980	247	.....	.....	.....	.....	247	.....	8
127, 972	178, 510	889, 806	.....	2, 242	343, 932	1, 604, 842	56, 588	4, 071, 297	2, 409, 867	2, 348	180	.....	60	.....	2, 128	.....	9
7, 700	6, 559	21, 565	.....	6, 780	4, 029	20, 300	220	85, 718	65, 198	5	.....	.....	.....	.....	5	.....	10
17, 185	1, 968	76, 180	.....	11, 139	6, 674	234, 484	4, 906	320, 429	81, 039	164	.....	.....	.....	.....	164	.....	11
69, 130	26, 880	578, 443	61, 420	2, 550	93, 800	883, 109	7, 500	2, 282, 944	1, 392, 335	3, 352	2, 800	.....	.....	.....	552	.....	12
70, 171	23, 460	224, 782	.....	8, 622	14, 533	846, 513	9, 521	1, 362, 405	506, 371	858	365	.....	.....	.....	493	14	13
48, 400	19, 573	153, 169	10, 114	27, 007	5, 770	232, 649	3, 310	659, 636	423, 677	176	.....	.....	.....	.....	176	.....	14
64, 514	190, 054	281, 119	57, 855	17, 042	36, 470	358, 952	8, 437	1, 462, 402	1, 095, 013	423	110	.....	.....	.....	313	31	15
3, 360	4, 501	48, 854	.....	4, 200	13, 750	105, 956	530	225, 640	119, 154	2	.....	.....	.....	.....	2	.....	16
1, 592, 255	927, 685	11, 981, 125	107, 695	62, 011	963, 637	27, 794, 685	7, 016, 372	58, 768, 040	23, 966, 983	81, 511	19, 300	482	28, 137	.....	33, 642	26, 956	17

8,502,510	11,494,181	41,274,916	1,128,979	1,917,727	9,713,688	358,046,681	4,787,354	491,382,975	128,548,940	113,212	41,325	15,205	388	7,370	48,924	20,812	1
24,430	28,258	153,730	253	1,619	8,736	219,916	7,192	574,314	347,206	156	80				96		2
33,754	40,365	122,643	828	12,131	6,967	103,240	3,104	464,361	358,011	84			10		74		3
23,943	29,536	168,427	17,955	2,832	4,910	210,436	13,390	590,108	360,282	333	222		34		77		4
56,284	28,161	331,879	2,591	23,910	17,707	664,149	17,541	1,275,790	594,100	381					381		5
119,491	50,211	858,475	31,576	96,058	13,004	848,298	46,332	5,388,366	4,493,736	605			8		597	14	6
10,239	23,783	42,657		10,294	12,092	232,826	1,300	383,444	149,318	33					33		7
30,678	29,138	136,028		11,240	33,758	1,189,164	6,584	1,808,535	612,787	120	40				26		8
1,196	992	30,847	2,791	3,278	480	19,068	1,179	96,788	76,541	26					80		9
70,980	83,684	104,758	5,868	5,671	12,666	272,940	2,244	694,014	418,830	43					43		10
37,092	9,312	174,867		5,839	9,682	442,995	11,466	769,583	315,122	592					592		11
202,525	716,633	1,372,211	1,500	98,921	93,555	7,007,975	179,629	12,404,478	5,216,874	1,769	871			10		509	12
5,475		54,982		980	560	131,216	1,904	232,570	90,450	48					48		13
61,145	43,735	161,542	7,200	5,703	47,768	3,788,569	42,798	4,336,452	510,000	1,053	551	55			447	225	14
2,200		11,402	200	1,356	110	4,375	1,281	34,354	28,698	44					44		15
341,350	231,187	6,695,773				4,923,896	314,444	12,498,384	7,260,042	3,570	2,395	750	90		335	3,706	16
25,482	97,156	62,478		50,422	38,792	244,682	50,115	723,701	428,904	735	75				660	10	17
50,503	81,448	490,282	21,010	30,412	35,238	2,247,764	14,982	3,259,085	996,339	165	2				163		18
70,029	16,334	127,965		14,909	5,121	420,196	2,883	806,127	383,048	57					57		19
12,250	3,550	35,878		3,680	1,018	147,567	686	249,836	101,583	17					17		20
57,779	12,784	92,388		11,220	4,103	272,629	2,197	556,291	281,465	40					40		21
101,404	104,382	108,489	5,126	14,854	52,604	5,504,051	23,690	6,660,765	1,073,024	499					499		22
168,190	236,497	540,118		68,450	204,485	2,368,073	59,351	4,312,311	1,884,887	1,287	310				977	297	23
128,978	202,992	407,096		65,240	185,928	1,537,372	37,522	2,880,914	1,306,020	435	285				150	297	24
39,212	36,505	133,026		3,210	78,557	880,701	21,829	1,431,397	678,867	852	25				827		25

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TABLE 30.—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.

MINNEAPOLIS—Con.																	Dollars.	
1	Furniture.....	20	1,088	21	60	34	28	945					1,189	1,123	65	1	2,537,801	
2	Wood, including rattan and willow furniture.....	21	965	12	53	33	23	844	De	1,060	Ja	641	1,076	1,010	65	1	2,317,227	
3	Metal furniture and store and office fixtures.....	8	123	9	7	1	5	101	No	119	Ja	62	113	113			220,574	
4	Hand stamps.....	4	47	8	2	1	7	29	De	35	Ja	22	35	19	16		73,122	
5	Hats and caps, other than felt, straw, and wool.....	6	76	11	3	5	3	54	Se	56	De	52	55	38	17		191,974	
6	Ink, writing.....	3	9		4		1	4	(*)	4	(*)	4	4	2	2		7,583	
7	Jewelry.....	13	150	18	3	9	13	107	Jy	113	Fe	98	111	103	7	1	215,547	
8	Looking-glass and picture frames.....	9	65	7	8	6	9	35	De	47	My	31	42	39	2	1	215,490	
9	Lumber, planing-mill products, not including planing mills connected with sawmills.....	24	1,268	8	67	91	32	1,070	Oc	1,395	Ja	718	1,307	1,289	18		4,520,441	
10	Malt.....	3	59		7	4	1	47	Jy	77	De	18	47	47			1,899,887	
11	Marble and stone work.....	13	124	11	8	10	3	92					95	95			186,223	
12	Monuments and tombstones.....	8	23	9		1	1	12	Au	16	Ja	8	15	15			20,460	
13	All other, except slate.....	5	101	2	8	9	2	80	Jy	106	Ja	39	80	80			156,763	
14	Mattresses and spring beds, not elsewhere specified.....	5	424	6	31	36	30	321	Au	379	Ja	234	361	311	50		1,891,351	
15	Millinery and lace goods, not elsewhere specified.....	13	193	12	16	5	14	146	De	182	Jy	93	164	13	150	1	187,570	
16	Mineral and carbonated waters.....	16	92	16	14	13	4	45	Jy	71	De	33	41	41			327,957	
17	Models and patterns, not including paper patterns.....	9	56	11			1	44	De	49	Se	41	48	48			36,032	
18	Musical instruments and materials, not elsewhere specified.....	3	6	3				3	(*)	3	(*)	3	3	3			3,240	
19	Oil, linseed.....	3	447		12	39	27	369	Jy	428	My	329	371	365	6		9,379,483	
20	Optical goods.....	5	100		10	22	17	51	(*)	51	(*)	51	51	51			225,361	
21	Paints.....	6	155	2	18	50	15	70	Jy	80	No	54	63	47	16		1,515,847	
22	Patent medicines and compounds.....	22	428	12	42	107	82	185					187	80	101	3	3	1,220,684
23	Patent and proprietary medicines.....	12	274	9	19	83	65	98	Oc	118	Au	85	105	42	61	1	1	807,583
24	Patent and proprietary compounds, not elsewhere specified.....	10	154	3	23	24	17	87	Jy	110	Ja	64	82	38	40	2	2	413,090
25	Paving materials.....	3	72		5	5		62	Jy	99	Ja	22	90	90			410,149	
26	Perfumery and cosmetics.....	13	152	6	6	113	6	21	Se	28	Fe	17	26	13	13		98,575	
27	Photo-engraving.....	7	295	4	14	26	20	231	De	235	Ja	226	235	203	32		1,218,646	
28	Printing and publishing, book and job.....	130	1,801	100	115	125	122	1,333					1,455	1,068	365	20	2	3,398,530
29	Job printing.....	123	1,704	100	108	119	115	1,262	De	1,377	Ja	1,201	1,384	1,008	354	20	2	3,221,093
30	Book publishing without printing, linotype work and typesetting.....	7	97	6	7	6	7	71	Je	74	Ja	67	71	60	11		177,437	
31	Printing and publishing, newspapers and periodicals.....	79	1,686	45	127	496	259	759					789	690	87	8	4	6,637,744
32	Printing and publishing.....	7	660	2	34	181	86	357	No	375	Se	346	359	310	49		3,718,323	
33	Printing, publishing, and job printing.....	17	707	12	39	250	108	388	No	430	Jy	371	412	377	28	7	2,723,343	
34	Publishing without printing.....	55	229	31	54	65	65	14	(*)	14	(*)	14	18	3	10	1	4	196,078
35	Saddlery and harness.....	16	191	16	11	21	6	137	De	159	Ja	91	160	158	1	1		335,478
36	Shirts.....	4	81		9	22	2	48	My	54	Jy	37	51	10	40	1		120,920
37	Signs and advertising novelties.....	20	300	13	20	9	14	304	No	407	Ja	143	393	143	250			389,380
38	Stoves and hot-air furnaces.....	4	36	8	2	5	1	25	Se	39	Ja	16	36	36				62,517
39	Structural ironwork, not made in steel works or rolling mills.....	11	2,644	8	57	421	102	2,056	De	2,296	Je	1,656	2,301	2,286	15			12,380,554
40	Tobacco, cigars.....	32	253	31	18	9	2	193	No	211	Fe	181	212	111	98	3		259,146
41	Trunks and valises.....	8	67	7	8	2	2	48	No	60	Ja	33	59	53	5	1		102,014
42	All other industries*.....	235	12,318	153	534	827	721	10,083					10,377	6,121	4,224	17	15	58,684,053

*All other industries embrace—
 Ammunition..... 1
 Asbestos products, not including steam packing..... 1
 Automobiles..... 2
 Babbitt and type metal..... 3
 Bags, other than paper, not including bags made in textile mills..... 2
 Baking powders..... 1
 Baskets, and rattan and willow ware..... 1
 Blacking, stains, and dressings..... 1
 Bluing..... 1
 Boxes, cigar..... 1
 Boxes, set-up paper boxes and cartons..... 6
 Brass and bronze products..... 3
 Brick, building and fire..... 2
 Brushes..... 2

Carriages and sleds, children's..... 2
 Carriages and wagons, including repairs..... 8
 Cars and general shop construction and repairs by electric-railroad companies..... 1
 Cheese..... 1
 Cleansing and polishing preparations..... 4
 Coal-tar products..... 1
 Coffins, burial cases, and undertakers' goods..... 2
 Condensed milk..... 1
 Cordials and flavoring sirups..... 1
 Corsets..... 1
 Cutlery and edge tools..... 1
 Dairymen's, poultrymen's, and apirists' supplies..... 2

Dental goods..... 6
 Drug grinding..... 1
 Drugists' preparations..... 3
 Dyeing and finishing textiles, exclusive of that done in textile mills..... 2
 Electroplating..... 5
 Engraving and diesinking..... 2
 Engraving, steel and copper plate, including plate printing..... 6
 Envelopes..... 2
 Fancy articles, not elsewhere specified..... 4
 Fire extinguishers, chemical..... 1
 Flags and banners..... 1
 Flavoring extracts..... 2
 Furnishing goods, men's, neckwear..... 1
 Furs, dressed..... 1

Gas and electric fixtures..... 2
 Gas, illuminating and heating..... 1
 Glass, cutting, staining, and ornamenting..... 7
 Gloves and mittens, leather..... 2
 Hardware..... 3
 Ice, manufactured..... 1
 Instruments, professional and scientific..... 2
 Iron and steel, steel works and rolling mills..... 1
 Iron and steel, doors and shutters..... 1
 Iron and steel, forgings, not made in steel works or rolling mills..... 1
 Iron and steel, welding..... 8
 Japanning..... 1
 Knit goods..... 7

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

[illegible]

Dollars. 271,900 221,087	Dollars. 99,851 91,983	Dollars. 1,011,688 886,385	Dollars. 1,203 953	Dollars. 33,716 28,267	Dollars. 81,881 78,696	Dollars. 1,958,365 1,826,774	Dollars. 41,467 34,020	Dollars. 1,196,167 3,844,178	Dollars. 2,196,335 1,983,384	1,443 1,234	860 785				583 449	25 25	1 2
50,813	7,868	126,303	250	5,440	3,185	131,591	7,447	351,689	212,951	209	75				134		3
10,000 5,000	5,920 10,593	30,288 53,418	..... .....	8,287 6,123	710 227	36,947 147,280	1,303 638	124,716 254,648	86,466 106,630	21 8					21 8		4 5
5,240 8,400 18,147 155,787	600 14,328 18,681 164,248	3,231 122,659 37,289 1,288,097	..... ..... ..... 3,135	920 9,104 10,413 5,471	75 1,645 3,018 85,322	7,623 217,497 104,900 2,803,610	380 1,366 1,808 44,585	27,545 512,615 304,358 5,420,155	19,536 293,752 137,650 2,511,960	..... 36 36 3,630	..... ..... ..... 2,885	..... ..... ..... 20	..... ..... ..... .....	..... ..... ..... 725	..... ..... ..... 92	....................	....................
30,600 26,075	7,015 17,368	67,984 119,970	..... 3,960	..... 2,083	23,593 2,314	347,887 157,565	74,149 12,682	618,112 478,531	106,076 308,284	1,732 988	1,282 65	..... .....	..... 10	..... .....	450 918	1,048	10 11
..... 28,075 98,620	..... 16,582 113,061	..... 14,465 108,605 327,334	..... 3,960	..... 1,090 993 4,065	..... 186 2,128 22,535	..... 25,605 181,930 1,814,804	..... 1,001 11,681 26,071	..... 70,535 407,996 2,846,993	..... 43,929 264,355 1,006,118	..... 52 936 1,360	..... ..... 65 375	..... ..... ..... .....	..... ..... ..... .....	..... ..... 871 994	....................	....................	....................
28,768	19,491	102,240	.....	10,405	2,375	243,903	1,909	501,570	255,758	49					49		15
24,313	18,289 97	54,789 66,154	..... .....	5,093 3,368	21,691 260	180,160 18,096	8,113 1,733	336,163 140,022	152,890 119,593	56 47			6		50 47		16 17
.....	.....	3,914	.....	905	76	926	115	9,981	8,940	5					5		18
270,916 26,219 58,398 101,513 158,693 75,800	85,772 38,147 55,866 77,619 287,766 221,377	491,017 55,866 77,619 132,217 83,701	..... ..... 1,659 1,965 145	..... ..... 11,150 5,209 25,016 10,500	111,608 10,375 215,984 145,416 1,007,962 1,003,507 184,138 184,273	22,017,006 134,924 216,970 9,780 8,368 4,549	25,044,475 448,100 231,146 1,593,043 2,388,819 1,611,401	2,891,945 231,945 575,301 1,376,944 1,067,421	3,222 223 223 111 71	1,600				1,622 23 203 124 71		19 20 21 22 23	
82,893	46,389	48,456	1,820	8,516	9,865	464,076	3,819	777,418	309,523	40			7		33		24
19,480 10,643 54,514 314,202	8,452 9,378 59,631 250,540	62,079 10,692 232,965 1,442,001	23,557 1,064 1,261 123,292	4,352 6,021 13,995 145,749	115,910 2,704 5,377 57,050	58,700 90,517 200,083 2,208,878	18,178 1,012 2,672 54,029	254,699 165,254 627,313 5,810,417	177,821 73,725 424,558 3,553,510	1,209 7 54 1,254	274		10		925 7 54 1,252		25 26 27 28
305,438 8,764	231,425 19,115	1,340,629 101,372	110,417 12,875	137,406 8,343	56,303 747	2,189,735 19,143	47,351 6,678	5,578,013 238,899	3,340,932 212,578	1,242 12			2		1,240 12	7	29 30
393,450	878,492	952,831	317,867	76,053	179,995	2,398,882	52,961	7,477,616	5,025,773	1,451	150	</					

- | | | | | | | | |
|--|---|--|---|---|---|--|---|
| Labels and tags..... | 1 | Photographic materials..... | 5 | Soda-water apparatus..... | 1 | Toys and games..... | 3 |
| Lapidary work..... | 1 | Pickles, preserves, and sauces..... | 5 | Sporting and athletic goods..... | 1 | Upholstering materials, excelsior..... | 2 |
| Leather goods, not elsewhere specified..... | 4 | Poultry, killing and dressing, not done in slaughtering and meat-packing establishments..... | 8 | Springs, steel, automobile..... | 1 | Varnishes..... | 2 |
| Liquors, malt..... | 3 | Printing materials..... | 2 | Statuary and art goods..... | 1 | Vinegar..... | 4 |
| Lithographing..... | 2 | Pulp goods..... | 2 | Steam fittings and steam and hot-water heating apparatus..... | 5 | Wheelbarrows..... | 1 |
| Lumber and timber products..... | 1 | Pumps, not including power pumps..... | 1 | Steel barrels, drums, and tanks..... | 2 | Window and door screens and weather strips..... | 3 |
| Machine tools..... | 3 | Rubber tires, tubes, and rubber goods, not elsewhere specified..... | 3 | Stereotyping and electrotyping..... | 1 | Window shades and fixtures..... | 4 |
| Mirrors, framed and unframed, not elsewhere specified..... | 2 | Sand-lime brick..... | 1 | Stoves, gas and oil..... | 1 | Wirework, including woven-wire fencing, not elsewhere specified..... | 2 |
| Mucilage and paste..... | 2 | Sausage, not made in slaughtering and meat-packing establishments..... | 4 | Surgical appliances..... | 1 | Wooden goods, not elsewhere specified..... | 4 |
| Oil, composite..... | 1 | Shipbuilding, wooden, including boat building..... | 1 | Suspenders, garters, and elastic woven goods..... | 1 | Woolen goods..... | 1 |
| Oleomargarine and other butter substitutes..... | 1 | Show cases..... | 3 | Theatrical scenery..... | 1 | | |
| Paper and wood pulp..... | 1 | Soap..... | 1 | Tin plate and terneplate..... | 1 | | |
| Petroleum, refining..... | 1 | | | Tinware, not elsewhere specified..... | 1 | | |
| Photographs and graphophones..... | 2 | | | Tobacco, smoking..... | 1 | | |
| Photographic apparatus..... | 1 | | | Tools, machinists'..... | 1 | | |

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

TABLE 30.—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	ST. PAUL—All industries.....	818	29,068	673	1,522	2,534	1,600	22,649	No 24,165	Ja 21,518	23,985	17,593	6,352	31	9		110,561,035
2	Artificial stone products.....	11	75	10	5	2	1	57	Jy 73	De 29	65	65	.....	.....	.....	.....	143,303
3	Automobile bodies and parts.....	11	122	10	14	6	2	90	Oc 107	Fe 73	100	97	3	.....	.....	.....	263,909
4	Automobile repairing.....	66	400	76	24	19	13	268	Jy 294	Ja 224	278	277	1	.....	.....	.....	410,979
5	Awnings, tents, and sails.....	5	29	7	.....	1	2	19	My 26	Ja 14	27	16	11	.....	.....	.....	57,058
6	Bookbinding and blank-book making	7	83	8	1	1	1	72	Au 77	Se 70	77	29	48	.....	.....	.....	73,238
7	Boots and shoes.....	6	1,452	4	39	154	64	1,101	No 1,297	Mh 1,118	1,255	749	506	.....	.....	.....	7,089,540
8	Boxes, wooden packing, except cigar boxes.	7	339	5	22	8	2	302	Au 336	Ja 270	302	277	6	19	.....	.....	1,149,793
9	Brass, bronze, and copper products...	6	181	3	10	6	4	158	De 189	Jy 142	196	184	12	.....	.....	.....	597,729
10	Bread and other bakery products....	68	1,040	62	58	97	78	745	De 795	Mh 707	782	469	313	.....	.....	.....	2,153,594
11	Brooms.....	7	35	9	.....	1	1	24	Oc 26	Ap 22	28	26	.....	2	.....	.....	43,616
12	Butter.....	11	250	4	24	35	58	129	Je 150	Fe 111	123	102	21	.....	.....	.....	1,461,002
13	Carriages and wagons, including repairs.	8	324	5	15	10	5	289	Oc 321	Je 261	320	316	4	.....	.....	.....	1,183,446
14	Cars and general shop construction and repairs by steam-railroad companies.	12	4,208	.....	88	68	36	4,016	Ja 4,154	Au 3,722	4,028	3,922	106	.....	.....	.....	9,080,355
15	Clothing, men's.....	9	557	6	16	32	19	484	De 664	Mh 360	651	93	558	.....	.....	.....	816,349
16	Confectionery and ice cream.....	19	674	12	20	54	23	565	No 736	Fe 468	675	190	435	.....	.....	.....	1,867,070
17	Copper, tin, and sheet-iron work....	21	240	21	24	16	11	168	Au 223	Fe 98	202	202	.....	.....	.....	.....	519,647
18	Envelopes.....	3	99	2	5	3	3	88	Oc 114	Ja 32	90	23	67	.....	.....	.....	152,864
19	Flour-mill and gristmill products....	4	145	.....	10	20	10	105	De 113	My 96	130	130	.....	.....	.....	.....	1,633,757
20	Food preparations, not elsewhere specified.	10	234	6	22	19	14	173	Oc 191	Ja 167	199	111	88	.....	.....	.....	1,624,029
21	Foundry and machine-shop products	33	2,503	28	104	122	71	2,178	.....	.....	2,252	2,207	44	1	.....	.....	7,584,917
22	Boiler shops and foundries.....	7	620	7	20	34	10	549	De 713	Mh 399	708	667	41	.....	.....	.....	1,675,078
23	All other.....	26	1,883	21	84	88	61	1,629	Ja 1,840	Fe 1,440	1,544	1,540	3	1	.....	.....	5,909,839
24	Fur goods.....	12	954	10	34	206	75	629	De 745	Fe 551	678	264	413	1	.....	.....	3,270,713
25	Furniture.....	16	233	14	15	10	9	185	.....	.....	205	193	8	4	.....	.....	603,596
26	Wood, including rattan and willow.	7	116	6	6	4	4	96	De 111	Fe 87	103	91	8	4	.....	.....	296,025
27	Store and office fixtures.....	9	117	8	9	6	5	89	No 103	Fe 77	102	102	.....	.....	.....	.....	307,571
28	Gas and electric fixtures.....	3	33	.....	4	4	1	24	(*) 24	(*) 24	24	18	6	.....	.....	.....	72,307
29	Knit goods.....	3	20	4	.....	2	.....	14	Jy 17	Mh 11	16	5	11	.....	.....	.....	87,323
30	Leather goods, not elsewhere specified.	6	555	.....	23	58	19	455	No 551	Ap 394	461	171	290	.....	.....	.....	1,506,577
31	Lumber, planing-mill products, not including planing mills connected with sawmills.	12	479	16	31	45	31	356	Je 448	Ja 266	372	370	2	.....	.....	.....	1,604,006
32	Marble and stone work.....	13	151	8	18	11	4	110	.....	.....	127	126	1	.....	.....	.....	391,686
33	Monuments and tombstones.....	8	31	6	5	2	2	16	My 19	Ja 13	15	15	.....	.....	.....	.....	104,070
34	All other, except slate.....	5	120	2	13	9	2	94	Oc 122	Fe 68	112	111	1	.....	.....	.....	287,616
35	Mineral and soda waters.....	9	70	6	11	17	7	29	Jy 45	Ja 21	20	24	2	.....	.....	.....	173,559
36	Patent medicines and compounds....	17	158	10	24	35	28	61	.....	.....	57	29	28	.....	.....	.....	630,012
37	Patent and proprietary medicines	12	146	7	22	35	26	56	Au 67	Ja 46	52	24	28	.....	.....	.....	612,061
38	Patent and proprietary compounds, not elsewhere specified.	5	12	3	2	.....	2	5	Au 6	Ja 5	5	5	.....	.....	.....	.....	17,951
39	Printing and publishing, book and job.	82	2,091	90	145	213	279	1,364	.....	.....	1,423	828	594	1	.....	.....	6,149,088
40	Job printing.....	74	1,199	84	94	76	76	869	No 910	Ja 818	864	575	288	1	.....	.....	2,502,182
41	Book printing and publishing, linotype work and typesetting.	8	892	6	51	137	203	495	De 558	Fe 467	559	253	306	.....	.....	.....	3,546,906
42	Printing and publishing, newspapers and periodicals.	48	1,434	22	39	195	256	872	.....	.....	901	656	245	.....	.....	.....	2,561,015
43	Printing, publishing, and job printing.	16	1,290	8	66	174	188	854	De 884	Ja 829	878	641	237	.....	.....	.....	2,426,561
44	Publishing without printing.....	32	144	14	23	21	68	18	De 23	Fe 17	23	15	8	.....	.....	.....	134,484
45	Sausage, not made in slaughtering and meat-packing establishments.	6	37	7	3	4	2	21	Je 22	Ja 20	21	21	.....	.....	.....	.....	27,256
46	Structural ironwork, not made in steel works or rolling mills.	7	136	2	9	6	4	115	De 148	Je 83	141	139	2	.....	.....	.....	442,687
47	Tobacco, cigars.....	34	429	31	12	21	7	358	Ap 372	Jy 338	364	177	187	.....	.....	.....	639,254
48	All other industries*.....	226	9,208	175	603	1,033	550	6,937	.....	.....	7,389	5,087	2,290	3	9	.....	54,505,731

* All other industries embrace—

Agricultural implements.....	2	Cars and general shop construction and repairs by electric-railroad companies.....	1
Artificial limbs.....	2	Chemicals.....	1
Automobiles.....	1	Cleansing preparations.....	1
Bags, other than paper, not including bags made in textile mills.....	2	Clothing, women's.....	3
Billiard tables and accessories.....	1	Coffee, roasting and grinding.....	3
Blacking, stains, and dressings.....	1	Coffins, burial cases, and undertakers' goods.....	1
Boat and shoe cut stock.....	1	Cooperage.....	1
Boxes, cigar.....	2	Cordage and twine.....	1
Boxes, set-up paper boxes and cartons	4	Cordials and flavoring sirups.....	1
Brick.....	1	Cutlery and edge tools.....	1
Brushes, paint and varnish.....	1	Dairymen's, poultrymen's, and ap- arists' supplies.....	1
Buttons.....	1	Dental goods.....	2
Carpets, rag.....	3		
Carrriage and wagon materials.....	1		

Druggists' preparations.....	2	Gold and silver, reducing and refining, not from the ore.....	1
Dyeing and finishing textiles, exclusive of that done in textile mills.	1	Hair work.....	1
Electrical machinery, apparatus, and supplies.....	2	Hand stamps.....	5
Electroplating.....	2	Hats and caps, other than felt, straw, and wool.....	3
Engines, steam, gas, and water.....	2	Hats, wool-felt.....	1
Engraving and diecasting.....	3	House-furnishing goods, not elsewhere specified.....	2
Engraving, steel and copper plate, including plate printing.....	1	Ice, manufactured.....	1
Engraving, wood.....	1	Ink, printing.....	1
Flags and banners.....	1	Instruments, medical and surgical.....	1
Furs, dressed.....	3	Jewelry.....	8
Gas, illuminating and heating.....	2	Lead, bar, pipe, and sheet.....	1
Glass, cutting, staining, and ornamenting.....	6	Liquors, malt.....	3
		Liquors, vinous.....	1

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

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

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

Dollars. 4,534,416	Dollars. 5,098,044	Dollars. 24,449,322	Dollars. 672,181	Dollars. 783,192	Dollars. 4,740,660	Dollars. 83,267,031	Dollars. 1,903,379	Dollars. 149,638,290	Dollars. 64,467,830	40,845	18,934	1,733	284	.....	19,894	13,065	1
9,038	3,225	75,013	.....	504	1,707	68,381	3,800	180,122	107,935	97	.....	.....	27	.....	70	.....	2
20,645	7,124	86,043	.....	7,094	3,028	123,943	7,007	336,224	204,214	183	.....	.....	.....	.....	183	.....	3
38,399	27,264	306,885	11,900	53,662	7,067	347,440	19,093	990,300	623,767	207	.....	.....	2	.....	205	.....	4
.....	3,749	15,265	.....	2,400	230	49,654	705	105,820	55,461	11	.....	.....	.....	.....	11	.....	5
2,100	1,778	55,242	.....	3,812	1,085	45,059	1,358	126,039	79,622	21	.....	.....	.....	.....	21	.....	6
189,034	364,684	1,161,383	.....	20,785	168,649	4,843,287	33,759	7,776,683	2,899,637	1,308	.....	.....	.....	.....	1,308	.....	7
80,414	8,514	279,248	.....	2,250	25,721	813,085	15,885	1,420,801	599,491	1,091	791	.....	.....	.....	300	40	8
.....
25,480	10,465	108,495	.....	2,700	12,088	297,197	21,646	626,966	308,123	331	.....	.....	.....	.....	331	.....	9
150,085	194,641	595,723	1,900	73,633	46,455	3,629,744	82,936	5,599,146	1,880,460	815	370	.....	.....	.....	445	247	10
.....	2,100	29,091	.....	1,344	170	79,908	472	133,056	53,276	21	.....	.....	2	.....	19	.....	11
78,004	80,799	145,815	295	12,502	35,315	7,916,369	39,654	9,038,459	1,082,490	928	615	.....	.....	.....	313	411	12
38,417	31,585	312,907	.....	4,595	45,581	682,205	17,968	1,378,738	678,565	605	500	.....	.....	.....	105	565	13
.....
241,379	110,935	5,247,804	.....	.....	.....	2,201,850	223,910	8,068,846	5,553,080	2,471	2,444	.....	12	.....	15	4,225	14
.....
44,289	48,498	349,429	2,421	13,577	27,099	1,077,146	6,027	1,821,916	738,743	356	224	.....	.....	.....	132	22	15
65,584	172,181	381,756	600	39,683	201,135	1,912,035	30,830	3,481,190	1,538,325	537	215	.....	.....	.....	322	55	16
45,026	12,998	199,449	4,038	7,285	8,487	376,039	6,202	793,219	411,978	121	.....	.....	2	.....	119	.....	17
10,735	8,575	54,815	.....	8,066	2,505	108,431	1,738	208,116	97,947	55	.....	.....	.....	.....	.....	.....	18
36,725	36,201	120,026	.....	5,200	28,871	6,135,047	39,736	6,589,372	415,059	1,191	125	.....	.....	.....	1,086	.....	19
67,048	42,007	140,503	36,000	14,806	147,590	3,721,722	32,348	5,073,392	1,310,322	498	114	.....	.....	.....	384	00	20
.....
325,309	350,267	2,701,645	16	16,452	310,810	3,521,273	311,298	12,079,703	8,247,132	3,399	710	1,333	10	.....	1,346	4,150	21
86,231	48,950	778,950	16	2,400	192,820	1,290,355	184,316	3,479,343	2,004,672	1,178	225	.....	.....	.....	935	.....	22
239,078	301,317	1,022,695	.....	14,052	117,090	2,230,018	126,982	8,600,360	6,242,460	2,221	485	1,333	10	.....	393	4,150	23
190,673	364,446	767,085	4,203	74,716	275,093	4,473,598	15,503	6,581,868	2,092,769	441	.....	.....	.....	.....	441	.....	24
49,358	37,328	213,921	100	11,140	10,143	330,524	12,210	802,031	459,288	306	100	.....	.....	.....	206	1	25
28,790	15,372	96,784	.....	9,700	4,552	147,986	5,416	383,811	230,409	130	100	.....	.....	.....	30	1	26
.....
20,568	21,956	117,137	100	1,440	5,591	182,538	6,803	418,220	228,879	176	.....	.....	.....	.....	176	.....	27
5,325	3,801	23,898	4,860	3,544	698	52,977	965	120,958	67,016	20	.....	.....	.....	.....	7	.....	28
.....	1,000	12,636	.....	500	200	88,200	728	125,752	36,725	7	.....	.....	.....	.....	7	.....	29
157,200	132,607	458,841	.....	14,554	79,805	1,893,731	6,407	3,070,485	1,170,287	109	.....	.....	.....	.....	109	.....	30
.....
80,141	284,486	355,976	.....	8,233	35,006	1,413,623	26,598	2,506,054	1,066,433	2,194	1,120	.....	.....	.....	1,074	17	31
.....
32,457	11,036	143,573	16,000	9,714	5,976	211,258	16,571	550,622	322,793	930	95	.....	3	.....	832	.....	32
7,810	4,830	21,893	.....	1,596	1,059	48,034	1,551	117,340	67,755	76	.....	.....	3	.....	73	.....	33
24,047	6,206	121,680	16,000	8,118	4,917	163,224	15,020	433,282	255,038	854	95	.....	.....	.....	759	.....	34
18,555	27,326	27,604	.....	4,853	25,906	116,208	3,223	269,218	149,787	61	.....	.....	11	.....	50	.....	35
81,695	94,357	51,613	7,884	7,367	32,153	253,914	3,854	948,593	690,825	151	6	.....	.....	.....	145	.....	36
74,495	92,758	43,661	7,884	6,227	31,896	240,437	3,742	909,598	665,419	145	.....	.....	.....	.....	145	.....	37
7,200	1,599	7,952	.....	1,140	257	13,477	112	38,995	25,406	6	6	.....	.....	.....	.....	.....	38
.....
429,854	543,017	1,333,944	291,172	71,298	144,663	1,541,928	49,492	5,824,289	4,232,869	1,389	100	.....	.....	.....	1,289	1	39
268,028	140,799	380,798	235,414	60,472	55,882	1,327,971	36,005	3,761,636	2,397,660	1,087	100	.....	.....	.....	987	1	40
161,826	402,218	473,146	55,758	10,826	88,781	213,967	13,487	2,062,663	1,835,209	392	.....	.....	.....	.....	392	.....	41
.....
337,342	272,014	1,083,311	237,959	73,548	134,667	1,784,582	33,010	6,579,475	4,761,883	677	.....	.....	.....	.....	677	.....	42
275,368	231,527	1,062,658	55,242	62,348	130,394	1,704,966	32,937	5,078,593	4,240,690	675	.....	.....	.....	.....	675	.....	43
.....
61,974	40,487	20,653	182,717	11,200	4,273	79,616	78	600,882	521,193	2	.....	.....	.....	.....	2	.....	44
2,000	3,000	26,551	.....	1,800	676	195,703	5,080	277,889	77,046	77	.....	.....	.....	.....	77	.....	45
.....
24,177	8,505	140,181	7,639	2,362	3,555	260,044	11,740	481,488	209,704	125	.....	.....	.....	.....	125	.....	46
.....
27,792	62,379	289,348	421	14,039	144,319	601,700	4,015	1,249,836	644,061	18	.....	.....	.....	.....	18	.....	47
1,034,446	1,729,752	6,995,493	44,773	189,204	2,771,157	32,000,213	817,476	54,412,364	21,585,675	20,094	11,405	400	215	.....	8,074	4,171	48

Lithographing..... 1
 Looking-glass and picture frames..... 1
 Lubricating greases..... 1
 Mats and matting, from cocoa fiber, grass, and coir..... 1
 Mattresses and spring beds, not elsewhere specified..... 3
 Millinery and lace goods, not elsewhere specified..... 7
 Models and patterns, not including paper patterns..... 6
 Mudclage, paste, and other adhesives, not elsewhere specified..... 2
 Musical instruments, pianos..... 1
 Oil, linseed..... 2
 Optical goods..... 1
 Paints..... 3

Paper and wood pulp..... 1
 Paper goods, not elsewhere specified..... 2
 Paving materials..... 1
 Perfumery and cosmetics..... 3
 Phonographs and graphophones..... 1
 Photo-engraving..... 4
 Photographic materials..... 1
 Pickles and sauces..... 3
 Printing materials..... 2
 Refrigerators..... 2
 Regalia, and society badges and emblems..... 1
 Roofing materials..... 3
 Saddlery and harness..... 8
 Sand and emery paper and cloth..... 1
 Shipbuilding, wooden, small boats..... 2
 Shirts..... 4

Show cases..... 1
 Signs and advertising novelties..... 2
 Slaughtering and meat packing..... 3
 Soap..... 3
 Sporting and athletic goods..... 1
 Stationery goods, not elsewhere specified..... 1
 Statuary and art goods..... 3
 Steam packing..... 1
 Steel barrels, drums, and tanks..... 1
 Stereotyping and electrotyping..... 2
 Stoves and hot-air furnaces..... 4
 Stoves, gas and oil..... 1
 Surgical appliances..... 1
 Suspenders, garters, and elastic woven goods..... 2
 Theatrical scenery..... 1

Tinware, not elsewhere specified..... 4
 Tobacco, smoking..... 9
 Tools, not elsewhere specified..... 4
 Toys and games..... 1
 Trunks and valises..... 4
 Upholstering materials, not elsewhere specified..... 1
 Varnishes..... 3
 Window shades and fixtures..... 3
 Wirework, not elsewhere specified..... 2
 Wood, turned and carved..... 1
 Wooden goods, not elsewhere specified..... 1

¹ Same number reported for one or more other months.
² Same number reported throughout the year.

MANUFACTURES—MINNESOTA.

TABLE 30.—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 10,000 TO 50,000 INHABITANTS²—ALL INDUSTRIES COMBINED.

																		Dollars.
1	FARIBAULT.....	53	1,004	42	60	54	42	806	Au	048	Fe	717	955	696	244	14	1	4,424,800
2	HIBBING.....	16	75	16	4	2	3	50	Je	53	Ja	45	53	38	15	.....	.....	398,872
3	MANKATO.....	56	1,037	55	73	77	61	771	No	862	Ja	692	863	692	170	1	.....	0,865,977
4	ROCHESTER.....	41	439	49	23	8	.....	359	No	381	Ja	334	379	320	59	.....	.....	2,172,002
5	ST. CLOUD.....	72	2,336	58	99	88	93	1,998	Oc	2,145	De	1,898	1,990	1,886	81	23	.....	8,596,608
6	WINONA.....	73	3,054	54	154	200	112	2,534	De	2,842	Ap	2,345	2,874	2,027	843	1	3	17,441,370

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 10,000 TO 50,000 INHABITANTS ²—ALL INDUSTRIES COMBINED.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
158,968	118,580	688,298	3,260	21,705	132,656	7,953,981	124,703	10,155,358	2,076,674	2,823	1,525	.....	.....	310	988	514	1
5,696	4,710	67,600	400	5,620	4,845	151,975	15,706	320,427	152,746	63	.....	.....	.....	.....	63	.....	2
170,950	187,356	728,045	431	10,695	118,303	7,812,388	139,657	9,766,306	1,814,261	3,291	1,755	40	2	6	1,488	618	3
59,966	19,181	336,700	108	12,769	40,612	1,235,536	71,273	2,250,242	943,433	1,368	729	25	114	50	450	256	4
281,543	292,509	2,328,400	5,844	10,858	81,620	4,261,828	205,396	7,733,764	3,296,540	6,883	1,620	.....	102	600	4,561	100	5
457,532	475,218	2,161,363	74,181	24,786	478,269	18,896,561	376,545	25,119,522	5,846,416	10,458	3,150	.....	2	.....	7,306	680	6

² Excludes Austin and Virginia to avoid disclosure of individual operations.

MINES AND QUARRIES—MINNESOTA.

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.

Minnesota, which ranks eleventh among the states in size (land area 80,858 square miles) and seventeenth in population (2,387,125 in 1920), ranked eighth in value of mineral products in 1919. The state ranked thirteenth in the total number of persons engaged in the mining industries and twelfth in the average number of wage earners employed.

The total value of mineral products for the state in 1919 was \$130,399,254, an increase of 122.3 per cent over the value reported at the census of 1909. This increase and the increases in capital, wages, cost of supplies and materials and fuel and power, shown in Table 1, are largely due to general price increases during the census interval and therefore may not be used properly to measure the growth of mining. The large increase in taxes is due to special taxes imposed by the state on iron-ore lands and mining and also to Federal income tax added since 1909. The slight increase in the number of wage earners employed, in the face of the temporarily adverse industrial conditions in 1919, is indicative of progress in the mining industries.

The mining industries reported for 1919, classified by principal products and listed in order of value of products, were iron ore, granite, manganese ore, limestone, abrasive materials, clay, and sandstone. The industries for which statistics can be shown without disclosure of individual operations are ranked according to value of products in Table 2.

The principal mining industry in Minnesota was the mining of iron ore, in which Minnesota leads all other states. The industry third in importance in the state, herein designated as the mining of manganese ores, is virtually a part of the iron-ore mining industry as its products are, strictly speaking, manganiferous iron ores obtained by the same methods and in the same localities as are the iron ores proper. The enterprises mining iron and manganiferous ores in Minnesota in 1919 included 95 out of a total of 135 enterprises, employed 96 per cent of the total number of wage earners, and reported products valued at \$128,780,284, or 98.8 per cent of the total value of mineral products of the state. These industries are located in St. Louis, Itasca, and Crow Wing Counties.

Granite quarrying ranked second among the mineral industries in Minnesota in 1919. Although small in comparison with iron-ore mining, the granite industry in the St. Cloud region in Stearns and Sherburne Counties is nevertheless important, supplying stone which is widely used for building and paving.

In addition to the operation of the producing mines and quarries, some mining work was done in

Minnesota on mineral properties which were not productive in 1919; ten such enterprises in the iron-ore mining industry were reported. These enterprises, with a combined capital of \$6,427,966, employed 275 wage earners and expended \$1,583,584 for development. The number of wage earners employed and the expenditures for development represented 1.6 per cent of the aggregate number of wage earners and the aggregate expenditures reported for all mining operations in the state.

The character of organizations conducting mining enterprises in Minnesota in 1919 is brought out in Table 3, which shows that corporations were most important not only as to number of enterprises operated, but also as to total number of wage earners employed and total value of products reported. Practically all iron-ore and manganese enterprises were controlled by corporations. Only two enterprises reported other forms of ownership and their operations were small as compared with those conducted by corporations.

The relatively large number of small enterprises, as measured by the average number of wage earners employed, is shown in Table 4. Of the total number of mining enterprises in Minnesota, 73.3 per cent had no wage earners or fewer than 101 each and the wage earners employed were only 19.8 per cent of the total number of wage earners. On the other hand, only 26.7 per cent of the total number of enterprises had more than 100 wage earners each and employed 80.2 per cent of the total number of wage earners. The larger enterprises were in the iron-ore and manganese-mining industries.

Table 5 shows that in a majority of enterprises but for only 33.6 per cent of the wage earners the prevailing hours of labor were 44 to 53 per week. In about one-third of the enterprises, employing 63.9 per cent of the total number of wage earners, the hours of labor were 54 to 62 per week. In the principal industry, iron-ore mining, the 8-hour day and 6-day week was reported by a majority of the enterprises but for less than one-third of the wage earners. Thirty-three out of 88 enterprises in this industry, employing 65.3 per cent of the total number of wage earners in the industry, reported hours of labor ranging from 54 to 62 per week. In most of these enterprises the 10-hour day and 6-day week prevailed. In the quarry industry the 8-hour day and 6-day week was the rule.

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

during the census year. The normal seasonal control of iron mining in Minnesota is indicated by the figures in this table.

Table 7 presents for 1919 statistics in detail for the state as a whole and for each industry that can be shown without 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.....	135	153	-11.8	Capital.....	\$310,095,559	\$176,950,369	75.2
Number of mines and quarries.....	196	250	-21.2	Principal expenses:			
Persons engaged.....	18,562	18,068	2.7	Salaries.....	3,048,421	1,568,740	94.3
Proprietors and firm members, total....	40	169	-76.3	Wages.....	29,383,021	11,907,049	146.8
Number performing manual labor in or about the mines and quarries.....	10	99	-89.0	Contract work.....	1,512,999	2,157,108	-29.9
Salaried employees.....	1,257	1,313	-4.3	Supplies and materials.....	14,101,962	6,736,806	109.3
Wage earners (average number).....	17,265	16,586	4.1	Fuel and power.....	4,681,952	2,024,606	131.3
Power used (horsepower).....	144,190	151,834	-5.0	Royalties and rents.....	17,642,811	10,731,959	64.4
				Taxes.....	26,074,651	2,824,161	823.3
				Value of products.....	130,399,254	58,064,852	122.3

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

TABLE 2.—PRINCIPAL INDUSTRIES, PRODUCING ENTERPRISES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.		INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.	
		Average number.	Per cent distribution.	Amount.	Per cent distribution.			Average number.	Per cent distribution.	Amount.	Per cent distribution.
All industries.....	135	17,265	100.0	\$130,399,254	100.0	Manganese.....	6	347	2.0	\$403,110	0.3
Iron ore.....	89	16,236	94.0	128,377,174	98.4	Limestone.....	10	156	0.9	311,180	0.2
Granite.....	27	392	2.3	1,136,891	0.9	All other industries ¹	3	134	0.8	172,399	0.1

¹ Includes enterprises in industries as follows: Abrasive materials, 1; clay, 1; sandstone, 1.

TABLE 3.—CHARACTER OF ORGANIZATION, PRODUCING ENTERPRISES: 1919.

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.....	135	17,265	\$130,399,254	\$965,920	100.0	100.0	100.0
Corporation.....	112	16,884	129,589,822	1,157,052	83.0	97.8	99.4
Individual.....	12	157	265,400	22,117	8.9	0.9	0.2
Firm.....	11	224	544,032	49,457	8.1	1.3	0.4

MINES AND QUARRIES—MINNESOTA.

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.....	135	100.0	17,265	100.0	GRANITE.....	27	100.0	392	100.0
No wage earners.....	2	1.5	.....	.....	No wage earners.....	1	3.7	.....	.....
1 to 5.....	14	10.4	38	0.2	1 to 5.....	9	33.3	24	6.1
6 to 20.....	26	19.2	307	1.8	6 to 20.....	9	33.3	77	19.6
21 to 50.....	26	19.2	912	5.3	21 to 50.....	6	22.2	157	40.1
51 to 100.....	31	23.0	2,155	12.5	51 to 100.....	2	7.4	134	34.2
101 to 500.....	36	26.7	13,853	80.2	MANGANESE.....	6	100.0	347	100.0
IRON ORE.....	89	100.0	16,236	100.0	6 to 20.....	2	33.3	31	8.0
No wage earners.....	1	1.1	.....	.....	21 to 50.....	3	50.0	90	25.0
1 to 5.....	1	1.1	4	(¹)	101 to 500.....	1	10.7	226	65.1
6 to 20.....	11	12.4	154	0.9	LIMESTONE.....	10	100.0	156	100.0
21 to 50.....	15	16.9	617	3.8	1 to 5.....	4	40.0	10	6.4
51 to 100.....	26	29.2	1,834	11.3	6 to 20.....	3	30.0	36	23.1
101 to 500.....	35	39.3	13,627	83.9	21 to 50.....	2	20.0	48	30.8
					51 to 100.....	1	10.0	62	39.7

¹ Less than one-tenth of 1 per cent.

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

INDUSTRY.	TOTAL.		NUMBER WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—									
	Enter-prises.	Wage earners.	35 and under.		36 to 43.		44 to 53.		54 to 62.		63 to 71.	
			Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.
All industries.....	133	17,265	2	25	1	8	81	5,793	45	11,030	4	409
Iron ore.....	88	16,236	1	11	1	8	50	5,240	33	10,598	3	379
Granite.....	26	392	.....	.....	.....	.....	23	346	2	16	1	30
Manganese.....	6	347	1	14	.....	.....	3	68	2	265	.....	.....
Limestone.....	10	156	.....	.....	.....	.....	4	74	6	82	.....	.....
All other.....	3	134	.....	.....	.....	.....	1	65	2	69	.....	.....

¹ Exclusive of 2 enterprises employing no wage earners in the following industries: Granite, 1; iron ore, 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.....	17,540	16,496	16,650	16,285	17,346	18,969	18,883	19,079	18,960	18,398	17,516	16,563	<i>15,335</i>	80.4
Producing enterprises.....	17,265	16,033	16,364	16,010	17,054	18,043	18,587	18,804	18,667	18,178	17,348	16,383	<i>16,109</i>	80.3
Iron ore.....	16,236	14,961	15,252	15,132	16,083	17,716	17,605	17,753	17,574	17,069	16,225	15,338	<i>14,119</i>	79.5
Granite.....	392	533	353	351	351	378	387	413	413	422	437	444	422	75.0
Manganese.....	347	529	555	291	302	252	205	306	362	359	359	307	207	41.8
Limestone.....	156	52	53	105	159	190	217	198	203	201	185	166	143	24.0
All other industries.....	134	158	151	131	154	127	113	134	115	127	142	128	128	71.5
Nonproducing enterprises—iron ore.....	275	463	286	275	292	326	296	275	293	220	<i>103</i>	180	226	35.3

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

	Aggregate.	PRODUCING ENTERPRISES.						NONPRO- DUCING EN- TERPRISES.
		Total.	Iron ore.	Granite.	Manganese.	Limestone.	All other. ¹	
Number of enterprises.....	145	135	89	27	6	10	3	10
Number of mines and quarries.....	206	196	141	34	8	10	3	10
Capital.....	\$310, 523, 525	\$310, 095, 559	\$304, 386, 006	\$771, 686	\$4, 066, 854	\$497, 618	\$373, 495	\$6, 427, 966
Principal expenses:								
Salaries and wages—								
Officers.....	\$404, 998	\$395, 013	\$366, 287	\$16, 896	\$5, 350	\$6, 500	.....	\$9, 985
Superintendents and managers.....	\$865, 518	\$851, 248	\$818, 540	\$6, 850	\$13, 247	\$7, 478	\$5, 133	\$14, 270
Technical employees.....	\$466, 743	\$461, 518	\$452, 857	\$7, 124	\$1, 537	.....	.....	\$5, 225
Clerks, etc.....	\$1, 353, 043	\$1, 340, 642	\$1, 313, 203	\$10, 050	\$11, 992	\$5, 397	.....	\$12, 401
Wage earners.....	\$20, 835, 092	\$20, 383, 021	\$28, 333, 475	\$477, 028	\$279, 735	\$158, 065	\$134, 118	\$452, 071
Supplies and materials.....	\$14, 442, 274	\$14, 101, 992	\$13, 870, 897	\$98, 962	\$50, 275	\$27, 642	\$18, 180	\$340, 312
Fuel.....	\$4, 233, 307	\$4, 155, 158	\$4, 069, 293	\$55, 475	\$22, 898	\$11, 747	\$5, 745	\$78, 209
Power.....	\$553, 822	\$526, 794	\$455, 323	\$33, 074	\$27, 615	\$9, 267	\$1, 514	\$27, 028
Royalties and rents.....	\$17, 746, 402	\$17, 642, 811	\$17, 532, 030	\$4, 371	\$58, 401	\$9, 906	\$8, 103	\$103, 591
Taxes.....	\$26, 382, 843	\$26, 074, 651	\$25, 013, 086	\$17, 865	\$34, 964	\$8, 059	\$607	\$308, 192
Contract work.....	\$2, 188, 794	\$1, 512, 999	\$1, 444, 260	\$2, 130	\$43, 315	\$23, 292	.....	\$675, 795
Expenditures for development (included in the above items).....	\$11, 537, 264	\$9, 953, 080	\$9, 812, 048	\$15, 785	\$121, 973	\$3, 324	.....	\$1, 583, 584
Value of products.....	\$130, 399, 254	\$130, 399, 254	\$128, 377, 174	\$1, 135, 391	\$403, 110	\$311, 180	\$172, 399	.....
Persons engaged in industry.....	18, 864	18, 562	17, 422	445	378	176	141	302
Proprietors and firm members (total).....	40	40	2	25	1	8	4	.....
Number performing manual labor.....	19	19	.....	18	.....	1	.....	.....
Salaried officers.....	69	63	50	7	4	2	.....	6
Superintendents and managers.....	269	253	232	4	3	5	3	.....
Technical employees.....	190	187	179	5	.....	.....	.....	3
Clerks, etc.....	766	754	723	12	14	5	.....	12
Wage earners (average number).....	17, 540	17, 265	16, 236	392	347	156	134	275
Wage earners by occupation (Dec. 15):								
Above ground (total).....	2, 012	2, 942	2, 850	436	213	201	142	270
Below ground (total).....	9, 312	9, 253	8, 777	.....	476	.....	.....	59
Foreman, shift bosses, etc.—								
Above ground.....	449	434	400	19	5	7	3	15
Below ground.....	275	269	249	.....	20	.....	.....	6
Enginemen, hoistmen, electricians, mechanics, etc.—								
Above ground.....	3, 340	3, 207	3, 105	25	50	21	6	73
Below ground.....	268	267	255	.....	4	.....	.....	11
Miners, quarrymen, and drillmen, including their helpers—								
Above ground.....	1, 040	1, 010	552	313	.....	112	33	30
Below ground.....	5, 370	5, 362	4, 974	.....	388	.....	.....	8
Timbermen, trackmen, and men engaged in hauling, tramming, etc.—								
Above ground.....	809	775	742	5	28	.....	.....	34
Below ground.....	1, 514	1, 493	1, 431	.....	62	.....	.....	21
Muckers, loaders, laborers, and others not classified—								
Above ground.....	3, 453	3, 335	3, 052	16	130	37	100	118
Below ground.....	1, 885	1, 872	1, 870	.....	2	.....	.....	13
Wage earners employed in mills and beneficiating plants—								
Above ground.....	521	521	439	58	.....	24	.....	.....
Mineral land operated..... acres.....	26, 128	24, 836	21, 071	1, 074	970	371	450	1, 292
Land controlled, total..... acres.....	287, 073	285, 541	282, 698	1, 152	970	371	450	1, 532
Mineral land owned.....	5, 899	5, 899	4, 073	1, 027	.....	359	440	.....
Mineral land leased.....	21, 166	19, 874	18, 335	47	970	12	10	1, 292
Timber and other lands owned and leased.....	260, 008	259, 768	259, 690	78	.....	.....	.....	240
Power used: Aggregate horsepower.....	148, 015	144, 199	135, 924	3, 675	2, 554	1, 594	452	3, 816
Prime movers (horsepower, total).....	116, 229	114, 354	110, 831	1, 770	796	605	352	1, 875
Steam engines—								
Number.....	1, 315	1, 293	1, 212	48	14	14	5	22
Horsepower.....	113, 374	111, 508	108, 430	1, 020	609	599	250	1, 866
Steam turbines—								
Number.....	4	4	4	.....	.....	.....	.....	.....
Horsepower.....	1, 629	1, 629	1, 620	.....	.....	.....	.....	.....
Internal-combustion engines—								
Number.....	37	36	18	5	5	1	7	1
Horsepower.....	1, 226	1, 217	772	150	187	6	102	9
Purchased power (horsepower, total).....	31, 786	29, 845	25, 093	1, 905	1, 758	989	100	1, 941
Electric motors operated by purchased current—								
Number.....	603	578	402	42	39	33	2	25
Horsepower.....	31, 786	29, 845	25, 093	1, 905	1, 758	989	100	1, 941
Electric motors run by current generated by enterprise using:								
Number.....	436	436	436	.....	.....	.....	.....	.....
Horsepower.....	13, 563	13, 563	13, 563	.....	.....	.....	.....	.....
Fuel used:								
Coal, anthracite..... tons, 2, 240 pounds.....	3, 248	3, 248	3, 248	.....	.....	.....	.....	.....
Coal, bituminous..... tons, 2, 000 pounds.....	738, 750	726, 392	714, 873	6, 315	2, 836	1, 578	790	12, 358
Coke..... tons, 2, 000 pounds.....	758	758	758	.....	.....	.....	.....	.....
Wood..... cords.....	477	477	322	125	.....	30	.....	.....
Fuel oils..... barrels.....	1, 230	1, 230	1, 200	.....	30	.....	.....	.....
Gasoline and other volatile oils..... barrels.....	2, 716	2, 666	2, 223	266	20	7	150	50

¹ Includes enterprises as follows: Abrasive materials, 1; clay, 1; sandstone, 1.
² Includes 3 females and 2 wage earners under 16 years of age.

³ Includes 2 females and 2 wage earners under 16 years of age.
⁴ Includes 1 female.