

[Y4.F49:M3]

SUMMARY OF
CENSUS OF MANUFACTURES, BY INDUSTRIES,
FOR THE UNITED STATES

1919

COMPILED FOR THE USE OF THE
COMMITTEE ON FINANCE, UNITED STATES SENATE
BY THE
BUREAU OF THE CENSUS, DEPARTMENT OF COMMERCE

[Preliminary totals subject to correction]



WASHINGTON
GOVERNMENT PRINTING OFFICE
1922

BEST AVAILABLE COPY

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES.

Industry.	Number of establishments.	Capital.	Salary and wage pay, etc.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
United States, all industries.....	260,106	844,686,083,771	\$13,432,971,834	\$709,568,198	\$743,068,513	\$1,439,100,768	\$10,881,009,840
1 Airplanes, seaplanes, airships and parts.....	31	17,738,875	6,907,430	477,118	348,348	1,178,333	4,908,740
2 Agriculture implements.....	821	306,983,032	88,630,177	3,178,186	6,180,837	13,886,730	69,704,434
3 Aluminum manufactures.....	83	48,460,364	16,532,980	584,048	930,829	1,793,301	13,337,308
4 Ammunition.....	42	94,558,648	31,194,843	1,779,133	3,468,308	3,339,830	20,867,693
5 Artificial flowers.....	224	6,075,418	4,362,710	130,083	187,373	534,364	3,746,911
6 Artificial limbs.....	177	2,321,416	1,323,008	170,610	136,833	341,649	794,438
7 Artificial stone products.....	2,788	39,646,743	11,601,888	947,619	679,830	653,640	9,310,899
8 Artists' materials.....	58	4,063,790	1,474,700	230,000	98,534	341,412	899,704
9 Asbestos products, not including steam packing.....	46	16,404,739	6,331,707	663,330	332,703	613,301	3,731,974
10 Automobile bodies and parts.....	2,515	470,467,533	213,922,843	9,233,987	10,688,366	18,061,007	178,965,608
11 Automobiles.....	315	1,310,451,400	379,381,674	6,673,308	37,918,379	33,624,122	312,166,870
12 Automobile repairing.....	17,507	141,123,064	83,116,590	3,184,787	4,102,934	5,265,398	71,613,471
13 Awnings, tents, and sails.....	896	26,727,621	8,806,670	1,390,660	536,973	1,008,508	5,883,323
14 Babbitt metal and solder.....	118	24,333,342	5,062,818	637,724	463,416	1,079,630	2,682,138
15 Bags, other than paper.....	216	79,042,143	11,844,644	1,607,930	700,386	1,784,947	7,786,523
16 Bags, paper.....	78	34,584,881	5,638,190	332,313	349,103	1,008,945	3,662,830
17 Baking powders and yeast.....	88	43,486,136	6,361,930	611,458	400,194	1,795,739	3,664,634
18 Baskets, and rattan and willow ware.....	378	7,199,393	4,172,723	318,897	179,185	310,964	3,369,093
19 Bells.....	10	1,004,744	364,230	41,739	6,538	10,903	306,110
20 Belting and hose, rubber.....	18	45,919,668	8,961,130	377,771	454,366	2,045,474	6,079,539
21 Belting and hose, woven.....	41	17,348,974	3,743,813	394,919	343,307	803,308	3,202,188
22 Belting, leather.....	173	27,533,809	5,966,318	923,011	517,455	1,256,313	3,360,439
23 Billiard tables, bowling alleys and accessories.....	49	7,040,990	2,696,781	108,800	58,655	107,963	3,426,368
24 Blacking, stains, and dressings.....	220	13,080,901	4,728,386	844,098	383,030	1,412,135	3,109,108
25 Bluing.....	57	1,227,619	448,555	40,964	47,739	74,809	283,088
26 Bone, carbon, and lampblack.....	35	9,790,167	1,120,718	176,875	88,938	46,573	808,333
27 Bookbinding and blank-book making.....	1,113	43,041,207	26,112,733	2,110,190	1,280,231	4,068,491	18,656,331
28 Boot and shoe cut stock.....	253	61,747,458	12,483,004	1,016,751	1,100,863	1,310,563	9,134,779
29 Boot and shoe findings.....	427	28,988,416	10,808,794	891,269	842,108	685,126	8,187,196
30 Boots and shoes.....	1,449	612,623,075	268,368,576	13,647,590	13,304,113	31,172,261	310,734,610
31 Boots and shoes, rubber.....	28	131,513,436	38,384,110	770,161	1,711,320	4,919,607	30,882,733
32 Boxes, cigar.....	189	16,611,844	4,308,781	343,396	367,437	187,708	3,513,336
33 Boxes, paper and other, not elsewhere specified.....	1,201	131,390,728	58,898,006	6,111,453	3,484,668	5,976,308	43,836,654
34 Boxes, wooden packing, except cigar boxes.....	1,140	108,982,698	48,465,818	4,080,460	2,681,195	2,022,948	26,611,183
35 Brass, bronze, and copper products.....	1,093	335,399,738	117,748,794	6,739,464	6,770,664	10,056,898	94,122,118
36 Bread and other bakery products.....	26,096	529,265,779	307,067,026	7,631,437	7,662,675	33,605,964	188,267,099
37 Brick and tile, terra-cotta and fire-clay products.....	2,414	355,948,355	94,096,982	5,742,634	5,347,343	6,880,890	78,356,056
38 Brooms.....	1,034	16,707,662	7,656,011	601,319	398,337	941,470	5,708,896
39 Brushes.....	379	27,308,300	10,761,790	1,191,967	808,913	1,629,733	7,113,391
40 Butter.....	3,738	162,302,108	28,574,318	1,861,261	3,365,909	4,274,699	19,032,739
41 Butter, reworking.....	5	602,903	79,133	2,000	11,000	3,701	56,433
42 Buttons.....	667	26,977,973	17,121,937	1,181,699	513,396	1,366,393	13,772,699
43 Candles.....	19	4,033,426	736,413	164,443	57,236	65,548	437,561
44 Canning and preserving, fish.....	410	63,046,038	11,938,634	1,373,992	895,001	761,692	9,038,059
45 Canning and preserving, fruits and vegetables.....	3,062	223,692,334	56,943,637	4,937,071	4,378,060	4,086,979	43,862,637
46 Canning and preserving, oysters.....	63	2,971,876	618,013	69,439	50,370	36,323	493,000
47 Card cutting and designing.....	78	2,297,979	1,401,779	133,933	133,099	181,899	989,377
48 Cardboard.....	16	6,463,033	2,080,900	314,138	330,681	206,064	1,337,177
49 Carpets and rugs, other than rag.....	78	119,193,461	31,985,906	1,899,714	1,174,308	1,061,363	24,216,121
50 Carpets, rag.....	339	2,886,400	1,934,371	75,169	84,161	224,549	1,580,891

CENSUS OF MANUFACTURES : 1910.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	Rent and taxes.				Cost of materials used.			Value of products.
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.	
			Federal.	State.				
8	9	10	11	12	13	14	15	16
\$464,403,700	\$2,391,411,446	\$212,043,089	\$1,700,197,089	\$288,172,267	\$37,376,380,262	\$35,730,363,727	\$1,645,026,536	\$62,418,078,773
13,648	667,700	64,806	539,991	53,904	7,136,965	6,538,271	266,694	14,372,643
112,421	12,174,851	186,429	9,948,398	2,023,021	144,571,943	136,533,431	2,038,513	374,961,265
10,867	2,216,108	96,712	2,097,805	304,589	46,271,861	47,975,756	1,296,106	75,277,948
146,531	6,916,154	9,545	6,220,904	788,706	28,101,802	26,548,160	1,553,442	86,083,223
755,978	210,207	218,808	62,618	18,737	7,004,646	6,952,566	52,051	16,143,165
3,498	122,270	122,080	36,465	12,755	774,447	748,243	26,202	3,271,406
655,816	732,402	222,276	111,379	197,647	13,912,317	12,410,466	509,821	32,664,232
126,486	221,200	40,664	146,734	21,902	2,667,226	2,601,989	65,237	5,507,656
2,228	1,106,509	90,696	965,533	60,080	12,947,702	12,570,147	377,555	23,977,557
1,560,204	22,040,023	2,908,200	15,771,795	2,264,427	262,027,202	252,269,206	9,728,994	668,170,662
196,142	124,153,089	1,262,023	118,261,154	8,522,762	1,578,651,374	1,565,694,602	12,956,772	2,287,903,287
1,409,553	11,633,237	7,846,431	542,291	1,266,613	87,648,658	84,013,410	3,635,448	224,652,159
42,861	1,630,400	640,702	826,989	152,709	26,961,140	26,762,652	198,489	45,990,290
2,949	266,411	108,556	229,115	121,220	48,844,269	48,236,654	607,615	59,016,963
63,190	7,228,690	222,919	6,842,248	463,192	176,017,560	175,663,664	323,896	214,059,474
2,098	1,002,269	141,626	1,264,792	195,922	22,250,481	22,177,718	72,763	47,263,980
712	2,261,243	901,886	2,195,265	154,192	26,626,429	26,252,159	1,263,270	46,220,212
67,745	501,955	99,678	295,203	65,974	4,904,241	4,805,482	98,759	11,821,167
941	19,622	1,266	4,903	11,454	450,149	432,258	16,791	950,956
.....	1,164,456	4,620	877,022	222,212	12,210,401	12,268,748	941,652	24,210,540
150	592,457	27,076	469,526	85,844	11,642,011	11,462,696	179,315	19,176,277
114,526	954,470	206,764	490,013	148,063	23,156,711	22,890,053	267,653	40,480,654
1,022	612,816	44,413	526,442	31,960	6,100,862	5,963,469	137,393	15,723,047
9,864	609,017	192,101	322,127	93,789	14,041,840	13,909,126	132,704	26,284,072
775	66,672	29,260	59,754	7,558	1,542,934	1,522,745	19,209	2,721,277
4,500	177,196	2,515	115,711	57,960	2,848,059	1,461,264	1,386,795	6,186,204
452,226	2,501,206	1,516,508	764,116	230,645	22,225,171	22,750,119	478,052	66,020,677
24,268	1,753,692	299,545	1,045,268	224,751	123,827,276	123,270,230	616,446	161,268,210
840,202	1,473,099	403,626	861,201	196,200	40,426,247	40,017,475	408,772	62,825,406
1,980,644	26,180,529	2,022,826	19,124,009	2,012,794	715,269,215	709,231,265	6,017,959	1,155,041,426
96,467	2,080,055	58,124	2,296,212	726,718	50,246,880	49,025,640	1,221,240	116,917,424
522,479	222,182	125,115	142,096	53,971	6,226,540	6,205,782	20,758	12,110,212
257,794	7,991,908	2,426,296	4,553,286	972,221	101,122,292	98,932,287	2,209,905	209,419,242
622,966	5,018,190	840,666	2,242,222	622,200	102,946,225	101,908,198	1,041,022	177,818,424
419,968	14,647,115	261,824	10,629,615	2,261,626	204,822,580	202,126,779	2,695,801	422,212,780
711,822	26,226,227	11,229,420	10,908,241	2,626,516	712,229,411	692,764,520	19,474,891	1,151,896,218
528,612	5,224,049	426,078	2,224,712	1,974,268	67,426,112	22,064,160	24,402,952	208,422,929
152,414	655,627	161,706	298,080	108,072	17,205,109	17,169,441	196,665	20,208,267
118,559	1,526,711	260,922	1,042,022	197,066	19,568,122	19,221,629	216,494	29,005,607
426,799	2,414,721	626,124	1,960,211	222,846	514,242,729	509,928,220	4,317,409	522,162,011
.....	7,566	2,627	2,279	1,520	2,006,769	1,995,069	10,070	2,229,032
222,209	1,186,520	422,104	567,965	168,991	16,745,227	16,062,921	682,426	41,549,426
2,562	72,222	8,726	56,207	10,721	2,178,526	2,140,502	38,026	2,220,206
442,746	1,578,999	106,200	902,216	506,469	22,410,961	21,529,475	871,479	77,264,412
226,689	11,672,176	1,442,242	8,919,210	1,507,624	265,626,526	261,910,079	3,718,446	402,242,972
54,068	42,224	12,926	19,026	20,226	1,522,826	1,522,172	65,652	2,976,011
4,519	421,422	99,706	269,912	11,826	2,226,226	2,226,672	26,711	5,222,226
2,715	209,422	24,726	242,224	27,822	4,922,912	4,802,226	121,622	9,122,412
88,712	2,924,671	122,826	2,126,224	712,227	67,112,026	65,226,876	1,727,926	122,226,226
29,226	126,221	106,019	14,224	29,226	2,027,874	1,947,912	89,960	5,227,027

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Proprietors and firm members.		Number of salaried employees.						
			Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18		19	20	21	22	23	24	25
United States, all industries.....	266,894	10,243	1,447,227	127,074	5,398	370,947	10,306	659,775	373,732
1 Airplanes, seaplanes, airships and parts.....	10	4	645	48	2	103		312	180
2 Agriculture implements.....	298	23	12,488	565	22	2,267	12	7,376	2,946
3 Aluminum manufactures.....	84		1,821	86	1	265	5	777	565
4 Ammunition.....	7	3	4,645	101	2	997	19	1,854	1,661
5 Artificial flowers.....	200	24	504	78	7	69	20	226	112
6 Artificial limbs.....	181	3	295	45	7	56		84	108
7 Artificial stone products.....	3,013	42	1,446	286	10	458	2	378	317
8 Artists' materials.....	33	7	239	39	4	33		78	88
9 Asbestos products, not including steam packing.....	11		520	72	2	95	2	214	146
10 Automobile bodies and parts.....	2,092	37	18,497	1,620	46	4,077	22	7,748	4,974
11 Automobiles.....	34	2	22,227	542	5	5,815	68	16,606	9,290
12 Automobile repairing.....	18,408	163	9,008	1,042	41	2,167	37	2,758	2,967
13 Awnings, tents, and sails.....	824	37	1,514	297	21	226	24	528	228
14 Babbitt metal and solder.....	63		927	107	10	142	1	426	221
15 Bags, other than paper.....	165	1	1,720	161	9	226	12	774	528
16 Bags, paper.....	39	2	678	90	4	112	15	422	222
17 Baking powders and yeast.....	41	11	1,510	78	2	147	2	841	429
18 Baskets, and rattan and willow ware.....	260	10	427	91	2	107	7	126	93
19 Bells.....	5	1	22	15	1	5		2	9
20 Belting and hose, rubber.....			1,623	25	1	102	1	1,078	406
21 Belting and hose, woven.....	14	5	709	60	4	92	1	260	192
22 Belting, leather.....	86	5	1,163	171	10	155	6	526	282
23 Billiard tables, bowling alleys, and accessories.....	40	2	182	22		19	2	72	56
24 Blacking, stains, and dressings.....	174	5	1,121	127	12	115	10	597	270
25 Bluing.....	41	4	110	12	2	21	1	49	22
26 Bone, carbon, and lampblack.....	26	5	121	41		37		32	11
27 Bookbinding and blank-book making.....	1,056	55	3,815	426	42	402	61	1,576	1,228
28 Boot and shoe cut stock.....	220	4	1,562	142	5	256	27	285	642
29 Boot and shoe findings.....	401	22	1,280	182	12	207	14	244	224
30 Boots and shoes.....	526	47	25,175	1,704	48	5,421	446	8,494	9,064
31 Boots and shoes, rubber.....	1		5,052	69		721	74	2,209	1,680
32 Boxes, cigar.....	180	7	256	71	7	120	6	82	64
33 Boxes, paper, and other, not elsewhere specified.....	728	29	6,779	1,174	58	1,406	167	2,129	1,248
34 Boxes, wooden packing, except cigar boxes.....	819	20	2,602	226	22	1,160	15	984	642
35 Brass, bronze, and copper products.....	727	24	10,204	1,059	40	2,212	22	4,470	2,491
36 Bread and other bakery products.....	26,298	1,610	21,142	1,222	126	2,470	222	16,660	8,621
37 Brick and tile, terra-cotta and fire-clay products.....	1,572	71	7,929	1,612	51	2,080	6	2,446	1,142
38 Brooms.....	1,142	19	1,081	164	4	226	5	201	161
39 Brushes.....	207	22	1,642	217	12	254	15	644	501
40 Butter.....	1,924	72	6,692	721	22	1,627	26	2,000	2,222
41 Butter, reworking.....	4		11	1		2		4	4
42 Buttons.....	549	26	1,008	254	15	244	29	471	492
43 Candles.....	11	2	112	22		14		20	45
44 Canning and preserving, fish.....	267	5	1,274	275	8	267	7	252	264
45 Canning and preserving, fruits and vegetables.....	2,205	78	8,265	1,204	50	2,424	104	2,124	1,579
46 Canning and preserving, oysters.....	51		99	22	1	42	2	19	11
47 Card cutting and designing.....	67	2	120	27	5	26		69	52
48 Cardboard.....	2		287	26	2	62	25	84	77
49 Carpets and rugs, other than rag.....	49	1	1,268	122	2	204	4	266	228
50 Carpets, rag.....	270	21	209	20	4	55	5	115	99

CENSUS OF MANUFACTURES : 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	Number of wage earners Dec. 15, or nearest representative day.					Fuel used.							
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).	
36	37	38	39	40	41	42	43	44	45	46	47	48	
9,096,373	10,160,107	8,017,608	2,008,137	70,709	63,685	14,545,300	308,426,724	42,764,267	92,608,196	2,344,400	308,768,321	28,822,330	
2,543	2,474	2,300	213	6	.....	217	23,514	13	826	1,879	2,195	6,933	1
54,398	57,983	56,547	983	88	1	18,497	549,557	115,308	242,547	26,684	191,570	243,533	2
11,403	14,157	12,618	1,368	194	77	2,437	123,143	4,415	114,972	3,077	63,488	25,642	3
22,816	23,709	16,323	6,237	91	48	23,112	184,863	3,146	2,420,537	2,475	53,789	26,685	4
4,138	4,348	1,243	2,017	17	71	4,113	2,807	44	.....	13	496	8,974	5
671	678	617	58	6	.....	301	384	7	192	214	1,010	1,761	6
8,378	10,967	10,947	25	18	.....	3,354	34,921	643	1,673	6,487	22,397	2,572	7
926	1,034	777	219	23	6	2,963	61,114	15	947	162	560	5,397	8
3,654	4,083	3,128	898	28	22	5,448	31,817	2,325	5,931	692	.....	17,633	9
132,556	160,061	151,588	8,006	268	65	32,086	638,066	19,681	401,751	28,371	363,366	350,455	10
210,559	242,123	224,916	7,981	293	3	17,133	1,120,585	51,967	653,998	161,296	244,408	1,876,074	11
55,061	58,065	57,454	398	238	.....	34,451	127,453	2,170	8,948	21,094	278,385	171,437	12
6,028	6,134	3,256	2,818	30	18	2,308	8,074	82	49	277	8,548	2,563	13
2,373	2,798	2,510	241	13	5	4,316	46,288	4,019	64,199	40	3,787	60,397	14
10,756	11,714	4,378	7,065	73	198	2,312	23,103	344	581	36	3,556	863	15
4,198	4,790	2,310	2,468	43	69	1,034	13,708	78	220	55	122	301	16
3,331	3,390	2,538	624	18	3	2,990	219,015	598	36,045	1	80	2,828	17
4,533	5,061	3,327	1,637	99	26	909	10,767	103	531	180	874	1,546	18
237	364	232	32	.....	.....	594	762	40	382	72	69	135	19
5,826	6,064	6,057	829	26	32	23,580	84,728	274	30,452	3,199	.....	6,969	20
2,479	2,694	1,444	1,177	26	25	3,201	12,931	70	.....	1,412	754	140	21
2,765	3,066	2,803	184	76	3	18,214	15,731	22	1,580	82	2,015	3,365	22
2,101	2,597	2,301	268	3	.....	731	18,938	.....	.....	9	500	100	23
2,455	2,613	1,377	1,141	47	48	5,784	6,738	69	.....	311	4,618	6,478	24
390	384	180	197	2	5	289	290	3	.....	.....	952	509	25
678	684	662	2	.....	.....	25	6,661	.....	1,200	.....	49,487,396	8,626	26
20,361	22,946	10,004	11,564	368	320	3,302	12,537	52	1,413	173	18,503	19,986	27
9,718	10,265	7,327	2,606	183	69	2,997	20,663	408	532	16	1,101	874,873	28
8,941	10,188	6,543	3,318	172	186	3,092	25,858	120	276	55	1,758	8,489	29
211,049	230,457	139,497	84,641	4,434	2,685	46,096	394,926	2,602	24,062	2,901	70,984	2,469,175	30
32,875	34,723	19,849	13,877	411	598	19,453	126,967	1,391	98,009	6,190	.....	2,423	31
5,218	5,664	2,455	3,000	73	136	3,095	6,702	5	5	112	991	2,406	32
33,892	61,667	24,731	23,238	932	2,476	24,681	218,046	2,436	11,737	1,075	28,997	372,302	33
42,445	46,327	41,189	4,533	498	72	4,248	59,899	114	3,336	661	10,418	11,734	34
78,051	81,739	74,699	6,799	190	62	200,719	636,947	231,113	1,563,310	21,363	431,078	381,466	35
241,892	181,966	111,176	38,901	1,261	598	698,969	554,982	309,706	165,028	181,068	3,664,229	1,512,167	36
79,915	86,099	66,299	1,290	305	18	128,223	6,994,745	34,510	1,290,652	19,250	9,623,634	186,657	37
6,313	7,108	5,999	1,082	120	23	1,084	13,737	590	263	1,023	12,141	2,207	38
7,968	8,791	5,894	2,761	94	42	5,539	20,539	16	99	439	2,993	7,700	39
17,641	17,304	16,816	2,442	40	6	20,467	409,020	2,378	149,128	10,713	116,064	17,519	40
47	53	47	6	.....	.....	13	890	.....	80	140	.....	.....	41
15,377	17,398	10,618	6,475	110	198	7,094	47,867	183	625	795	6,244	28,333	42
541	634	264	367	6	7	757	4,082	.....	1	.....	.....	1,776	43
11,248	18,263	10,541	7,578	68	65	5,337	26,325	.....	4	112,918	11,400	44,533	44
60,865	168,946	69,847	69,206	1,534	2,659	30,235	298,336	5,901	457,846	11,497	120,479	20,552	45
1,189	2,286	842	1,409	1	4	45	12,122	10	.....	174	.....	113	46
1,148	1,348	551	695	9	23	655	115	35	16	45	1,141	1,104	47
1,436	1,475	820	623	13	21	19,533	5,139	.....	607	.....	.....</

CENSUS OF MANUFACTURES: 1916.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments reporting horsepower.	Primary power.								
		Aggregate horsepower.	Owned.						Internal-combustion engines.	
			Total horsepower.	Steam engines.		Steam turbines.		Number.	Horsepower.	
				Number.	Horsepower.	Number.	Horsepower.			
	39	40	41	42	43	44	45	46	47	
United States, all industries.....	297,855	29,575,242	20,132,066	116,157	12,829,744	6,472	2,266,225	23,406	1,209,294	
1 Airplanes, seaplanes, airships and parts.....	26	12,512	325	2	125	1	200			
2 Agriculture implements.....	497	126,246	80,407	208	51,107	31	18,633	166	4,022	
3 Aluminum manufactures.....	22	20,280	12,555	19	4,898	12	7,512	9	1,108	
4 Ammunition.....	29	29,122	21,242	89	6,980	21	12,170	11	2,241	
5 Artificial flowers.....	82	408	55	1	80			1	8	
6 Artificial limbs.....	180	657	229	1	26			8	71	
7 Artificial stone products.....	1,864	23,221	10,209	177	4,008	4	42	1,165	5,610	
8 Artists' materials.....	42	2,202	1,819	11	1,104	1	260	9	226	
9 Asbestos products, not including steam packing.....	44	9,637	4,212	27	2,255	4	1,820	2	47	
10 Automobile bodies and parts.....	2,271	266,919	84,812	276	32,920	26	2,780	179	12,086	
11 Automobiles.....	308	267,222	105,998	170	45,428	24	59,109	21	861	
12 Automobile repairing.....	14,826	82,691	19,466	112	1,714	7	40	2,932	17,571	
13 Awnings, tents, and sails.....	778	4,589	428	7	249			9	89	
14 Babbitt metal and solder.....	76	6,022	2,097	15	2,927			6	180	
15 Bags, other than paper.....	208	9,062	4,266	22	4,116	1	100	6	120	
16 Bags, paper.....	64	4,426	1,642	16	1,489			5	87	
17 Baking powders and yeast.....	69	20,071	14,200	88	10,289	16	4,010	6	85	
18 Baskets, and rattan and willow ware.....	161	6,219	4,710	96	4,157			12	123	
19 Bells.....	10	753	690	2	122			2	125	
20 Belting and hose, rubber.....	15	26,299	11,624	40	6,262	8	4,606	2	406	
21 Belting and hose, woven.....	40	5,228	1,872	15	1,082			2	25	
22 Belting, leather.....	129	7,020	4,529	27	2,927	2	480	10	87	
23 Billiard tables, bowling alleys, and accessories.....	40	5,222	217	2	205			2	12	
24 Blacking, stains, and dressings.....	125	2,490	1,681	25	1,809	2	90	6	62	
25 Bluing.....	24	422	20					2	20	
26 Bone, carbon, and lampblack.....	25	1,857	1,266	9	452			12	911	
27 Bookbinding and blank-book making.....	922	11,122	692	10	552			12	122	
28 Boot and shoe cut stock.....	222	9,002	1,810	25	1,765			5	42	
29 Boot and shoe findings.....	222	10,622	4,122	16	2,507	2	112	4	40	
30 Boots and shoes.....	1,291	120,622	60,196	254	46,622	17	10,612	26	908	
31 Boots and shoes, rubber.....	22	49,400	22,622	51	21,070	1	150			
32 Boxes, cigar.....	167	5,089	2,742	26	2,442			17	297	
33 Boxes, paper, and other not elsewhere specified.....	1,144	54,952	25,569	172	19,491	6	2,980	65	1,124	
34 Boxes, wooden packing, except cigar boxes.....	1,051	144,042	104,412	722	96,012	16	5,022	112	1,908	
35 Brass, bronze, and copper products.....	1,011	265,689	122,277	198	61,662	22	64,652	104	2,640	
36 Bread and other bakery products.....	17,151	165,990	40,046	226	21,219	26	2,021	899	5,274	
37 Brick and tile, terra-cotta and fire-clay products.....	2,216	405,762	269,211	2,727	277,674	42	4,241	499	17,456	
38 Brooms.....	796	6,022	2,490	29	1,467			170	967	
39 Brushes.....	230	7,244	2,290	22	2,691	1	2	29	445	
40 Butter.....	2,661	98,190	52,772	2,226	60,240	86	1,162	429	5,222	
41 Butter, reworking.....	4	242	126	2	114			1	12	
42 Buttons.....	412	16,201	7,689	64	5,972	1	200	71	1,047	
43 Candles.....	14	567	542	11	542					
44 Canning and preserving, fish.....	222	24,862	16,007	298	12,667	11	422	207	2,424	
45 Canning and preserving, fruits and vegetables.....	2,675	122,422	92,627	2,764	54,221	76	2,222	702	6,122	
46 Canning and preserving, oysters.....	47	1,026	992	46	826			10	122	
47 Card cutting and designing.....	66	742	112	1	60			8	52	
48 Cardboard.....	16	2,276	2,542	12	2,410			2	42	
49 Carpets and rugs, other than rag.....	66	26,170	21,069	77	22,622	16	5,222	2	85	
50 Carpets, rag.....	227	2,674	626	15	299			24	299	

CENSUS OF MANUFACTURES : 1910.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Primary power.								Electric motors.			
Owned.				Rented.				Total.		Run by current generated in establishment.	
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other horsepower.	Number.	Horsepower.	Number.	Horsepower.
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.					
48	49	50	51	52	53	54	55	56	57	58	59
13,244	1,768,848	817	22,168	3,463,186	998,000	9,847,866	94,600	1,483,039	16,317,323	457,089	9,989,637
				12,187	683	12,187		798	12,797	108	600
72	6,970	2	3	67,843	4,894	67,843		7,998	100,263	2,309	53,431
1	80			16,736	945	16,736		1,670	27,834	635	10,609
3	141			17,866	1,794	17,866		3,641	33,689	1,677	15,973
				413	268	413		268	413		
				618	221	618		221	618		
4	148			13,012	1,032	11,009	43	1,647	12,067	15	98
6	180	18	201	1,367	164	1,367		313	1,964	49	367
2	240			5,445	337	5,445		461	7,411	124	1,968
1	60			202,607	21,773	208,436	169	23,421	229,314	1,648	17,788
11	468	4	5								
				181,930	14,283	176,930	8,000	26,702	270,326	11,419	93,426
				63,226	10,537	63,057	168	19,684	63,878	147	518
17	110	11	23	4,181	2,631	4,123	18	2,635	4,196	14	63
				3,986	340	3,923	3	659	5,675	219	2,752
				4,716	1,012	4,710	6	1,690	5,164	648	3,454
1	78			2,787	907	2,787		1,172	3,411	265	634
				5,711	433	5,711		1,047	11,656	664	6,947
10	370			1,609	226	1,609		233	1,669	8	60
6	403			114	14	114		15	134	1	20
6	618			14,418	530	14,418		266	22,723	346	8,308
3	190			2,468	362	2,426	37	413	2,804	51	376
1	56			2,480	423	2,453	37	544	2,773	111	320
				5,065	553	4,944	61	556	4,989	3	25
				529	297	755	44	263	1,335	66	580
				393	76	393		81	405	5	12
				491	34	491		34	491		
				10,433	6,536	10,349	69	6,586	15,228		
1	2			7,198	843	6,638	358	914	7,159	71	631
4	400			6,900	1,267	5,848	712	1,323	6,501	78	1,053
13	2,011	1	10	60,436	11,698	55,090	4,746	16,379	68,792	4,261	28,102
11	2,463			26,718	1,757	25,718		2,172	26,520	418	3,602
				2,314	661	2,264	80	699	2,876	26	312
21	1,964			29,998	8,238	29,110	290	10,325	28,235	1,697	9,119
40	2,686			29,690	3,727	29,168	468	4,930	31,680	1,203	12,515
21	2,820			143,311	8,799	142,996	315	11,227	152,864	2,466	40,566
3	310	41	218	126,904	37,002	126,665	239	41,311	146,268	3,709	20,723
1	40			108,428	3,408	108,846	599	4,828	123,854	1,429	37,808
5	23	1	3	3,873	990	3,847	25	1,043	3,879	51	332
10	221			4,024	896	3,947	77	1,243	5,477	248	1,330
28	653	11	96	41,415	5,628	41,187	228	6,326	66,534	700	8,347
				217	9	217		9	217		
6	297			5,612	962	5,117	495	999	5,713	37	568
				52	10	52		42	226	23	174
				6,268	1,156	5,198	60	1,230	9,670	174	1,473
3	23	3	28	29,266	5,617	29,420	175	6,699	46,063	1,242	6,663
1	5			37	9	37		9	37		
				620	279	620		279	620		
4	190			721	101	698	26	310	1,968	209	1,173
11	2,207			7,161	668	6,694	677	2,043	24,526	2,357	18,012
				2,616	471	2,001	15	463	2,063	13	62

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments.	Capital.	Salary and wage payments.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
01 Carriage and wagon materials.....	218	917,071,206	96,072,315	6324,862	8408,826	8370,866	85,006,771
02 Carriages and sleds, children's.....	103	15,215,426	7,078,123	569,601	306,071	628,413	6,230,088
03 Carriages and wagons, including repairs.....	2,286	78,062,868	23,024,733	1,455,245	1,318,723	1,757,371	19,386,368
04 Cars and general shop construction and repairs by electric railroad company.	624	92,087,906	42,062,821	141,673	1,791,008	1,046,799	39,073,184
05 Cars and general shop construction and repairs by steam railroad company.	1,744	904,286,410	764,565,412	468,630	40,761,599	25,723,672	667,617,312
06 Cars, electric railroad, not including operation of railroad companies.	7	17,308,488	4,984,941	194,678	280,534	377,639	4,132,090
07 Cars, steam railroad, not including operation of railroad companies.	99	335,207,363	92,080,089	2,351,073	4,094,979	7,366,340	78,284,647
08 Cash registers and calculating machine.....	65	82,798,203	26,519,968	677,374	1,291,147	3,074,349	22,537,365
09 Cement.....	123	271,269,259	42,060,721	2,011,347	2,019,967	5,464,467	33,194,920
00 Charcoal, not including production in the lumber and wood distillation industries.	41	518,762	202,960	16,668	25,258	4,702	156,078
61 Cheese.....	3,530	26,022,724	5,856,084	182,842	256,082	680,119	4,806,991
62 Chemicals.....	598	464,488,412	97,186,966	5,374,026	7,172,101	11,794,507	72,648,324
63 Chewing gum.....	62	23,708,318	4,827,442	694,733	261,497	991,409	3,679,808
64 China decorating.....	43	470,183	325,826	31,700	7,106	42,820	244,211
65 Chocolate and cocoa products.....	48	61,674,727	13,308,633	1,274,484	654,274	2,109,724	9,270,077
66 Cleansing and polishing preparations.....	499	12,979,414	5,696,761	915,271	521,333	2,261,710	1,608,447
67 Clocks.....	46	18,240,943	9,856,985	384,242	521,663	1,092,609	7,861,611
68 Cloth, sponging and refinishing.....	67	1,466,956	2,177,024	430,733	53,956	107,674	1,564,661
69 Clothing, horse.....	28	3,704,741	869,709	101,612	68,346	148,463	531,278
70 Clothing, men's.....	5,256	554,147,279	259,164,990	14,630,553	11,769,439	34,943,008	197,821,990
71 Clothing, men's buttonholes.....	107	227,066	579,178	48,960	7,220	8,398	514,000
72 Clothing, women's.....	7,711	390,626,617	254,381,809	15,675,022	11,146,916	22,214,037	195,298,634
73 Coal-tar products.....	183	174,991,835	35,235,209	2,013,000	4,527,404	5,292,665	23,402,140
74 Coffee and spice, roasting and grinding.....	794	127,747,535	25,705,269	3,026,439	1,894,021	11,674,657	9,201,242
75 Coffins, burial cases, and undertakers' goods.....	351	48,298,053	17,262,168	1,636,374	1,060,665	3,156,269	11,480,657
76 Coke, not including gas-house coke.....	378	365,249,622	49,906,077	1,068,359	2,671,349	8,936,077	42,299,292
77 Collars and cuffs, men's.....	39	30,146,938	9,448,268	426,772	612,700	1,071,167	7,430,729
78 Combs and hairpins, excluding those made from metal or rubber.	45	3,913,266	2,267,780	202,278	139,130	166,919	1,809,463
79 Condensed milk.....	401	126,062,520	19,923,622	1,320,066	1,894,047	2,422,424	14,277,926
80 Confectionery and ice cream.....	6,624	317,043,922	115,966,966	12,026,637	7,585,709	20,183,783	76,156,896
81 Cooperage.....	1,099	48,863,808	17,006,401	1,363,189	884,395	675,543	14,062,224
82 Copper, tin, and sheet-iron work.....	4,799	89,944,824	44,876,321	4,570,415	2,736,763	3,702,321	33,866,823
83 Cordage and twine.....	120	100,248,967	18,718,869	1,384,620	1,269,013	1,341,668	14,700,061
84 Cordials and flavoring sirups.....	149	11,673,732	3,515,099	702,664	260,172	1,264,981	1,297,381
85 Cork, cutting.....	62	14,670,221	4,418,168	408,632	221,284	404,023	3,287,114
86 Corsets.....	188	152,516,496	20,222,409	1,763,741	1,319,928	4,066,498	13,062,342
87 Cotton goods.....	1,283	1,833,099,816	362,839,415	14,506,547	12,507,220	10,243,711	363,474,937
88 Cotton lace.....	44	22,260,216	8,110,998	402,829	574,717	1,046,901	6,086,557
89 Cotton small wares.....	164	29,559,474	9,527,280	1,215,884	663,860	693,268	7,162,289
90 Crucibles.....	22	8,069,394	1,447,662	308,412	101,368	114,590	923,287
91 Cutlery and edge tools.....	264	69,071,247	24,789,429	1,489,637	1,222,265	2,054,836	20,048,465
92 Dairymen's, poultrymen's, and apiarists' supplies.....	244	38,069,321	10,582,839	874,036	833,780	1,796,590	7,078,423
93 Dental goods.....	319	17,004,790	6,841,623	700,122	473,741	908,820	4,464,840
94 Drug grinding.....	31	14,991,138	2,329,779	364,898	79,896	261,850	1,526,127
95 Druggists' preparations.....	524	102,129,267	25,460,411	2,405,463	2,468,667	8,419,426	12,161,026
97 Dyeing and finishing textiles, except that done in textile mills.	628	229,048,486	73,441,538	5,945,194	4,620,416	5,695,947	57,169,978
98 Dyestuffs and extracts—natural.....	144	38,689,056	7,065,526	1,180,911	526,073	643,380	4,734,014
99 Electrical machinery, apparatus and supplies.....	1,404	857,665,469	336,269,291	13,324,476	22,696,135	62,247,828	238,168,432
100 Electroplating.....	615	4,192,989	4,636,961	322,418	226,216	184,623	3,784,006

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	Rent and taxes.				Cost of materials used.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
317,448	9082,004	674,003	9416,956	3144,136	614,734,673	614,437,114	3297,559	336,765,316	51
9,134	296,347	75,369	609,635	113,443	11,700,158	11,492,684	207,604	24,506,898	52
164,261	2,222,164	599,459	1,662,031	630,090	48,363,456	47,310,301	1,152,155	91,463,236	53
116,235	708,468	61,576	30,838	673,084	32,026,484	30,820,318	1,205,266	75,310,701	54
1,269,193	2,066,173	199,186	18,955	2,283,028	518,803,210	484,402,576	31,400,634	1,279,233,368	55
	446,989	10,879	340,107	77,002	12,066,942	11,061,416	377,526	18,441,978	56
36,054	20,239,241	136,044	26,876,130	1,306,086	226,064,545	249,908,930	6,180,615	538,222,631	57
26,646	4,662,116	100,968	4,253,443	409,304	10,899,998	10,537,407	362,591	23,530,026	58
266,204	6,190,267	2,366,468	2,626,509	1,166,340	79,809,800	48,436,204	31,070,596	175,264,910	59
4,467	12,636	1,443	7,496	3,647	260,322	197,349	62,973	569,418	60
62,867	467,674	129,213	72,230	306,441	139,426,265	127,988,010	1,437,255	112,455,704	61
1,321,726	22,628,180	866,741	26,226,749	2,662,640	216,301,379	183,558,969	32,742,310	438,658,899	62
2,027	3,969,996	103,609	3,781,808	114,264	26,202,312	24,997,639	204,763	31,340,188	63
4,613	31,461	20,481	8,188	2,796	310,766	300,463	30,302	866,769	64
1,468	6,637,510	271,685	5,221,314	264,911	101,754,466	100,347,206	1,407,260	129,268,266	65
20,459	809,421	260,264	456,626	93,119	12,023,618	12,794,667	126,961	26,708,109	66
31,324	946,878	49,223	780,173	145,372	7,177,812	6,963,991	214,822	22,280,190	67
	266,696	224,776	16,267	4,650	178,161	119,639	58,522	3,690,858	68
8,226	262,896	19,667	226,963	27,262	3,455,986	3,413,272	42,713	6,020,612	69
108,072,823	22,148,877	3,640,249	12,664,964	1,630,174	605,752,176	603,031,966	2,720,209	1,162,968,633	70
3,730	85,443	22,909	624	1,110	123,266	112,008	11,258	1,000,049	71
52,428,167	18,264,851	12,626,866	3,720,262	287,914	680,408,244	677,889,524	2,517,310	1,268,542,128	72
696,630	5,442,111	769,370	3,608,414	1,050,227	62,966,724	59,863,701	4,141,023	125,462,161	73
243,440	4,215,799	1,371,024	2,124,065	710,690	243,999,109	242,742,802	1,156,306	304,791,677	74
9,209	2,521,086	266,448	2,256,936	497,713	31,584,297	31,061,221	523,076	64,377,123	75
21,127	9,202,264	467,317	6,362,679	2,471,166	224,265,674	22,497,310	200,768,464	316,515,826	76
977,963	1,126,466	62,661	828,901	266,263	19,424,096	19,205,664	227,531	47,864,946	77
24,212	100,739	22,649	66,817	31,266	3,168,618	3,082,743	85,875	6,566,363	78
240,609	4,021,065	189,849	4,126,649	724,264	262,886,292	277,324,207	5,270,086	228,806,774	79
1,191,246	22,726,637	6,222,267	24,264,240	2,012,060	266,606,170	260,517,680	6,088,490	637,208,166	80
24,237	2,066,106	264,620	1,660,906	348,570	66,620,656	66,012,261	607,404	66,226,061	81
474,280	2,940,126	1,226,469	1,862,949	662,777	80,866,626	79,624,800	973,826	160,812,945	82
276,617	4,226,878	127,376	4,462,673	614,437	89,706,262	86,224,147	1,381,115	123,266,476	83
4,000	2,066,496	224,371	2,260,697	103,266	20,966,626	20,697,129	101,499	46,806,718	84
22,226	572,667	126,942	374,410	66,378	9,124,960	8,724,266	400,694	16,222,229	85
164,867	2,462,197	541,264	1,662,614	266,219	26,615,803	26,656,179	209,624	75,541,009	86
2,066,742	120,266,126	1,047,469	102,997,745	15,662,662	1,277,726,667	1,240,462,766	37,221,629	2,126,272,193	87
266,661	1,266,876	26,726	1,126,119	142,473	12,676,904	12,676,005	269,669	29,266,663	88
211,026	1,666,666	184,267	1,156,663	210,448	24,066,661	23,466,346	541,008	40,666,663	89
9,666	261,126	26,079	167,922	67,161	2,222,072	2,066,910	126,162	5,266,666	90
12,970	5,144,171	162,649	4,262,611	666,911	19,477,437	18,218,663	1,258,774	66,629,670	91
16,169	1,616,661	62,226	724,666	208,769	18,626,743	18,126,777	360,966	37,667,466	92
22,621	1,222,267	260,029	1,061,772	71,616	16,626,629	16,262,077	167,552	29,461,266	93
111,641	946,661	18,469	616,794	72,666	11,566,469	11,222,377	223,109	16,667,666	94
76,916	4,796,669	469,612	4,224,669	662,667	66,126,476	64,461,977	688,499	114,662,469	95
1,261,666	14,716,266	266,676	10,416,666	2,462,624	174,742,616	164,214,621	10,426,264	222,667,662	97
266,666	2,661,666	64,664	2,166,261	221,166	24,666,666	23,916,972	1,676,726	52,744,262	98
1,216,266	46,267,127	2,266,266	26,666,616	2,212,676	426,666,211	411,266,161	12,726,116	667,666,119	99
67,666	666,666	666,666	6,666	66,666	2,666,666	2,376,666	266,666	16,266,667	100

CENSUS OF MANUFACTURES: 1919

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Proprietors and firm members.		Number of salaried employees.						
			Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18		19	20	21	22	23	24	25
51 Carriage and wagon materials.....	206	7	708	188	2	209	.....	195	130
52 Carriages and sleds, children's.....	62	3	762	94	7	158	3	262	218
53 Carriages and wagons, including repairs.....	2,566	70	2,440	272	18	688	7	894	811
54 Cars and general shop construction and repairs by electric railroad company.	1	.....	1,847	65	.....	801	.....	721	380
55 Cars and general shop construction and repairs by steam railroad company.	2	.....	31,840	126	.....	18,212	26	12,057	4,209
56 Cars, electric railroad, not including operation of railroad companies.	1	.....	265	16	.....	96	1	184	98
57 Cars, steam railroad, not including operation of railroad companies.	2	.....	6,489	214	4	1,682	51	3,522	1,045
58 Cash registers and calculating machines.....	26	.....	2,288	87	2	448	2	1,056	798
59 Cement.....	9	.....	4,714	271	4	572	2	2,811	1,068
60 Charcoal, not including production in the lumber and wood dist. ind.	20	.....	24	5	.....	19	.....	5	5
61 Cheese.....	2,267	28	506	186	4	167	1	189	92
62 Chemicals.....	111	11	11,209	654	19	2,121	51	5,490	2,674
63 Chewing gum.....	28	.....	848	77	2	98	8	279	268
64 China decorating.....	22	12	22	4	1	2	.....	12	12
65 Chocolate and cocoa products.....	21	.....	1,122	110	2	122	12	611	298
66 Cleansing and polishing preparations.....	229	27	1,922	212	14	202	12	624	572
67 Clocks.....	9	2	997	69	2	187	1	422	215
68 Cloth, sponging and refinishing.....	52	2	198	74	1	20	1	44	22
69 Clothing, horse.....	22	2	166	20	1	20	.....	22	22
70 Clothing, men's.....	6,626	124	27,472	1,761	71	2,209	272	12,220	2,266
71 Clothing, men's buttonhole.....	120	1	20	2	2	2	.....	2	2
72 Clothing, women's.....	9,674	462	26,226	2,992	208	2,206	1,198	11,062	7,566
73 Coal-tar products.....	22	2	5,854	220	5	1,509	14	2,921	1,165
74 Coffee and spice, roasting and grinding.....	520	26	9,091	554	15	716	12	2,966	1,798
75 Coffins, burial cases, and undertakers' goods.....	212	12	2,421	262	18	421	26	1,226	228
76 Coke, not including gas-house coke.....	40	1	2,622	161	4	579	.....	2,062	410
77 Collars and cuffs, men's.....	87	.....	1,422	56	2	196	20	516	569
78 Combs and hairpins, excluding those made from metal or rubber.	26	2	208	26	2	49	2	42	70
79 Condensed milk.....	45	1	2,212	204	5	772	2	980	295
80 Confectionery and ice cream.....	6,695	226	19,229	2,127	128	2,899	226	7,266	6,096
81 Cooperage.....	909	22	1,209	201	19	228	4	272	229
82 Copper, tin, and sheet-iron work.....	4,961	96	5,892	1,270	26	1,209	7	1,249	1,442
83 Cordage and twine.....	27	2	1,521	197	7	426	10	575	226
84 Cordials and flavoring sirups.....	69	7	1,114	127	8	111	1	616	228
85 Cork, cutting.....	22	2	426	62	5	104	.....	169	126
86 Corsets.....	61	27	2,222	172	10	220	122	667	1,222
87 Cotton goods.....	219	20	14,212	2,422	21	4,222	22	4,221	2,022
88 Cotton lace.....	8	.....	668	61	1	120	12	222	179
89 Cotton small wares.....	94	5	799	172	6	179	10	120	221
90 Crucibles.....	2	.....	122	47	.....	21	.....	66	41
91 Cutlery and edge tools.....	192	11	2,497	210	14	450	46	972	704
92 Dairymen's, poultrymen's, and sparists' supplies.....	122	11	2,012	179	5	249	6	227	227
93 Dental goods.....	206	10	1,229	114	9	160	16	461	469
94 Drug grinding.....	16	.....	298	42	1	51	.....	126	72
95 Druggists' preparations.....	261	22	6,712	408	22	571	61	2,022	2,212
97 Dyeing and finishing textiles, except that done in textile mills.	252	10	6,240	710	47	1,221	27	2,472	1,022
98 Dyestuffs and extracts—natural.....	55	4	204	127	5	216	1	274	171
99 Electrical machinery, apparatus and supplies.....	461	12	29,062	1,222	57	2,227	222	29,222	19,121
100 Electroplating.....	572	17	412	122	10	22	1	79	117

CENSUS OF MANUFACTURES : 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	Number of wage earners Dec. 15, or nearest representative day.					Fuel used.							
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural 1,000 cubic feet.	Manufactured (1,000 cubic feet).	
6,809	7,187	6,698	347	38	.....	2,298	42,100	3,640	17,482	609	11,478	7,031	81
6,686	7,284	6,779	1,077	899	79	1,102	17,920	88	1,880	798	12,338	10,430	82
16,179	14,968	18,021	378	82	9	0,328	138,098	5,386	14,738	11,051	116,717	10,626	83
31,373	32,168	31,080	438	10	.....	18,430	80,963	1,664	22,250	2,132	10,420	18,919	84
484,487	510,384	505,368	3,873	44	.....	609,078	6,664,403	260,900	3,064,798	60,164	2,185,680	344,814	85
2,020	2,709	2,641	66	3	.....	199	46,628	2,088	16,349	16	3,698	868	86
63,398	50,969	50,549	439	21	.....	65,844	619,968	72,638	469,007	6,462	1,007,508	100,787	87
16,844	18,841	18,767	2,734	30	20	2,408	89,399	2,409	2,178	1,073	90,230	66,308	88
26,824	26,806	26,508	302	28	3	272,200	6,081,428	89,840	1,869,664	1,778	4,870,699	.....	89
209	284	261	3	.....	.....	.....	784	.....	865	36	.....	.....	90
3,997	4,728	4,828	174	26	.....	26,169	149,167	944	22,098	4,994	8,267	2,164	91
58,686	58,787	58,798	4,788	89	89	339,306	2,844,667	487,289	789,847	16,427	1,731,864	115,434	92
2,180	3,117	1,130	1,949	7	81	1,438	18,176	.....	160	167	2,629	3,698	93
344	266	130	180	.....	5	158	739	2	614	198	600	13,774	94
9,088	9,318	6,636	2,383	26	46	28,262	100,744	1,906	32,187	1,344	6,370	23,651	95
1,965	2,314	1,412	782	13	7	3,441	8,028	2,991	982	96	10,309	4,312	96
8,228	8,008	5,976	2,677	178	138	4,673	26,416	181	.....	292	826	17,914	97
1,305	1,371	1,347	24	.....	.....	1,344	1,936	2	.....	.....	290	8,901	98
798	907	411	482	4	10	149	6,613	16	.....	217	642	1	99
178,370	208,684	96,719	110,726	634	1,481	23,611	90,613	1,878	4,664	1,920	119,628	729,139	70
484	622	298	224	4	1	94	66	.....	1	16	818	546	71
166,646	163,616	60,622	121,967	176	1,131	12,700	26,984	8,662	2,906	281	66,709	289,836	72
18,663	18,689	17,991	548	16	14	62,882	721,962	16,866	162,029	1,647	73,866	74,149	73
10,540	11,066	6,137	4,786	65	66	16,034	33,197	3,671	3,267	814	129,455	260,018	74
11,880	11,661	9,306	2,089	48	21	6,178	89,504	1,100	968	312	14,968	31,723	75
29,319	30,767	30,404	8	448	.....	8,898	64,248,639	560,508	15,311	92,683	644,826	13,654	76
11,108	11,767	2,773	9,081	6	5	6,688	22,464	100	.....	1	.....	14,058	77
2,239	2,411	1,463	774	96	88	929	5,822	28	.....	10	1,468	840	78
13,678	13,182	11,439	1,748	28	5	27,176	681,083	3,186	147,971	9,326	88,303	1,217	79
96,648	104,181	48,468	48,646	1,006	2,677	126,806	648,614	9,996	78,268	16,268	987,126	896,368	80
18,219	14,891	14,143	267	26	6	2,315	60,081	4,767	6,808	761	26,701	20,144	81
27,640	31,089	30,184	711	188	6	9,388	40,329	5,222	2,128	5,016	131,787	81,238	82
17,622	18,899	10,907	7,604	261	227	43,822	118,441	17,408	19,663	80	64,126	1,280	83
1,398	1,863	1,168	481	.....	.....	2,008	13,264	513	1	33	965	5,152	84
2,648	2,611	2,220	1,369	30	62	8,649	66,134	3,427	2,078	.....	100	664,716	85
18,418	21,166	2,264	17,194	117	640	2,298	18,436	224	28	.....	312	2,629	86
430,966	486,848	224,380	188,810	10,728	10,980	222,968	3,610,372	23,164	466,798	2,684	64,260	14,266	87
6,490	7,441	3,374	3,806	244	218	26,021	26,646	.....	7,961	.....	.....	23	88
9,995	10,068	3,898	5,988	158	238	9,906	24,290	302	89,871	100	.....	78,424	89
848	871	849	22	.....	.....	2,769	14,709	.....	2,479	.....	44,488	.....	90
19,689	22,080	17,680	4,171	261	78	18,238	61,182	2,104	98,601	2,244	648,634	43,607	91
6,427	7,282	6,481	766	28	7	3,496	36,692	1,222	4,716	925	10,868	38,869	92
5,234	5,496	2,893	2,899	170	299	1,206	2,068	230	9,684	4,266	3,177	26,236	93
1,947	1,680	1,220	296	4	10	88,181	11,161	89	.....	45	676	12	94
18,668	18,677	7,667	7,061	101	126	16,498	78,976	26	171	414	18,089	28,311	95
54,666	62,462	47,122	14,098	708	624	442,665	1,071,126	12,694	268,328	6,980	120	816,088	97
4,242	4,468	4,674	77	9	5	18,686	289,092	2,226	2,706	91	146,294	2,514	98
212,374	246,294	189,168	62,630	1,857	696	178,800	1,091,704	61,617	478,222	22,226	1,120,631	1,982,751	99
2,684	2,461	2,212	128	98	6	1,998	2,624	166	271	522	17,944	26,846	100

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments reporting horsepower.	Primary power.							
		Aggregate horsepower.	Owned.						
			Total horsepower.	Steam engines.		Steam turbines.		Internal-combustion engines.	
				Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.
39	40	41	42	43	44	45	46	47	
51 Carriage and wagon materials.....	290	29,700	18,711	180	17,863	3	136	34	689
52 Carriages and sleds, children's.....	75	6,071	2,945	19	3,365	2	86	7	119
53 Carriages and wagons, including repairs.....	1,988	60,998	26,378	170	17,919	5	3,169	587	6,364
54 Cars and general shop construction and repairs by electric railroad company.	500	59,890	6,439	45	5,673			11	564
55 Cars and general shop construction and repairs by steam railroad company.	1,470	264,518	389,440	2,366	326,736	133	49,874	197	6,987
56 Cars, electric railroad, not including operation of railroad companies.	6	9,380	1,000	7	1,900				
57 Cars, steam railroad, not including operation of railroad companies.	92	187,968	94,009	361	55,619	26	36,496	17	2,948
58 Cash registers and calculating machine.....	61	14,660	11,530	21	9,015	2	2,200	1	15
59 Cement.....	117	489,808	306,323	416	198,368	61	79,656	63	24,763
60 Charcoal, not including production in the lumber and wood dist. ind.	7	133	34					3	34
61 Cheese.....	2,508	24,309	22,631	1,766	17,780	188	1,749	747	3,009
62 Chemicals.....	486	376,940	360,445	1,136	137,164	219	114,696	128	5,004
63 Chewing gum.....	87	6,178	2,669	15	3,289	1	80	1	19
64 China decorating.....	13	43							
65 Chocolate and cocoa products.....	46	33,440	17,366	83	15,373			8	1,788
66 Cleansing and polishing preparations.....	343	4,680	1,373	22	1,176			26	197
67 Cloaks.....	39	6,063	4,237	18	2,760	1	189	2	69
68 Cloth, sponging and refinishing.....	89	963	432	8	413			2	30
69 Clothing, horse.....	26	1,677	1,217	9	1,198			1	29
70 Clothing, men's.....	4,640	40,877	8,788	114	8,369	2	133	126	1,068
71 Clothing, men's buttonholes.....	101	189	13	2	13				
72 Clothing, women's.....	7,414	22,622	2,827	26	2,263			43	529
73 Coal-tar products.....	169	68,343	60,963	334	24,310	39	10,238	14	265
74 Coffee and spice, roasting and grinding.....	776	29,780	5,656	61	4,086	2	500	27	961
75 Coffins, burial cases, and undertakers' goods.....	804	22,345	13,311	104	10,912			26	660
76 Coke, not including gas-house coals.....	186	234,979	180,328	786	75,266	166	73,222	6	1,800
77 Collars and cuffs, men's.....	36	5,293	4,016	18	1,896	4	2,020	1	26
78 Combs and hairpins, excluding those made from metal or rubber.	41	1,600	199	18	977			1	60
79 Condensed milk.....	368	19,181	36,671	696	26,206	30	2,083	26	773
80 Confectionery and ice cream.....	5,487	178,961	64,711	736	51,260	22	1,513	543	11,800
81 Cooperage.....	407	30,668	24,126	233	22,778	6	316	47	617
82 Copper, tin, and sheet-iron work.....	1,688	24,144	4,982	33	3,023	1	4	265	2,946
83 Cordage and twine.....	117	68,643	48,709	109	36,563	12	4,268	10	645
84 Cordials and flavoring syrups.....	92	3,177	2,073	16	2,069			1	2
85 Cork, cutting.....	68	8,663	2,124	26	2,069				
86 Corsets.....	176	7,186	4,308	20	4,176			13	107
87 Cotton goods.....	1,378	1,840,301	1,339,989	1,407	756,073	215	217,078	20	2,639
88 Cotton lace.....	44	9,078	6,960	64	6,433	2	268	4	77
89 Cotton small wares.....	100	14,363	7,816	37	5,907			7	126
90 Crucibles.....	22	2,714	853	14	663				
91 Cutlery and edge tools.....	366	28,958	22,297	10	12,492	5	614	48	1,906
92 Dairymen's, poultrymen's, and apalarists' supplies.....	308	11,756	6,878	41	4,160	9	1,879	40	487
93 Dental goods.....	293	3,716	1,109	9	828			8	296
94 Drug grinding.....	31	6,726	5,507	43	2,946	9	2,500	3	50
95 Druggists' preparations.....	311	12,696	4,406	26	7,721	1	509	27	173
97 Dyeing and finishing textiles, except that done in textile mills.	580	160,430	153,964	1,063	26,860	79	32,296	26	2,124
98 Dyestuffs and extracts—natural.....	117	24,320	31,603	222	28,316	24	2,973	9	201
99 Electrical machinery, apparatus and supplies.....	1,345	428,639	298,477	274	63,000	51	121,521	108	7,446
100 Electroplating.....	484	7,078	768	6	169			24	601

CENSUS OF MANUFACTURES : 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Primary power.								Electric motors.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.	Number.	Horsepower.	Number.	Horsepower.	
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.						
48	49	50	51	52	53	54	55	56	57	58	59	
11	545			4,900	661	4,961	23	688	7,845	165	3,884	51
9	605			3,126	429	3,126		458	3,300	20	174	52
25	863	2	13	15,486	3,763	15,086	650	4,469	24,906	737	9,868	53
				47,861	3,521	47,866	—25	3,711	50,016	190	3,680	54
5	308	6	448	211,075	11,696	207,680	3,445	30,165	500,141	18,549	292,511	55
				7,490	568	7,490		692	9,020	124	1,530	56
1	100			62,902	3,462	62,827	75	10,157	170,485	6,065	107,656	57
2	260			3,120	486	3,115	5	1,753	17,523	1,267	14,406	58
6	3,580			162,486	4,126	162,486		8,500	345,535	4,362	163,049	59
				98	8	98		8	98			60
7	98	4	19	1,579	322	1,790	99	364	1,982	32	142	61
27	3,988	4	24	126,495	10,492	126,419	76	17,452	235,973	6,960	109,554	62
				3,579	585	3,673	6	522	5,128	297	1,622	63
				43	26	43		26	43			64
14	300			16,264	1,171	16,058	26	2,220	24,552	1,069	8,494	65
				3,147	456	3,127	10	301	3,365	45	228	66
6	255			2,725	344	2,725		1,220	4,912	876	2,187	67
				820	248	496	28	260	520	12	25	68
				300	90	300		204	1,235	114	873	69
5	221	16	37	20,789	13,160	30,410	379	15,918	33,120	785	3,710	70
				177	238	164	13	236	166		2	71
3	75			39,735	22,710	39,524	201	22,761	29,937	51	403	72
				27,879	2,162	27,876	3	5,007	53,668	3,245	26,317	73
4	109			24,084	4,401	24,050	44	5,145	28,079	744	4,029	74
10	739			10,064	1,639	9,679	155	2,094	12,872	485	3,992	75
				74,551	1,950	74,551		8,919	209,163	3,999	134,612	76
1	75			1,370	223	1,280	10	784	2,840	511	2,580	77
4	108			681	128	619	12	128	619			78
9	526	4	160	10,596	1,490	10,502	3	3,965	22,098	2,495	11,694	79
2	8	17	142	115,378	19,787	115,099	299	22,429	128,844	3,642	22,375	80
19	410	2	3	6,573	692	6,563	10	823	10,212	141	3,750	81
2	29	3	2	19,162	2,995	19,162	14	3,910	21,409	314	3,291	82
25	4,219			20,984	1,062	20,847	87	1,425	31,058	373	10,206	83
		2	2	1,104	370	1,104		409	1,901	199	497	84
1	25			6,559	670	6,422	127	820	7,545	210	1,112	85
1	10			2,863	967	2,663	200	1,509	5,122	442	2,469	86
1,200	305,204			519,212	25,182	515,209	3,903	61,455	681,609	22,202	246,200	87
4	173			2,118	640	2,118		1,266	4,724	616	2,616	88
23	1,723			6,447	1,151	6,299	178	1,520	7,781	399	1,512	89
				1,852	129	1,852		142	2,057	14	196	90
69	6,294	1	2	16,091	2,115	16,256	403	2,512	24,055	973	7,827	91
4	42	1	10	5,175	301	5,175		1,710	10,615	909	5,427	92
				1,097	1,234	1,099	3	1,922	2,070	99	471	93
1	12			1,218	64	1,216	2	172	1,542	109	226	94
		2	2	4,282	1,229	4,264	26	2,724	3,422	1,495	4,166	95
79	12,803	1	25	26,685	3,205	26,998	572	9,084	65,829	5,556	69,896	97
3	112			2,717	294	2,602	26	529	3,241	245	2,646	98
16	1,796	1	5	226,262	42,082	226,095	757	29,495	479,266	28,472	242,791	99
1	15			6,210	1,098	6,028	290	1,979	6,045	9	25	100

CENSUS OF MANUFACTURES: 1910.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments.	Capital.	Salary and wage payments.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
101 Emery and other abrasive wheels.....	60	\$34,802,542	\$8,266,218	\$522,690	\$974,401	\$1,190,379	\$5,878,748
102 Enameling.....	74	2,083,474	1,030,310	107,188	48,207	84,807	790,308
103 Engine, steam, gas, and water.....	370	454,124,733	139,347,494	4,511,355	8,394,120	18,016,564	105,435,455
104 Engravers' materials.....	21	826,166	378,350	94,268	26,957	44,954	212,171
105 Engraving and diesinking.....	478	4,095,712	2,883,455	196,352	75,212	220,387	2,391,504
106 Engraving, steel and copper plate, including plate printing.	421	19,040,260	10,757,426	1,018,945	745,051	1,120,321	7,908,109
107 Engraving, wood.....	55	333,908	559,377	50,738	21,967	70,467	407,215
108 Envelopes.....	106	24,751,818	9,448,300	841,283	614,392	1,342,621	6,649,989
109 Explosives.....	118	138,124,684	26,749,210	1,225,745	5,090,440	6,958,036	12,504,966
110 Fancy articles, not elsewhere specified.....	661	32,824,988	17,830,106	1,840,345	965,943	2,815,905	12,207,913
111 Feathers and plumes.....	216	6,514,809	4,429,729	195,299	215,359	613,309	3,406,765
112 Felt goods.....	49	35,024,373	9,970,832	778,875	356,668	958,781	4,873,490
113 Ferroalloys.....	30	42,364,729	4,792,601	418,578	313,508	499,030	3,571,487
114 Fertilizers.....	600	311,633,259	36,931,723	2,759,432	3,111,506	5,700,622	25,363,132
115 Files.....	50	15,692,801	7,145,557	297,839	319,642	335,632	6,192,444
116 Firearms.....	26	51,917,782	15,427,678	314,394	511,632	1,228,157	13,333,496
117 Fire extinguishers, chemical.....	32	3,779,785	1,396,730	175,669	196,663	271,259	751,119
118 Fireworks.....	57	5,546,943	1,320,125	180,239	75,633	99,402	994,651
119 Flags and banners.....	79	3,436,494	1,276,202	164,965	79,200	239,795	795,242
120 Flavoring extracts.....	453	13,561,337	4,678,451	962,341	390,054	1,760,871	1,665,285
121 Flax and hemp, dresses.....	20	2,783,958	534,964	28,168	32,533	26,590	447,373
122 Flour mill and gristmill products.....	10,708	801,624,507	82,901,413	9,320,964	7,982,797	14,909,359	50,836,353
123 Food preparations, not elsewhere specified.....	1,997	245,282,667	51,422,803	5,715,210	3,839,902	12,475,482	29,392,209
124 Foundry and machine shop products.....	10,934	2,104,980,938	804,346,457	56,978,683	46,502,983	78,995,712	622,571,129
125 Foundry supplies.....	76	7,501,631	1,919,581	379,428	178,844	338,250	1,022,030
126 Fuel manufactured.....	11	2,908,130	355,655	24,104	34,340	75,798	221,645
127 Fur goods.....	1,815	80,700,926	22,142,856	2,157,113	1,212,580	4,623,453	24,149,212
128 Furnishing goods, men's.....	487	53,014,066	21,678,174	1,265,716	1,102,402	5,067,190	18,533,895
129 Furniture.....	3,134	423,992,406	184,617,254	14,467,990	10,115,408	15,919,545	141,116,316
130 Furs, dressed.....	141	8,867,408	8,602,627	818,248	335,022	351,371	7,086,286
131 Galvanizing and other coating processes, n. e. s.....	52	4,316,455	2,649,794	230,216	202,291	199,334	2,247,953
132 Gas and electric fixtures.....	341	36,872,737	14,291,686	1,486,824	901,924	2,100,538	9,802,380
133 Gas.....	1,022	1,466,656,265	77,831,081	2,595,478	5,703,944	16,873,031	52,758,628
134 Gas machines and gas and water meters.....	105	24,980,993	8,752,220	687,354	608,243	1,465,751	5,995,877
135 Glass.....	371	215,680,436	100,891,194	4,156,787	4,391,004	4,516,778	87,526,626
136 Glass, cutting, staining, and ornamenting.....	616	18,068,660	8,292,940	801,189	442,503	894,221	6,154,831
137 Gloves and mittens, leather.....	355	29,870,277	11,248,830	958,594	781,838	1,367,614	8,180,784
137x Gloves and mittens, cloth, not including gloves made in textile mills.	182	17,687,963	6,092,322	489,412	326,199	321,466	4,655,246
138 Glucose and starch.....	56	58,182,682	14,174,845	442,026	965,221	875,115	11,962,483
139 Glue, not elsewhere specified.....	62	27,227,123	6,155,360	379,798	395,830	632,508	4,776,794
140 Gold and silver, leaf and foil.....	87	1,571,587	1,188,192	96,151	50,670	58,871	963,600
141 Gold and silver, reducing and refining, not from the ore..	87	9,757,418	1,451,201	212,686	160,171	264,536	843,508
142 Graphite, ground and refined.....	24	4,302,788	711,584	58,554	73,721	144,992	434,317
143 Grease and tallow.....	482	37,360,094	9,969,462	680,324	616,726	708,014	7,954,378
144 Grindstones.....	23	2,045,469	708,741	65,354	19,795	22,961	598,631
145 Haircloth.....	18	2,999,150	569,059	57,159	42,487	44,264	425,149
146 Hair work.....	136	3,589,546	1,548,946	184,870	76,653	229,763	1,064,630
147 Hammocks.....	6	153,466	52,969	4,800	2,640	5,323	40,241
148 Hand stamps.....	298	4,249,546	3,042,194	477,151	214,822	517,630	1,532,581
149 Hardware.....	548	183,925,619	57,469,282	3,738,073	2,672,349	5,823,908	45,229,960
150 Hardware, saddlery.....	37	10,991,945	4,925,537	321,469	171,820	239,249	4,043,799

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	Rent and taxes.				Cost of materials used.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
83,628	81,388,231	838,827	\$1,187,938	\$191,566	\$12,228,187	\$11,207,045	8931,142	\$30,949,370	101
807	85,719	47,598	28,309	9,844	949,556	808,633	140,922	2,644,783	102
908,599	21,860,073	277,061	18,646,530	2,675,492	217,550,771	211,558,910	5,993,861	464,774,725	103
86	30,623	22,287	8,362	5,304	1,484,269	1,456,279	27,990	2,248,124	104
88,908	353,429	263,268	69,896	20,277	1,927,823	1,813,422	113,901	7,380,602	105
188,218	865,642	423,647	308,184	188,741	6,980,747	6,777,506	203,242	24,209,154	106
4,685	32,094	31,424	313	957	219,268	214,645	4,623	1,353,618	107
44,960	1,482,414	657,116	651,628	178,670	21,964,743	21,721,660	243,083	39,661,077	108
30,542	2,787,978	15,714	2,026,447	696,814	45,911,049	43,194,699	2,716,350	92,474,813	109
1,089,381	1,788,172	899,626	778,747	172,989	32,591,073	32,164,379	426,694	64,064,481	110
153,345	968,778	333,093	20,981	14,989	6,694,596	6,658,588	36,008	15,377,933	111
9,009	1,686,453	42,110	1,375,664	238,699	22,780,775	22,155,136	625,639	39,229,540	112
47,388	886,429	13,377	748,488	127,564	28,098,876	22,099,508	6,099,068	38,583,984	113
171,318	8,478,314	245,862	6,618,129	1,510,003	188,040,522	181,599,677	3,440,845	281,143,587	114
3,820	3,606,698	37,900	3,472,128	95,658	4,227,880	3,679,006	548,875	17,616,563	115
	1,388,410	17,896	919,680	459,834	7,812,784	6,787,191	825,593	30,181,370	116
13,524	326,489	77,635	189,341	59,113	2,682,416	2,652,765	40,651	5,893,189	117
77,888	108,689	18,563	77,583	17,553	2,108,186	2,061,461	46,725	4,629,984	118
206,463	183,432	85,965	79,169	18,269	3,289,165	3,259,463	29,702	5,346,069	119
18,085	909,023	329,811	498,674	85,838	19,418,176	19,290,698	127,478	30,116,932	120
1,146	19,081	1,406	4,420	13,256	1,708,670	1,652,674	55,996	2,369,114	121
942,256	19,263,367	1,063,972	12,557,563	8,041,902	1,799,189,987	1,783,901,111	15,279,876	2,052,434,385	122
234,308	12,857,980	1,566,402	9,089,314	1,598,844	494,597,157	490,083,653	5,513,504	631,698,150	123
6,721,830	102,120,654	7,333,007	89,455,341	14,331,706	948,099,381	909,708,679	48,390,702	2,289,389,859	124
24,714	372,730	29,786	288,886	54,069	5,667,286	5,477,047	190,239	9,954,676	125
12	87,399	6,968	64,028	16,408	1,386,394	1,296,171	90,223	1,973,877	126
1,418,281	5,217,092	2,520,857	2,318,964	389,271	106,896,608	106,322,780	573,828	173,137,799	127
1,784,490	2,246,865	824,268	1,277,699	143,907	64,743,912	64,492,998	250,914	107,834,695	128
1,868,273	17,672,346	3,274,784	11,298,784	3,101,858	261,638,396	268,172,887	6,465,508	571,386,338	129
117,086	428,144	213,730	189,186	34,228	6,338,935	6,046,143	292,792	20,384,899	130
9,180	206,107	48,067	121,361	35,689	10,532,288	10,327,925	204,363	14,476,882	131
65,222	1,207,248	661,644	343,318	202,286	20,268,533	19,749,412	519,121	42,267,963	132
463,280	22,899,015	4,062,677	3,626,872	15,199,466	157,559,892	152,638,806	4,921,086	329,278,908	133
52,078	623,433	75,544	401,006	146,884	10,647,402	10,362,091	285,311	26,267,074	134
240,780	10,008,006	148,826	8,841,431	1,812,748	99,789,134	98,422,262	24,366,872	261,884,080	135
99,878	905,972	415,637	412,049	78,386	14,357,878	14,061,099	296,779	25,443,321	136
1,559,224	1,004,236	191,032	686,294	146,110	26,289,129	26,102,812	186,317	46,940,511	137
96,294	1,146,635	162,810	877,329	99,796	16,062,462	15,989,368	73,094	38,220,113	137
551	4,084,334	12,867	3,779,142	242,315	120,326,948	126,636,598	3,702,280	186,268,280	138
20,078	761,154	48,288	547,189	165,742	19,279,908	17,682,097	1,647,808	82,134,067	139
48,507	41,792	19,228	11,260	11,319	2,658,335	2,630,794	27,541	4,461,568	140
72,080	415,376	55,789	309,389	50,207	49,736,978	49,540,636	196,342	55,483,215	141
49,686	99,892	5,109	82,420	48,263	1,092,694	946,449	146,245	2,239,587	142
58,090	1,691,661	177,077	1,122,948	291,666	47,756,341	45,645,421	2,210,920	67,265,206	143
	47,042	3,469	28,471	18,102	242,959	189,465	53,494	1,969,423	144
11,781	56,004	52,663	12,177	11,144	2,389,142	2,217,552	171,590	3,315,113	145
114,126	191,906	172,210	13,106	6,390	3,829,197	3,812,754	16,443	6,983,083	146
	5,828	3,206	1,309	906	169,492	162,220	7,272	265,755	147
44,648	428,614	230,408	199,792	37,414	2,694,436	2,563,068	131,368	7,728,773	148
931,217	6,573,094	497,437	5,082,655	1,012,942	58,538,769	55,368,774	3,169,995	154,834,989	149
	1,799,070	5,068	1,445,824	346,188	4,281,569	3,961,508	320,061	14,136,536	150

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued

Industry.	Proprietors and firm members.		Number of salaried employees.						
			Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18	19	20	21	22	23	24	25
101 Emery and other abrasive wheels.....	19	1	1,300	76	8	216	4	598	410
102 Enameling.....	70		110	20		19	1	40	36
103 Engines, steam, gas, and water.....	86	7	18,578	561	6	3,167	26	10,683	4,191
104 Engravers' materials.....	11		67	13		13	1	19	23
105 Engraving and dieinking.....	531	2	245	43	3	26		91	80
106 Engraving, steel and copper plate, including plate printing.	358	12	1,365	201	12	238	26	431	487
107 Engraving, wood.....	62		90	12	1	9		52	16
108 Envelopes.....	32	1	1,331	126	10	196	17	463	507
109 Explosives.....	14	14	6,152	126	5	1,381	9	2,908	1,726
110 Fancy articles, not elsewhere specified.....	547	50	2,573	326	44	337	61	963	851
111 Feathers and plumes.....	214	26	481	56	8	65	24	203	138
112 Felt goods.....	8		690	83	6	110		342	350
113 Ferroalloys.....	8		298	49		110		175	64
114 Fertilizers.....	208	10	6,007	562	31	1,265	6	3,318	775
115 Files.....	24		552	86	1	92		188	207
116 Firearms.....	8	1	1,238	26		156	1	577	406
117 Fire extinguishers, chemical.....	17	2	332	26	2	75	13	124	63
118 Fireworks.....	26		148	26	5	40	1	39	27
119 Flags and banners.....	54	6	220	35	3	24	3	68	77
120 Flavoring extracts.....	237	19	1,639	256	13	143	7	686	322
121 Flax and hemp, dressed.....	25	1	45	9		15		14	7
122 Flour mill and gristmill products.....	11,466	471	18,351	2,445	76	3,549	37	8,594	3,369
123 Food preparations, not elsewhere specified.....	1,619	99	11,865	1,629	45	1,340	46	6,673	2,725
124 Foundry and machine-shop products.....	7,376	286	86,679	9,711	387	17,608	267	36,273	20,688
125 Foundry supplies.....	23		402	90	3	73	2	141	92
126 Fuel manufactured.....			57	5		15		21	6
127 Fur goods.....	2,468	59	2,668	346	38	345	49	1,733	1,144
128 Furnishing goods, men's.....	496	17	3,068	374	4	374	127	1,866	309
129 Furniture.....	2,366	64	19,606	2,370	111	4,200	66	7,666	4,666
130 Furs, dressed.....	124	3	477	145	6	115	1	127	73
131 Galvanizing and other coating processes, n. e. s.....	22	1	267	55	3	72		66	49
132 Gas and electric fixtures.....	214	7	2,363	229	10	415	17	1,665	868
133 Gas.....	37		20,368	863	19	2,866	18	11,666	5,661
134 Gas machines and gas and water meters.....	23	1	1,463	126	4	227	4	719	289
135 Glass.....	56	4	4,076	669	17	1,729	12	2,642	1,966
136 Glass, cutting, staining, and ornamenting.....	515	16	1,237	262	14	204	6	363	248
137 Gloves and mittens, leather.....	291	14	1,504	204	11	246	57	664	268
137x Gloves and mittens, cloth, not including gloves made in textile mills.	128	5	627	160	4	126	28	173	164
138 Glucose and starch.....	37		663	60	1	335	1	328	137
139 Glue, not elsewhere specified.....	23	1	618	61	6	140	3	271	137
140 Gold and silver, leaf and foil.....	86	9	99	18	4	19	5	17	26
141 Gold and silver, reducing and refining, not from the ore.	78	3	270	47	1	36		122	65
142 Graphite, ground and refined.....	10		137	15	1	33	1	66	41
143 Grease and tallow.....	439	15	1,175	183	5	312		494	191
144 Grindstones.....	7		48	21		9		11	7
145 Haircloth.....	15	4	67	11	1	15		23	17
146 Hair work.....	173	37	255	30	4	28	3	94	96
147 Hammocks.....	6		8	2		3		1	2
148 Hand stamps.....	276	17	693	168	16	19	4	266	230
149 Hardware.....	309	19	6,130	611	31	1,066	19	2,619	2,268
150 Hardware, saddlery.....	29	1	377	44		75	4	141	112

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	Number of wage earners—Dec. 15, or nearest representative day.					Fuel used.							
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural 1,000 cubic feet.	Manufactured (1,000 cubic feet).	
	26	27	28	29	30	31	32	33	34	35	36	37	38
5,001	6,338	5,438	860	9	31	24,339	80,189	468	2,783	2	248	4,792	101
694	806	632	160	14	10	2,068	8,428	44	6,526	1	41,180	47,880	102
77,617	85,063	83,063	1,872	109	9	6,309	658,919	94,940	264,655	65,108	493,764	313,300	103
174	206	201	.....	5	.....	654	682	.....	.....	6	203	4,576	104
1,878	2,127	1,912	167	46	2	1,011	1,899	26	15	10	682	67,137	105
7,014	7,824	4,544	3,018	126	126	3,280	6,324	39	.....	126	4,999	5,669	106
238	240	222	2	6	.....	5	98	.....	.....	.....	12	60	107
8,120	8,767	3,373	5,295	81	68	2,323	16,616	52	414	155	3,656	2,101	108
9,949	9,080	8,845	175	.....	.....	40,489	440,931	4,190	181,253	173	65,357	.....	109
13,961	15,863	7,222	8,007	263	341	8,328	14,390	1,224	3,304	110	2,875	25,547	110
3,501	3,234	443	2,767	7	17	238	353	33	243	1	300	9,568	111
5,236	5,896	4,478	1,371	30	16	18,447	65,588	.....	17,702	1	5,590	78	112
2,344	3,204	3,182	10	2	.....	2,005	88,651	815,322	1,060	350	4,499	.....	113
26,220	30,071	29,565	428	78	.....	12,749	349,612	1,306	64,442	6,933	52,546	1,861	114
5,767	6,192	5,280	885	41	6	16,356	41,966	730	49,609	12	59,352	21,923	115
11,267	11,497	10,390	1,068	49	.....	2,174	74,415	.....	11,451	1,310	.....	29,389	116
777	802	609	193	.....	.....	110	867	108	.....	8	2,625	3,979	117
1,222	1,288	713	527	14	14	687	6,253	230	801	75	.....	625	118
1,065	916	213	679	5	19	240	780	.....	70	50	708	1,721	119
2,188	2,274	1,125	1,113	17	19	1,409	7,809	30	102	20	11,822	9,186	120
420	538	498	44	.....	1	55	16,781	21	.....	.....	842	.....	121
45,481	49,932	48,688	1,170	72	2	57,084	1,582,494	5,134	645,553	84,636	1,142,616	13,839	122
30,968	33,829	23,810	9,707	177	135	65,048	486,951	10,422	105,347	7,790	682,372	388,846	123
482,767	538,308	519,428	16,655	2,091	137	512,767	3,691,809	1,377,503	2,170,596	109,714	19,280,610	2,553,183	124
906	972	943	22	7	.....	1,736	17,753	.....	6,183	360	75,967	9,788	125
171	284	274	10	.....	.....	7,647	4,445	675	.....	.....	.....	.....	126
13,639	16,626	9,816	5,737	42	31	4,600	3,522	14	20	2	5,988	6,373	127
18,944	20,881	3,324	16,986	103	566	3,892	7,651	10	4,620	84	2,293	6,158	128
138,331	166,384	141,447	12,967	1,761	319	26,346	832,862	13,000	19,732	4,283	226,965	86,117	129
5,075	5,365	4,488	813	24	39	4,405	14,603	142	57	3	360	2,999	130
1,065	1,586	1,504	82	.....	.....	5,083	3,616	4,298	1,014	166	72,063	29,269	131
9,796	11,148	8,565	2,351	138	94	7,089	30,617	1,044	1,068	280	31,180	85,743	132
42,908	44,280	44,058	200	28	.....	1,388,667	7,398,687	1,497,435	19,069,171	126,629	529,358	111,930	133
5,589	5,838	5,406	357	14	1	5,716	8,586	1,533	2,337	322	7,284	62,427	134
77,820	93,320	81,214	10,410	1,415	281	16,298	2,468,654	131,998	896,984	14,135	37,002,449	1,498,408	135
6,480	7,445	5,502	1,799	89	55	4,710	8,428	651	2,000	60	48,840	43,355	136
10,685	11,459	4,763	6,326	201	279	2,662	10,597	128	3	97	3,980	4,770	137
8,980	10,138	1,219	8,555	76	283	1,086	10,557	42	.....	89	2,689	977	137
7,795	9,737	8,798	983	7	1	112,141	889,133	14,822	17,518	28	.....	22,326	138
4,264	4,490	3,998	491	7	.....	12,430	294,287	1,082	1,490	.....	27	4,672	139
960	1,042	480	642	13	7	1,177	177	141	.....	11	.....	754	140
644	700	655	45	.....	.....	420	4,280	4,168	14,634	44	1,070	16,681	141
497	641	610	31	.....	.....	5,206	7,688	.....	82	151	.....	115	142
6,647	6,694	6,438	213	33	.....	21,123	337,311	344	65,695	16,540	52,161	214,260	143
674	553	559	4	.....	.....	13,610	.....	.....	50	15	29,069	.....	144
425	460	236	222	1	1	993	2,335	.....	5	52	.....	.....	145
1,084	1,135	288	832	3	12	253	832	16	2	.....	1,352	6,256	146
64	61	22	30	4	5	17	608	.....	.....	128	.....	.....	147
1,719	1,776	1,426	290	60	10	1,488	4,147	19	15	3	10,798	9,292	148
42,806	47,585	38,390	8,263	646	296	37,933	248,791	29,368	78,976	3,712	239,356	982,780	149
3,875	3,867	3,238	888	22	9	3,553	37,692	7,108	3,290	226	4,540	4,392	150

CENSUS OF MANUFACTURES: 1919:

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments reporting horsepower.	Primary power.							
		Aggregate horsepower.	Owned.						
			Total horsepower.	Steam engines.		Steam turbines.		Internal-combustion engines.	
				Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.
39	40	41	42	43	44	45	46	47	
101 Emery and other abrasive wheels.....	56	12,968	3,148	19	1,664	2	1,667	3	12
102 Enameling.....	55	1,183	377	6	377				
103 Engines, steam, gas, and water.....	364	190,021	80,680	198	42,737	49	27,843	216	15,773
104 Engravers' materials.....	20	759	259	1	150			4	109
105 Engraving and dieinking.....	241	1,700	238	4	108			5	43
106 Engraving, steel and copper plate, including plate printing.	268	5,420	944	12	797	1	2	5	40
107 Engraving, wood.....	19	67							
108 Envelopes.....	108	7,187	3,001	24	2,576	1	35	4	265
109 Explosives.....	118	51,635	35,149	293	23,304	31	10,372	5	40
110 Fancy articles, not elsewhere specified.....	426	8,993	2,543	24	1,634			18	282
111 Feathers and plumes.....	96	894	273	2	260			3	13
112 Felt goods.....	47	16,411	12,175	59	7,805	4	2,028	2	4
113 Ferroalloys.....	28	37,067	32,006	94	32,226	2	185	3	88
114 Fertilizers.....	664	126,989	46,063	549	39,374	6	1,308	219	4,883
115 Files.....	46	11,906	7,513	21	7,223			6	236
116 Firearms.....	28	26,167	14,354	6	846	6	12,350		
117 Fire extinguishers, chemical.....	22	855	71					3	11
118 Fireworks.....	24	1,005	605	12	383			3	30
119 Flags and banners.....	64	778	317	3	226			2	42
120 Flavoring extracts.....	152	3,376	559	11	428			16	103
121 Flax and hemp, dressed.....	18	1,320	1,528	12	1,345	2	119	1	80
122 Flour mill and gristmill products.....	10,673	576,405	611,967	2,933	309,826	66	26,763	3,427	96,291
123 Food preparations, not elsewhere specified.....	1,673	180,228	54,026	456	42,574	26	9,019	261	5,327
124 Foundry and machine-shop products.....	10,067	1,054,848	380,226	2,429	267,629	142	45,437	2,158	53,717
125 Foundry supplies.....	62	6,226	3,420	21	2,480			11	466
126 Fuel manufactures.....	11	5,180	1,845	14	1,845				
127 Fur goods.....	1,616	5,237	957	6	979			3	14
128 Furnishing goods, men's.....	408	5,963	2,859	26	2,644			11	149
129 Furniture.....	2,788	262,708	174,189	1,169	157,312	23	7,856	210	4,279
130 Furs, dressed.....	124	5,621	1,944	22	1,823	3	66	5	83
131 Galvanizing and other coating processes, n. e. s.....	40	1,681	606	6	122	1	22	6	457
132 Gas and electric fixtures.....	201	9,910	4,922	24	4,172			27	598
133 Gas.....	767	295,467	205,091	2,896	148,968	659	48,928	151	7,474
134 Gas machines and gas and water meters.....	97	3,801	2,298	6	615	1	66	28	1,714
135 Glass.....	589	297,429	154,474	411	80,715	24	18,425	371	62,877
136 Glass, cutting, staining, and ornamenting.....	475	5,110	1,019	12	626			23	282
137 Gloves and mittens, leather.....	200	3,268	1,298	14	918			17	73
137x Gloves and mittens, cloth, not including gloves made in textile mills.	199	3,364	811	9	267	1	120	14	124
138 Glucose and starch.....	82	53,846	48,451	101	19,295	19	26,291	13	245
139 Glue, not elsewhere specified.....	46	18,979	16,268	80	12,664	4	2,506	5	102
140 Gold and silver, leaf and foil.....	51	408	91	2	65			8	26
141 Gold and silver, reducing and refining, not from the ore.....	72	3,279	1,171	9	1,015	1	62	10	94
142 Graphite, ground and refined.....	24	7,445	3,176	17	2,668			4	283
143 Grease and tallow.....	398	25,684	15,562	262	16,806	23	1,427	28	329
144 Grindstones.....	28	2,621	2,923	26	2,476			24	446
145 Haircloth.....	15	1,153	326	6	629				
146 Hairwork.....	42	119	79	2	79				
147 Hammocks.....	6	92	80					1	50
148 Hand stamps.....	211	1,474	533	7	517			2	12
149 Hardware.....	519	67,589	23,228	192	23,964	14	8,915	63	1,706
150 Hardware, saddlery.....	26	7,161	5,865	29	4,208	1	1,659	12	209

CENSUS OF MANUFACTURES : 1910.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Primary power.								Electric motors.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.	Number.	Horsepower.	Number.	Horsepower.	
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.						Number.	Horsepower.	Number.	Horsepower.
48	49	50	51	52	53	54	55	56	57	58	59	
				9,820	694	9,820		802	11,812	108	1,092	101
				896	165	801	5	212	1,166	47	355	102
6	225			109,381	10,008	108,215	16	17,408	218,727	7,488	110,448	103
				800	50	474	36	50	474			104
				1,522	462	1,512	10	462	1,512			105
1	5			4,576	1,884	4,500	67	2,038	6,045	154	886	106
				67	39	67		39	67			107
1	125			4,186	2,015	4,123	63	2,038	6,761	620	1,638	108
28	1,308	6	125	16,486	1,058	16,486		2,679	39,306	1,621	22,819	109
13	423	1	4	6,430	1,370	6,114	326	1,422	6,343	82	229	110
				321	103	226	92	190	304	12	165	111
21	2,311			4,226	411	4,226		911	7,026	500	3,660	112
				4,579	422	4,579		828	24,025	106	19,466	113
4	215	20	264	79,886	3,756	79,886		4,535	92,111	777	13,225	114
1	25			4,392	210	4,384	8	251	4,992	41	608	115
2	156			11,813	848	11,812		1,394	20,842	548	9,080	116
				844	87	844		87	844			117
2	40			490	65	400		91	440	26	40	118
1	50			461	189	461		189	478	9	15	119
		1	1	2,817	715	2,817		755	2,997	40	80	120
				395	28	325		24	395	1	10	121
4,649	184,719	40	1,291	264,429	9,067	263,497	941	11,493	269,010	1,826	46,113	122
14	796			92,204	5,798	91,043	561	10,908	112,798	2,110	21,185	123
218	12,972	20	473	674,612	62,081	666,087	14,578	88,256	953,795	26,107	263,733	124
5	215			2,908	201	2,907	1	222	2,495	21	588	125
				2,226	154	2,225		162	2,555	8	220	126
1	3			4,240	5,788	4,240		5,788	4,240			127
3	75			2,208	1,727	2,800	6	2,078	4,042	229	1,942	128
21	4,987	5	26	58,514	12,982	66,527	1,967	19,546	126,721	6,594	59,194	129
				2,077	544	2,477	200	594	2,909	80	322	130
				1,026	122	998	60	229	2,014	106	1,048	131
4	190	1	2	4,988	908	4,724	254	1,268	7,416	385	2,662	132
1	12	12	184	52,276	1,412	52,263	12	2,225	55,408	1,822	22,040	133
				6,212	700	6,297	15	885	7,471	155	1,174	134
227	2,452	1	5	52,956	2,297	52,864	92	9,720	142,126	6,222	90,261	135
2	29			4,991	919	4,022	66	922	4,098	4	70	136
8	800	3	2	1,996	769	1,995		767	2,084	18	69	137
				2,652	728	2,652		772	2,045	49	192	137x
8	520			4,266	142	2,555	810	2,996	47,725	2,826	44,150	138
				698	62	698		890	11,894	818	11,201	139
				217	87	217		88	222	1	5	140
				2,106	268	1,970	128	406	2,122	18	162	141
6	472			4,269	114	4,269		120	4,291	6	122	142
				7,002	408	6,922	40	747	12,758	229	5,796	143
				709	21	709		26	879	5	170	144
2	266			227	10	146	121	10	146			145
				49	45	49		45	49			146
				42	7	42		7	42			147
1	4			941	549	941		654	1,219	105	278	148
22	1,556			24,261	2,265	22,896	686	4,111	45,096	846	11,200	149
2	80			1,896	62	1,651	15	195	2,916	112	2,265	150

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments.	Capital.	Salary and wage payments.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
151 Hat and cap materials.....	133	819,801,535	84,083,608	8449,319	\$230,949	8309,959	83,132,571
152 Hats and caps, other than felt, straw, and wool.....	709	18,515,472	12,204,563	891,220	516,126	1,358,343	9,438,864
153 Hats, fur-felt.....	176	58,137,770	24,274,203	1,558,722	730,169	2,342,781	19,642,531
154 Hats, straw.....	148	18,560,183	9,160,677	917,598	530,051	1,108,095	6,604,933
155 Hats, wool-felt.....	40	3,831,376	1,746,028	137,842	84,544	135,865	1,387,777
156 Hones and whetstones.....	11	847,340	288,048	40,274	14,560	30,213	203,001
157 Horseshoes, not made in steel works or rolling mills.....	20	4,589,563	1,215,854	159,699	69,626	157,200	830,249
158 House-furnishings goods, n. e. s.....	467	32,626,967	10,214,243	1,191,962	684,598	1,603,798	6,443,915
159 Ice.....	2,867	270,725,796	44,983,968	4,158,496	3,950,757	2,842,868	34,001,837
160 Ink, printing.....	90	18,702,523	5,392,062	996,377	500,005	1,318,780	2,674,920
161 Ink, writing.....	61	4,803,485	1,553,214	219,437	162,012	585,597	506,168
162 Instruments, professional and scientific.....	351	51,570,479	24,561,534	1,981,597	1,556,187	3,623,862	17,499,888
163 Iron and steel, blast furnaces.....	195	802,416,541	87,204,443	2,266,156	4,243,738	6,925,164	73,789,395
164 Iron and steel, steel works and rolling mills.....	500	2,656,518,417	737,517,850	14,235,399	20,239,009	54,316,012	637,637,430
165 Iron and steel, bolts, nuts, etc.....	144	75,715,918	26,230,263	1,857,705	1,185,235	2,263,429	20,973,834
166 Iron and steel, cast-iron pipe.....	59	42,863,026	17,136,810	718,337	667,259	1,045,616	11,705,398
167 Iron and steel, doors and shutters.....	57	9,849,235	3,987,808	533,574	251,922	472,538	2,729,774
168 Iron and steel, forgings.....	241	135,246,144	50,097,913	3,864,210	2,438,091	4,023,059	39,779,553
169 Iron and steel, nails and spikes.....	65	13,215,783	4,574,797	378,060	260,945	538,280	3,397,562
169x Iron and steel, case hardened, etc.....	520	7,626,948	3,845,911	511,343	263,416	328,294	2,742,926
170 Iron and steel, wrought pipe.....	50	72,709,472	17,774,802	899,992	640,072	1,344,862	14,919,676
171 Ivory, shell, and bone work, not in combs and hairpins.....	44	1,365,784	952,062	84,398	34,086	99,266	734,932
172 Japanning.....	36	461,561	329,429	40,460	15,798	12,536	280,640
173 Jewelry.....	2,054	131,070,305	50,051,565	4,828,203	2,742,592	6,617,052	35,863,718
174 Jewelry and instrument cases.....	142	3,697,104	2,816,768	325,201	144,888	199,031	2,147,648
175 Jute goods.....	26	41,335,845	7,550,301	282,862	398,212	432,941	6,436,286
176 Knit goods.....	2,050	516,457,991	157,526,402	11,996,228	8,196,641	12,190,713	125,199,820
177 Labels and tags.....	119	14,118,792	7,008,178	813,683	501,003	1,143,590	4,549,902
178 Lamps and reflectors.....	171	26,069,941	11,936,137	866,331	730,203	1,057,106	9,292,497
179 Lapidary work.....	124	19,209,627	3,536,454	423,932	145,152	129,559	2,837,811
180 Lard.....	6	40,537	18,460			6,306	12,184
181 Lasts.....	64	8,177,560	4,526,317	334,028	424,230	362,100	3,415,950
183 Lead, bar, pipe, and sheet.....	32	9,419,730	1,621,557	79,884	184,518	290,214	1,096,941
184 Leather goods, not elsewhere specified.....	603	33,341,468	13,437,845	1,492,399	711,804	1,818,249	9,415,403
185 Leather, tanned, curried and finished.....	680	671,341,553	108,384,445	8,185,113	6,197,296	5,796,563	88,206,473
186 Lime.....	476	45,844,533	12,865,076	764,789	611,633	629,458	10,899,196
187 Linen goods.....	10	7,537,596	1,964,967	73,260	93,636	162,369	1,635,642
188 Liquors, distilled.....	34	45,618,110	2,864,483	564,881	305,187	267,716	1,716,699
189 Liquors, malt, including cereal beverages.....	729	583,429,947	66,071,288	3,509,678	5,543,423	8,847,755	48,170,432
190 Liquors, vinous.....	342	14,855,481	2,383,986	271,560	200,004	896,524	1,013,896
191 Lithographing.....	331	60,817,330	27,314,040	2,861,841	1,864,811	4,396,299	18,201,089
192 Locomotives, not made by railroad companies.....	17	138,275,823	43,576,967	701,510	973,654	3,108,152	33,798,641
193 Looking-glass and picture frames.....	429	10,079,709	6,501,328	620,514	336,599	779,968	4,775,227
194 Lubricating greases.....	53	5,242,636	1,734,078	261,977	114,829	787,347	869,925
195 Lumber and timber product.....	26,119	1,337,991,571	545,347,364	17,864,542	20,157,341	17,906,390	489,419,091
196 Lumber, planing-mill products.....	5,309	361,848,079	120,512,866	10,799,960	7,517,491	10,218,899	91,976,526
197 Machine tools.....	403	231,039,843	84,216,825	4,776,986	4,714,966	8,545,904	66,178,999
198 Malt.....	55	34,829,495	2,692,711	530,921	240,575	248,005	1,845,210
199 Marble and stone work.....	4,240	112,568,533	47,115,676	3,147,255	2,399,476	3,244,121	33,354,822
200 Matches.....	21	29,477,496	4,865,532	183,093	399,143	1,233,759	3,069,537

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	Rent and taxes.				Cost of materials used.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
9	9	10	11	12	13	14	15	16	
857,036	867,090	8137,537	2644,213	285,940	216,643,919	216,490,064	2153,835	226,521,212	151
135,921	765,929	636,943	98,006	33,980	24,176,514	24,018,776	157,738	44,539,861	152
23,404	2,353,296	234,695	1,871,379	287,022	40,158,019	39,128,797	1,029,222	82,745,308	153
65,849	851,964	431,804	337,322	82,838	16,910,408	16,662,000	248,408	32,187,361	154
7,683	107,828	29,781	55,479	22,568	3,699,822	3,594,716	105,106	6,739,652	155
500	14,422	3,090	6,167	5,195	320,451	295,381	25,070	793,778	156
	37,766	1,208	6,176	30,381	1,536,619	1,356,018	180,601	8,367,001	157
140,039	1,377,558	551,205	657,505	168,848	39,793,962	39,439,747	354,215	60,211,604	158
234,167	5,717,896	771,828	2,400,591	2,548,470	42,877,509	17,271,245	25,606,264	137,004,798	159
117,743	740,693	116,085	439,106	185,532	14,661,115	14,327,796	333,319	26,244,470	160
	457,304	46,585	365,909	44,810	3,320,346	3,297,924	22,412	6,433,941	161
54,480	3,055,825	502,233	2,185,996	367,596	19,494,634	18,918,600	576,034	58,136,691	162
692,293	20,830,561	384,783	16,068,747	4,488,061	621,296,496	385,662,843	235,623,653	794,466,552	163
2,063,415	86,102,211	308,434	75,332,308	12,444,474	1,680,575,768	1,523,610,896	156,964,862	2,628,902,376	164
122,583	4,770,685	180,775	3,068,665	656,245	44,277,117	42,127,433	2,149,684	89,743,882	165
37,798	1,267,255	30,782	991,297	255,176	25,396,532	22,744,779	2,641,773	50,235,101	166
36,081	279,269	64,069	160,372	54,828	4,577,994	4,466,284	111,650	10,877,001	167
152,948	11,120,089	289,994	9,372,350	1,400,745	82,024,492	73,286,871	8,737,621	173,752,104	168
8,698	753,850	56,664	563,947	122,239	8,874,747	8,545,006	329,741	17,583,344	169
65,124	961,971	241,908	666,915	42,848	3,575,881	3,204,994	370,887	10,995,672	169x
12,769	3,685,243	37,254	3,245,222	392,767	51,155,653	49,307,757	1,847,896	81,869,115	170
9,584	74,247	28,066	33,055	7,197	1,298,876	1,250,506	48,370	2,816,530	171
80	37,025	24,240	625	2,280	221,901	198,264	23,637	771,143	172
2,274,299	4,566,106	3,051,522	1,908,150	516,404	110,450,653	109,713,874	736,809	208,939,230	173
189,336	195,265	149,268	29,758	12,219	3,505,840	3,458,169	47,671	8,126,300	174
45,741	1,194,102	37,667	942,309	212,126	17,708,634	17,256,328	452,306	34,442,668	175
8,466,923	25,966,579	3,272,445	20,599,248	3,124,886	427,065,560	421,630,358	5,435,202	713,139,689	176
203,771	643,866	261,911	561,255	80,600	11,274,767	11,120,220	154,547	24,242,962	177
29,133	1,182,743	229,463	680,506	281,775	18,429,033	18,026,214	402,819	36,093,917	178
19,691	270,005	125,916	123,164	19,225	19,363,004	19,331,643	31,361	30,051,460	179
	4,483	3,540	100	843	175,317	174,735	582	219,860	180
61,486	800,407	95,399	636,551	63,666	3,932,662	3,771,748	160,914	12,470,539	181
35,676	155,943	16,130	63,445	76,368	12,684,120	12,486,112	198,006	17,174,281	182
469,129	1,166,571	612,185	455,674	92,712	30,085,537	29,856,600	228,937	52,962,772	184
2,337,011	27,236,391	786,408	22,097,101	2,400,822	646,521,627	636,096,271	9,425,256	928,591,701	185
79,690	985,500	85,937	297,314	299,249	14,299,925	8,299,479	6,027,446	33,970,463	186
	172,499	12,531	99,197	69,771	4,190,187	4,026,499	163,688	6,998,046	187
479	3,506,296	15,223	3,564,872	203,186	19,655,522	18,590,658	1,064,864	31,884,065	188
125,779	99,498,631	1,269,159	91,719,391	6,479,631	94,792,639	83,223,931	11,568,728	379,905,065	189
297,069	2,626,056	55,065	2,349,827	229,143	5,115,841	5,021,765	94,076	17,454,194	190
1,368,424	2,400,408	1,019,799	1,026,375	322,269	27,718,217	27,128,996	589,219	73,151,115	191
	5,425,737	554	4,308,584	1,116,599	72,375,960	69,268,472	3,107,478	156,269,730	192
40,651	796,077	566,617	178,940	63,530	7,227,232	7,053,524	173,708	18,384,562	193
6,282	167,625	37,080	111,289	29,226	4,807,501	4,751,129	56,372	8,868,772	194
37,546,478	39,763,736	1,478,218	22,598,770	14,686,748	479,990,488	462,781,708	8,178,780	1,387,471,412	196
1,102,807	9,895,402	2,148,320	4,633,570	2,916,512	299,265,652	294,639,870	4,725,782	500,435,258	196
1,469,844	18,815,255	476,333	15,735,796	2,063,106	59,034,396	56,048,334	2,986,074	212,400,158	197
115	1,067,341	35,977	647,466	330,898	31,612,707	30,468,591	1,144,116	39,340,414	198
1,409,271	2,288,635	1,024,432	464,816	799,337	49,824,341	46,037,831	3,486,510	129,164,653	199
	1,033,508	14,716	787,363	226,429	6,822,970	6,577,212	278,758	18,495,878	200

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Proprietors and firm members.		Number of salaried employees.						
			Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18		19	20	21	22	23	24	25
151 Hat and cap materials.....	125	9	341	70	6	80	3	108	76
152 Hats and caps, other than felt, straw, and wool.....	614	17	1,282	259	5	182	13	584	289
153 Hats, fur-felt.....	147	1	1,080	204	6	283	39	714	414
154 Hats, straw.....	116	5	1,104	182	6	182	42	519	208
155 Hats, wool-felt.....	41	2	187	19	.....	40	4	78	19
156 Hones and whetstones.....	6	.....	44	7	.....	8	.....	17	12
157 Horseshoes, not made in steel works or rolling mills.....	11	.....	164	26	1	26	.....	71	41
158 House-furnishing goods, n. e. s.....	361	28	1,740	226	11	296	39	719	460
159 Ice.....	1,460	106	6,792	1,683	53	2,117	20	1,874	1,046
160 Ink, printing.....	50	.....	1,023	106	11	129	3	808	271
161 Ink, writing.....	52	3	459	33	3	44	3	222	164
162 Instruments, professional and scientific.....	232	16	3,608	314	14	573	25	1,862	1,178
163 Iron and steel, blast furnaces.....	29	12	5,255	231	1	1,118	1	3,031	889
164 Iron and steel, steel works and rolling mills.....	29	6	46,738	1,146	8	8,499	22	23,264	8,783
165 Iron and steel, bolts, nuts, etc.....	38	1	2,000	280	9	409	1	718	616
166 Iron and steel, cast-iron pipe.....	4	.....	1,148	106	3	314	1	849	176
167 Iron and steel, doors and shutters.....	21	1	591	89	3	97	.....	246	119
168 Iron and steel, forgings.....	56	3	4,197	421	7	890	1	1,898	1,022
169 Iron and steel, nails and spikes.....	31	1	554	70	8	80	1	239	139
169x Iron and steel, case hardened, etc.....	553	5	699	116	6	96	1	143	108
170 Iron and steel, wrought pipe.....	13	.....	1,344	90	2	228	1	661	342
171 Ivory, shell, and bone work, not in combs and hair-pins.....	40	5	104	18	.....	15	6	37	36
172 Japanning.....	40	1	31	12	.....	7	.....	7	5
173 Jewelry.....	2,232	57	6,420	901	41	980	50	1,968	2,533
174 Jewelry and instrument cases.....	143	3	286	64	3	56	8	78	78
175 Jute goods.....	13	.....	436	28	1	107	.....	169	111
176 Knit goods.....	1,424	64	12,613	1,898	68	2,932	345	3,718	2,665
177 Labels and tags.....	70	3	1,348	128	18	219	6	406	574
178 Lamps and reflectors.....	112	4	1,258	174	3	284	14	407	376
179 Lapidary work.....	143	4	167	33	2	36	1	49	41
180 Lard.....	7	.....	10	.....	.....	.....	.....	7	3
181 Laths.....	39	4	391	63	3	120	.....	123	63
183 Lead, bar, pipe, and sheet.....	4	.....	298	13	3	47	.....	143	55
184 Leather goods, not elsewhere specified.....	475	13	1,708	261	20	261	21	713	427
185 Leather, tanned, curried, and finished.....	373	25	6,418	794	23	2,020	22	2,267	1,298
186 Lime.....	332	17	1,101	240	12	330	5	325	169
187 Linen goods.....	.....	.....	180	11	.....	31	2	73	69
188 Liquors, distilled.....	2	.....	399	51	1	91	.....	129	87
189 Liquors, malt, including cereal beverages.....	167	29	8,237	1,265	46	1,671	6	4,473	747
190 Liquors, vinous.....	333	13	288	39	6	80	1	108	52
191 Lithographing.....	144	6	3,537	516	21	575	22	1,470	933
192 Locomotives, not made by railroad companies.....	1	.....	2,036	55	1	209	.....	1,449	263
193 Looking-glass and picture frames.....	379	19	823	139	7	161	4	261	237
194 Lubricating greases.....	18	1	547	47	5	53	1	283	158
195 Lumber and timber products.....	30,931	417	20,496	4,298	118	8,935	25	9,960	3,269
196 Lumber, planing-mill products.....	4,279	151	15,086	3,051	101	3,603	40	5,611	2,689
197 Machine tools.....	129	3	3,819	615	22	1,681	15	3,698	2,488
198 Malt.....	8	.....	253	92	8	80	1	139	33
199 Marble and stone work.....	4,654	120	4,672	1,030	42	1,141	8	1,738	715
200 Matches.....	3	.....	1,397	24	.....	180	2	1,018	163

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	Number of wage earners Dec. 15, or nearest representative day.					Fuel used.							
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural 1,000 cubic feet.	Manufactured 1,000 cubic feet.	
3,009	3,002	3,006	1,816	10	23	8,698	9,265	548	4	4		2,114	151
7,539	8,721	5,008	3,058	24	31	938	943	26		39	3,793	31,198	153
18,810	21,173	14,905	5,733	304	138	37,397	75,083	1,130	3,015	135	1,233	25,306	153
7,303	8,635	3,326	5,309	29	40	4,673	30,814	63	126	337	1,835	6,833	154
1,448	1,085	1,093	516	13	14	788	10,397	30	1	16	1,961	2,836	155
212	223	197	26			7	2,373		53	4	236		156
744	833	603	10	28		4,147	19,337	50	5,003	31		613	57
7,853	8,996	3,523	5,247	75	150	6,136	21,743	113	1,752	305	6,851	43,115	158
30,347	31,101	30,654	258	187	3	205,876	3,308,636	32,337	1,622,473	11,076	6,040,121	130,843	158
1,968	2,189	2,104	73	13		7,689	23,177	310	6,351		13,516	3,896	159
703	753	376	345	11	31	1,083	1,071	3		3	400	410	161
15,031	16,324	12,433	3,616	163	70	25,193	30,183	58	1,143	236	13,134	90,103	162
41,690	46,460	46,402	54	4		42,779	3,261,315	32,434,025	45,082	6,243	416,311	706,642	163
373,088	400,620	398,741	3,996	171	13	598,044	26,911,096	898,063	3,191,143	399,839	84,567,300	6,111,086	164
17,967	18,384	15,534	2,863	135	37	16,098	182,630	6,551	209,028	1,718	613,920	43,390	165
12,623	15,651	15,643	73	37		27,374	96,387	259,781	419	636	3,433	1,961	166
2,077	2,347	2,311	34	2		1,491	7,903	69	40	390	2,355	3,323	167
28,391	30,645	29,509	1,010	119	7	26,373	717,801	65,021	1,209,248	4,622	963,636	60,339	168
3,365	3,660	2,649	946	23	23	6,100	18,003	240	5,143	554	5,722	4,393	169
1,635	2,075	2,047	23	8		892	11,093	1,093	7,893	951	60,396	69,843	169
10,426	11,894	11,806	88		1	45,879	270,488	13,771	27,307	499	184,926	4,847	170
843	891	671	198	13	9	895	1,967	3		5		5,096	171
396	357	334	18	8		436	630	83		55	11,636	3,061	172
30,671	34,658	23,373	10,370	573	441	5,711	13,309	264	6,644	211	37,647	167,898	173
2,734	3,114	1,176	1,895	81	163	397	1,156	15	1,863		2,663	4,685	174
7,133	7,496	3,351	3,851	110	144	9,994	29,795		79			3,000	175
172,672	187,746	153,134	126,449	2,983	7,394	103,024	584,787	1,654	4,172	2,354	30,542	42,636	176
5,327	5,923	3,351	3,443	51	57	1,438	3,179	3	667	245	3,337	13,671	177
8,390	9,512	7,113	2,314	47	36	1,619	23,913	480	3,810	371	16,999	41,801	178
1,155	1,224	968	216	20		84	23		4	30	30	2,101	179
13	13	11	2				53				136		180
3,910	3,306	2,019	66	300	21	1,630	11,864	15	163	30	90	1,864	181
852	909	806	4	3	1	10,636	10,449	220	896	2	5,466	7,001	182
8,945	10,076	6,130	3,679	123	144	3,308	5,964	115	42	739	1,354	6,997	184
72,479	79,205	72,367	6,807	330	111	89,722	1,448,198	73,008	9,147	10,817	176,027	34,777	185
11,406	12,053	11,906	39	39		37,113	373,910	102,788	21,301	5,519	53,335	300	186
1,890	2,053	875	1,098	67	109	3,613	13,819			200			187
1,830	2,001	1,998	13	1	1	1,098	134,336	3,430	262,735	26,460			188
34,359	31,320	30,867	331	23		344,914	1,082,067	14,627	314,861	14,998	333,086	9,996	189
1,011	1,832	1,473	73	4		3,202	1,823	14	27,043	364	113	396	190
15,613	16,810	13,223	3,423	110	56	12,899	30,770	1,421	2,764	653	17,001	13,407	191
26,713	19,877	19,734	102	41		33,868	339,071	28,302	133,989	853	66,636	11,666	192
4,708	5,042	4,236	734	74	8	2,490	12,408	10	66	30	12,084	9,275	193
472	475	482	31	2		109	7,302	27	571	10	676,775	1,669	194
480,945	636,473	636,267	5,289	864	61	18,836	1,620,068	6,221	805,081	52,546	30,310	37	196
56,936	97,740	95,096	2,163	459	30	35,730	589,979	28,294	44,699	18,673	637,628	36,335	196
59,111	58,776	56,618	2,085	121	2	17,513	196,071	23,571	55,631	9,662	117,230	217,340	197
1,332	1,368	1,366	7	3		23,893	134,992	12,456	12,556	44		107	198
32,768	36,580	36,424	90	59	7	30,437	261,823	626	10,750	10,023	25,455	34,169	199
3,726	4,606	3,073	1,543	93	98	1,640	48,589	106	6,332	19	331		200

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments reporting horsepower.	Primary power.							
		Aggregate horsepower.	Owned.						
			Total horsepower.	Steam engines.		Steam turbines.		Internal-combustion engines.	
				Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.
	39	40	41	42	43	44	45	46	47
151 Hat and cap materials.....	107	4,927	3,977	24	3,607			6	65
152 Hats and caps, other than felt, straw, and wool.....	654	1,087	165	6	158			2	7
153 Hats, fur-felt.....	159	20,382	15,381	98	14,251	1	1,000	2	10
154 Hats, straw.....	137	3,392	2,147	23	1,776			3	131
155 Hats, wool-felt.....	33	2,698	2,239	15	1,874				
156 Hones and whetstones.....	11	1,164	1,059	5	705			4	69
157 Horseshoes, not made in steel works or rolling mills.....	16	3,874	2,754	10	2,403			5	116
158 House-furnishing goods, n. e. s.....	402	12,249	6,182	35	5,077	1	350	13	163
159 Ice.....	2,778	572,970	437,487	4,324	393,312	110	13,680	435	26,008
160 Ink, printing.....	86	10,368	6,045	23	5,335			16	661
161 Ink, writing.....	23	610	419	4	351			4	38
162 Instruments, professional and scientific.....	320	13,020	3,694	26	3,204			29	395
163 Iron and steel, blast furnaces.....	193	1,581,432	1,533,208	2,067	997,501	243	262,316	137	263,015
164 Iron and steel, steel works and rolling mills.....	499	3,820,917	3,123,070	4,739	2,245,846	679	610,710	141	257,473
165 Iron and steel, bolts, nuts, etc.....	141	49,949	17,402	80	14,906	4	145	23	1,661
166 Iron and steel, cast-iron pipe.....	58	28,741	11,501	36	10,547	4	750	1	4
167 Iron and steel, doors and shutters.....	51	4,013	1,060	8	1,106			6	225
168 Iron and steel, forgings.....	239	101,951	27,268	187	16,617	29	3,191	35	1,002
169 Iron and steel, nails and spikes.....	61	3,974	4,458	21	3,495			8	297
169 Iron and steel, case hardened, etc.....	432	3,804	1,430	14	877			45	603
170 Iron and steel, wrought pipe.....	47	23,625	13,455	59	12,206	2	1,100	3	150
171 Ivory, shell, and bone work, not in combs and hairpins.....	42	954	485	3	407			4	53
172 Japanning.....	29	311	25	1	25				
173 Jewelry.....	1,809	16,389	2,308	27	1,557	1	60	31	545
174 Jewelry and instrument cases.....	107	1,061	302	2	200			8	102
175 Jute goods.....	26	32,135	27,573	28	8,420	2	6,100	1	12
176 Knit goods.....	1,962	151,601	89,758	569	68,559	20	7,434	53	814
177 Labels and tags.....	103	4,061	1,734	7	1,283	1	34	11	406
178 Lamps and reflectors.....	132	12,708	2,513	14	1,867			14	531
179 Lapidary work.....	115	680	6					2	6
180 Lard.....	4	40	25	2	25				
181 Lasts.....	63	5,843	3,511	34	3,388			9	106
182 Lead, bar, pipe, and sheet.....	29	5,537	3,153	23	3,090			1	65
184 Leather goods, not elsewhere specified.....	438	3,902	938	17	696			17	217
185 Leather, tanned, curried, and finished.....	656	218,233	159,267	1,115	124,883	124	26,915	69	6,433
186 Lime.....	301	51,735	23,140	319	18,728	10	1,218	130	3,944
187 Linen goods.....	10	6,969	4,667	10	2,516	1	450	3	121
188 Liquors, distilled.....	29	16,494	5,231	32	7,099	5	580	3	32
189 Liquors, malt, including cereal beverages.....	713	324,431	289,296	2,982	269,099	67	7,348	34	3,651
190 Liquors, vinous.....	314	5,189	1,487	45	879			124	596
191 Lithographing.....	262	13,624	7,017	48	6,188	2	254	11	575
192 Locomotives, not made by railroad companies.....	17	97,187	37,420	73	27,010	3	7,055	5	3,353
193 Looking-glass and picture frames.....	219	4,689	1,453	17	1,434			3	19
194 Lubricating greases.....	41	2,173	1,453	11	1,162			8	293
195 Lumber and timber products.....	25,185	2,418,987	2,331,473	32,998	2,023,433	665	212,365	1,723	23,225
196 Lumber, planing-mill products.....	5,232	419,671	254,875	2,674	222,033	55	12,009	741	15,393
197 Machine tools.....	397	100,433	30,267	192	20,325	17	6,650	55	2,249
198 Malt.....	34	27,483	13,722	96	16,272	3	2,000		
199 Marble and stone work.....	3,333	170,132	75,149	999	59,265	13	718	796	10,175
200 Matches.....	21	12,947	9,567	27	5,641	5	3,923	1	4

CENSUS OF MANUFACTURES : 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Primary power.								Electric motors.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other horsepower.					
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.		Number.	Horsepower.	Number.	Horsepower.	
48	49	50	51	52	53	54	55	56	57	58	59	
4	195	1	10	1,060	352	1,060	.....	484	1,976	132	926	151
.....	.....	.....	.....	1,522	1,705	1,522	.....	1,721	1,537	16	15	152
1	120	.....	.....	5,008	705	4,998	12	1,789	9,631	1,064	4,635	153
2	240	.....	.....	1,215	493	1,235	10	618	2,197	155	962	154
3	365	.....	.....	487	111	455	2	164	855	53	400	155
6	285	.....	.....	105	7	105	.....	27	366	20	261	156
2	175	.....	.....	1,120	68	1,120	.....	82	1,315	14	165	157
5	562	.....	.....	6,097	1,335	5,705	392	1,533	6,631	198	926	158
51	2,354	7	188	135,438	5,658	132,438	3,045	8,169	158,552	2,511	26,114	159
.....	.....	8	29	4,306	284	4,184	124	433	6,909	199	2,725	160
.....	.....	.....	.....	191	109	191	.....	169	456	60	265	161
1	25	.....	.....	9,398	1,884	9,357	39	2,689	12,056	805	2,609	162
9	364	1	7	48,229	1,004	48,204	25	7,450	242,554	6,446	194,350	163
31	7,708	2	1,333	697,847	22,053	695,097	2,750	85,489	2,350,596	63,427	1,655,499	164
10	690	.....	.....	32,557	2,285	32,557	.....	2,810	46,387	524	13,830	165
1	200	.....	.....	17,240	948	17,240	.....	2,106	35,493	1,158	18,253	166
3	380	.....	.....	2,333	334	2,333	.....	363	3,000	29	667	167
7	848	.....	.....	74,693	4,948	73,738	955	6,078	90,693	1,130	18,955	168
16	696	.....	.....	4,486	270	4,483	3	302	5,320	32	537	169
.....	.....	.....	.....	7,324	353	7,315	9	896	7,437	13	122	169x
.....	.....	.....	.....	10,469	965	10,469	.....	2,402	29,187	1,447	18,718	170
1	25	.....	.....	469	100	394	78	101	419	1	25	171
.....	.....	.....	.....	286	90	281	5	90	281	.....	.....	172
3	114	.....	.....	14,063	5,985	12,700	1,299	6,265	15,750	280	2,960	173
.....	.....	.....	.....	789	294	773	16	303	822	19	59	174
9	13,046	.....	.....	4,557	151	4,557	.....	460	17,633	309	13,076	175
130	11,896	108	1,075	61,848	10,928	59,680	2,163	15,509	9,137	4,581	31,457	176
1	2	.....	.....	2,337	847	2,309	28	1,453	4,828	605	2,519	177
2	65	.....	.....	10,195	1,204	10,109	86	1,283	10,974	79	865	178
.....	.....	.....	.....	674	616	674	.....	616	674	.....	.....	179
.....	.....	.....	.....	16	3	15	.....	3	15	.....	.....	180
1	20	.....	.....	2,331	261	2,028	303	444	4,087	183	2,059	181
.....	.....	.....	.....	2,382	82	2,382	.....	216	4,366	134	1,984	182
4	16	1	10	2,963	1,145	2,901	62	1,191	3,081	46	180	184
25	2,024	1	5	58,971	4,329	58,494	477	10,601	148,935	6,272	85,441	185
4	250	.....	.....	28,595	1,161	28,595	.....	1,333	32,155	172	3,500	186
16	1,580	.....	.....	1,402	204	1,402	.....	237	2,497	33	1,066	187
1	600	.....	.....	8,263	177	8,263	.....	356	10,581	179	2,318	188
.....	.....	29	194	44,145	4,678	41,844	2,301	14,539	110,755	9,861	68,111	189
1	12	.....	.....	9,702	498	3,702	.....	516	3,722	18	20	190
.....	.....	.....	.....	11,907	3,475	11,533	74	5,361	18,957	1,886	7,424	191
.....	.....	.....	.....	59,767	2,927	59,084	683	5,763	118,873	2,836	69,796	192
.....	.....	.....	.....	3,236	740	3,206	80	750	3,233	10	27	193
.....	.....	.....	.....	722	94	723	.....	134	1,704	40	961	194
1,363	61,796	21	631	87,464	4,013	83,872	3,692	12,401	279,478	3,388	195,606	195
117	4,195	9	438	164,799	16,944	162,195	2,601	20,466	199,694	3,522	37,499	196
16	1,033	.....	.....	70,176	7,761	70,037	139	11,408	98,817	3,657	28,780	197
3	450	.....	.....	8,761	410	8,761	.....	999	21,379	589	12,018	198
27	4,827	2	54	94,983	6,065	94,028	955	6,728	106,033	663	12,005	199
.....	.....	.....	.....	3,380	472	3,380	.....	1,936	9,911	1,484	6,531	200

CENSUS OF MANUFACTURES—1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments.	Capital.	Salary and wage payments.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
201 Mats and matting.....	12	87,190,675	81,040,261	884,120	963,345	982,179	8310,607
202 Mattresses and spring beds, not elsewhere specified.....	1,041	49,212,858	18,363,699	2,095,627	1,114,932	2,347,689	12,905,361
203 Millinery and lace goods, etc.....	3,005	95,538,799	66,415,119	5,241,738	3,431,376	7,803,021	49,848,984
204 Millstones.....	12	58,905	56,332	.....	10,500	1,800	43,723
205 Mineral and soda waters.....	5,194	102,838,582	24,663,665	2,665,897	2,231,334	3,372,967	16,393,477
206 Minerals and earths, ground.....	419	60,208,617	19,449,831	1,159,937	1,069,487	910,389	16,309,518
207 Mirrors, framed and unframed, not elsewhere specified.....	186	9,322,060	4,201,184	582,108	325,784	474,144	2,819,140
208 Models and patterns, not including paper patterns.....	928	11,753,992	12,236,220	866,804	563,829	477,483	10,318,104
209 Motorcycles, bicycles, and parts.....	51	25,362,180	12,953,563	670,987	698,501	900,870	10,763,235
210 Mucilage, paste, and other adhesives, n. e. s.....	127	7,133,137	1,891,169	446,096	162,599	432,112	850,382
211 Musical instruments and materials, n. e. s.....	240	7,876,182	5,016,898	300,250	341,859	390,063	3,984,656
212 Musical instruments, organs.....	68	6,770,587	2,502,190	201,938	137,324	184,410	1,978,518
213 Musical instruments, pianos.....	191	116,106,536	31,871,866	2,428,979	1,305,677	2,666,010	25,474,200
214 Musical instruments, piano and organ materials.....	113	32,323,669	12,809,661	1,010,338	529,610	569,476	10,467,137
215 Needles, pins, and hooks and eyes.....	92	26,324,627	11,316,031	855,217	770,866	880,167	8,808,781
216 Nets and seines.....	19	4,155,531	770,487	103,145	72,687	33,373	561,282
217 Oakum.....	6	978,063	168,006	28,113	6,665	12,176	118,032
218 Oil and cake, cottonseed.....	711	203,457,371	30,550,910	2,122,262	4,125,405	3,668,066	20,615,193
220 Oil, essential.....	78	6,379,910	620,003	65,792	85,383	77,646	391,213
222 Oil, linseed.....	26	73,934,068	4,461,673	584,908	251,662	573,688	3,062,269
223 Oil, not elsewhere specified.....	280	91,475,009	11,855,513	1,664,996	1,103,648	2,945,732	6,141,145
224 Oilcloth and linoleum, floor.....	21	49,803,688	8,297,546	470,774	446,097	866,680	6,518,069
225 Oilcloth, enameled.....	11	10,782,987	1,604,784	114,202	115,275	174,400	1,200,877
226 Oleomargarine.....	42	24,971,947	5,167,684	431,131	356,870	1,186,565	3,184,118
227 Optical goods.....	506	37,739,904	19,968,866	1,541,068	1,483,783	2,573,788	14,388,207
228 Ordnance and accessories.....	26	85,399,163	19,659,035	813,012	1,540,607	1,748,774	15,656,642
229 Paints.....	601	177,314,815	37,820,075	4,461,208	3,526,025	10,282,471	19,550,371
230 Paper and wood pulp.....	729	906,794,583	165,648,288	10,109,187	8,628,630	11,316,907	135,690,642
231 Paper goods, not elsewhere specified.....	308	64,442,599	19,406,631	2,562,572	1,263,147	2,916,888	12,666,924
232 Paper patterns.....	19	1,084,325	584,208	55,440	40,664	63,620	874,479
*233 Patent medicines and compounds.....	2,467	143,496,611	35,485,026	7,751,966	3,802,715	13,181,611	13,748,813
234 Paving materials.....	889	67,421,242	20,533,502	1,268,360	1,322,739	1,143,269	17,199,154
235 Peanuts, grading, roasting, cleaning, and shelling.....	78	10,393,512	2,028,688	269,144	194,242	206,590	1,328,712
236 Pencils, lead.....	12	29,641,044	6,969,477	345,438	233,369	1,105,620	5,299,060
237 Pens, fountain and stylographic.....	59	9,728,362	4,712,441	383,861	222,094	1,196,303	2,686,663
238 Pens, gold.....	15	397,964	573,838	35,410	12,221	9,064	517,123
239 Pens, steel.....	4	1,311,160	811,267	48,677	23,339	64,805	679,605
240 Perfumery and cosmetics.....	569	32,666,633	10,418,627	2,064,346	973,714	3,361,961	3,983,016
241 Petroleum, refining.....	320	1,170,278,199	116,368,661	4,175,656	7,129,635	15,308,533	89,749,697
242 Phonographs and graphophones.....	106	106,241,859	42,650,716	1,697,671	1,777,061	5,312,916	33,963,148
243 Photographic apparatus.....	68	7,264,021	3,494,436	296,694	242,782	302,003	2,642,987
244 Photographic materials.....	169	87,204,707	28,166,253	1,216,216	2,494,173	5,490,023	18,066,941
245 Photo-engraving.....	422	12,442,784	15,266,926	2,056,795	841,403	1,964,189	10,423,541
246 Pickles, preserves, and sauces.....	723	83,708,666	21,712,408	2,126,631	1,729,368	4,499,887	13,346,467
247 Pipes, tobacco.....	66	7,634,662	3,549,215	198,108	267,371	548,345	3,555,291
248 Plated ware.....	68	34,789,823	14,849,621	610,673	714,725	2,111,132	10,913,091
249 Plumbers' supplies, not elsewhere specified.....	214	60,990,623	20,563,664	1,423,666	1,205,137	1,962,344	15,962,517
250 Pocketbooks.....	139	5,427,990	4,167,167	295,372	167,553	556,339	3,031,903
251 Pottery.....	340	66,787,979	36,823,710	2,665,422	1,633,664	2,074,335	29,830,278
252 Poultry, killing and dressing.....	196	8,876,942	2,737,651	128,394	243,734	320,479	2,046,043
253 Printing and publishing, book and job.....	13,099	446,544,984	207,196,863	31,181,707	13,890,784	30,648,149	141,476,243
254 Printing and publishing, music.....	160	8,006,123	3,974,328	750,156	279,719	2,017,396	936,968
255 Printing and publishing, newspapers and periodicals.....	17,362	614,045,344	288,196,701	21,111,583	29,231,632	93,507,413	144,348,173

CENSUS OF MANUFACTURES : 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	Rent and taxes.				Cost of materials used.			Value of products.
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.	
			Federal.	State.				
R	9	10	11	12	13	14	15	16
83,308	8225,977	85,940	8152,367	967,670	82,102,580	82,051,382	851,198	24,860,855
113,608	2,063,960	895,968	800,966	305,967	49,208,560	48,590,046	618,514	88,982,609
6,133,827	6,204,342	4,067,361	1,733,330	393,651	182,928,877	181,972,247	956,630	255,734,922
	2,233	2,175		58	25,500	18,099	7,410	68,866
590,338	7,368,733	1,310,566	5,063,576	1,034,592	68,569,585	66,788,762	1,810,833	135,341,487
369,870	1,669,519	459,027	890,804	343,598	16,370,251	12,605,172	3,665,079	46,067,239
15,558	579,828	232,424	280,488	66,916	12,496,733	12,320,827	177,906	20,830,775
105,260	807,821	491,490	177,067	139,244	6,396,534	6,106,967	289,567	25,300,389
1,088	2,318,546	182,808	2,780,940	406,000	25,986,916	25,346,078	639,242	83,106,866
5,208	275,826	82,964	152,630	40,262	7,062,728	6,971,281	121,447	11,230,253
32,027	415,070	137,045	214,985	63,040	4,444,729	4,295,490	149,239	12,506,334
26,806	118,443	45,506	39,090	33,848	2,217,097	2,111,833	105,264	5,973,268
27,640	3,620,088	910,574	2,127,465	581,749	54,364,656	53,322,488	1,042,168	107,088,050
15,172	1,216,999	266,882	725,436	224,721	16,668,140	16,285,048	408,092	36,789,827
295,316	1,781,687	96,284	1,469,229	216,224	10,227,199	9,826,308	400,891	29,304,965
	111,623	10,326	31,606	69,601	3,648,306	3,624,737	23,469	5,114,414
	16,520	742	3,810	11,468	575,525	560,638	14,882	983,428
841,589	5,282,005	198,165	3,672,812	1,411,038	495,192,294	486,636,672	8,555,622	581,244,796
2,000	148,658	35,865	96,658	27,115	3,903,417	3,808,067	95,350	5,696,403
6,201	1,299,856	4,256	976,386	319,216	100,577,538	99,908,059	669,479	120,638,100
23,513	2,428,908	256,514	1,766,943	427,446	119,270,586	117,900,207	1,370,379	166,479,654
8,398	2,124,077	321	1,974,739	149,017	30,368,708	29,020,819	1,347,884	62,672,206
7,590	237,226	8,000	176,600	52,626	11,140,723	10,871,326	269,397	16,436,875
36,864	1,974,329	102,050	1,710,672	161,647	66,042,792	65,626,330	416,462	79,815,580
100,885	2,966,197	656,796	1,926,620	382,781	17,785,083	17,066,129	698,954	53,717,796
1,475	3,880,361	110,462	3,264,654	505,105	26,669,658	25,813,109	1,079,549	69,496,628
696,986	6,331,973	668,574	4,532,977	1,108,122	165,904,116	162,037,931	3,866,185	256,714,379
487,240	24,911,259	1,078,989	26,489,285	7,344,045	467,442,637	412,482,682	54,999,955	788,069,377
151,824	6,385,063	539,902	5,216,830	628,351	65,295,484	64,021,069	1,274,395	107,284,759
11,691	43,030	30,289	9,318	8,423	316,590	314,366	2,224	1,528,382
803,210	15,674,708	1,471,482	12,785,273	1,317,953	88,819,417	87,732,309	1,087,108	212,162,255
238,506	1,532,766	707,218	414,392	411,098	16,019,811	12,679,016	3,340,796	45,740,606
11,348	447,085	79,837	26,730	80,818	28,474,052	28,245,926	128,126	33,884,377
9,707	2,479,248	39,002	2,185,188	255,056	9,073,563	8,822,030	251,533	24,134,159
13,986	1,473,472	108,185	1,223,327	142,980	5,811,419	5,524,012	286,507	15,968,808
	18,277	16,629	1,031	717	962,410	654,927	7,483	1,801,460
	41,833	270	36,226	5,387	897,383	381,825	16,558	1,079,541
225,069	2,604,440	632,140	1,778,770	193,530	26,147,026	26,024,744	122,282	50,613,361
2,352,306	78,408,547	125,909	71,692,184	6,560,454	1,247,908,355	1,194,403,246	53,505,109	1,632,532,766
1,751,018	9,062,122	304,179	8,146,826	631,117	59,740,206	58,223,678	1,516,627	168,547,870
150	348,369	115,259	199,570	33,530	3,564,380	3,498,634	65,446	9,384,050
10,980	5,918,625	539,825	5,194,051	265,249	49,801,747	48,836,358	965,389	115,714,179
317,416	980,923	637,664	236,012	54,267	6,083,382	4,766,114	282,268	29,869,386
47,304	3,883,176	567,836	2,780,855	534,485	93,037,433	91,851,287	1,186,146	145,784,530
57,214	314,128	68,918	198,697	46,513	3,497,414	3,385,289	112,125	11,533,777
12,754	1,123,683	79,061	839,587	206,045	17,766,536	17,265,869	500,637	41,634,585
101,699	2,226,909	267,884	1,562,098	378,722	27,797,007	26,346,429	1,450,578	60,065,265
167,873	281,996	177,636	72,666	31,457	7,567,156	7,594,869	32,273	14,529,659
117,384	2,899,987	162,182	2,220,617	467,288	20,794,076	15,400,706	5,393,371	74,919,198
3,620	363,197	88,638	211,105	63,464	36,015,817	35,850,321	165,496	41,705,079
23,245,303	19,838,046	11,689,852	5,772,609	2,360,844	211,097,174	206,081,696	4,985,479	597,963,228
2,713,899	642,299	296,654	387,136	58,617	2,123,781	2,097,144	26,637	14,562,177
50,776,049	30,261,632	10,038,370	15,645,715	4,617,997	300,886,187	293,181,862	7,208,326	924,153,873

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Proprietors and firm members.		Number of salaried employees.						
			Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18		19	20	21	22	23	24	25
201 Mats and matting.....	6	1	93	13		27		37	16
202 Mattresses and spring beds, not elsewhere specified.....	941	42	2,624	485	25	502	24	1,064	524
203 Millinery and lace goods, etc.....	3,028	364	7,737	1,018	87	977	457	2,874	2,324
204 Millstones.....	16		3			2		1	
205 Mineral and soda waters.....	5,410	203	5,208	1,027	52	1,288	26	1,900	935
206 Minerals and earths, ground.....	162	14	1,508	317	16	470		428	277
207 Mirrors, framed and unframed, not elsewhere specified.....	143	11	549	113	6	107	5	181	137
208 Models and patterns, not including paper patterns.....	1,003	15	833	208	9	206	1	204	205
209 Motorcycles, bicycles, and parts.....	16		1,298	84	1	285	6	460	462
210 Mucilage, paste, and other adhesives, n. e. s.....	88	8	475	93	11	55	1	163	152
211 Musical instruments and materials, n. e. s.....	220	3	621	64	3	126	2	166	260
212 Musical instruments, organs.....	56		288	54	6	60	1	84	83
213 Musical instruments, pianos.....	30	3	2,770	362	20	413	8	1,168	799
214 Musical instruments, pianos and organ materials.....	35	3	839	140	13	197	11	230	248
215 Needles, pins, and hooks and eyes.....	38	1	1,066	118	1	296	8	299	364
216 Nets and seines.....	4	1	79	16		20	2	16	19
217 Oakum.....	8		22	7		4		8	3
218 Oil and cake, cottonseed.....	134	11	5,282	679	10	2,012	8	2,112	461
220 Oil, essential.....	74		98	15		33	1	28	21
222 Oil, linseed.....	4		574	47	1	65		295	166
223 Oil, not elsewhere specified.....	85	4	2,592	330	11	412	10	1,199	630
224 Olecloth and linoleum, floor.....	3		837	51		146		415	225
225 Olecloth, enameled.....	4		185	15		41	1	93	35
226 Oleomargarine.....	1		1,016	57	2	126	3	533	295
227 Optical goods.....	485	9	3,590	239	15	562	12	1,209	1,503
228 Ordnance and accessories.....	3		2,369	90		347	3	1,349	580
229 Paints.....	216	10	8,934	709	32	1,172	29	4,735	2,288
230 Paper and wood pulp.....	144	27	11,005	1,285	27	2,472	62	4,500	2,659
231 Paper goods, not elsewhere specified.....	111	13	2,918	330	17	469	16	1,076	960
232 Paper patterns.....	9	2	88	12		9	9	10	48
*233 Patent medicines and compounds.....	1,473	175	12,878	1,321	144	1,403	167	5,918	3,038
234 Paving materials.....	630	17	1,923	404	14	633		696	187
235 Peanuts, grading, roasting, cleaning, and shelling.....	54	3	288	47		81	7	94	59
236 Pencils, lead.....			743	41	1	34	5	371	291
237 Pens, fountain and stylographic.....	38	2	690	56	1	93	2	346	192
238 Pens, gold.....	13		27	11		6		6	4
239 Pens, steel.....	1		36	7	1	5		41	32
240 Perfumery and cosmetics.....	307	66	3,668	345	49	297	69	1,194	1,714
241 Petroleum, refining.....	55	4	14,525	494	16	2,229	9	9,031	2,746
242 Phonographs and graphophones.....	43		5,062	229	5	609	16	2,399	1,934
243 Photographic apparatus.....	29	2	501	51	2	98	5	186	159
244 Photographic materials.....	75	1	5,113	170	8	690	17	2,237	1,991
245 Photo-engraving.....	253	11	2,185	427	27	273	4	978	456
246 Pickles, preserves, and sauces.....	505	44	4,211	424	25	732	44	1,990	996
247 Pipes, tobacco.....	50	4	309	24		58	12	125	90
248 Plated ware.....	23	1	1,943	92	5	278	5	783	780
249 Plumbers' supplies, not elsewhere specified.....	75	4	2,491	267	9	507	5	1,088	665
250 Pocketbooks.....	164	4	424	59	4	59	1	180	121
251 Pottery.....	172	11	2,575	337	13	781	25	748	621
252 Poultry, killing and dressing.....	170	6	521	48	3	123	1	186	155
253 Printing and publishing, book and job.....	11,682	503	36,009	4,639	301	5,274	207	12,916	12,522
254 Printing and publishing, music.....	101	6	1,616	100	6	89	3	843	575
255 Printing and publishing, newspapers and periodicals.....	13,600	970	93,679	4,803	336	10,222	860	45,102	32,287

CENSUS OF MANUFACTURES : 1919.

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SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	Number of wage earners Dec. 15, or nearest representative day.						Fuel used.					
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.	
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).
1,073	1,201	890	304	3	14	28	6,087				19	19
12,637	13,935	10,861	3,068	192	44	5,275	30,455	850	6,523	1,501	36,731	6,833
50,850	55,788	41,146	14,642	197	710	14,400	31,073	189	679	547	5,498	61,605
28	33	23	10			3	780		90			204
17,440	17,481	16,411	668	320	5	16,789	169,525	999	51,440	19,709	123,467	31,815
14,426	15,162	15,006	140	14	3	20,921	514,900	5,165	111,653	8,432	984,780	41,799
2,689	2,921	2,624	283	33	1	2,536	13,427	62	917	45	14,619	9,002
6,949	8,043	7,903	180	50	1	2,261	4,956	2,118	72	258	31,141	11,480
10,866	11,616	10,367	1,121	88	52	5,365	38,280	3,008	22,013	2,380	82,475	35,167
803	837	636	194	13	4	1,553	10,423	140	64	13	269	11,889
4,113	4,361	3,513	774	50	24	1,312	8,816	86	52	215	1,569	33,463
1,941	2,132	1,850	235	41	6	1,047	7,765	52	480	5	3,030	12,518
22,967	24,645	22,131	2,162	267	85	17,571	144,707	1,074	927	15	1,458	4,667
11,009	11,963	8,677	3,048	137	91	8,837	32,653	4,728	829	315	-28,195	32,263
9,264	9,520	4,670	4,746	119	304	4,420	21,343	16	1,693	652	1,675	25,115
859	857	199	612	4	42	419	3,089			24		216
124	123	120				35	893	1,018	39			317
26,706	27,142	26,168	778	179		24,763	1,172,176	10,262	399,720	4,499	1,048,090	479,684
321	409	441	25	3		8,943	5,364		4,001	184		7,296
2,173	2,316	2,263	55			31,893	73,871	85			767	222
5,930	7,011	6,333	678	1		40,578	143,153	2,633	38,428	3,068	48,398	3,741
5,414	6,463	6,113	325	23	2	36,141	181,829	2,721	7,449	140		224
1,130	1,326	1,198	115	6	10	3,343	16,558	52	8,675			235
2,851	3,521	2,690	823		8	5,881	41,172	11,086		6,240		1,771
14,723	16,222	10,149	4,070	327	176	2,083	19,024	31	5,177	628	293,460	80,981
11,328	12,920	12,120	898	2		26,747	66,684	3,837	56,268	968	2,974,211	4,280
17,485	18,716	16,931	1,724	41	20	69,766	413,309	17,047	51,812	728	122,793	84,817
113,759	122,129	111,121	10,862	88	75	898,948	7,963,180	63,384	2,117,674	3,440	281,680	5,000
14,135	15,468	9,493	5,894	120	272	20,636	105,075	226	2,008	409	12,282	16,835
408	391	126	262		2	53						446
17,444	18,798	9,903	9,418	187	239	43,083	106,045	775	10,808	1,038	38,890	63,520
16,073	18,820	15,999	6	15		21,839	404,013	273	80,297	10,044	4,480	375
2,460	3,007	1,965	1,023	3	17	913	13,530	15	774	22	11,022	4,235
5,970	6,198	3,512	3,126	60	192	15,600	9,143	411	1,726			5,014
3,207	3,587	2,207	1,320	43	17	620	2,770		152	30	65	4,176
416	458	416	60	2		33			1			717
807	790	123	666	5	26	4	2,141	2				3,654
5,405	6,076	1,940	4,102	46	58	1,723	5,344	13	5,102	37	6,263	11,984
56,839	62,600	61,492	1,126	42		1,105,803	3,619,534	319,563	22,940,032	67,489	25,497,600	1,421,453
26,721	35,184	27,613	7,603	26	11	43,195	127,659	16	2,906	1,216	8,407	43,041
2,655	3,022	2,471	515	19	17	923	3,158	16	80	24	133	815
14,506	15,965	11,170	4,698	80	12	5,836	127,828	68	5	1,171	2,468	17,916
6,799	7,387	6,895	373	107	7	530	1,125	8		12	14,229	315,393
16,621	19,294	9,300	9,514	159	211	7,781	191,892	292	45,483	606	47,640	29,415
2,539	2,785	2,208	566	7	14	1,660	2,416	19	2	1		1,485
9,492	10,861	8,633	2,198	73	52	7,973	45,675	241	9,735	550	4,993	42,047
13,893	16,798	15,512	1,087	147	12	7,391	146,178	33,099	52,993	1,932	186,448	18,661
2,906	3,190	1,902	1,487	23	58	899	869		1			1,355
27,984	30,702	22,747	7,879	247	129	24,988	610,892	1,017	40,580	1,263	6,523,764	92,624
2,140	2,912	2,082	1,211	9	10	32	19,944	10	608	139	11,775	2,740
123,096	124,379	97,793	23,433	2,401	813	38,486	126,443	1,421	6,080	2,619	299,315	606,922
699	893	744	280	7	1	199	1,428			80		796
129,381	126,219	100,599	21,129	4,244	287	121,799	199,281	4,115	63,268	24,770	743,120	977,373

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments reporting horsepower.	Primary power.									
		Aggregate horsepower.	Owned.						Internal-combustion engines.	Horse-power.	
			Total horsepower.	Steam engines.		Steam turbines.		Number.			Horse-power.
				Number.	Horse-power.	Number.	Horse-power.				
39	40	41	42	43	44	45	46	47			
201 Mats and matting.....	12	1,670	1,325	6	1,245	1	10	1	70		
202 Mattresses and spring beds, not elsewhere specified.....	907	23,460	5,220	30	3,697	2	250	60	1,001		
203 Millinery and lace goods, etc.....	2,244	12,482	3,672	48	3,245			21	254		
204 Millstones.....	3	132	72	1	60			1	12		
205 Mineral and soda waters.....	4,808	41,784	16,019	204	11,284	17	1,361	729	3,277		
206 Minerals and earths, ground.....	403	127,074	71,835	798	59,301	9	2,086	149	4,466		
207 Mirrors, framed and unframed, not elsewhere specified.....	155	4,328	2,180	28	1,815	2	200	11	173		
208 Models and patterns, not including paper patterns.....	853	13,809	5,996	8	4,748	2	155	62	773		
209 Motorcycles, bicycles, and parts.....	48	14,806	4,137	19	3,700	1	270	4	77		
210 Mucilage, paste, and other adhesives, n. e. s.....	90	3,242	1,639	33	1,373			5	108		
211 Musical instruments and materials, n. e. s.....	162	3,286	330	5	142			13	86		
212 Musical instruments, organs.....	62	3,251	1,548	14	1,360			8	188		
213 Musical instruments, pianos.....	173	28,732	20,545	122	19,015	25	807	6	623		
214 Musical instruments, piano and organ materials.....	106	15,821	10,635	55	9,675	2	55	11	469		
215 Needles, pins, and hooks and eyes.....	91	8,467	4,951	28	3,492	3	633	1	4		
216 Nets and seines.....	16	859	755	4	730			1	28		
217 Onkum.....	6	533	460	7	410						
218 Oil and cake, cottonseed.....	708	290,911	206,000	1,061	192,336	17	3,020	126	10,857		
220 Oil, essential.....	33	1,833	1,691	37	1,512			13	129		
222 Oil, linseed.....	26	17,621	9,425	33	9,175						
223 Oil, not elsewhere specified.....	224	20,075	22,427	286	21,749			38	674		
224 Oilcloth and linoleum, floor.....	20	23,300	14,323	108	12,655	4	1,066	1	2		
225 Oilcloth, enameled.....	11	4,501	960	7	875	1	75				
226 Oleomargarine.....	41	9,435	5,188	42	5,151			1	12		
227 Optical goods.....	492	15,710	4,866	7	735	3	4,021	6	56		
228 Ordnance and accessories.....	25	40,632	5,687	28	6,669	3	1,631	5	187		
229 Paints.....	551	73,702	36,645	270	29,904	13	3,320	57	2,492		
230 Paper and wood pulp.....	722	1,861,089	1,623,112	2,918	559,208	230	139,775	37	3,191		
231 Paper goods, not elsewhere specified.....	284	35,538	20,203	74	15,303	6	1,885	17	255		
232 Paper patterns.....	6	68									
233 Patent medicines and compounds.....	980	25,677	10,984	134	10,156	2	31	65	744		
234 Paving materials.....	822	191,543	110,292	1,436	101,012	23	4,569	206	4,104		
235 Peanuts, grading, roasting, cleaning, and shelling.....	77	7,351	4,328	38	4,015			6	313		
236 Pencils, lead.....	12	8,099	4,663	15	4,215	1	400	2	48		
237 Pens, fountain and stylographic.....	52	1,517	821	2	315	1	320	8	86		
238 Pens, gold.....	15	160	5					1	5		
239 Pens, steel.....	4	305	297	3	287			1	10		
240 Perfumery and cosmetics.....	262	2,196	329	10	295			4	24		
241 Petroleum, refining.....	257	238,906	187,621	2,266	96,020	201	49,723	647	42,617		
242 Phonographs and graphophones.....	147	40,168	22,514	46	9,684	8	12,289	8	396		
243 Photographic apparatus.....	61	2,321	408	2	375			2	28		
244 Photographic materials.....	124	26,456	13,594	50	10,791	3	2,735	5	68		
245 Photo-engraving.....	399	3,900	84	1	25			3	58		
246 Pickles, preserves, and sauces.....	591	22,500	13,819	210	12,549	1	30	131	1,190		
247 Pipes, tobacco.....	48	2,001	749	9	700			4	49		
248 Plated ware.....	64	14,252	8,730	36	5,420	2	2,596	7	200		
249 Plumbers' supplies, not elsewhere specified.....	199	29,762	17,132	96	15,184	3	905	22	670		
250 Pocketbooks.....	113	431									
251 Pottery.....	296	29,090	19,728	239	18,124	3	385	49	1,113		
252 Poultry, killing and dressing.....	87	4,016	2,058	36	1,951			4	107		
253 Printing and publishing, book and job.....	11,875	131,961	17,035	133	13,327	8	528	400	3,095		
254 Printing and publishing, music.....	26	634	12					2	12		
255 Printing and publishing, newspapers and periodicals.....	12,735	104,361	39,127	215	24,688	14	378	3,927	13,277		

CENSUS OF MANUFACTURES : 1919.

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SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES--Continued.

Primary power.								Electric motors.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.					
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.		Number.	Horsepower.	Number.	Horsepower.	
48	49	50	51	52	53	54	55	56	57	58	59	
				945	125	345		170	700	35	355	201
5	336	5	26	18,940	3,841	18,168	82	3,708	19,314	162	1,166	202
8	170			8,610	7,382	8,736	73	7,744	10,107	362	1,360	203
				66	3	60		2	60			204
7	39	45	66	28,743	8,657	28,148	397	9,174	27,179	517	2,031	205
52	5,712			55,699	1,473	54,629	10	1,609	61,457	196	5,928	206
		1	1	3,139	334	3,044	95	403	3,428	68	382	207
2	20			8,173	1,930	9,054	119	1,938	8,108	8	54	208
2	90			10,099	963	10,263	296	1,017	11,633	54	1,350	209
1	157	1	1	1,008	155	1,563	40	310	1,887	25	324	210
5	100			2,966	1,030	3,899	67	1,061	2,916	21	27	211
				1,708	456	1,997	6	586	2,106	131	409	212
1	100			8,157	1,007	9,152	35	2,656	17,270	1,049	9,118	213
11	331	2	5	5,299	787	5,181	106	1,404	9,890	647	4,209	214
14	822			3,516	715	3,472	44	931	5,903	216	2,431	215
				204	24	204		159	516	65	312	216
2	50			73	6	73		6	73			217
6	1,300	11	387	82,911	1,964	82,256	635	2,402	93,400	438	11,144	218
2	50			142	18	142		65	482	47	350	220
1	250			8,196	199	8,196		312	10,875	123	2,679	222
1	4			7,648	600	7,640	8	786	10,802	186	3,252	223
				9,186	773	9,186		1,670	17,719	897	8,533	224
				3,551	438	3,301	240	498	3,501	60	300	225
1	25			4,247	392	4,247		591	6,330	199	2,130	226
2	54			10,844	3,728	10,733	61	3,728	10,783			227
1	290			31,956	1,838	31,965		3,408	38,550	565	6,585	228
18	964	2	65	37,057	2,270	36,065	373	3,433	55,863	1,262	19,168	229
2,844	909,913	61	11,125	237,977	6,001	239,092	1,315	17,766	553,536	11,755	346,024	230
12	2,269			15,235	2,699	15,166	199	4,417	25,064	1,748	10,498	231
				66	37	66		37	66			232
3	35	6	18	14,098	2,784	14,428	268	3,635	19,046	851	4,621	233
5	375	4	232	81,234	1,706	81,179	73	1,898	86,730	160	5,581	234
				3,023	262	3,023		308	3,578	44	555	235
				3,436	407	3,436		607	6,117	200	2,681	236
2	109			696	351	671	25	412	1,216	61	545	237
				156	52	140	15	82	140			238
				8	4	8		22	95	18	87	239
				1,867	776	1,867		783	1,896	7	19	240
19	130	1	1	51,385	2,576	51,385		6,665	106,625	3,069	57,240	241
2	175			17,684	2,392	17,649	5	3,641	32,192	1,249	14,544	242
				1,918	386	1,918		480	2,192	74	274	243
				12,864	2,385	12,864		5,092	23,236	2,777	10,373	244
		1	1	3,716	2,899	3,716		3,913	3,729	14	13	245
		1	50	8,061	2,292	8,563	116	3,902	16,884	1,510	8,319	246
				1,332	198	1,352		304	1,624	116	372	247
10	612			5,522	594	5,482	40	1,218	10,868	624	5,396	248
5	373			12,699	1,110	12,563	67	1,546	20,128	736	7,565	249
				431	370	431		370	431			250
2	106			9,362	1,263	9,312	50	2,087	14,147	824	4,635	251
				1,966	185	1,966		264	2,211	69	253	252
4	34	22	41	114,926	69,733	114,441	484	69,065	123,837	2,932	9,399	253
				622	373	622		372	622			254
23	369	127	265	155,294	48,987	154,947	387	52,614	172,796	4,627	17,539	255

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments.	Capital.	Salary and wage payments.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
256 Printing materials.....	82	\$7,245,110	\$1,477,895	\$282,308	\$113,757	\$273,530	\$798,402
257 Pulp, from fiber other than wood.....	5	778,177	74,262	8,890	6,450	3,388	55,944
258 Pulp goods.....	40	17,190,849	5,527,158	431,478	328,239	1,161,120	3,008,214
259 Pumps, not including power pumps.....	127	26,060,646	10,029,017	728,616	847,651	2,474,629	5,968,121
260 Pumps, steam and other power.....	112	54,839,975	18,798,855	1,223,119	1,400,649	2,411,561	13,783,826
261 Refrigerators.....	122	23,800,628	8,360,673	678,464	432,323	1,440,535	5,809,351
262 Regalia and society badges and emblems.....	115	6,257,750	2,751,478	262,969	187,498	500,808	1,800,283
263 Rice, cleaning and polishing.....	86	23,792,509	8,441,136	381,203	449,631	677,906	1,932,198
264 Roofing materials.....	178	57,069,224	15,758,693	1,015,806	966,634	3,432,310	10,344,043
265 Rubber goods, not elsewhere specified.....	437	782,637,722	231,756,285	6,860,748	9,288,907	58,699,712	166,806,828
266 Rules, ivory and wood.....	13	414,960	185,911	16,994	8,200	18,347	142,290
267 Saddlery and harness.....	1,823	49,368,288	15,338,751	1,344,350	964,312	2,061,023	10,849,066
268 Safes and vaults.....	38	13,023,284	4,383,220	312,768	298,730	538,384	3,233,318
269 Salt.....	86	47,728,231	9,909,506	753,758	560,990	1,211,438	7,353,420
270 Sand and emery paper and cloth.....	12	9,087,998	1,585,048	181,768	149,855	412,669	840,766
271 Sand-lime brick.....	32	2,229,769	637,627	48,044	62,951	24,778	501,854
272 Sausage.....	633	13,777,265	6,142,555	467,220	331,821	664,388	4,679,118
273 Saws.....	112	26,665,360	9,671,542	630,304	470,041	1,360,380	6,260,807
274 Scales and balances.....	79	22,924,843	3,799,948	459,577	423,986	1,162,434	6,133,978
275 Screws, machine.....	143	53,569,817	15,022,699	1,068,453	963,593	968,973	12,104,780
276 Screws, wood.....	11	14,682,800	5,834,683	270,344	176,299	523,327	4,864,612
277 Sewing-machine cases.....	5	17,331,959	5,719,148	62,900	311,802	183,826	5,161,120
278 Sewing machines and attachments.....	40	71,363,920	22,411,429	431,654	1,004,528	1,641,969	19,333,378
279 Shipbuilding, steel.....	162	1,268,640,254	593,634,063	6,793,200	20,365,334	30,102,223	538,372,376
280 Shipbuilding, wooden.....	913	120,807,566	66,927,039	2,871,958	2,602,368	2,278,961	69,074,072
281 Shirts.....	896	102,012,047	35,654,210	2,624,277	2,022,355	5,173,723	25,533,856
282 Show cases.....	119	5,377,884	2,658,524	269,923	130,445	262,493	1,068,660
283 Signs and advertising novelties.....	779	29,249,133	16,346,686	1,467,216	1,161,743	3,762,811	9,715,216
284 Silk goods.....	1,309	532,732,163	134,597,282	9,005,617	7,784,873	9,580,473	108,226,320
285 Silversmithing and silverware.....	99	34,465,322	9,688,922	648,972	451,492	1,222,140	7,349,409
286 Slaughtering and meat packing.....	1,304	1,179,483,643	269,174,628	6,660,991	12,421,218	49,968,466	209,489,263
289 Smelting and refining, copper.....	24	308,680,268	31,619,716	643,655	1,901,521	3,350,969	25,729,371
290 Smelting and refining, lead.....	26	115,676,768	11,281,401	287,909	788,877	1,075,000	9,179,618
292 Smelting and refining, zinc.....	29	96,767,355	20,244,747	370,867	894,764	1,196,838	17,763,378
292x Smelting and refining metals.....	13	20,227,644	3,915,200	226,292	408,963	311,797	2,963,148
293 Smelting and refining, not from the ore.....	81	22,136,513	4,664,270	591,744	401,923	577,463	3,093,140
294 Soap.....	348	212,416,896	35,399,914	2,636,327	2,948,832	8,286,692	21,226,093
295 Soda-water apparatus.....	66	14,711,872	4,612,783	352,539	325,267	702,569	3,232,398
296 Sporting and athletic goods.....	188	19,951,458	7,358,060	557,174	332,485	714,434	5,762,963
297 Springs, steel, car and carriage, etc.....	112	45,472,282	14,702,654	1,335,193	916,306	1,200,179	11,157,874
298 Stamped and enameled ware, not elsewhere specified.....	323	122,222,064	45,044,452	3,016,193	2,262,812	4,814,126	34,851,311
299 Stationery goods, not elsewhere specified.....	223	36,700,909	16,160,042	1,551,468	1,168,000	3,865,707	9,577,897
300 Statuary and art goods.....	195	3,145,853	2,070,904	158,017	87,112	109,708	1,716,067
301 Steam fittings and steam and hot-water heating apparatus.....	261	133,097,464	58,204,233	2,692,388	2,723,802	7,046,618	45,742,625
302 Steam packing, including heat insulation.....	169	26,934,462	10,366,152	1,046,420	781,169	1,435,298	7,103,275
302x Steel barrels, drums, etc.....	33	18,218,312	5,899,421	551,817	303,745	608,415	4,435,444
303 Stencils and brands.....	84	1,111,338	634,159	87,213	37,222	71,008	428,706
304 Stereotyping and electrotyping.....	171	7,860,376	7,032,451	935,595	552,032	542,279	5,002,645
306 Stoves and hot-air furnaces.....	412	122,812,373	54,618,128	3,872,699	2,560,728	6,863,568	41,321,183

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	Rent and taxes.				Cost of materials used.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
83,184	8480,608	8127,604	8276,660	826,354	81,610,718	81,658,882	960,968	84,918,799	266
	6,448	930	2,845	2,977	365,947	874,901	21,646	594,444	267
	966,317	15,362	862,748	70,307	11,351,972	10,742,905	609,066	23,608,403	268
15,185	812,886	101,212	697,907	218,476	12,161,892	11,860,996	300,828	31,686,438	269
24,080	2,248,133	123,216	1,818,364	310,582	23,907,889	23,115,714	792,175	53,748,803	260
14,830	664,792	63,686	352,680	180,036	11,948,972	11,704,141	244,831	26,048,808	261
100,803	363,034	108,086	191,450	58,496	4,237,055	4,233,760	33,295	9,395,470	262
17,871	1,184,227	122,606	890,670	161,646	76,033,816	76,335,172	298,644	90,038,412	263
179,446	1,704,124	84,797	1,330,459	288,668	52,567,777	49,956,679	2,631,098	66,895,899	264
3,579,851	40,301,301	6,486,760	36,226,222	3,488,378	526,686,309	513,080,368	12,605,943	987,068,045	265
614	9,865	5,979	1,263	2,123	133,984	124,846	9,098	480,548	266
68,867	3,202,431	726,266	2,065,343	390,905	52,442,907	52,064,231	378,676	83,719,010	267
43,815	1,071,364	43,844	956,718	70,722	6,008,680	6,441,995	166,685	15,298,927	268
31,466	1,961,307	171,416	1,400,753	409,636	16,027,791	11,330,924	4,687,867	37,518,821	269
	678,326	109,491	416,189	52,659	5,060,561	4,935,624	124,937	9,308,734	270
	64,978	34,979	13,444	16,556	575,402	440,763	134,639	1,063,052	271
220,263	679,707	306,747	263,226	109,724	43,640,356	43,410,600	229,656	66,610,062	272
27,959	2,317,542	54,868	2,186,122	136,823	11,792,224	11,232,010	560,214	31,460,557	273
240	1,036,804	146,622	761,852	128,130	6,963,662	6,729,098	264,564	20,641,086	274
73,063	3,806,979	143,492	3,212,098	450,789	14,963,868	14,340,709	643,168	40,015,480	275
	969,267		750,679	208,608	5,551,563	5,169,250	382,318	15,489,582	276
	123,515	429	23,586	96,497	3,018,270	7,907,582	110,688	14,243,468	277
7,639	787,960	32,907	402,660	352,263	16,384,124	15,842,863	541,271	43,004,919	278
8,205,896	47,499,961	2,868,781	40,360,553	4,280,577	643,752,814	629,809,673	12,948,141	1,456,469,518	279
1,901,723	3,702,125	647,701	2,426,674	627,850	60,769,862	65,108,911	1,660,961	165,871,745	280
10,661,306	3,828,761	1,303,744	2,360,262	265,785	127,087,745	126,431,922	656,823	308,327,133	281
6,813	309,133	106,627	62,161	49,435	4,632,123	3,930,116	102,007	8,294,306	282
232,663	1,262,968	535,081	511,864	206,094	16,071,924	15,716,571	355,353	43,343,098	283
43,146,391	26,564,520	3,962,226	18,816,379	1,796,915	388,469,022	382,267,575	6,201,447	686,469,523	284
43,806	646,281	157,722	234,009	254,550	18,080,929	12,724,362	536,627	29,126,123	285
1,978,648	19,654,846	2,054,729	15,461,621	5,108,298	3,782,929,533	3,755,839,744	24,069,789	4,246,290,614	286
225,176	3,411,123	12,022	1,137,818	2,271,268	684,410,173	565,167,149	19,243,024	631,101,591	289
249,865	1,086,804	13,933	668,206	429,678	179,373,646	173,697,163	5,676,483	196,794,519	290
	1,777,597	17,100	1,353,024	407,463	70,014,738	60,568,127	9,446,601	104,122,633	292
	729,609	3,568	580,096	145,420	14,967,867	14,370,379	597,088	20,074,504	292x
1,132	517,150	45,970	355,063	116,098	40,675,890	39,949,163	726,717	50,246,068	293
633,688	6,068,675	289,848	4,677,609	1,222,138	233,513,656	224,066,114	3,820,744	316,740,115	294
81,962	686,866	114,268	712,747	59,768	6,626,968	6,467,216	189,652	15,185,370	295
126,632	720,909	104,080	486,821	131,888	11,969,368	11,730,776	238,612	33,629,991	296
241,604	2,237,988	200,162	1,814,611	223,375	28,019,180	26,255,302	1,763,878	51,479,535	297
514,847	8,129,302	563,927	6,412,603	1,163,672	63,466,652	62,638,720	2,920,908	143,633,577	298
181,519	3,011,155	629,661	2,269,182	219,680	28,180,220	27,812,723	347,516	58,363,244	299
43,329	100,771	114,214	24,441	22,116	1,878,540	1,326,493	50,047	5,019,521	300
36,910	7,797,806	319,642	6,574,970	907,894	72,016,363	68,019,820	3,997,078	160,265,488	301
24,866	1,647,071	130,494	1,316,936	207,648	22,724,661	21,331,996	1,392,665	40,824,779	302
3,229	1,222,066	68,961	1,037,662	115,138	15,151,210	14,918,978	237,232	24,943,660	302x
6,168	76,607	57,060	13,124	6,266	514,241	500,026	14,216	1,697,786	303
76,516	681,626	343,751	249,716	36,139	4,234,479	3,681,041	353,438	15,919,014	304
126,191	4,392,204	344,372	3,117,872	930,060	54,803,316	52,461,756	2,341,560	148,717,963	305

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Proprietors and firm members.		Number of salaried employees.						
			Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18	19	20	21	22	23	24	25
256 Printing materials.....	30	2	371	62	5	42		59	73
257 Pulp, from fiber other than wood.....	6		10	3		3			4
258 Pulp goods.....	9	2	923	56	3	117	3	417	325
259 Pumps, not including power pumps.....	78	2	2,156	126	4	343	2	1,193	480
260 Pumps, steam and other power.....	33	3	2,563	181	5	407	4	1,179	788
261 Refrigerators.....	69	3	1,136	141	6	215			268
262 Regalia and society badges and emblems.....	74	16	606	61		77	8	234	236
263 Rice, cleaning and polishing.....	39	1	1,096	83	1	519		438	55
264 Roofing materials.....	77	3	2,355	177	5	395	4	1,512	789
265 Rubber goods, not elsewhere specified.....	90	7	40,679	798	16	3,160	46	26,712	11,152
266 Rules, ivory and wood.....	9		32	7		4		11	10
267 Saddlery and harness.....	1,335	61	2,408	319	12	417	2	1,330	426
268 Safes and vaults.....	16		617	56	4	86		309	182
269 Salt.....	30	10	1,147	104	5	207	1	595	235
270 Sand and emery paper and cloth.....	3		328	27		44		178	79
271 Sand-lime brick.....	3		63	25		35	1	30	12
272 Sausage.....	681	23	819	123	5	115	3	381	192
273 Saws.....	78	5	1,111	92	4	125		545	342
274 Scales and balances.....	36	2	1,351	82	7	178	6	653	426
275 Screws, machine.....	70	1	1,268	191	8	355	3	350	381
276 Screws, wood.....	2		550	24	1	101	1	109	254
277 Sewing-machine cases.....	2		409	6		226	1	103	74
278 Sewing machines and attachments.....	16		1,974	80	2	379	4	928	606
279 Shipbuilding, steel.....	20	1	21,840	439	3	5,444	9	11,610	4,335
280 Shipbuilding, wooden.....	784	11	2,124	422	11	1,049	2	1,146	504
281 Shirts.....	923	26	4,722	287	14	628	223	1,995	1,290
282 Show cases.....	111	1	234	80	1	75		108	62
283 Signs and advertising novelties.....	616	8	3,776	262	20	483	26	1,790	1,115
284 Silk goods.....	963	28	8,962	1,125	28	2,324	154	3,027	2,304
285 Silversmithing and silverware.....	53		1,068	115	6	126	9	470	252
286 Slaughtering and meat packing.....	1,065	16	35,225	1,019	20	4,591	29	23,290	6,267
289 Smelting and refining, copper.....			2,309	54	4	456	3	1,518	274
290 Smelting and refining, lead.....	1		915	28	1	205		599	112
292 Smelting and refining, zinc.....			1,107	51	1	240		596	230
292x Smelting and refining metals.....			318	27		143		119	30
303 Smelting and refining, not from the ore.....	53	1	573	81	3	141		224	124
294 Soap.....	171	12	8,300	243	22	913	66	3,911	3,016
295 Soda-water apparatus.....	42	1	806	67	2	127	1	362	247
296 Sporting and athletic goods.....	185	8	636	109	4	172	19	304	327
297 Springs, steel, car and carriage, etc.....	46	9	1,365	165	10	282		527	371
298 Stamped and enameled ware, not elsewhere specified.....	94	7	5,104	465	16	827	15	2,253	1,528
299 Stationery goods, not elsewhere specified.....	120	10	3,144	224	21	418	28	1,404	1,029
300 Statuary and art goods.....	217	16	207	58	3	61	2	54	36
301 Steam fittings and steam and hot-water heating apparatus.....	72	1	7,105	396	14	897	16	3,421	2,329
302 Steam packing, including heat insulation.....	68	4	1,542	177	10	253	6	640	456
302x Steel barrels, drums, etc.....	11		624	61	3	110	2	200	156
303 Stencils and brands.....	78	6	126	33	3	24		28	28
304 Stereotyping and electrotyping.....	84	1	874	190	19	179	2	327	175
305 Stoves and hot-air furnaces.....	127	12	6,146	712	24	1,048	8	2,973	1,579

CENSUS OF MANUFACTURES, 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	Number of wage earners Dec. 15, or nearest representative day.					Fuel used.							
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).	
723	728	668	48	2	1,732	1,016				2	1,830	9,823	256
64	70	54	16		204	8,710							257
3,041	3,678	3,079	668	11	1,888	198,142	160	242	376	856	621	258	
5,384	6,065	5,088	183	171	1,458	24,580	6,836	630	148	77,424	19,966	259	
10,688	10,991	10,638	260	44	19,551	76,101	17,823	19,440	2,814	30,238	10,138	260	
5,788	6,438	6,148	260	84	638	37,347	67	2,117	98	6,252	8,143	261	
2,222	2,368	687	1,448	12	268	4,113	544	96	11	8,918	776	262	
2,113	3,433	3,380	30	3	708	10,853		54,720	346			263	
8,871	10,187	9,709	413	9	25,400	265,026	16,384	120,337	39,448	38,102	103,728	264	
119,848	128,061	121,008	16,330	454	84,918	1,928,116	3,651	186,630	48,146	263,148	20,612	266	
168	191	133	44	13	13	904				80	1,776	266	
10,411	11,099	10,078	980	52	1,613	20,821	126	200	237	16,709	6,168	267	
2,949	3,379	3,311	53	15	1,459	10,924	545	6,308	453	16,886	42	268	
6,495	7,028	6,514	481	17	61,251	957,447	6,920	126,881	17,046	18,772	26,313	269	
771	806	781	96	20	9,385	9,702						270	
504	601	680	2		1,200	21,673	28	1,203	67			271	
3,471	3,738	3,308	478	11	4,460	19,682	1,661	2,535	447	19,546	46,547	272	
5,510	5,871	5,398	364	89	816	39,631	1,253	34,635	4,788	11,378	57,915	273	
5,432	6,105	5,777	286	42	1,028	16,387	4,665	1,793	662	9,807	6,009	274	
10,322	11,808	9,787	1,687	78	1,910	36,492	136	18,108	1,354	62,055	48,098	275	
4,890	5,240	3,781	1,369	63	9,909	10,127	113	3,294	210		2,580	276	
4,171	4,790	4,263	460	7		28,057	2,074			16,040	1,999	277	
15,069	16,368	15,700	2,123	240	45	73,561	34,680	10,804	16,361	614	81,603	278	
344,014	309,373	308,078	972	323	37,392	785,898	96,717	980,144	95,594	472,070	222,397	279	
43,432	45,933	45,803	88	12	12,842	82,815	973	52,528	5,596	1,579	5,415	280	
39,608	46,686	7,711	37,797	233	987	18,343	33,049	443	2,034	845	9,769	46,635	281
1,837	2,048	1,969	25	4		106	7,501		175	9	2,473	5,228	282
10,432	11,868	7,146	4,448	122	182	2,496	24,932	396	4,390	239	16,722	18,731	283
126,782	137,716	82,404	78,160	2,368	4,784	308,165	269,717	1,002	45,196	1,311	23,191	21,533	284
6,453	6,693	5,543	995	102	53	2,364	13,477	41	29,641	5,606		35,505	285
160,995	163,582	147,137	16,244	186	87	223,891	3,802,849	32,170	1,890,794	21,725	977,259	314,069	286
17,345	16,997	16,937	60			179,026	1,088,511	397,763	2,539,631	3,490		712,617	289
6,438	6,321	6,322	9			7,276	292,800	321,442	201,881	207	10,816	10,124	290
13,795	14,147	14,161	14	2		835,129	1,123,690	238,422	6,197	449	24,842,806	847	292
2,041	2,187	2,024	163			8,391	73,074	38,429	149,617	322		1,092	292
2,167	2,256	2,237	18	1		26,839	55,353	10,203	48,458	374	19,722	16,810	293
20,496	20,280	14,126	5,829	180	119	107,682	606,335	1,082	93,851	3,082	5,334	6,689	294
2,669	2,739	2,646	83	11		167	12,082	2,167	200	31	274	3,077	295
6,412	7,656	4,857	2,697	126	108	2,427	18,927	10	699	1,235	31,392	14,478	296
8,961	9,562	8,788	719	28	23	3,277	84,978	1,479	223,928	12,660	499,945	677,667	297
34,246	37,977	29,480	7,799	394	354	19,833	390,237	24,765	158,077	5,235	731,566	102,328	298
11,261	12,612	6,070	6,271	97	174	5,431	32,169	92	39	307	5,333	9,029	299
1,466	1,648	1,514	125	8	1	1,223	1,880	100	35	8	88,104	3,144	300
36,686	44,371	41,386	2,410	68	8	34,499	208,393	147,474	123,835	2,249	181,147	118,898	301
6,147	6,838	5,656	1,084	59	40	1,226	291,581	13,789	35,101	2,279	6,559	70,481	302
2,322	4,045	2,966	89			444	20,980	3,333	5,306	13	25,092	1,248	302
417	479	378	61	18	1	228	125	9		3	1,028	1,186	303
3,694	3,899	3,768	87	87		1,404	3,558	97	410	51	25,479	52,238	304
22,808	26,546	25,801	411	332	2	13,369	161,318	121,676	1,630	5,956	65,661	35,899	306

CENSUS OF MANUFACTURES - 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES - Continued.

Industry.	Number of establishments reporting horsepower.	Primary power.								
		Aggregate horsepower.	Owned.						Internal-combustion engines.	
			Total horsepower.	Steam engines.		Steam turbines.		Number.	Horsepower.	
				Number.	Horsepower.	Number.	Horsepower.			
39	40	41	42	43	44	45	46	47		
256 Printing materials.....	74	1,367	391	11	313			4	88	
257 Pulp, from fiber other than wood.....	5	523	754	3	350					
258 Pulp goods.....	36	12,372	5,707	33	6,388	1	469			
259 Pumps, not including power pumps.....	119	16,540	3,043	24	2,626			21	899	
260 Pumps, steam and other power.....	166	22,155	16,813	48	6,738	5	3,369	17	370	
261 Refrigerators.....	111	12,282	5,474	44	7,653	3	398	14	465	
262 Regalia and society badges and emblems.....	81	1,323	313	2	360			4	53	
263 Rice, cleaning and polishing.....	86	27,362	19,578	90	18,821	4	64	21	697	
264 Roofing materials.....	132	29,327	15,245	126	15,087	2	310	8	253	
265 Rubber goods, not elsewhere specified.....	404	354,188	200,300	298	93,183	57	101,326	20	3,267	
266 Rules, ivory and wood.....	10	299	211	1	150			3	86	
267 Saddlery and harness.....	1,026	8,212	1,669	25	1,379			55	282	
268 Safes and vaults.....	22	5,242	1,380	10	1,190	1	50	5	150	
269 Salt.....	75	42,187	25,345	220	26,289	59	4,910	48	981	
270 Sand and emery paper and cloth.....	11	3,977	3,120	21	3,080					
271 Sand-lime brick.....	31	4,248	3,818	23	3,770			8	45	
272 Sausage.....	566	12,713	2,618	69	2,022	3	26	26	509	
273 Saws.....	106	15,098	4,026	17	3,655			12	326	
274 Scales and balances.....	74	7,451	951	5	885	1	25	12	201	
275 Screws, machine.....	142	26,540	2,898	10	2,379			15	518	
276 Screws, wood.....	11	7,764	3,030	10	3,000					
277 Sewing-machine cases.....	5	10,656	10,000	13	2,240	4	7,170	3	1,000	
278 Sewing machines and attachments.....	35	21,379	15,620	26	8,115	2	10,000	4	179	
279 Shipbuilding, steel.....	187	475,587	97,795	312	22,898	21	41,166	98	2,671	
280 Shipbuilding, wooden.....	777	75,144	20,583	428	25,226	8	370	402	4,248	
281 Shirts.....	841	14,944	7,923	70	6,798	2	268	66	698	
282 Snow cases.....	109	4,423	912	19	600			7	112	
283 Signs and advertising novelties.....	206	7,720	2,188	22	2,698	1	49	26	266	
284 Silk goods.....	1,323	176,626	95,514	689	75,695	25	12,626	51	1,606	
285 Silversmithing and silverware.....	98	6,940	4,083	23	2,615	2	125	5	122	
286 Slaughtering and meat packing.....	1,004	329,212	240,609	1796	210,248	148	27,696	89	2,612	
289 Smelting and refining, copper.....	23	221,616	194,261	240	105,800	54	75,780	9	426	
290 Smelting and refining, lead.....	25	82,565	26,229	37	17,899	3	7,085	3	86	
292 Smelting and refining, zinc.....	29	72,604	60,096	163	26,202	29	25,099	49	2,264	
292x Smelting and refining metals.....	12	11,700	5,267	14	4,427	5	2,899			
293 Smelting and refining, not from the ore.....	61	7,921	2,025	22	2,119	1	489	11	424	
294 Soap.....	298	22,710	25,022	229	22,262	11	2,426	12	201	
295 Soda-water apparatus.....	55	4,146	1,116	6	721			5	225	
296 Sporting and athletic goods.....	154	6,275	2,042	17	2,100			15	275	
297 Springs, steel, car and carriage, etc.....	111	16,585	4,711	23	2,417			16	1,079	
298 Stamped and enameled ware, not elsewhere specified.....	215	51,441	26,194	123	20,122	6	500	62	2,498	
299 Stationery goods, not elsewhere specified.....	120	2,242	1,812	16	1,226	2	120	9	179	
300 Statuary and art goods.....	68	664	124	1	60			4	64	
301 Steam fittings and steam and hot-water heating apparatus.....	247	67,464	22,207	93	14,148	21	7,995	21	221	
302 Steam packings, including heat insulation.....	159	24,763	21,009	94	12,822	6	6,515	20	272	
302x Steel barrels, drums, etc.....	20	10,554	2,205	17	1,955			6	446	
303 Stencils and brands.....	64	274	28	1	18			2	5	
304 Stereotyping and electrotyping.....	198	9,512	495	1	25			3	51	
305 Stoves and hot-air furnaces.....	272	49,479	22,428	100	19,460	2	1,089	29	1,201	

CENSUS OF MANUFACTURES : 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Primary power.								Electric motors.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.					
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.		Number.	Horsepower.	Number.	Horsepower.	
48	49	50	51	52	53	54	55	56	57	58	59	
				1,061	320	1,068	6	329	1,073	9	18	256
2	400			83	6	83		6	83			267
17	2,015			3,806	263	3,508		464	6,526	201	3,022	268
5	200			7,808	978	7,308		1,111	8,514	123	1,211	269
2	90			11,343	1,067	11,263	60	1,329	14,906	262	3,694	290
				4,768	561	4,555	208	999	6,970	419	2,415	261
				1,030	364	1,008	12	418	1,202	54	194	262
				7,804	188	5,762	2,042	258	6,037	67	875	263
13	2,145			21,082	1,133	21,002	80	1,699	29,355	536	8,353	264
10	2,965	27	189	153,828	7,063	153,214	614	13,616	304,367	6,533	181,153	265
		1	5	88	12	88		12	88			266
1	36	1	2	6,013	1,890	6,006	7	1,925	6,851	35	245	267
				3,952	379	3,952		518	4,467	189	515	268
7	55			7,842	381	6,708	1,136	1,126	14,771	745	8,005	269
1	40			857	95	857		188	1,237	43	370	270
				540	23	540		26	560	3	20	271
				10,065	1,193	10,063	42	1,217	10,321	24	168	272
2	145			11,063	988	11,011	52	1,045	11,651	57	640	273
2	40			6,490	773	6,490	10	774	6,488	2	8	274
				19,643	2,496	19,619	23	2,616	21,791	118	2,172	275
				4,704	268	4,704		310	5,383	22	679	276
				56	13	56		222	4,809	310	4,453	277
6	382			2,710	297	2,692	18	1,640	18,717	1,343	16,025	278
				377,862	18,296	377,862		20,616	427,654	2,320	49,792	279
2	47	3	24	47,559	2,628	47,119	440	2,774	48,481	146	1,362	280
				7,012	2,539	6,958	54	3,111	9,491	572	2,533	281
				3,411	586	3,436	75	593	3,479	7	43	282
1	35	2	11	4,842	1,623	4,526	16	2,111	5,740	483	1,214	283
65	8,315	4	12	78,311	22,679	75,234	3,077	35,310	107,982	12,731	32,748	284
4	200			2,858	719	2,761	97	993	4,517	274	1,756	285
6	555	3	19	118,003	8,954	117,913	690	16,491	213,548	7,537	95,635	286
9	7,550			127,849	2,932	127,349		5,621	184,265	2,699	56,908	289
1	850			27,328	856	24,329	2,897	1,100	32,535	244	8,206	290
				13,508	639	13,508		2,171	52,996	1,532	39,488	292
				3,413	137	3,413		448	8,630	311	5,217	292
				4,896	494	4,896		505	6,847	11	1,951	293
1	40			8,689	1,097	8,673	10	4,177	30,649	3,080	21,977	294
				3,030	420	3,015	15	400	3,870	40	655	295
				3,830	601	3,735	95	837	4,265	186	530	296
3	210	3	5	11,674	1,291	11,849	25	1,373	13,247	82	1,396	297
3	64			26,377	2,990	25,119	158	3,819	36,778	859	8,657	298
4	285			6,529	2,263	6,529		2,582	7,504	319	975	299
				560	129	558	2	160	811	31	253	300
1	60			45,197	4,154	45,187	10	4,958	55,232	799	13,045	301
				5,754	625	5,746	8	1,518	17,635	893	12,069	302
				8,249	662	8,249		847	8,650	155	401	302
				351	140	351		143	360	3	9	303
8	400			9,147	3,310	9,032	115	3,310	9,032			304
3	100	1	2	26,988	2,736	26,915	71	3,674	36,329	938	9,414	305

CENSUS OF MANUFACTURES: 1919

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments.	Capital.	Salary and wage payments.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
306 Stoves, gas and oil.....	8176	\$45,734,309	\$16,879,062	\$649,911	\$614,874	\$2,435,467	\$12,573,680
307 Structural ironwork, not made in steel works or rolling mills.	1,146	210,470,095	83,030,414	6,809,938	4,563,377	12,339,967	59,920,183
308 Sugar, beet.....	85	224,584,679	20,336,074	763,948	1,801,088	1,862,920	18,908,118
309 Sugar, cane.....	202	55,117,137	5,674,817	444,894	726,842	491,743	4,009,369
310 Sugar, refining, not including beet sugar.....	20	193,540,528	28,182,651	1,102,808	1,297,612	3,042,069	22,710,464
311 Sulphuric, nitric, and mixed acids.....	39	51,160,004	10,066,048	395,158	652,475	981,884	7,916,531
312 Surgical appliances.....	268	33,063,371	10,184,043	844,356	644,072	2,611,469	6,084,143
313 Suspenders, garters, and elastic woven goods.....	196	39,676,879	12,861,203	1,231,424	814,899	1,554,760	9,370,130
314 Textile machinery and parts.....	432	129,797,903	44,637,469	2,631,878	2,406,217	3,071,175	36,638,739
315 Theatrical scenery.....	17	572,878	375,624	75,617	20,788	31,616	287,808
316 Tin foil and other foils, n. e. s.....	15	11,998,436	2,358,480	242,968	197,968	158,184	1,759,320
317 Tin plate and terneplate.....	24	34,315,066	6,926,403	101,212	511,800	558,914	5,756,417
318 Tinware, not elsewhere specified.....	301	198,396,695	42,703,287	1,519,077	2,156,018	4,541,798	34,468,369
319 Tobacco, chewing and smoking, and snuff.....	365	188,444,100	19,568,227	1,312,024	1,088,503	4,617,964	12,674,736
320 Tobacco, cigars, and cigarettes.....	9,926	416,366,472	133,705,785	4,248,919	6,048,323	12,100,196	111,312,343
321 Tools, not elsewhere specified.....	1,126	124,731,947	56,444,865	4,199,772	3,238,466	5,170,558	43,896,069
322 Toys and games.....	541	27,738,800	15,409,757	1,321,755	857,587	1,283,138	11,847,277
323 Trunks and valises.....	597	34,258,084	17,735,544	1,804,069	919,119	2,548,589	12,463,767
324 Turpentine and rosin.....	1,191	33,696,996	19,215,737	471,654	1,534,787	236,418	13,972,891
325 Type foundry.....	23	4,428,644	944,668	14,420	28,884	28,847	867,517
326 Typewriters and supplies.....	88	47,794,300	21,079,171	970,502	1,045,120	2,064,107	17,009,432
327 Umbrellas and canes.....	196	15,397,273	4,775,490	867,063	226,654	842,121	3,136,622
328 Upholstering materials, not elsewhere specified.....	163	32,556,564	6,305,783	596,902	449,862	571,049	4,687,307
329 Varnishes.....	229	62,461,021	12,820,712	2,428,924	1,268,800	4,558,200	4,867,728
330 Vault lights and ventilators.....	41	903,670	637,541	106,254	58,434	48,670	424,107
331 Vinegar and cider.....	720	20,514,590	3,215,456	300,749	267,602	399,705	2,047,469
332 Wall paper.....	48	19,921,577	5,649,731	571,740	263,226	382,369	3,892,366
333 Wall plaster and composition flooring.....	161	25,307,049	8,269,350	636,699	556,105	1,261,029	5,583,617
334 Washing machines and clothes wringers.....	105	25,986,355	9,183,461	758,113	497,366	1,496,604	6,431,378
335 Waste.....	92	19,472,471	3,339,550	685,242	232,159	295,309	2,106,840
336 Watch and clock materials.....	27	1,020,628	527,821	42,340	26,226	46,426	412,830
337 Watch cases.....	33	21,790,556	5,317,462	397,982	308,806	610,047	4,000,727
338 Watches.....	18	49,000,742	18,295,926	244,916	814,563	637,581	16,598,896
340 Wheelbarrows.....	11	1,151,067	412,553	67,598	21,929	51,584	271,442
341 Whips.....	26	2,461,021	1,013,748	74,881	40,906	315,731	582,320
342 Windmills, not elsewhere specified.....	31	10,004,863	2,939,681	206,674	153,042	408,764	2,145,301
343 Window and door screens and weather strips.....	214	9,749,337	2,872,636	364,800	189,309	271,759	2,046,768
344 Window shades and fixtures.....	287	18,696,914	5,443,183	256,842	413,809	1,008,116	3,666,286
345 Wire.....	66	102,016,777	34,744,073	956,424	1,807,622	2,980,360	29,286,667
346 Wirework.....	558	65,290,309	21,584,549	2,141,819	1,366,361	2,541,377	15,505,992
348 Wood distillation.....	115	42,334,603	6,632,266	457,164	493,312	372,091	5,309,689
349 Wood preserving.....	73	28,138,079	5,635,516	406,066	376,621	510,582	4,242,277
350 Wood, turned and carved.....	722	23,542,246	11,499,293	928,143	770,714	493,196	9,307,243
351 Wooden goods, not elsewhere specified.....	245	21,110,717	6,873,355	442,977	336,027	432,677	5,661,674
352 Wool pulling.....	24	8,853,437	1,192,996	98,311	97,024	86,873	909,788
353 Wool scouring.....	33	10,049,960	3,623,627	375,848	147,833	203,468	2,696,458
354 Wool shoddy.....	78	16,990,722	3,670,392	458,777	294,158	264,288	2,653,169
355 Woolen goods.....	660	273,973,670	79,736,922	5,842,664	4,757,429	2,540,003	66,696,836
356 Worsted goods.....	292	557,721,078	119,353,515	6,969,383	5,939,465	4,941,812	101,512,655
All other industries ¹	5	131,353	98,336	.....	3,675	4,363	89,796

¹ All other industries comprise: Straw goods, not elsewhere specified, 1 establishment; whalebone cutting, 1; wood carpet, 3.

CENSUS OF MANUFACTURES: 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	Rent and taxes.				Cost of materials used.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
\$26,797	\$9,691,625	\$134,428	\$2,203,899	\$333,308	\$24,471,970	\$23,899,577	\$579,393	\$55,792,029	306
1,048,786	7,493,686	780,449	5,389,083	1,373,126	168,800,715	165,028,168	3,772,547	294,963,419	307
796,772	11,480,299	7,414	9,927,177	1,516,706	87,029,144	81,680,540	5,378,604	149,155,892	308
27,968	1,142,347	11,496	627,786	572,993	44,148,416	42,161,296	1,987,120	57,741,320	309
67,523	6,561,582	85,056	5,268,522	1,288,224	663,143,981	653,374,880	9,769,101	780,986,706	310
47,867	1,071,605	47,396	665,763	338,446	15,857,361	13,785,042	2,122,319	31,470,480	311
114,114	1,431,446	229,353	1,052,437	149,656	22,213,631	21,834,163	379,468	43,533,860	312
469,537	2,678,326	229,899	2,178,889	259,668	36,399,218	35,886,299	482,919	60,774,652	313
178,686	6,502,215	308,483	5,312,906	880,837	45,636,628	44,694,714	1,541,914	122,069,264	314
10,128	22,066	15,533	3,477	3,056	504,655	500,584	4,071	1,067,033	315
	786,957	126,484	563,966	76,507	13,007,990	12,836,306	171,684	17,920,834	316
297	1,863,352	5,425	1,824,151	33,776	73,422,649	73,036,400	384,189	97,404,730	317
199,524	7,306,904	521,012	5,991,533	884,359	165,170,755	163,671,935	1,498,801	233,964,000	318
71,332	69,641,239	242,089	62,604,048	795,102	130,270,388	129,419,466	850,922	239,270,718	319
922,926	189,005,297	3,343,699	183,492,067	2,169,611	353,297,366	351,827,204	1,470,162	773,692,495	320
322,710	10,319,219	798,915	8,426,372	1,091,932	45,796,967	43,112,384	2,684,583	144,291,668	321
233,784	7,271,069	639,988	470,063	170,086	19,841,498	19,368,200	473,298	45,656,803	322
40,031	2,139,249	723,594	1,072,055	343,599	33,222,432	32,959,431	263,001	63,632,266	323
425,407	854,328	34,869	473,248	346,211	13,929,888	13,684,976	274,912	53,051,284	324
750	79,226	18,364	8,337	52,525	943,245	939,790	49,465	2,089,757	325
8,083	3,489,641	117,219	3,058,072	395,350	16,143,662	15,766,655	377,007	52,737,661	326
218,832	619,491	224,398	336,071	49,022	15,632,989	15,479,989	153,009	25,398,826	327
9,905	1,120,219	94,053	903,915	122,242	25,448,893	24,939,596	518,297	39,899,711	328
39,899	2,067,787	196,779	1,476,275	394,733	51,596,256	50,982,299	613,956	83,632,424	329
6,435	37,108	28,928	3,388	4,792	810,579	796,556	12,021	2,155,864	330
19,470	761,962	74,793	519,607	167,562	15,556,525	15,298,351	258,174	24,722,610	331
33,486	311,199	129,600	198,424	82,085	13,152,593	12,855,155	297,438	23,047,991	332
2,966	524,678	115,092	289,711	128,870	11,821,465	10,483,141	1,338,324	26,874,657	333
27,517	718,327	88,799	543,331	86,197	23,389,925	23,167,961	221,064	40,771,285	334
2,000	684,379	94,231	439,452	189,696	22,144,087	21,999,849	234,238	29,790,492	335
11,028	52,418	14,196	29,796	8,422	549,521	531,126	18,395	1,341,077	336
27,575	1,396,444	28,048	1,299,140	78,256	8,296,754	8,066,887	146,867	19,618,773	337
226,794	2,163,616	13,884	1,818,934	339,796	6,392,562	6,199,014	293,548	32,044,299	338
	71,582	12,069	49,056	10,478	971,096	954,393	16,703	1,679,538	340
13,287	79,364	19,263	27,072	24,117	1,096,642	1,063,512	33,130	2,996,235	341
1,312	449,941	24,080	349,984	74,897	4,969,426	4,813,861	146,565	9,932,585	342
6,888	645,436	78,044	591,835	65,589	4,897,389	4,798,429	98,960	10,932,857	343
10,812	1,045,132	191,832	738,416	114,864	18,249,540	17,892,052	357,488	29,190,649	344
774,423	3,696,531	64,548	2,895,090	636,898	102,813,591	98,678,068	4,235,523	162,151,236	345
126,213	4,583,184	419,414	3,670,281	593,489	59,754,070	49,767,178	986,892	99,549,245	346
327,473	1,290,325	22,633	861,940	375,747	29,059,631	17,772,439	2,287,221	33,545,314	348
93,177	744,395	25,097	518,072	291,036	23,241,858	22,458,984	782,874	33,239,313	349
139,349	776,834	197,926	403,693	175,395	16,609,215	16,399,563	299,652	34,847,139	350
24,211	579,522	75,867	292,453	211,182	19,173,333	9,989,611	192,742	21,793,291	351
13,636	189,694	39,641	118,318	41,345	12,896,592	12,739,810	78,782	17,361,231	352
4,693	599,497	59,889	375,897	73,771	7,323,350	6,789,007	439,343	13,679,584	353
14,695	758,359	54,789	563,463	149,096	16,076,315	15,572,310	504,005	23,354,398	354
1,196,852	16,791,225	484,512	14,902,513	2,094,299	217,963,353	212,189,028	5,776,395	364,896,599	355
8,013,969	37,218,556	687,932	32,961,528	3,679,999	447,626,359	438,907,587	9,621,763	799,537,482	356
2,719	8,199	7,979	28	197	199,699	194,812	4,776	361,431	

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Proprietors and firm members.		Number of salaried employees.						
			Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18		19	20	21	22	23	24	25
306 Stoves, gas and oil.....	97	2	2,114	188	4	284	1	1,112	530
307 Structural ironwork, not made in steel works or rolling mills.....	705	16	11,522	1,108	28	1,073	13	6,009	1,916
308 Sugar, beet.....	1	.....	2,408	112	1	557	1	1,265	471
309 Sugar, cane.....	146	19	770	150	.....	316	.....	281	23
310 Sugar, refining, not including beet sugar.....	4	2	2,718	47	.....	316	2	1,614	534
311 Sulphuric, nitric, and mixed acids.....	.....	.....	899	40	.....	245	9	407	198
312 Surgical appliances.....	205	14	2,344	127	13	221	34	1,083	866
313 Suspenders, garters, and elastic woven goods.....	171	8	1,430	122	8	268	44	549	439
314 Textile machinery and parts.....	327	27	3,949	370	20	828	12	1,714	1,005
315 Theatrical scenery.....	6	.....	75	22	1	14	.....	20	18
316 Tin foil and other foils, n. e. s.....	3	.....	258	31	2	60	3	72	30
317 Tin plate and ternoplate.....	9	.....	555	9	.....	163	175	173	85
318 Tinware, not elsewhere specified.....	172	8	4,393	244	8	703	26	2,204	1,210
319 Tobacco, chewing and smoking, and snuff.....	309	16	3,819	188	7	432	5	2,510	677
320 Tobacco, cigars, and cigarettes.....	10,061	403	11,860	799	26	3,322	509	5,284	1,920
321 Tools, not elsewhere specified.....	821	35	7,701	2,455	40	1,244	7	1,949	2,008
322 Toys and games.....	435	34	1,813	315	11	409	34	427	617
323 Trunks and valises.....	574	27	2,145	343	17	366	15	937	467
324 Turpentine and rosin.....	1,433	27	1,566	149	.....	1,197	1	214	5
325 Type founding.....	11	.....	49	6	.....	10	1	18	14
326 Typewriters and supplies.....	34	3	2,368	95	8	302	3	732	1,228
327 Umbrellas and canes.....	221	11	573	84	1	72	6	266	144
328 Upholstering materials, not elsewhere specified.....	119	4	687	110	2	167	1	282	145
329 Varnishes.....	69	3	3,291	343	17	362	10	1,741	818
330 Vault lights and ventilators.....	25	1	115	32	2	21	1	29	30
331 Vinegar and cider.....	715	9	628	146	12	139	3	203	125
332 Wall paper.....	3	.....	833	118	2	102	4	280	217
333 Wall plaster and composition flooring.....	26	2	1,288	165	4	220	2	682	265
334 Washing machines and clothes wringers.....	39	1	1,559	143	5	229	3	750	413
335 Waste.....	57	.....	431	107	6	89	2	118	117
336 Watch and clock materials.....	24	.....	72	12	.....	10	1	15	34
337 Watch cases.....	15	.....	672	46	6	82	4	221	313
338 Watches.....	3	.....	951	24	.....	265	10	218	444
340 Wheelbarrows.....	6	1	74	13	1	13	.....	32	15
311 Whips.....	24	2	169	11	1	13	.....	108	41
312 Windmills, not elsewhere specified.....	10	.....	441	43	1	87	.....	211	99
343 Window and door screens and weather strips.....	192	5	406	93	.....	73	2	134	104
344 Window shades and fixtures.....	248	10	825	88	5	165	4	306	255
345 Wire.....	12	1	2,482	119	3	474	3	1,295	583
346 Wirework.....	439	18	2,659	390	19	525	6	1,061	658
348 Wood distillation.....	25	3	660	124	4	243	.....	204	85
349 Wood preserving.....	1	.....	636	74	5	165	2	291	99
350 Wood, turned and carved.....	684	24	1,266	288	7	499	4	222	246
351 Wooden goods, not elsewhere specified.....	174	3	667	128	8	169	2	229	131
352 Wool pulling.....	23	.....	111	22	.....	33	.....	42	14
353 Wool scouring.....	9	.....	221	37	1	52	9	70	52
354 Wool shoddy.....	61	3	326	69	1	90	3	107	56
355 Woolen goods.....	243	15	3,805	708	21	1,434	66	894	682
356 Worsted goods.....	128	4	5,413	489	18	1,668	44	2,048	1,146
All other industries.....	5	.....	5	.....	.....	2	.....	3	.....

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Industry.	Number of establishments reporting horse-power.	Primary power.							
		Aggregate horse-power.	Owned.						
			Total horse-power.	Steam engines.		Steam turbines.		Internal-combustion engines.	
				Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.
39	40	41	42	43	44	45	46	47	
306 Stoves, gas and oil.....	147	11,295	4,703	25	1,150	1	150	23	391
307 Structural ironwork, not made in steel works or rolling mills.....	1,073	165,347	50,768	278	37,795	6	1,995	236	10,768
308 Sugar, beet.....	85	127,394	117,763	624	103,697	35	13,772	19	250
309 Sugar, cane.....	186	101,851	101,859	1,090	97,943	13	880	172	3,028
310 Sugar, refining, not including beet sugar.....	19	52,541	52,181	265	32,278	31	19,903		
311 Sulphuric, nitric, and mixed acids.....	37	30,637	14,452	107	8,737	20	3,935	15	1,755
312 Surgical appliances.....	182	12,387	8,266	23	5,085	4	2,625	8	151
313 Suspenders, garters, and elastic woven goods.....	179	9,028	3,709	25	2,859	2	160	3	55
314 Textile machinery and parts.....	417	41,997	23,704	134	17,755	5	2,492	50	862
315 Theatrical scenery.....	12	104							
316 Tin foil and other foils, n. e. s.....	15	6,991	1,915	8	1,635			3	80
317 Tin plate and terneplate.....	23	18,697	17,437	25	12,216	5	5,213	1	8
318 Tinware, not elsewhere specified.....	236	30,499	12,540	104	11,273	3	-277	30	978
319 Tobacco, chewing and smoking, and snuff.....	217	18,893	15,351	162	14,980	2	46	8	43
320 Tobacco, cigars, and cigarettes.....	1,052	24,504	13,609	86	10,901	8	2,236	24	302
321 Tools, not elsewhere specified.....	1,072	68,381	25,510	105	13,264	9	3,580	148	5,367
322 Toys and games.....	452	14,449	6,903	42	4,680	2	840	45	601
323 Trunks and valises.....	438	7,703	4,614	41	4,335	2	130	10	159
324 Turpentine and rosin.....	504	2,303	2,287	243	1,266	10	47	269	884
325 Type founding.....	20	850	668	4	648			2	20
326 Typewriters and supplies.....	83	13,066	9,429	34	6,222	6	3,166	3	41
327 Umbrellas and canes.....	176	3,383	2,517	13	2,314	2	150	9	53
328 Upholstering materials, not elsewhere specified.....	180	19,826	11,228	105	9,400			12	101
329 Varnishes.....	191	11,497	4,914	69	4,743			10	111
330 Vault lights and ventilators.....	29	279	18					2	18
331 Vinegar and cider.....	673	17,943	13,006	271	7,783	5	80	295	2,806
332 Wall paper.....	48	8,158	5,159	45	4,862	2	265	2	32
333 Wall paper and composition flooring.....	137	32,356	13,993	85	12,307	1	150	23	1,352
334 Washing machines and clothes wringers.....	99	8,836	3,259	16	2,929			15	248
335 Waste.....	88	11,391	4,305	22	2,165	3	1,266	15	439
336 Watch and clock materials.....	24	252	156	1	100			2	50
337 Watch cases.....	33	4,275	3,294	11	2,040			6	1,004
338 Watches.....	16	7,202	6,475	22	5,900	2	140	3	435
340 Wheelbarrows.....	11	765	490	10	490				
341 Whips.....	22	853	255	3	175			2	45
342 Windmills, not otherwise specified.....	30	4,761	4,223	21	2,860			10	203
343 Window and doors screens and weather strips.....	187	7,530	5,104	21	4,043	2	409	30	337
344 Window shades and fixtures.....	197	8,948	6,429	19	2,460	3	3,525	6	114
345 Wire.....	66	119,461	64,371	101	36,021	28	25,645	8	1,966
346 Wirework.....	433	29,074	12,331	62	10,370	1	200	77	1,266
348 Wood distillation.....	93	15,938	13,655	198	10,254	11	2,482	35	810
349 Wood preserving.....	68	16,269	15,322	211	15,060	3	219	8	43
350 Wood, turned and carved.....	653	39,058	32,299	384	26,940	3	100	91	2,515
351 Wooden goods, not elsewhere specified.....	228	25,906	20,919	123	17,123	5	2,273	49	629
352 Wool pulling.....	23	2,162	1,590	19	1,320			1	150
353 Wool scouring.....	32	9,730	6,740	26	5,705	2	160		
354 Wool shoddy.....	77	16,094	9,569	44	6,414	1	130	2	76
355 Woolen goods.....	552	172,947	133,781	436	74,876	13	10,623	39	1,577
356 Worsted goods.....	283	295,833	256,159	433	123,393	73	103,074	6	216
All other industries.....	3	154	184	1	150			1	4

CENSUS OF MANUFACTURES : 1919.

SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Primary power.								Electric motors.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other horsepower.					
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.		Number.	Horsepower.	Number.	Horsepower.	
48	49	50	51	52	53	54	55	56	57	58	59	
1	2			6,502	941	6,597	5	1,276	8,941	335	2,354	305
2	205	1	5	114,579	9,600	114,411	168	14,218	106,460	4,618	52,049	307
1	35			9,631	457	9,631		2,408	44,871	1,949	35,240	308
1	8			2			2	108	2,288	108	2,288	309
				300	3	300		3,923	54,668	3,920	54,308	310
1	26			16,185	795	16,185		1,509	28,091	714	11,906	311
4	435			4,091	702	4,096	5	1,313	8,999	611	4,913	312
9	635			5,319	1,487	5,219	100	2,025	6,600	538	1,381	313
41	2,665			18,268	1,874	18,040	263	2,630	37,338	756	9,298	314
				104	42	104		42	104			315
				5,076	266	5,076		355	7,013	89	1,937	316
				1,260	145	1,260		581	8,943	436	7,683	317
2	12			17,959	3,002	17,964	265	5,390	26,770	2,888	9,076	318
9	279	3	3	3,542	449	3,542		1,164	10,249	715	6,707	319
		2	120	10,895	2,933	10,888	7	4,060	17,628	1,127	6,740	320
54	3,297	1	2	42,871	4,584	42,220	651	5,164	50,494	580	8,274	321
23	678	4	14	7,546	1,065	7,520	26	1,969	8,908	174	1,388	322
				3,099	804	3,082	7	1,141	5,123	337	2,041	323
10	10	6	20	46	5	19	27	5	19			324
				182	85	177	5	597	1,145	512	968	325
				3,637	546	3,625	12	1,152	10,004	608	6,379	326
				866	491	840	26	519	1,215	28	375	327
25	1,728			8,598	667	8,394	204	695	8,798	28	404	328
		6	60	6,583	898	6,583		1,138	8,388	240	1,805	329
				261	54	251	10	54	251			330
81	2,307	5	30	4,937	656	4,937		763	6,464	107	1,527	331
				2,999	333	2,964	35	507	4,687	174	1,723	332
2	184			18,363	800	18,363		1,024	23,856	224	5,493	333
3	81	1	1	5,577	626	5,557	20	701	6,161	76	604	334
6	435			7,066	410	6,999	87	431	7,904	21	905	335
1	6			96	37	96		37	96			336
1	250			981	169	981		509	3,085	340	2,104	337
				727	174	727		985	4,192	811	3,465	338
				275	26	275		99	410	73	135	340
2	35			598	90	598		81	599	1	1	341
7	410	1	750	538	80	463	75	225	2,069	145	4,626	342
2	140	2	175	2,426	430	2,411	15	596	4,061	166	1,640	343
4	300			2,519	602	2,517	2	1,073	7,785	361	5,268	344
10	639			55,180	2,148	55,030	180	3,329	86,646	1,181	31,616	345
5	495			16,743	2,364	16,705	38	3,581	22,917	1,217	6,212	346
10	109			2,283	147	1,533	750	291	4,811	144	3,278	348
				947	58	782	165	189	3,220	131	2,438	349
84	2,674	1	70	7,659	949	7,423	236	1,384	10,146	435	2,723	350
24	851	3	43	4,987	568	4,955	32	938	8,324	370	3,369	351
2	120			572	50	572		61	732	11	160	352
8	875			3,050	301	2,970	80	345	3,544	44	574	353
46	2,949			7,125	326	6,998	127	392	9,199	66	2,201	354
466	46,704	1	1	39,166	3,306	38,410	756	5,634	84,201	2,326	25,791	355
149	29,476			39,374	4,024	37,869	1,505	12,299	166,919	8,275	129,050	356