

CHARACTER OF OWNERSHIP.

Character of ownership, by industries (Table 25).—Statistics concerning the character of ownership, or legal organization, of manufacturing enterprises are given in Table 25 for all industries combined and for 343 industries for which separate figures can be shown. A few industries distinguished by the Bureau of the Census are included in "All other industries," to avoid disclosing operations of individual concerns

The table shows, for the censuses of 1919 and 1914, the number of establishments under each form of ownership, the average number of wage earners, and the value of products for the establishments in each group. The statistics of ownership in the group "All others" include establishments operated by firms, cooperative associations and miscellaneous forms of ownership that could not be classed as "Individuals" or "Corporations."

In some industries, in order to avoid disclosing operations of individual establishments, the figures of a certain group have been consolidated with those of a larger group. In such a case an "x" is placed in the column from which the figures have been omitted and the figures with which they have been consolidated are printed in italics. In the total for all industries combined, each establishment is classified under its proper group.

Establishments operated by individuals form 47.6 per cent of the total establishments reporting in 1919, and 51.6 per cent in 1914. Of the 138,112 establishments in 1919 owned by individuals, practically 50 per cent were engaged in the manufacture of bread and bakery products, lumber and timber products, printing and publishing papers, automobile repairing, manufacture of tobacco, cigars and cigarettes, and book and job printing and publishing.

Table 25 shows that in industries where a large investment in plant and machinery is necessary to the proper conduct of the business, the establishments are, as a rule, operated by corporations. All of the establishments engaged in the manufacture of belting and hose, rubber; linen goods; pencils, lead; screws, wood; smelting and refining, copper; smelting and refining, zinc; and sulphuric, nitric, and mixed acids were operated by corporations in 1919.

While the establishments under corporate form of ownership formed but 31.5 per cent of the total number of establishments in 1919, they gave employment to 86.6 per cent of the total number of wage-earners, and produced 87.7 per cent of all manufactured products, as compared with 28.3 per cent, 80.3 per cent, and 83.2 per cent, respectively, in 1914.

Character of ownership, by geographic divisions and states (Table 26).—The number of manufacturing establishments owned by individuals, corporations, and other classes are given in Table 26 for all industries combined in each division and state for 1919 and 1914.

The table shows the number of wage earners employed, and value of products for each class, together with the per cent each forms of the total.

The table shows that the establishments under corporate ownership have increased 17.1 per cent from 1914 to 1919, while establishments owned by individuals and "All others" have decreased not only in number, but in wage earners employed.

These conditions prevailed in the New England, Middle Atlantic, East North Central, and East South Central divisions, but in the southern and western divisions a general increase is shown for establishments under all three groups.

MANUFACTURES.

TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an '(x)' is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—	AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.		
			Total.	In establishments Owned by—			Total.	Of establishments owned by—			
				Individ- uals.	Cor- pora- tions.	All others.		Individ- uals.	Corpora- tions.	All others.	
All industries	1919	138,112	81,517	60,476	9,066,372	623,469	7,875,132,597,771	62,418,078,773	3,536,321,836	54,744,392,855	4,137,364,082
	1914	142,436	78,152	55,203	7,036,247	707,568	5,649,891,678,788	24,246,434,724	1,925,518,298	20,183,147,103	2,137,769,323
Aeroplanes, seaplanes, and air-ships, and parts	1919	3	26	2	3,543	65	3,478	(x)	14,372,643	275,090	14,096,963
	1914	3	10	3	168	6	157	5	789,872	16,381	761,111
Agricultural implements	1919	139	308	74	54,368	546	53,029	793	304,961,265	2,391,965	297,301,904
	1914	188	318	95	48,459	819	46,233	1,407	164,086,835	2,087,503	157,490,390
Aluminum manufactures	1919	8	65	10	11,402	63	11,211	128	75,277,948	244,407	74,390,005
	1914	5	28	4	4,614	12	4,572	30	19,597,465	35,874	19,521,140
Ammunition	1919	38	4	22,816	.....	22,638	118	88,038,223	.....	87,895,531	142,802
	1914	3	24	5	11,493	138	11,214	111	30,840,472	126,568	30,535,656
Artificial flowers	1919	134	46	44	4,133	1,595	1,627	916	16,143,165	6,010,448	6,306,828
	1914	137	33	47	4,808	1,697	1,339	1,772	7,614,049	2,701,209	2,147,494
Artificial limbs	1919	102	50	25	671	183	408	80	3,271,406	878,310	2,007,255
	1914	80	52	21	488	174	223	91	1,498,154	449,371	711,970
Artificial stone products	1919	1,607	533	645	8,378	2,657	4,225	1,406	33,664,332	10,495,006	17,132,138
	1914	2,028	594	926	10,255	3,861	4,352	2,042	21,933,630	7,827,290	9,750,900
Artists' materials	1919	31	24	3	926	103	823	(x)	5,507,656	505,670	4,941,986
	1914	22	17	5	604	83	375	146	3,237,729	284,630	2,014,860
Asbestos products, not including steam packing	1919	7	37	2	3,654	38	3,616	(x)	23,977,557	178,938	23,793,619
	1914	8	23	1	962	20	912	(x)	2,813,578	56,402	2,757,116
Automobile bodies and parts	1919	1,101	956	458	132,556	6,098	123,685	2,773	692,170,692	27,382,515	652,229,009
	1914	332	473	166	47,785	1,565	44,867	1,353	129,601,337	4,502,040	120,872,841
Automobile repairing	1919	8,747	2,240	4,520	55,061	22,019	21,129	11,913	221,652,159	85,668,855	87,961,450
	1914	1,797	639	777	12,562	4,425	5,747	2,390	29,920,151	10,503,076	13,224,383
Automobiles	1919	14	292	9	210,559	209	210,181	169	2,387,903,287	1,208,931	2,384,898,510
	1914	25	263	12	79,307	285	78,892	137	503,230,137	1,168,674	501,426,483
Awnings, tents, and sails	1919	561	196	138	6,028	1,609	3,730	689	45,690,390	9,268,773	30,615,552
	1914	579	164	145	5,073	1,867	2,590	616	18,133,326	5,935,221	10,140,801
Babbitt metal and solder	1919	28	75	15	2,372	99	2,155	118	59,016,983	932,408	55,566,950
	1914	29	64	16	1,035	75	901	59	19,179,976	509,276	17,405,403
Bags, other than paper, not including bags made in textile mills	1919	78	96	42	10,756	629	9,529	598	214,059,474	4,888,100	202,010,428
	1914	47	67	24	9,358	718	7,818	715	70,049,825	5,069,088	69,061,130
Bags, paper, exclusive of those made in paper mills	1919	19	48	8	4,168	226	3,694	248	47,263,990	1,251,029	43,786,339
	1914	12	40	7	3,505	85	3,165	255	17,602,543	272,273	16,405,672
Baking powders and yeast	1919	24	52	12	3,331	16	3,302	13	46,230,312	191,880	45,875,006
	1914	42	65	17	2,270	38	2,180	72	22,039,347	352,324	21,520,990
Baskets, and rattan and willow ware	1919	243	65	67	4,533	840	2,734	950	11,821,167	2,118,332	7,212,151
	1914	281	75	63	4,674	2,678	3,697	997	6,578,468	1,461,287	4,086,452
Bells	1919	2	6	2	237	22	215	(x)	950,956	133,080	817,876
	1914	2	8	2	445	53	392	(x)	939,625	188,481	(x)
Belting and hose, rubber	1919	15	.....	.....	5,826	.....	5,826	.....	34,210,540	.....	34,210,540
	1914	18	.....	.....	5,115	.....	5,115	.....	23,560,889	.....	23,560,889
Belting and hose, other than rubber	1919	6	31	4	2,479	95	2,278	106	19,176,277	406,912	18,100,992
	1914	3	24	4	952	17	833	102	4,440,775	26,587	4,140,471
Belting, leather	1919	37	112	23	2,765	253	2,377	135	40,480,654	2,754,142	36,128,595
	1914	45	88	18	2,951	230	2,617	84	23,035,951	1,711,244	20,028,404
Billiard tables, bowling alleys, and accessories	1919	23	17	9	2,191	82	1,962	57	15,733,047	419,317	14,985,109
	1914	30	16	8	1,433	86	1,276	91	4,894,081	254,684	4,374,158
Blacking, stains, and dressings	1919	78	97	45	2,455	392	1,985	108	25,284,072	3,197,437	10,855,659
	1914	81	73	43	1,796	344	1,108	314	9,881,504	1,712,007	6,190,488
Bluing	1919	26	21	10	360	77	229	54	2,731,277	464,331	1,803,425
	1914	37	19	10	254	60	132	62	1,184,045	205,691	719,230
Bone, carbon, and lamp black	1919	6	26	3	675	199	536	(x)	6,186,204	1,488,192	4,698,012
	1914	7	18	2	339	71	268	(x)	1,403,569	383,480	1,075,089
Bookbinding and blank-book making	1919	586	291	236	20,361	4,034	13,727	2,600	66,020,677	11,381,293	47,427,127
	1914	624	289	211	21,693	5,413	13,673	2,607	38,104,368	7,249,074	27,109,950
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories	1919	98	95	59	9,715	1,113	7,504	1,098	161,203,310	12,314,937	122,798,117
	1914	114	66	56	7,619	1,283	5,362	1,174	59,994,523	7,174,374	38,685,147
Boot and shoe findings, exclusive of those produced in boot and shoe factories	1919	174	143	110	8,941	1,691	5,038	2,212	62,825,408	11,015,577	34,803,174
	1914	169	101	99	6,714	1,601	3,311	1,602	28,303,186	6,038,976	15,541,480
Boots and shoes, not including rubber boots and shoes	1919	238	898	223	211,049	11,580	184,167	15,302	1,155,041,436	50,983,920	1,017,908,259
	1914	287	866	282	191,555	12,469	148,887	30,199	501,700,468	28,188,732	394,709,381

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TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen- sus Year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.				
					In establishments owned by—							
		Indi- vid- uals.	Cor- pora- tions.	All others	Total.	Indi- vid- uals.	Cor- pora- tions.	All others.	Total.	Individ- uals.	Corpora- tions.	All others.
Boots and shoes, rubber.....	1919	1	24	.....	32,875	(x)	32,875	.....	Dollars.	Dollars.	Dollars.
	1914	2	21	.....	18,687	(x)	18,687	.....	116,917,434	(x)	116,917,434
									53,822,123	(x)	53,822,123	
Boxes, cigar.....	1919	97	52	40	5,213	1,789	2,325	1,104	13,110,213	4,100,427	6,113,301	
	1914	125	59	54	5,835	1,941	2,607	1,287	8,336,007	2,645,135	3,787,777	
											1,903,995	
Boxes, paper and other, not elsewhere specified.....	1919	318	692	101	55,842	6,250	44,757	4,846	206,419,343	17,253,222	174,405,722	
	1914	322	545	176	45,311	6,804	33,415	5,092	74,711,047	9,472,708	56,602,314	
											8,636,025	
Boxes, wooden packing, except cigar boxes.....	1919	370	552	218	42,445	3,631	33,934	4,880	177,818,454	17,419,485	149,301,884	
	1914	454	491	228	38,548	4,819	29,407	4,322	88,566,807	10,913,049	66,445,926	
											9,207,232	
Brass, bronze, and copper products.....	1919	302	555	175	75,051	3,216	70,151	1,684	482,312,790	18,441,882	453,075,790	
	1914	396	412	184	40,306	3,023	35,505	1,773	162,199,019	9,102,410	146,925,064	
											6,171,545	
Bread and other bakery products.....	1919	19,740	1,748	3,607	141,592	51,631	76,008	13,953	1,151,596,318	431,205,566	596,550,903	
	1914	21,618	1,188	3,159	124,052	58,721	54,050	19,281	491,893,025	221,885,551	216,119,981	
											53,887,493	
Brick and tile, terra-cotta, and fire-clay products.....	1919	508	1,415	401	76,915	6,757	64,857	5,301	208,422,920	15,621,257	179,095,183	
	1914	1,026	1,538	677	100,182	10,722	80,770	8,690	133,921,445	12,209,359	112,834,699	
											10,877,387	
Brooms.....	1919	678	154	202	6,313	1,912	3,254	1,147	30,205,267	9,611,939	14,585,499	
	1914	565	113	190	5,642	1,733	2,839	1,070	14,084,959	4,080,546	6,693,835	
											3,310,578	
Brushes.....	1919	170	135	68	7,968	844	5,367	1,757	39,005,607	4,103,608	26,394,991	
	1914	184	113	62	7,213	1,155	4,738	1,320	17,894,476	2,798,959	11,020,994	
											3,468,523	
Butter.....	1919	845	1,070	1,823	17,641	1,677	11,497	4,467	583,163,011	50,923,390	348,528,290	
	1914	1,109	1,160	2,087	14,149	2,100	7,784	4,295	245,379,371	32,992,000	123,635,734	
											88,751,637	
Buttons.....	1919	255	167	135	15,577	2,130	11,760	1,687	41,840,459	5,849,799	31,108,265	
	1914	235	145	137	14,511	2,308	10,021	2,182	20,711,979	3,011,907	14,524,949	
											3,173,123	
Candles.....	1919	5	11	3	541	17	494	30	3,350,806	170,325	3,004,701	
	1914	3	8	4	387	12	338	37	1,730,723	50,012	1,524,586	
											147,125	
Canning and preserving, fish.....	1919	94	246	70	11,248	1,223	9,214	811	77,284,412	5,730,212	68,069,033	
	1914	97	183	50	9,069	750	7,748	576	31,111,409	2,115,537	27,533,562	
											1,462,310	
Canning and preserving, fruits and vegetables.....	1919	1,222	1,015	845	60,865	7,764	41,300	11,801	402,242,972	32,588,727	298,475,802	
	1914	1,483	856	814	50,325	8,276	34,309	7,080	149,175,865	15,377,234	116,820,001	
											16,978,630	
Canning and preserving, oysters.....	1919	22	29	14	1,189	266	707	216	2,976,011	534,416	2,152,325	
	1914	25	28	12	2,087	639	1,275	173	2,238,053	638,670	1,446,292	
											153,091	
Card cutting and designing.....	1919	37	22	16	1,148	517	272	758	118	5,323,349	1,036,029	
	1914	31	10	17	1,148	517	242	195	80	473,233	3,014,366	
											672,954	
Cardboard, not made in paper mills.....	1919	2	14	.....	1,425	(x)	1,425	.....	9,138,415	(x)	9,138,415
	1914	2	14	2	1,150	(x)	1,078	81	4,360,347	(x)	4,144,894	
											205,463	
Carpets and rugs, other than rag.....	1919	11	49	15	22,933	321	20,806	1,806	123,253,828	2,721,642	107,681,235	
	1914	15	60	22	31,309	690	26,567	4,082	69,128,185	2,096,442	57,126,682	
											9,905,051	
Carpets, rag.....	1919	242	32	65	2,016	836	612	598	5,597,057	2,136,775	1,749,401	
	1914	359	34	70	2,130	1,008	534	588	2,786,439	1,391,016	603,251	
											792,172	
Carriage and wagon materials.....	1919	100	111	47	6,509	512	5,628	369	26,765,316	1,812,039	23,221,758	
	1914	161	214	81	11,087	763	9,511	813	24,849,560	1,040,493	21,185,649	
											2,014,418	
Carriages and sleds, children's.....	1919	40	51	12	6,686	417	6,211	58	24,506,506	1,591,436	22,676,174	
	1914	30	51	11	5,900	355	5,413	102	11,751,623	963,192	10,577,788	
											210,643	
Carriages and wagons, including repairs.....	1919	1,533	249	504	18,173	3,799	12,138	2,238	91,463,225	13,654,297	68,712,274	
	1914	3,030	534	1,037	41,394	11,123	23,962	6,219	106,697,437	22,027,459	70,914,587	
											13,755,391	
Cars and general shop construction and repairs by electric-railroad companies.....	1919	2	619	3	31,272	(x)	31,173	89	75,210,701	(x)	74,864,135	
	1914	2	644	3	26,384	(x)	26,357	27	38,576,585	(x)	38,531,810	
											44,749	
Cars and general shop construction and repairs by steam-railroad companies.....	1919	1,743	1	484,437	.....	484,437	(x)	1,278,235,393	165,428	513,875,799	(x)
	1914	3	1,339	339,518	97	339,421	514,041,225	165,428	513,875,799
											
Cars, electric-railroad, not including operations of railroad companies.....	1919	1	6	.....	2,920	(x)	2,920	.....	18,441,976	(x)	18,441,976
	1914	1	14	3,840	3,840	10,494,953	10,494,953
											
Cars, steam-railroad, not including operations of railroad companies.....	1919	98	1	52,298	.....	52,298	(x)	538,222,831	.....	538,222,831	(x)
	1914	100	3	54,288	.....	53,580	708	194,775,669	.....	192,557,346	2,218,323
											198,403	
Cash registers and calculating machines.....	1919	11	48	6	16,544	49	16,457	38	83,539,025	176,925	83,103,697	
	1914	9	42	1	8,956	45	8,911	30	30,519,587	87,205	30,432,382	(x)
											1,116,209	
Cement.....	1919	1	118	4	25,524	(x)	25,322	202	175,264,910	(x)	174,148,701	
	1914	6	124	3	27,016	198	27,098	20	101,750,444	448,240	101,251,855	56,349
											7,320	
Charcoal, not including production in the lumber and wood distillation industries.....	1919	21	16	4	200	86	123	.....	580,418	131,283	450,815
	1914	24	7	16	228	99	88	41	402,060	91,007	249,651	61,402
											61,402	
Cheese.....	1919	1,688	505	1,337	3,997	1,238	1,288	1,471	143,455,704	65,388,420	29,676,217	
	1914	1,700	342	1,040	2,908	1,180	1,272	1,001	61,744,779	28,147,118	8,558,777	15,038,884
											1,687,977	
Chemicals.....	1919	48	514	36	55,586	201	55,071	814	438,655,869	1,959,441	433,055,446	
	1914	44	325	26	32,311	147	31,974	190	158,053,602	892,905	155,272,720	3,643,982

MANUFACTURES.

TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italicics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-	SUS-	YEAR.	NUMBER OF ESTABLISHMENTS OWNED BY—	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
					In establishments owned by—			Total.	Individ-	Cor-
					Individ-	Cor-	All others.		uals.	por-
					uals.	por-	others.	Total.	Dollars.	Dollars.
Chewing gum.....	1919	8	47	7	3,190	91	3,007	92	51,240,156	49,943,350
	1914	19	53	2	2,048	94	1,854	(x)	17,159,007	267,916
China decorating, not including that done in pottery.....	1919	32	5	6	244	150	70	15	866,702	556,546
	1914	41	2	8	295	157	(x)	158	726,960	378,071
Chocolate and cocoa products.....	1919	3	40	5	9,083	(x)	8,770	513	130,258,296	(x)
	1914	4	27	5	4,160	61	3,913	186	35,712,810	1,497,514
Cleansing and polishing preparations.....	1919	215	224	60	1,955	248	1,559	148	26,703,109	2,039,938
	1914	173	162	63	1,239	190	899	150	9,151,718	865,699
Clocks.....	1919	7	37	2	8,252	11	8,241	(x)	23,380,190	47,475
	1914	10	28	—	6,754	62	6,692	—	11,031,720	169,175
Cloth, sponging and refinishing.....	1919	17	32	18	1,206	213	755	238	3,690,858	600,816
	1914	20	14	17	901	229	415	267	1,531,817	295,920
Clothing, horse.....	1919	8	13	7	766	89	584	98	6,020,612	447,909
	1914	16	16	5	1,669	160	1,143	366	5,150,482	527,418
Clothing, men's.....	1919	2,154	1,080	2,024	175,270	20,306	98,472	47,492	1,162,985,633	157,651,214
	1914	2,521	713	1,506	173,747	40,824	78,106	54,817	468,210,985	68,112,542
Clothing, men's, buttonholes.....	1919	76	4	27	484	207	126	151	1,090,049	443,897
	1914	106	2	31	672	362	(x)	310	637,728	339,219
Clothing, women's.....	1919	2,739	1,641	3,331	165,640	40,361	62,144	63,144	1,208,543,128	283,479,081
	1914	2,389	936	2,239	168,907	40,899	52,278	70,730	473,888,354	125,920,757
Coal-tar products ¹	1919	9	168	6	15,663	70	15,496	97	135,482,161	397,313
Coffee and spice, roasting and grinding.....	1919	218	440	136	10,540	774	8,327	1,430	304,791,677	12,837,297
	1914	206	375	115	8,549	793	6,506	1,250	150,748,756	7,834,602
Coffins, burial cases, and undertakers' goods.....	1919	73	235	43	11,390	560	10,421	909	64,377,133	2,099,584
	1914	69	177	41	9,468	509	8,377	582	26,325,162	1,195,370
Coke, not including gas-house coke.....	1919	20	251	7	29,319	507	28,664	148	316,515,838	6,037,170
	1914	19	205	7	21,107	503	20,433	171	98,275,020	2,997,794
Collars and cuffs, men's.....	1919	8	20	11	11,103	(x)	9,389	1,714	47,584,949	(x)
	1914	4	24	7	10,100	19	9,368	218	18,530,840	39,246
Combs and hairpins, except those made from metal or rubber.....	1919	17	22	6	2,229	414	1,509	306	6,566,365	1,355,509
	1914	20	34	12	2,773	313	2,175	285	5,478,196	692,075
Condensed milk.....	1919	11	373	17	13,675	301	12,053	321	330,506,774	7,840,234
	1914	10	173	7	6,002	60	5,588	54	68,161,000	886,842
Confectionery and ice cream.....	1919	3,486	1,555	1,583	95,648	12,680	72,865	10,103	637,200,168	85,955,945
	1914	2,667	1,060	1,027	61,986	11,429	43,712	6,645	209,668,056	39,564,073
Cooperage.....	1919	522	384	193	13,219	1,665	10,307	1,247	88,236,061	11,668,030
	1914	683	336	240	17,128	2,968	12,199	1,981	50,017,320	8,823,040
Copper, tin, and sheet-iron work.....	1919	2,920	914	962	27,640	8,652	14,614	4,374	160,313,945	40,972,598
	1914	2,761	791	975	28,714	6,496	14,179	5,039	94,890,599	26,246,695
Cordage and twine.....	1919	19	95	6	17,022	500	17,003	119	133,366,476	2,735,757
	1914	23	74	8	15,769	411	15,019	239	59,701,486	855,417
Cordials and flavoring syrups.....	1919	39	95	15	1,398	77	1,257	64	40,806,718	1,887,333
	1914	50	76	16	929	105	766	58	15,316,252	989,644
Cork, cutting.....	1919	17	39	6	3,545	89	3,412	44	16,282,239	595,358
	1914	21	29	2	3,454	93	3,361	(x)	7,875,407	240,844
Corsets.....	1919	64	109	15	18,415	722	15,185	2,508	75,641,959	2,686,143
	1914	57	91	19	20,496	309	17,106	3,081	40,550,702	737,129
Cotton goods.....	1919	67	1,164	57	430,966	2,582	424,402	3,982	2,125,272,183	11,772,663
	1914	75	1,021	83	378,366	3,641	365,404	10,321	676,569,115	2,000,733,347
Cotton lace.....	1919	3	39	2	6,490	59	6,451	(x)	29,396,853	183,859
	1914	3	35	3	7,440	191	7,070	179	13,206,785	290,025
Cotton small wares.....	1919	32	104	28	9,396	623	8,031	742	40,896,835	3,255,072
	1914	27	60	21	6,598	593	5,234	771	11,525,033	34,455,750
Crucibles.....	1919	2	20	—	848	(x)	848	—	5,293,688	9,284,024
	1914	—	9	1	302	—	302	(x)	1,886,129	1,880,129
Cutlery and edge tools.....	1919	86	182	36	19,559	584	18,651	624	66,629,570	1,747,849
	1914	80	143	29	16,561	708	16,109	744	25,340,987	63,339,679
Dairymen's, poultrymen's, and apiarists' supplies.....	1919	94	119	31	6,437	338	5,921	158	37,307,448	2,170,673
	1914	87	105	41	5,551	394	4,019	365	18,949,538	1,585,763
Dental goods.....	1919	171	80	68	5,224	768	3,843	613	29,401,896	3,207,507
	1914	78	60	34	3,080	281	2,471	328	16,159,839	943,921

1 Included in "chemicals" in 1914.

CHARACTER OF OWNERSHIP.

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TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
					Total.	In establishments owned by—		Total.	Of establishments owned by—	
		Individ-uals.	Cor-pora-tions.	All others.		Individ-uals.	Cor-pora-tions.		Individ-uals.	Corpora-tions.
Drug grinding.....	1919	7	19	5	1,347	44	1,265	88	Dollars.	Dollars.
	1914	7	16	6	1,059	31	933	75	16,937,698	189,254
Druggists' preparations.....	1919	150	323	51	15,568	901	14,229	438	114,593,456	16,174,223
	1914	100	261	55	9,277	473	8,432	372	48,009,654	115,176
Dyeing and finishing textiles, exclusive of that done in textile mills.....	1919	132	400	96	55,985	1,918	48,874	5,193	323,967,683	5,071,558
	1914	134	276	97	48,467	1,276	41,219	2,972	100,291,536	1,842,129
Dyestuffs and extracts—natural.....	1919	38	96	10	4,342	156	4,160	26	53,744,283	3,406,538
	1914	25	75	12	2,839	143	2,615	81	20,620,336	1,144,266
Electrical machinery, apparatus, and supplies.....	1919	218	1,066	120	212,374	1,661	209,704	1,009	997,968,110	9,127,570
	1914	196	753	81	118,078	2,240	115,055	753	335,170,194	6,469,529
Electroplating.....	1919	281	94	140	3,024	1,209	1,134	681	10,399,817	3,691,487
	1914	279	67	133	2,584	1,210	755	619	4,773,300	1,702,582
Emery and other abrasive wheels.....	1919	14	44	2	5,801	67	5,544	(x)	30,949,270	235,985
	1914	10	32	7	2,387	45	2,306	36	7,129,741	56,040
Enameling.....	1919	40	19	15	694	211	384	99	2,644,763	474,685
	1914	51	16	10	1,314	209	1,010	95	2,165,532	1,764,834
Engines, steam, gas, and water.....	1919	47	306	17	77,617	665	76,693	259	404,774,735	3,262,902
	1914	94	305	47	28,657	914	27,741	1,002	72,121,112	2,061,126
Engravers' materials.....	1919	7	11	3	174	18	142	14	2,248,122	85,034
	1914	4	8	1	106	18	88	(x)	708,258	40,002
Engraving and diesinking.....	1919	377	29	72	1,878	658	658	702	1,025	7,350,602
	1914	377	30	79	1,536	532	532	302	3,133,791	1,282,978
Engraving, steel and copperplate, including plate printing.....	1919	226	132	63	7,014	1,174	5,021	819	24,209,154	3,138,514
	1914	196	125	78	6,859	782	5,152	925	13,786,385	1,284,850
Engraving, wood.....	1919	36	9	10	235	36	157	42	1,153,618	136,206
	1914	51	8	13	302	80	193	29	719,234	152,045
Envelopes.....	1919	13	85	8	8,129	114	7,745	270	39,664,077	283,219
	1914	13	71	6	6,970	210	6,481	279	18,481,013	358,046
Explosives.....	1919	2	113	3	9,249	(x)	9,230	19	92,474,813	(x)
	1914	3	104	4	6,306	3	6,290	13	41,432,970	9,641
Fancy articles, not elsewhere specified.....	1919	290	231	140	13,981	2,345	9,087	2,529	64,054,481	9,819,754
	1914	222	164	107	7,399	1,771	3,909	1,719	17,658,770	3,682,362
Feathers and plumes.....	1919	125	41	50	3,504	1,177	925	1,402	15,377,953	5,408,802
	1914	133	47	59	4,433	1,439	1,427	1,617	11,450,521	3,668,352
Felt goods.....	1919	1	46	2	5,236	(x)	5,236	(x)	39,229,540	39,229,540
	1914	4	47	2	4,035	293	3,743	(x)	13,692,765	813,824
Ferroalloys ¹	1919	2	27	1	2,344	98	2,246	(x)	38,583,984	1,138,594
Fertilizers.....	1919	55	482	63	26,296	377	25,291	628	281,143,587	4,412,170
	1914	94	582	108	22,815	447	21,537	831	153,196,152	2,477,012
Files.....	1919	11	35	4	5,767	108	5,493	166	17,610,563	246,782
	1914	14	30	4	4,349	101	4,119	129	5,608,157	106,967
Firearms.....	1919	4	19	3	11,287	758	10,529	(x)	39,181,370	1,740,901
	1914	8	18	3	7,064	665	5,319	580	10,543,753	1,184,920
Fire extinguishers, chemical.....	1919	10	18	4	777	57	681	39	5,563,180	391,195
	1914	9	17	1	256	28	228	.....	1,297,723	119,303
Fireworks.....	1919	22	33	2	1,222	55	1,167	(x)	4,620,984	138,590
	1914	11	27	3	1,324	41	1,245	38	2,296,236	87,324
Flags and banners.....	1919	44	27	8	1,065	190	722	153	5,346,089	867,026
	1914	44	27	16	1,485	335	1,002	158	3,601,310	617,425
Flavoring extracts.....	1919	212	180	61	2,188	236	1,707	245	30,116,932	3,618,573
	1914	212	153	59	1,461	285	1,051	125	11,380,423	23,043,842
Flax and hemp, dressed.....	1919	6	10	4	420	51	316	53	2,369,114	450,401
	1914	9	4	3	1,111	51	16	49	282,648	122,956
Flour-mill and gristmill products.....	1919	4,711	2,667	3,330	45,481	5,293	34,841	5,347	2,052,434,385	152,127,809
	1914	5,426	2,264	3,098	39,718	7,831	25,211	6,676	877,679,709	113,781,139
Food preparations, not elsewhere specified.....	1919	811	742	444	30,385	2,385	25,350	2,080	631,598,150	29,978,280
	1914	655	574	330	20,306	2,040	15,539	2,727	218,332,659	16,557,550
Foundry and machine-shop products.....	1919	3,706	5,568	1,660	452,767	25,448	437,378	19,941	2,289,250,850	559,610,877
	1914	3,723	5,094	1,823	362,471	22,797	320,050	19,024	866,504,077	42,009,193
Foundry supplies.....	1919	9	62	5	906	47	823	36	9,954,076	525,271
	1914	14	37	6	555	75	406	14	2,012,896	9,355,887
									333,016	1,025,002

¹ Included in other classifications in 1914.

MANUFACTURES.

TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.				
		Indi- viduals.	Cor- pora- tions.	All others	Total.	In establishments owned by—			Total.	Of establishments owned by—		
						Individ- uals.	Cor- pora- tions.	All others.		Individ- uals.	Corpora- tions.	All others.
Fuel, manufactured.....	1919	10	1	171	171	171	(X)	171	Dollars. 1,973,877 862,904	Dollars. 1,973,877 (X)	Dollars. 1,973,877 862,904	(X)
	1914	1	12	141	(X)	141	(X)	(X)				
Fur goods.....	1919	876	213	726	13,639	4,167	4,866	4,606	173,137,739	43,961,679	52,198,984	76,977,076
	1914	711	144	467	9,030	2,953	1,931	4,146	43,632,693	12,667,345	9,620,393	21,344,955
Furnishing goods, men's.....	1919	150	160	138	18,944	2,153	12,322	4,430	107,534,095	16,192,376	62,503,294	28,833,025
	1914	195	198	158	22,459	2,724	14,191	3,604	52,453,338	7,760,906	30,101,111	14,591,321
Furniture.....	1919	974	1,613	567	133,331	8,423	120,230	9,678	571,356,333	34,938,205	463,454,169	42,963,959
	1914	1,102	1,545	545	127,881	9,559	10,475	10,475	265,705,763	20,422,151	223,296,488	21,997,124
Furs, dressed.....	1919	49	62	30	5,075	657	3,894	524	20,354,569	3,322,093	13,520,018	3,542,458
	1914	53	19	24	1,525	419	680	426	2,575,036	783,322	1,392,814	683,900
Galvanizing, and other coating processes.....	1919	15	31	6	1,665	91	1,551	23	14,475,682	780,403	13,524,150	171,129
	1914	10	33	5	1,580	636	917	27	8,450,109	233,670	8,135,503	108,636
Gas and electric fixtures.....	1919	95	191	55	9,795	699	8,650	446	42,267,953	3,612,665	36,261,541	2,393,747
	1914	142	237	81	10,913	802	9,063	1,048	28,739,937	2,470,493	23,210,072	3,059,462
Gas, illuminating and heating.....	1919	13	951	58	42,908	369	41,970	569	329,278,908	1,349,820	325,164,125	2,764,963
	1914	34	1,101	149	43,792	23	43,316	453	220,237,790	99,016	218,306,024	1,832,750
Gas machines and gas and water meters.....	1919	13	88	4	5,589	45	5,533	11	26,267,074	222,542	25,918,877	125,655
	1914	23	88	12	4,972	170	4,771	31	15,153,916	365,421	14,739,732	75,763
Glass.....	1919	12	342	17	77,520	618	75,468	1,434	261,884,080	1,795,048	258,043,158	3,445,874
	1914	12	313	23	74,502	770	71,136	2,596	123,085,019	892,091	118,980,573	3,211,455
Glass, cutting, staining, and ornamenting.....	1919	278	225	113	6,480	1,457	4,195	828	28,443,321	6,346,959	18,798,613	3,297,749
	1914	289	219	127	8,067	1,001	5,065	1,401	16,445,539	3,583,130	10,019,491	2,843,218
Gloves and mittens, cloth, not including gloves made in textile mills. ¹	1919	42	106	34	8,988	529	7,604	653	28,220,113	1,567,355	24,019,604	2,633,151
Gloves and mittens, leather.....	1919	143	108	104	10,685	1,485	5,757	3,443	46,940,511	7,348,256	23,341,063	16,251,192
	1914	170	80	102	10,668	1,859	4,815	3,964	21,614,109	3,518,003	9,544,230	8,551,871
Glucose and starch.....	1919	17	30	9	7,795	60	7,674	61	188,256,260	424,570	185,149,779	681,611
	1914	43	34	12	4,508	99	4,373	37	52,015,401	488,822	51,882,232	244,297
Glue, not elsewhere specified.....	1919	9	47	6	4,264	9	4,092	163	32,134,067	193,542	30,734,528	1,205,997
	1914	11	38	8	3,129	29	2,686	414	13,732,524	122,169	11,369,057	2,211,598
Gold and silver, leaf and foil.....	1919	56	13	18	950	216	281	453	4,461,568	924,068	2,089,440	1,448,060
	1914	57	8	14	1,135	399	161	575	2,432,145	838,617	735,588	857,940
Gold and silver, reducing and refining, not from the ore.....	1919	45	26	16	644	69	470	85	55,458,215	4,961,910	46,041,125	4,450,180
	1914	35	25	18	456	64	329	63	28,587,555	3,356,561	22,490,118	2,710,879
Graphite, ground and refined.....	1919	6	16	2	497	52	445	(X)	2,239,557	380,950	1,858,628	(X)
	1914	3	7	1	250	34	216	(X)	1,724,330	227,571	1,496,959	(X)
Grease and tallow, not including lubricating greases.....	1919	212	164	106	6,617	664	5,654	329	67,265,206	5,962,450	57,018,655	4,254,101
	1914	173	127	69	5,106	675	4,030	401	24,900,519	3,148,639	19,383,038	2,388,642
Grindstones ²	1919	20	3	674	674	(X)	1,309,423	1,309,423	1,309,423	1,309,423	1,309,423	(X)
Haircloth.....	1919	6	7	5	425	85	186	154	3,315,113	690,136	1,559,753	1,085,224
	1914	7	6	6	595	85	281	249	2,395,486	348,409	1,128,531	922,546
Hair work.....	1919	142	24	32	1,084	495	384	205	6,963,033	2,571,490	2,336,682	2,054,861
	1914	137	28	40	1,193	608	339	248	3,334,946	1,586,601	979,539	765,606
Hand stamps.....	1919	167	76	55	1,719	286	1,259	174	7,733,773	1,290,785	5,540,486	907,502
	1914	167	64	46	1,321	331	800	190	3,382,793	878,421	1,993,957	510,415
Hardware.....	1919	142	329	77	42,505	1,084	40,212	1,209	154,524,883	4,119,312	145,292,434	5,113,142
	1914	142	321	76	41,213	1,111	38,620	1,452	73,319,697	2,298,787	68,408,727	2,613,183
Hardware, saddlery.....	1919	12	21	4	3,675	162	3,497	16	14,136,556	394,202	13,698,073	46,281
	1914	23	28	7	2,511	33	2,432	46	4,039,971	74,117	3,847,097	118,737
Hat and cap materials.....	1919	55	44	34	3,069	278	2,268	463	26,521,652	1,917,041	20,685,733	3,918,433
	1914	51	25	22	1,775	677	677	520	6,929,342	859,571	2,591,026	3,477,845
Hats and caps, other than felt, straw, and wool.....	1919	317	137	255	7,539	1,634	3,017	2,888	44,539,661	9,243,440	16,264,350	19,032,071
	1914	288	78	214	7,322	1,748	2,157	3,417	18,393,221	3,762,745	5,317,202	9,513,271
Hats, fur-felt.....	1919	62	78	36	18,510	778	15,194	2,538	82,745,308	5,025,270	64,012,720	13,707,318
	1914	94	103	27	21,318	1,869	17,507	2,002	37,349,744	3,509,142	30,388,386	3,472,216
Hats, straw.....	1919	40	75	33	7,302	906	5,357	1,039	32,187,361	4,751,320	22,611,831	4,824,210
	1914	40	70	39	9,453	1,181	5,874	2,428	25,442,501	4,149,226	15,557,326	5,746,949
Hats, wool-felt.....	1919	16	15	9	1,448	116	1,176	156	6,739,652	607,250	5,438,792	693,610
	1914	12	8	10	1,249	62	829	358	19,44,484	111,050	1,205,727	627,667
Hones and whetstones.....	1919	3	7	1	212	18	199	(X)	793,778	24,112.	789,666	(X)
	1914	5	10	1	170	29	141	(X)	259,944	28,161.	231,783	(X)

¹ Included in "furnishing goods, men's," in 1914.² Included in "All other industries" in 1914.

CHARACTER OF OWNERSHIP.

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TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such case an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
					In establishments owned by—					
		Individ-uals.	Cor-porations.	All others	Total.	Individ-uals.	Cor-porations.	All others.	Total.	Individ-uals.
Horseshoes, not made in steel works or rolling mills.	1919	7	11	2	744	9	735	(x)	\$3,367,901	\$2,752
	1914	4	17	1	588	22	566	(x)	1,785,093	3,324,219
House-furnishing goods, not elsewhere specified.	1919	211	169	87	7,853	1,020	5,912	915	60,211,804	1,725,549
	1914	176	124	70	6,935	929	5,442	564	26,452,937	(x)
Ice, manufactured.	1919	545	1,011	411	30,247	2,061	25,183	2,003	137,004,798	8,825,646
	1914	456	1,732	355	23,011	1,883	19,519	1,609	60,380,267	119,718,423
Ink, printing.	1919	16	62	12	1,988	128	1,822	38	29,244,470	4,448,618
	1914	15	43	12	1,391	94	1,242	55	13,830,312	1,825,913
Ink, writing.	1919	27	23	11	702	55	627	20	6,433,941	2,783,442
	1914	25	23	6	512	60	446	6	5,836,842	5,399,222
Instruments, professional and scientific.	1919	120	179	52	15,931	695	14,748	458	58,130,091	53,153,155
	1914	125	126	50	7,107	463	6,327	317	17,494,729	2,880,712
Iron and steel, blast furnaces.	1919	4	187	4	41,600	466	40,722	472	794,466,558	3,329,120
	1914	2	155	3	29,350	(x)	28,790	506	317,653,983	(x)
Iron and steel, steel works and rolling mills.	1919	10	481	9	375,088	902	373,442	684	2,825,902,376	4,704,495
	1914	8	407	12	248,716	723	246,020	1,973	918,664,565	2,820,937,996
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	20	117	7	17,967	267	17,488	212	59,743,882	1,258,072
	1914	13	84	5	10,658	232	10,246	180	23,403,403	503,974
Iron and steel, cast-iron pipe.	1919	2	56	1	12,025	208	12,417	(x)	50,235,101	832,433
	1914	—	57	2	12,557	—	12,557	(x)	26,659,365	49,492,668
Iron and steel, doors and shutters.	1919	7	43	7	2,077	23	1,991	63	10,877,001	98,521
	1914	8	23	7	1,985	73	1,859	53	5,183,692	175,438
Iron and steel, forgings, not made in steel works or rolling mills.	1919	27	200	14	28,391	248	27,918	225	173,752,104	1,045,851
	1914	30	146	15	10,689	164	10,361	164	28,961,457	325,529
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.	1919	16	42	7	3,355	208	3,029	118	17,583,344	1,081,217
	1914	18	36	10	2,644	221	2,176	247	7,195,600	15,668,021
Iron and steel, tempering and welding 1.	1919	296	101	123	1,835	515	1,103	217	10,905,672	2,460,355
Iron and steel, wrought pipe.	1919	4	42	4	10,426	128	10,265	33	81,860,115	526,711
	1914	2	29	5	8,845	(x)	7,314	1,631	37,655,229	(x)
Ivory, shell, and bone work, not including combs and hairpins.	1919	23	13	8	842	166	521	155	2,816,530	402,948
	1914	29	16	9	795	116	384	295	1,895,812	1,874,618
Japanning.	1919	21	6	9	295	97	118	80	771,143	250,284
	1914	25	3	7	228	121	87	20	381,324	188,709
Jewelry.	1919	935	522	597	30,871	5,031	18,184	7,656	203,930,230	34,727,018
	1914	942	464	503	28,239	5,424	15,006	7,659	81,006,230	112,945,666
Jewelry and instrument cases.	1919	65	39	33	2,734	521	1,766	447	8,128,300	4,757,113
	1914	62	39	24	2,393	481	1,379	533	3,620,838	1,582,533
Jute goods.	1919	8	15	3	7,138	3,140	3,993	(x)	34,442,693	15,451,904
	1914	8	21	5	7,987	254	4,370	3,363	16,513,374	8,150,462
Knit goods.	1919	564	1,096	390	172,572	9,966	147,052	15,534	713,130,689	47,200,801
	1914	519	785	313	150,520	13,907	120,697	15,916	58,912,903	23,319,057
Labels and tags.	1919	30	69	20	5,227	261	4,708	258	24,243,902	937,740
	1914	30	63	15	2,600	228	2,194	178	6,584,058	351,603
Lamps and reflectors.	1919	46	95	30	8,360	223	7,806	331	38,098,917	990,855
	1914	29	98	26	7,134	101	6,735	298	16,638,287	255,479
Lapidary work.	1919	64	25	35	1,155	195	622	338	30,051,460	2,200,174
	1914	58	15	16	584	298	170	118	5,260,064	1,895,378
Lasts.	1919	15	38	11	2,910	314	2,484	112	12,470,539	1,291,490
	1914	22	34	10	2,094	423	1,548	123	4,580,215	931,847
Lead, bar, pipe, and sheet.	1919	1	30	1	852	(x)	852	(x)	17,174,281	(x)
	1914	2	24	1	685	11	574	(x)	7,430,957	191,892
Leather goods, not elsewhere specified.	1919	220	165	118	8,945	1,641	5,301	2,008	52,052,772	8,725,032
	1914	163	108	107	7,071	1,127	3,246	2,698	10,333,934	8,878,301
Leather, tanned, curried, and finished.	1919	114	453	113	72,476	2,353	64,624	5,499	928,591,701	22,513,661
	1914	162	414	165	56,936	3,821	43,349	8,766	367,201,705	8,380,359
Lime.	1919	194	224	58	11,405	1,034	9,623	748	33,970,463	2,702,603
	1914	333	222	72	12,429	1,802	9,846	781	18,390,805	2,419,143
Linen goods.	1919	—	10	—	1,890	—	1,890	—	6,098,046	6,098,046
	1914	2	19	—	3,567	(x)	3,567	(x)	6,959,703	6,959,703
Liquors, distilled.	1919	2	32	—	1,380	(x)	1,380	—	31,854,055	31,854,055
	1914	177	211	46	6,295	348	5,621	326	206,778,708	5,249,919
Liquors, malt.	1919	78	607	44	34,250	1,393	32,316	550	379,905,085	10,757,681
	1914	188	951	111	62,070	2,605	57,666	1,700	442,148,597	354,022,063
										5,224,441
										11,714,017

¹ Included in "foundry and machine-shop products" prior to 1919.

MANUFACTURES.

TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-	NUMBER OF ESTABLISHMENTS OWNED BY—	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.					
			Total.	In establishments owned by—		Total.	Of establishments owned by—				
				Individ- uals.	Cor- pora- tions.		Individ- uals.	Corpor- ations.			
Individ- uals.	Cor- pora- tions.	All others.	Total.	Individ- uals.	Cor- pora- tions.	All others.	Individ- uals.	Corpor- ations.			
Liquors, vinous.....	1919	250	40	52	1,011	210	700	92	<i>Dollars.</i> 17,454,194	<i>Dollars.</i> 3,901,808	<i>Dollars.</i> 12,235,726
	1914	169	97	52	2,292	397	1,719	176	<i>16,618,378</i>	<i>1,767,558</i>	<i>13,777,303</i>
Lithographing.....	1919	81	225	25	15,018	595	14,399	624	73,151,115	2,711,408	68,114,319
	1914	99	209	28	15,171	746	13,380	1,045	<i>39,185,973</i>	<i>1,710,708</i>	<i>33,221,163</i>
Locomotives, not made by railroad companies.....	1919	1	16	.....	26,715	(x)	26,715	.....	156,269,730	<i>(x)</i>	<i>156,269,730</i>
	1914	.....	18	1	17,391	.....	17,391	(x)	<i>43,374,141</i>	.....	<i>43,374,141</i>
Looking-glass and picture frames.....	1919	255	110	64	4,708	871	3,608	229	18,384,562	3,809,742	18,159,157
	1914	271	105	62	4,787	1,140	3,270	377	<i>11,014,207</i>	<i>3,132,504</i>	<i>6,901,313</i>
Lubricating greases.....	1919	12	38	3	472	17	451	4	8,868,772	220,714	8,627,390
	1914	16	55	6	476	46	419	11	<i>4,910,078</i>	<i>681,404</i>	<i>4,077,580</i>
Lumber and timber products.....	1919	15,280	3,829	7,010	480,945	72,365	351,830	56,750	1,387,471,413	187,803,793	1,050,373,023
	1914	16,797	3,387	7,045	479,786	89,948	331,075	58,763	<i>715,310,333</i>	<i>108,734,345</i>	<i>527,840,254</i>
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,877	2,349	1,083	86,956	10,241	68,062	8,653	500,438,253	52,736,748	397,594,539
	1914	2,167	2,405	1,269	96,214	13,254	70,022	12,938	<i>307,672,478</i>	<i>38,311,908</i>	<i>230,052,803</i>
Machine tools ¹	1919	46	820	37	53,111	650	50,100	2,361	212,400,158	2,082,478	200,730,860
Malt.....	1919	2	51	2	1,352	31	1,321	(x)	39,340,414	822,099	38,518,315
	1914	13	79	5	1,989	80	1,889	20	<i>48,132,833</i>	<i>915,512</i>	<i>47,066,139</i>
Marble and stone work.....	1919	2,469	762	1,009	32,768	7,110	20,599	5,059	129,164,853	37,107,230	97,946,632
	1914	2,812	825	1,264	54,891	10,532	34,801	9,558	<i>107,054,593</i>	<i>26,594,817</i>	<i>59,817,506</i>
Matches.....	1919	3	18	.....	3,726	18	3,708	.....	18,495,876	56,620	18,439,256
	1914	2	16	2	3,800	80	3,720	(x)	<i>12,556,279</i>	<i>181,458</i>	.....
Mats and matting, from cocoa fiber, grass, coir, etc.	1919	1	9	2	1,073	(x)	955	118	4,860,855	<i>(x)</i>	<i>4,451,851</i>
	1914	3	7	2	869	162	707	(x)	<i>2,235,807</i>	<i>1,768,742</i>	<i>409,004</i>
Mattresses and spring beds, not elsewhere specified.....	1919	514	325	202	12,637	2,012	9,161	1,464	88,952,609	13,589,826	59,637,099
	1914	504	311	185	11,747	2,374	7,652	1,721	<i>38,716,764</i>	<i>7,292,466</i>	<i>25,504,818</i>
Millinery and lace goods, not elsewhere specified.....	1919	1,514	651	840	50,850	13,658	23,456	18,736	255,724,922	60,716,851	120,015,830
	1914	1,009	476	594	45,274	11,512	20,589	13,173	<i>114,160,462</i>	<i>27,335,074</i>	<i>49,820,818</i>
Mineral and soda waters.....	1919	2,884	1,107	1,203	17,440	5,838	8,530	3,072	135,341,437	35,878,892	74,501,307
	1914	3,241	962	1,260	15,506	6,263	6,319	2,024	<i>58,401,462</i>	<i>19,200,030</i>	<i>29,070,874</i>
Minerals and earths, ground or otherwise treated.....	1919	53	317	49	14,426	486	13,166	774	46,067,239	1,220,808	42,686,923
	1914	41	173	30	4,707	379	4,011	317	<i>10,307,114</i>	<i>683,048</i>	<i>0,012,543</i>
Mirrors, framed and unframed, not elsewhere specified.....	1919	69	81	36	2,569	547	1,640	412	20,830,775	4,087,312	13,150,310
	1914	62	87	33	3,184	637	2,123	374	<i>10,189,431</i>	<i>2,311,318</i>	<i>6,908,864</i>
Models and patterns, not including paper patterns.....	1919	532	145	251	6,949	2,337	3,160	1,452	25,300,380	7,756,422	12,033,098
	1914	450	116	187	4,274	1,723	1,500	1,051	<i>8,604,695</i>	<i>3,411,033</i>	<i>3,227,887</i>
Motorcycles, bicycles, and parts.....	1919	10	37	4	10,886	28	10,477	381	53,105,895	127,070	51,335,071
	1914	24	42	12	6,680	55	6,413	212	<i>22,234,262</i>	<i>204,314</i>	<i>24,410,617</i>
Mucilage, paste, and other adhesives, not elsewhere specified.....	1919	45	61	21	803	88	571	144	11,230,253	<i>1,045,718</i>	<i>8,884,420</i>
	1914	48	54	25	700	146	429	125	<i>5,694,559</i>	<i>1,050,784</i>	<i>3,907,373</i>
Musical instruments and materials, not elsewhere specified.....	1919	144	62	34	4,113	298	3,573	242	12,506,334	1,385,000	10,369,266
	1914	165	44	32	1,831	276	1,418	137	<i>3,624,667</i>	<i>741,262</i>	<i>2,507,768</i>
Musical instruments, organs.....	1919	19	34	15	1,941	270	1,549	122	5,973,268	935,819	4,555,004
	1914	33	35	17	3,063	467	2,359	237	<i>981,275</i>	<i>4,872,135</i>	<i>443,938</i>
Musical instruments, pianos.....	1919	18	167	6	22,957	350	22,157	450	107,088,050	1,757,808	103,156,420
	1914	38	197	20	23,877	925	22,374	578	<i>62,775,035</i>	<i>3,020,308</i>	<i>57,945,222</i>
Musical instruments, piano and organ materials.....	1919	27	80	6	11,009	172	10,339	498	36,789,627	525,201	34,603,884
	1914	34	90	14	10,616	335	9,989	292	<i>19,875,762</i>	<i>613,865</i>	<i>18,834,173</i>
Needles, pins, and hooks and eyes.....	1919	16	66	10	9,294	436	8,749	106	29,304,905	1,203,319	27,871,058
	1914	4	39	6	5,339	28	5,235	81	<i>7,890,879</i>	<i>24,019</i>	<i>27,760,588</i>
Nets and seines.....	1919	5	14	2	859	40	819	.....	5,114,414	<i>411,733</i>	<i>4,702,681</i>
	1914	5	8	2	1,058	49	1,009	(x)	<i>3,088,942</i>	<i>180,287</i>	<i>2,957,755</i>
Oil and cake, cottonseed.....	1919	28	628	55	26,766	575	24,781	1,410	581,244,798	<i>11,354,000</i>	<i>546,688,450</i>
	1914	47	793	42	21,810	777	20,535	498	<i>212,127,024</i>	<i>5,535,054</i>	<i>203,019,373</i>
Oil, essential.....	1919	51	17	10	321	46	223	52	5,698,403	777,691	4,744,092
	1914	65	16	24	249	69	129	51	<i>2,313,606</i>	<i>202,074</i>	<i>1,848,654</i>
Oil, linseed.....	1919	24	2	2	2,173	(x)	2,173	(x)	120,638,100	<i>120,658,100</i>	<i>(x)</i>
	1914	1	21	3	1,488	(x)	1,320	168	<i>44,882,538</i>	.....	<i>40,846,984</i>
Oil, not elsewhere specified ²	1919	47	215	18	5,930	188	5,684	58	156,479,654	<i>8,171,051</i>	<i>147,110,565</i>
	1914	41	129	11	2,049	102	1,886	61	<i>38,040,152</i>	<i>1,141,517</i>	<i>36,125,079</i>
Oilcloth and linoleum, floor.....	1919	1	19	1	5,414	(x)	5,414	(x)	52,673,206	<i>(x)</i>	<i>52,673,206</i>
	1914	1	16	1	4,428	(x)	4,428	(x)	<i>17,602,336</i>	<i>(x)</i>	<i>17,602,336</i>

¹ Included in "foundry and machine-shop products" prior to 1919.² Includes "oil, castor," and "oil, lard, not made in slaughtering and meat-packing establishments."

CHARACTER OF OWNERSHIP.

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TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-	SUS- YEAR.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			
						In establishments owned by—						
			Indi- vid- uals.	Cor- pora- tions.	All others.	Total.	Indi- vid- uals.	Cor- pora- tions.	All others.	Total.	Individ- uals.	
Oilcloth, enameled.....	1919	1	9	1	1	1,130	(x)	1,130	(x)	Dollars. 15,436,875 7,996,025	Dollars. (x) (x)	Dollars. (x) (x)
	1914	1	11	1	1	1,223	(x)	1,223	(x)			
Oleomargarine and other butter substitutes.....	1919	1	41	.....	2,851	(x)	2,851	.....	79,815,580	(x)	79,815,580	.....
	1914	1	16	.....	917	(x)	917	.....	15,079,784	(x)	15,079,784	.....
Optical goods.....	1919	194	244	68	14,723	1,079	10,152	3,492	53,717,798	4,803,085	37,019,713	11,295,000
	1914	136	138	40	7,919	775	6,858	286	18,187,965	2,146,565	15,092,109	1,949,291
Ordnance and accessories ¹	1919	.....	25	1	11,328	.....	11,328	(x)	69,495,628	.....	69,495,628	(x)
Paints.....	1919	93	451	57	17,485	411	16,370	704	256,714,379	5,146,101	241,017,067	10,550,311
	1914	114	399	72	13,340	687	11,963	609	112,408,742	4,196,319	102,395,202	5,814,221
Paper and wood pulp.....	1919	33	647	49	113,750	648	110,134	2,977	788,039,377	3,879,687	759,532,859	24,646,731
	1914	49	608	61	88,457	857	83,557	4,043	332,147,175	2,634,573	315,401,140	14,111,462
Paper goods, not elsewhere specified.....	1919	61	223	24	14,135	370	13,255	510	107,234,759	2,199,111	101,709,213	3,376,435
	1914	68	205	37	13,495	445	12,480	570	48,871,461	1,428,883	45,560,110	1,882,468
Paper patterns.....	1919	9	9	1	403	25	378	(x)	1,528,382	116,121	1,413,261	(x)
	1914	11	9	5	1,073	23	1,046	4	3,026,022	57,436	2,934,937	13,679
Patent medicines and compounds.....	1919	990	1,214	263	17,444	1,653	14,867	924	212,162,255	16,438,216	185,370,034	10,354,095
	1914	1,177	1,355	371	13,328	1,759	10,520	1,049	102,463,374	10,020,811	82,939,359	8,603,204
Paving materials.....	1919	274	457	158	16,072	1,952	12,408	1,714	45,749,606	3,975,207	38,105,122	3,600,277
	1914	158	367	84	19,540	1,726	16,672	1,142	35,678,654	1,900,166	32,112,405	1,005,483
Peanuts, grading, roasting, cleaning, and shelling.....	1919	24	44	10	2,460	191	2,115	154	33,354,377	1,657,247	28,534,681	3,162,419
	1914	21	35	5	2,353	302	2,082	10	14,096,369	1,605,301	13,773,112	312,956
Pencils, lead.....	1919	12	.....	5,970	.....	5,970	.....	24,134,150	.....	24,134,150	.....
	1914	1	13	4,330	(x)	4,330	(x)	8,328,418	(x)	8,328,418	.....
Pens, fountain and stylographic.....	1910	14	30	12	3,207	269	2,804	134	15,906,803	1,000,749	13,964,746	971,313
	1914	22	27	6	1,184	176	928	50	6,665,074	814,214	5,999,308	251,552
Pens, gold.....	1919	6	6	3	416	71	274	71	1,801,460	298,741	1,100,346	402,373
	1914	3	6	3	246	34	161	51	642,461	83,600	418,848	140,013
Perfumery and cosmetics.....	1919	218	281	70	5,405	863	4,130	412	69,613,301	8,339,572	47,497,158	3,776,661
	1914	221	208	67	2,807	503	2,036	353	16,899,101	2,510,013	12,129,119	2,259,969
Petroleum, refining.....	1919	8	207	15	58,889	196	58,521	172	1,632,532,766	9,466,587	1,617,603,917	5,372,262
	1914	6	155	15	25,366	137	24,944	285	390,361,406	2,442,105	359,378,505	4,540,706
Phonographs and graphophones.....	1919	28	132	6	28,721	277	28,363	81	158,547,870	1,173,444	156,736,680	637,746
	1914	16	2	9,381	.....	9,381	(x)	27,113,510	.....	27,113,510	(x)	
Photographic apparatus.....	1910	19	43	6	2,555	57	2,473	25	9,384,050	326,176	8,941,140	116,725
	1914	31	43	13	2,016	94	1,896	26	4,273,162	290,266	3,913,352	62,514
Photographic materials.....	1919	42	112	15	14,556	205	14,285	66	115,714,179	1,551,071	113,666,821	476,287
	1914	13	42	4	6,658	65	6,533	60	34,763,384	199,507	34,345,667	232,100
Photo-engraving, not done in printing establish- ments.....	1919	98	255	69	6,769	524	5,691	554	29,389,386	2,125,809	24,197,918	3,065,729
	1914	99	211	66	6,211	735	4,853	623	15,558,604	1,639,761	12,223,081	1,495,162
Pickles, preserves, and sauces.....	1910	298	321	106	16,621	1,660	14,335	620	145,784,530	11,538,610	129,540,922	4,705,692
	1914	300	255	117	12,500	1,884	10,096	620	60,014,532	8,250,084	49,238,482	3,366,966
Pipes, tobacco.....	1919	28	17	11	2,539	402	1,592	545	11,553,777	1,311,990	6,099,840	3,241,938
	1914	25	16	6	2,354	412	1,439	503	4,220,084	726,259	2,647,173	846,652
Plated ware.....	1919	10	51	7	9,492	101	9,178	213	41,634,585	350,846	40,336,443	947,296
	1914	10	53	9	8,717	79	8,491	147	18,184,235	134,689	17,985,772	363,874
Plumbers' supplies, not elsewhere specified.....	1919	35	160	19	13,592	472	12,577	543	60,055,265	2,643,526	54,813,270	2,593,499
	1914	42	180	33	18,479	396	17,170	1,003	43,355,883	1,036,038	40,093,071	2,256,779
Pocketbooks.....	1919	40	36	54	2,908	501	1,378	966	14,549,659	2,425,813	5,963,039	6,160,817
	1914	30	14	20	1,466	214	035	617	3,350,552	588,335	1,270,523	1,483,694
Pottery.....	1919	88	211	41	27,934	1,044	26,175	715	74,019,186	2,342,252	71,011,800	1,505,134
	1914	96	203	51	26,705	811	25,213	681	36,642,606	1,048,272	35,005,206	880,128
Poultry, killing and dressing, not done in slaugh- tering and meat-packing establishments.....	1919	60	90	46	2,140	318	1,539	283	41,705,070	5,447,477	39,443,506	5,814,096
	1914	39	52	25	1,353	197	971	185	12,916,608	1,233,470	10,292,670	1,370,568
Printing and publishing, book and job.....	1919	7,456	3,367	2,264	123,005	20,663	10,486	11,856	507,603,228	92,086,052	445,041,406	60,535,170
	1914	7,090	2,880	2,145	113,121	22,715	78,365	12,041	307,330,801	54,760,532	210,084,491	32,585,838
Printing and publishing, music.....	1919	63	70	21	899	133	700	6	14,502,177	1,187,026	12,100,708	1,304,443
	1914	85	70	25	873	120	610	143	7,271,266	1,124,839	5,335,595	810,532
Printing and publishing, newspapers and period- icals.....	1919	9,262	4,856	3,244	120,881	20,130	90,688	9,554	924,152,878	93,900,148	769,916,217	61,246,513
	1914	10,992	5,016	3,309	114,375	25,993	77,603	10,684	495,905,948	70,710,425	88,120,392	37,069,131
Printing materials.....	1919	15	56	11	723	38	343	23	10,491,799	31,037	4,460,229	144,521
	1914	23	57	14	423	57	343	23	2,110,814	184,188	1,820,207	106,419
Pulp goods.....	1919	3	35	2	3,041	5	3,036	(x)	23,008,403	31,037	23,677,306	(x)
	1914	1	22	1	1,654	(x)	1,654	(x)	4,482,981	(x)	4,482,981	(x)

¹ Included in "All other industries" in 1914.

MANUFACTURES.

TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-sus-year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			
					Total.	In establish-ments owned by—	Total.	Individ-uals.	Corpo-rations.	All others.	
		Individ-uals.	Corpo-rations.	All others	Individ-uals.	Corpo-rations.	All others.	Individ-uals.	Corpora-tions.	All others.	
Pumps, not including power pumps.....	1919	32	77	18	5,384	91	4,540	753	Dollars. 31,656,433	Dollars. 658,033	Dollars. 4,936,293
	1914	40	41	15	2,134	141	1,081	912	6,350,411	351,063	2,987,437
Pumps, steam and other power.....	1919	16	86	10	10,688	261	10,006	331	53,745,502	1,200,958	50,948,558
	1914	16	65	6	6,188	72	5,997	119	17,861,311	269,045	17,308,992
Refrigerators.....	1919	30	73	19	5,786	372	5,193	221	26,048,808	1,765,731	22,868,301
	1914	51	64	19	5,617	735	4,656	226	15,051,794	1,986,133	12,515,002
Regalia, and society badges and emblems.....	1919	60	41	14	2,222	252	1,862	109	9,395,470	1,360,027	7,679,320
	1914	78	43	17	2,010	256	1,693	61	5,025,451	670,278	4,192,047
Rice, cleaning and polishing.....	1919	15	63	8	2,113	77	1,902	134	90,038,412	3,969,683	78,957,433
	1914	4	51	4	1,253	27	1,171	55	23,039,294	816,843	20,967,445
Roofing materials.....	1919	38	122	18	8,871	166	8,042	63	85,695,359	1,110,948	83,965,532
	1914	42	114	14	4,088	319	3,457	282	27,977,913	1,231,254	24,855,082
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1919	46	368	23	119,848	588	119,108	152	987,058,045	3,094,160	981,863,453
	1914	38	244	19	50,220	599	49,413	208	223,610,784	2,123,024	220,782,559
Rules, ivory and wood.....	1919	7	5	1	168	19	149	(x)	480,543	84,401	396,142
	1914	4	3	3	408	9	388	11	634,242	14,708	600,644
Saddlery and harness.....	1919	1,275	253	295	10,411	1,878	7,434	1,099	53,713,010	13,357,900	61,653,014
	1914	1,802	324	425	12,969	3,105	8,265	1,599	53,558,612	11,651,293	34,706,544
Safes and vaults.....	1919	9	26	3	2,949	32	2,883	34	15,293,927	170,900	15,054,554
	1914	3	34	2	2,972	257	2,715	(x)	7,256,792	679,095	6,577,697
Salt.....	1919	9	67	10	6,495	50	6,180	265	37,513,821	109,171	36,604,513
	1914	13	70	15	5,089	98	4,860	131	14,070,333	160,597	13,654,659
Sand and emery paper and cloth.....	1919	1	10	1	771	(x)	771	(x)	9,303,734	(x)	9,203,734
	1914	1	9	2	681	(x)	397	284	4,328,127	(x)	2,992,662
Sand-lime brick.....	1919	1	30	1	504	(x)	504	(x)	1,663,052	(x)	1,663,052
	1914	2	41	2	557	(x)	530	27	994,199	(x)	956,839
Sausage, not made in slaughtering and meat-packing establishments.....	1919	404	99	130	3,471	1,505	1,314	652	56,610,092	23,275,474	21,968,784
	1914	337	54	101	2,244	1,168	681	395	22,013,506	10,990,374	7,636,786
Saws.....	1919	38	53	21	5,510	115	5,274	121	31,460,557	574,548	30,207,577
	1914	35	44	21	4,560	140	4,120	300	12,517,165	488,042	11,451,033
Scales and balances.....	1919	16	53	10	5,432	187	5,088	157	20,641,038	543,201	19,576,382
	1914	23	49	11	4,467	222	4,118	127	9,733,721	396,737	9,092,734
Screws, machine.....	1919	38	93	17	10,262	281	9,720	261	40,015,460	994,160	37,844,112
	1914	18	43	5	3,643	174	3,423	46	7,247,502	308,304	6,884,797
Screws, wood.....	1919	—	—	11	4,889	—	4,889	—	15,459,582	—	15,459,582
	1914	1	11	—	4,446	(x)	4,446	—	6,216,940	(x)	6,216,940
Sewing-machine cases ¹	1919	2	3	—	4,171	(x)	4,171	—	14,243,468	(x)	14,243,468
Sewing machines and attachments.....	1919	11	27	2	15,059	89	14,970	(x)	43,694,919	250,780	43,438,189
	1914	12	32	2	14,308	147	14,161	(x)	21,391,917	317,357	21,074,560
Shipbuilding, steel.....	1919	8	148	6	344,014	97	343,635	282	1,456,480,516	401,883	1,454,961,083
	1914	7	64	8	33,508	189	33,019	300	66,216,692	434,942	64,973,326
Shipbuilding, wooden, including boat building.....	1919	457	300	156	43,432	2,474	36,798	4,160	165,871,745	10,150,837	142,809,320
	1914	638	178	202	10,981	2,477	6,948	1,556	22,465,379	5,163,677	14,072,706
Shirts.....	1919	256	359	281	39,603	4,316	25,109	10,178	205,327,133	16,152,273	123,507,369
	1914	295	241	256	51,972	6,552	24,544	20,876	95,815,013	8,631,356	42,818,838
Show cases.....	1919	42	48	29	1,857	246	1,300	221	8,294,308	1,036,596	6,123,188
	1914	60	45	27	2,257	362	1,668	227	5,233,225	973,775	3,710,762
Signs and advertising novelties.....	1919	423	265	91	10,432	1,047	9,020	365	43,343,093	4,640,523	36,917,401
	1914	410	243	123	9,566	1,213	7,686	667	24,732,210	3,097,308	19,669,525
Silk goods.....	1919	250	811	308	126,782	6,498	108,531	11,753	658,469,523	38,561,197	551,413,071
	1914	180	543	179	108,170	8,117	80,033	14,020	254,011,237	16,407,605	199,073,261
Silversmithing and silverware.....	1919	25	57	17	6,453	167	5,779	507	29,126,133	980,773	25,871,473
	1914	30	60	18	7,070	232	6,278	560	19,786,317	594,007	17,634,999
Slaughtering and meat packing.....	1919	481	582	241	160,996	3,267	155,379	2,350	4,246,290,614	110,822,752	4,049,077,511
	1914	504	494	281	98,832	3,769	91,056	4,007	1,651,965,424	69,133,795	1,505,177,165
Smelting and refining, copper.....	1919	—	—	34	17,345	—	17,345	—	651,101,501	—	651,101,501
	1914	—	—	36	17,731	—	17,731	(x)	444,021,958	—	444,021,958
Smelting and refining, lead.....	1919	1	24	—	6,438	(x)	6,438	—	196,794,519	(x)	196,794,519
	1914	—	21	1	7,385	(x)	7,385	(x)	171,578,587	171,578,587	(x)
Smelting and refining, metals, not elsewhere specified. ²	1919	1	12	—	2,041	(x)	2,041	—	20,074,504	(x)	20,074,504

¹ Included in "All other industries" in 1914.² Included in other classifications prior to 1919 and covers "smelting and refining, antimony," and "smelting and refining, tin," which could not be shown separately in 1919.

CHARACTER OF OWNERSHIP.

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TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[Note.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
					In establishments owned by—					
		Individ-uals.	Cor-pora-tions.	All others.	Total.	Individ-uals.	Cor-pora-tions.	All others.	Total.	Individ-uals.
Smelting and refining, zinc.....	1919	2	39	.....	13,796	(x)	13,796	.....	104,122,938	104,122,938
	1914	2	27	.....	9,617	(x)	9,617	.....	53,538,398	53,538,398
Smelting and refining, not from the ore.....	1919	15	51	15	2,107	92	1,913	162	50,246,088	2,252,128
	1914	29	42	13	2,585	236	2,224	125	39,902,114	8,674,757
Soap.....	1919	87	222	39	20,436	299	19,780	357	316,740,115	4,517,647
	1914	106	200	65	14,172	484	13,030	649	127,042,441	3,829,544
Soda-water apparatus.....	1919	24	33	9	2,599	84	2,383	132	15,185,370	522,308
	1914	18	39	10	2,229	60	2,088	81	8,781,437	220,928
Sporting and athletic goods.....	1919	83	79	26	6,412	574	5,476	362	23,839,991	1,667,578
	1914	84	50	19	5,602	622	4,576	404	13,214,677	1,070,192
Springs, steel, car and carriage, not made in steel works or rolling mills.....	1919	25	76	11	8,981	72	8,729	180	51,470,535	301,651
	1914	18	55	11	3,703	122	3,484	97	11,594,902	282,163
Stamped and enameled ware, not elsewhere specified.....	1919	44	251	28	34,248	552	33,138	558	143,652,877	2,695,921
	1914	43	210	17	28,731	540	27,748	443	65,121,301	1,188,771
Stationery goods, not elsewhere specified.....	1919	61	130	32	11,261	415	9,774	1,072	58,363,244	1,572,521
	1914	67	96	26	7,728	507	6,323	898	21,993,066	1,335,254
Statuary and art goods.....	1919	101	44	50	1,466	354	885	227	5,019,521	995,237
	1914	102	38	50	1,988	406	1,205	377	3,909,569	729,004
Steam fittings and steam and hot-water heating apparatus.....	1919	38	207	16	36,086	398	35,968	320	160,285,488	2,057,490
	1914	38	230	27	26,388	292	25,771	325	63,922,434	981,951
Steam packing.....	1919	44	113	12	6,147	222	5,859	66	40,524,779	1,493,686
	1914	42	98	9	4,213	246	3,872	95	14,212,595	694,124
Steel barrels, drums, and tanks, portable ¹	1919	3	26	4	3,322	25	3,260	37	24,942,650	219,998
Stencil and brands.....	1919	43	23	18	417	85	282	50	1,597,785	304,703
	1914	72	20	15	446	169	235	39	1,102,557	379,871
Stereotyping and electrotyping.....	1919	37	112	22	3,664	425	2,977	262	15,919,014	1,841,549
	1914	40	115	34	3,457	464	2,482	511	8,154,171	919,413
Stoves and hot-air furnaces.....	1919	53	323	36	32,898	624	31,326	918	146,717,903	3,260,175
	1914	61	326	51	29,535	790	27,059	1,686	67,941,106	2,029,721
Stoves, gas and oil.....	1919	41	113	22	10,565	89	10,294	182	55,792,029	627,057
	1914	21	78	14	7,730	134	7,411	245	21,448,932	376,774
Structural ironwork, not made in steel works or rolling mills.....	1919	382	612	152	43,962	2,676	38,968	2,317	294,962,410	13,668,941
	1914	467	577	191	47,167	3,561	41,012	1,994	139,377,587	8,821,677
Sugar, beet.....	1919	1	84	.....	11,781	(x)	11,781	.....	149,155,892	(x)
	1914	2	58	.....	7,997	(x)	7,997	.....	62,605,210	(x)
Sugar, cane.....	1919	65	102	35	6,101	1,522	4,575	(x)	57,741,320	12,584,221
	1914	55	91	35	3,632	868	2,237	627	21,635,373	3,710,938
Sugar, refining, not including beet sugar.....	1919	17	3	18,202	.....	10,237	1,965	730,986,706	647,849,852	
	1914	15	3	11,253	.....	9,893	1,444	289,398,715	230,844,200	
Sulphuric, nitric, and mixed acids.....	1919	39	.....	4,961	.....	4,961	.....	31,470,480	31,470,480	
	1914	22	.....	3,064	.....	3,064	.....	15,215,474	15,215,474	
Surgical appliances.....	1919	145	82	31	6,390	471	5,725	194	43,532,860	2,003,420
	1914	140	70	28	4,282	551	3,605	126	14,019,984	1,479,687
Suspenders, garters, and elastic woven goods.....	1919	87	68	41	10,857	818	9,020	1,019	60,774,652	4,732,817
	1914	91	77	48	9,646	680	7,968	980	24,432,733	1,973,639
Textile machinery and parts ¹	1919	154	202	76	31,823	1,096	28,893	1,232	122,080,264	6,197,967
Theatrical scenery.....	1919	4	12	1	149	15	134	(x)	1,067,033	180,314
	1914	7	.....	88	.....	88	.....	326,905	886,719	326,905
Tin and other foils, not elsewhere specified.....	1919	3	12	.....	1,903	5	1,903	.....	17,920,824	8,348
	1914	5	7	2	1,661	276	756	(x)	5,067,967	1,267,757
Tin plate and terneplate.....	1919	7	16	1	3,122	84	3,088	(x)	97,404,720	145,283
	1914	30	1	5,235	.....	5,235	(x)	68,342,962	68,342,962	
Tinware, not elsewhere specified.....	1919	70	188	43	34,386	622	32,783	981	233,964,000	3,117,364
	1914	83	168	43	22,584	700	20,462	1,422	81,930,880	1,500,340
Tobacco, chewing and smoking, and snuff.....	1919	207	105	63	18,324	704	17,180	440	230,270,718	6,039,550
	1914	245	116	75	25,980	732	24,538	710	175,250,925	2,333,463
Tobacco, cigars and cigarettes.....	1919	8,026	796	1,104	138,773	25,749	96,819	16,175	773,662,495	85,630,965
	1914	11,287	676	1,552	152,832	36,529	85,590	30,773	314,884,297	69,131,946
Tools, not elsewhere specified.....	1919	392	537	198	35,585	2,448	31,097	2,100	144,201,668	8,750,891
	1914	278	260	123	10,866	1,012	14,775	1,079	33,892,511	1,906,708
Toys and games.....	1919	207	223	111	14,201	1,725	10,510	1,957	45,656,803	5,586,416
	1914	111	127	52	7,887	1,030	6,242	615	13,750,748	1,723,192

¹ Included in "foundry and machine-shop products" prior to 1919.

MANUFACTURES.

TABLE 25.—CHARACTER OF OWNERSHIP, BY INDUSTRIES: 1919 AND 1914—Continued.

[NOTE.—In some industries, in order to avoid disclosing the returns of individual establishments, the figures for certain groups have been consolidated with those for some one of the other groups. In such cases an (x) is placed in the column from which the figures have been omitted, and the figures for the group with which they have been consolidated are printed in *italics*. In the totals for all industries combined, each establishment is classified under its proper group.]

INDUSTRY.	Cen-sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
		Individ-uals.	Cor-pora-tions.	All others	In establishments owned by—			Total.	Individ-uals.	Corpora-tions.
					Total.	Individ-uals.	Cor-pora-tions.			All others
Trunks and valises.....	1919	264	194	139	11,470	1,049	8,237	1,584	Dollars. 63,932,266	Dollars. 43,572,070
	1914	265	170	126	9,911	1,750	6,628	1,533	10,337,202	10,022,994
Turpentine and rosin.....	1919	547	247	397	28,067	7,738	11,552	8,777	53,051,294	43,572,070
	1914	552	221	621	31,817	8,571	12,812	13,434	12,611,421	15,493,425
Type founding.....	1919	7	14	2	810	68	742	(x)	2,089,757	233,112
	1914	9	19	3	1,054	73	972	9	2,319,781	134,446
Typewriters and supplies.....	1919	17	62	9	15,669	87	15,493	89	52,737,661	908,663
	1914	24	75	8	11,091	126	10,913	52	24,499,667	638,496
Umbrellas and canes.....	1919	109	37	52	3,368	505	1,689	1,174	25,306,826	3,674,197
	1914	158	45	62	4,792	1,218	2,008	1,566	13,813,353	3,055,011
Upholstering materials, not elsewhere specified.....	1919	48	82	33	4,810	388	4,130	292	39,889,711	2,119,869
	1914	49	93	37	4,426	401	3,453	372	18,491,556	1,043,956
Varnishes.....	1919	35	177	17	4,022	118	3,887	37	53,632,424	2,822,118
	1914	38	159	18	2,734	140	2,526	68	33,214,949	1,696,116
Vault lights and ventilators.....	1919	12	23	6	316	60	222	34	2,155,864	318,896
	1914	14	25	6	601	65	472	64	2,051,051	212,788
Vinegar and cider.....	1919	470	135	115	1,981	343	1,441	197	24,722,610	3,632,172
	1914	423	97	98	1,229	382	634	153	7,810,892	3,140,888
Wall paper, not made in paper mills.....	1919	3	45	1	4,262	128	4,134	(x)	23,047,901	940,603
	1914	3	44	1	4,738	90	4,648	15	295,376	15,591,747
Wall plaster and composition flooring.....	1919	19	137	5	5,123	119	4,980	24	26,874,657	708,778
	1914	21	138	6	5,389	199	5,153	37	16,544,475	644,317
Washing machines and clothes wringers.....	1919	20	75	19	5,056	73	5,782	101	40,771,255	430,050
	1914	41	58	12	2,302	111	2,139	52	7,599,802	554,437
Waste.....	1919	24	52	16	2,688	244	2,271	171	29,700,402	2,602,843
	1914	19	39	15	2,966	175	2,514	277	17,600,093	991,906
Watch and clock materials, except watchcases.....	1919	12	10	5	582	160	342	80	1,341,667	327,880
	1914	13	9	3	670	106	530	34	1,014,549	141,513
Watchcases.....	1919	8	22	3	3,900	30	3,852	18	19,618,773	376,969
	1914	8	18	5	3,514	14	3,447	53	7,830,987	42,296
Watches.....	1919	1	16	1	15,888	(x)	15,888	(x)	32,044,299	32,044,299
	1914	4	11	1	12,390	2	12,388	14,275,279	6,284	14,268,995
Wheelbarrows.....	1919	2	7	2	291	62	250	(x)	1,679,538	77,812
	1914	7	12	2	323	28	295	(x)	941,872	1,601,726
Whips.....	1919	15	6	5	717	114	512	91	2,086,285	410,288
	1914	15	12	13	1,163	76	563	224	3,161,910	867,547
Windmills.....	1919	8	22	1	1,932	72	1,860	(x)	9,932,585	233,593
	1914	8	19	4	1,955	54	1,891	10	5,496,501	170,558
Window and door screens and weather strips.....	1919	114	63	37	2,179	293	1,766	126	10,032,557	1,102,323
	1914	114	60	36	3,194	432	2,502	260	9,167,288	939,375
Window shades and fixtures.....	1919	170	76	41	4,411	553	3,624	234	29,190,649	4,432,519
	1914	167	74	45	4,077	524	2,244	309	17,444,120	2,636,432
Wire.....	1919	4	58	4	19,741	21	19,478	242	162,151,236	111,738
	1914	3	47	4	17,600	32	17,372	196	81,841,012	74,139
Wirework, including wire rope and cable.....	1919	229	237	92	15,224	843	13,754	627	90,549,245	3,871,163
	1914	230	238	84	12,126	894	10,502	730	41,760,394	1,957,308
Wood distillation.....	1919	9	99	7	4,946	104	4,690	92	32,545,314	483,553
	1914	11	75	9	2,782	155	2,383	244	9,882,537	485,921
Wood preserving.....	1919	1	72	1	3,978	(x)	3,978	(x)	33,239,313	(x)
	1914	1	67	1	2,830	-----	2,830	(x)	21,654,537	33,239,313
Wood, turned and carved.....	1919	349	224	149	10,640	1,948	7,331	1,370	34,847,139	5,717,558
	1914	429	226	173	11,615	2,232	7,734	1,640	19,046,573	3,498,512
Wooden goods, not elsewhere specified.....	1919	102	111	32	6,443	631	5,417	395	21,793,261	18,689,838
	1914	135	88	51	6,418	776	5,189	453	10,162,236	1,388,518
Wool pulling.....	1919	7	12	5	705	98	344	263	17,361,231	3,253,266
	1914	11	14	9	708	120	370	218	8,272,721	8,119,221
Wool scouring.....	1919	6	26	1	2,177	549	1,626	(x)	13,679,584	12,086,046
	1914	6	16	2	1,059	544	515	(x)	4,565,412	1,229,057
Wool shoddy.....	1919	26	36	16	2,566	239	2,005	331	23,254,393	1,922,309
	1914	10	30	15	2,145	281	1,583	281	7,706,543	1,045,923
Woolen and worsted goods.....	1919	121	628	103	166,757	5,431	5,143	9,513	1,065,424,072	33,563,785
	1914	145	520	124	158,612	8,731	133,724	13,237	379,454,370	23,677,663
All other industries ¹	1919	20	15	14	1,246	47	1,030	179	6,320,183	1,157,151
	1914	41	42	17	6,626	2,059	4,387	180	16,381,532	3,778,022

¹ Embraces: In 1910, "butter, reworking", 5 establishments; "hammocks", 6; "lard, not made in slaughtering and meat-packing establishments," 6; "millstones," 1; "oakum", 6; "pens, steel", 4; "pulp, from fiber other than wood", 5; "straw goods", 1; "whalebone cutting", 1; "wood carpet", 3. In 1914, "butter, reworking", 17 establishments; "grindstones", 14; "hammocks", 14; "lard, not made in slaughtering and meat-packing establishments", 6; "millstones", 2; "oakum", 6; "ordnance and accessories", 2; "pens, steel", 6; "pulp, from fiber other than wood", 3; "pulp wood", 20; "sewing-machine cases", 4; "whalebone cutting", 1; "wood carpet", 6.

CHARACTER OF OWNERSHIP.

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TABLE 26.—CHARACTER OF OWNERSHIP, BY GEOGRAPHIC DIVISIONS AND STATES: 1919 AND 1914.

DIVISION AND STATE.	Cen-sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—	AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.										
			In establishments owned by—			Per cent of total.			Total.			Of establishments owned by—			Per cent of total.							
			Individ-uals.	Cor-pora-tions.	All oth-ers.	Individ-uals.	Cor-pora-tions.	All oth-ers.	Individ-uals.	Cor-pora-tions.	All oth-ers.	Individ-uals.	Cor-pora-tions.	All oth-ers.	Individ-uals.	Cor-pora-tions.	All oth-ers.	Individ-uals.	Cor-pora-tions.	All oth-ers.		
United States.	1919	138,112	91,517	60,476	9,096,372	623,469	7,875	132,597,771	6,9	86.6	6.6	62,418,078,773	3,536,321,836	54,744,392,855	4,137,364,082	5.7	87.7	6.0				
	1914	142,436	78,152	55,203	7,036,247	707,568	5,649	891,678,778	10.1	80.3	9.6	24,248,434,724	1,925,518,298	183,147,103	2,137,769,323	7.9	83.2	8.8				
GEOGRAPHIC DIVISIONS:																						
New England...	1919	11,971	9,238	4,319	1,351,389	73,849	1,199	774	77,766	5.5	88.8	5.5	7,183,070,729	371,788,438	6,070,623,061	440,659,300	5.2	88.7	6.2			
	1914	12,767	7,053	4,473	1,140,233	87,274	900	685	92,274	7.7	84.3	8.1	2,926,075,392	217,020,541	2,455,017,579	254,637,272	7.4	83.9	8.7			
Md. Atlantic...	1919	42,728	26,219	19,413	2,872,653	239,170	2,370	350	263,124	8.3	82.5	9.2	10,854,772,766	1,509,459,164	16,329,608,188	2,015,705,408	7.6	82.2	10.2			
	1914	46,819	21,591	17,056	2,355,040	207,266	1,733	012	325,632	12.6	73.6	13.8	5,063,643,065	835,035,624	6,157,127,321	1,031,451,020	10.4	76.8	12.8			
E. N. Central...	1919	27,261	22,920	11,151	2,300,618	102,137	2,212	424	82,057	4.3	92.3	3.4	17,737,470,599	655,570,835	16,483,878,949	598,029,815	3.7	92.9	3.4			
	1914	28,857	19,871	11,168	1,080,281	114,616	1,174	227	91,438	0.8	87.7	5.4	6,542,360,553	361,863,793	5,445,641,117	334,755,043	5.5	89.4	5.1			
W. N. Central...	1919	14,454	8,137	6,575	490,635	38,162	434	327	27,146	7.6	86.9	5.4	5,187,064,766	223,513,635	4,633,649,289	269,001,782	4.3	90.5	5.2			
	1914	14,310	7,000	5,889	381,595	33,052	316	802	26,741	10.0	83.0	7.0	2,032,192,277	133,583,366	1,746,001,245	152,607,696	6.6	85.9	7.5			
South Atlantic...	1919	14,993	8,477	6,506	817,212	70,211	656	354	60,647	8.6	84.0	7.4	4,455,151,691	281,870,983	3,890,341,957	273,032,751	6.3	87.5	6.1			
	1914	14,909	7,532	6,484	855,252	82,518	524	116	78,618	12.0	75.5	11.5	1,062,999,099	149,542,780	1,374,488,257	158,968,056	8.9	81.7	9.4			
E. S. Central...	1919	7,088	3,875	3,602	320,226	31,202	269	615	28,409	9.5	81.9	8.6	1,042,391,461	117,512,367	1,400,106,233	124,682,601	7.2	85.3	7.6			
	1914	7,315	3,673	3,422	264,378	35,220	202	511	26,647	13.3	76.6	10.1	700,868,120	60,570,451	582,699,672	57,398,003	8.6	83.2	8.2			
W. S. Central...	1919	6,767	4,170	2,972	285,244	27,791	234	829	22,624	9.7	82.3	7.9	2,277,561,293	120,511,888	2,007,929,685	133,419,729	6.0	88.1	5.9			
	1914	6,456	3,533	2,398	211,940	23,510	171	401	16,359	11.1	80.9	8.0	802,688,231	57,861,759	690,768,525	53,067,947	7.2	86.1	6.7			
Mountain.....	1919	3,651	2,502	1,459	100,216	8,121	96	931	4,404	7.4	88.5	4.0	9,622,670,092	44,751,332	850,838,005	27,083,752	4.9	92.2	2.9			
	1914	3,108	1,999	1,002	81,113	6,610	70,999	3,474	8.2	87.5	4.3	437,567,910	23,257,820	1,052,352,064	12,928,026	5.3	91.7	3.0				
Pacific.....	1919	9,199	5,079	4,380	435,179	32,526	370	759	31,594	7.5	85.2	7.3	3,157,010,312	195,334,134	2,703,327,485	253,948,693	6.2	85.8	8.0			
	1914	7,865	5,030	3,311	235,515	22,442	196,048	17,025	9.5	83.2	7.2	1,067,889,171	86,722,155	900,111,323	81,055,690	8.1	84.3	7.6				
NEW ENGLAND:																						
Maine.....	1919	1,550	894	551	88,651	6,215	78,642	3,794	7.0	88.7	4.3	456,821,783	29,278,573	410,003,137	17,539,773	6.4	89.8	3.8				
	1914	1,894	820	655	82,149	8,521	66,638	6,990	10.4	81.1	8.5	200,450,118	19,292,277	163,119,853	16,037,936	9.6	82.4	8.0				
New Hampshire...	1919	713	461	325	83,074	5,702	71,774	5,538	6.9	86.4	6.7	407,204,934	23,505,739	358,632,142	24,867,053	5.8	88.1	6.1				
	1914	900	452	318	78,993	7,545	65,742	5,703	9.6	83.2	7.2	182,843,863	17,862,406	151,189,609	13,791,648	9.8	82.7	7.5				
Vermont.....	1919	900	469	421	33,491	3,841	26,243	3,407	11.5	78.4	10.2	168,103,072	19,712,681	130,015,057	18,380,334	11.7	77.3	10.9				
	1914	931	390	451	32,704	5,043	23,335	4,326	15.4	71.4	13.2	76,900,073	12,202,598	52,854,963	11,933,053	15.8	68.7	15.5				
Massachusetts...	1919	5,319	4,697	1,890	713,836	41,322	621	783	50,731	5.8	87.1	7.1	4,011,181,532	219,327,951	3,489,117,013	308,736,593	5.5	86.8	7.7			
	1914	5,902	3,935	2,126	606,698	44,633	502	727	59,285	8.2	88.8	9.8	1,611,373,047	117,430,279	1,349,511,377	174,131,395	7.2	82.2	10.6			
Rhode Island...	1919	1,210	863	403	139,665	7,380	125	639	6,620	5.3	90.0	4.7	747,322,858	33,493,110	681,416,232	32,413,516	4.5	91.2	4.3			
	1914	1,109	713	388	113,425	10,512	94	826	8,087	0.3	83.6	7.1	270,545,873	23,460,462	237,342,698	18,842,713	8.4	84.0	6.7			
Connecticut...	1919	2,270	1,804	729	292,672	9,323	275	673	7,676	3.2	94.2	2.6	1,392,431,020	46,470,084	1,307,239,450	33,722,086	3.3	93.9	2.8			
	1914	1,965	1,554	555	226,264	10,967	207,417	7,880	4.8	91.7	3.5	545,471,517	26,772,163	493,793,077	19,900,277	4.9	91.4	3.6				
MID. ATLANTIC:																						
New York....	1919	23,108	14,383	11,839	1,228,130	134,143	933,622	160,365	10.9	76.0	13.1	1,867,004,006	925,821,484	6,545,676,609	1,393,106,813	10.4	73.8	15.7				
	1914	26,031	11,774	10,398	1,057,557	186,237	698,771	190,819	15.9	68.1	16.1	3,814,661,114	569,938,018	1,611,620,798	953,637,651,145	13.4	68.6	18.0				
New Jersey....	1919	5,376	3,944	1,737	508,656	27,375	454,860	26,451	5.4	89.4	5.2	3,672,004,987	152,512,567	3,367,501,291	152,051,129	4.2	91.7	4.1				
	1914	5,152	3,168	1,424	373,605	30,806	313,171	29,625	8.2	83.8	7.9	1,406,633,414	75,036,243	1,250,439,709	81,107,402	5.3	88.9	5.8				
Pennsylvania...	1919	14,244	7,892	5,837	1,135,837	77,652	981,877	76,308	6.8	86.4	6.7	7,315,702,867	431,125,113	6,414,030,288	470,547,466	5.9	87.7	6.4				
	1914	15,036	6,651	5,234	924,478	98,253	721,070	105,155	10.6	78.0	11.4	2,832,349,437	249,090,365	2,319,606,599	262,692,473	8.8	81.9	9.3				
E. N. CENTRAL:																						
Ohio.....	1919	6,490	6,766	2,869	730,733	28,421	768,849	23,403	3.9	92.0	3.2	1,00,308,768	157,660,289	4,730,633,085	152,015,354	3.1	93.9	3.0				
	1914	6,059	5,775	2,924	510,435	32,628	449	244	28,563	8.8	80.0	5.8	2,247,322,819	1,782,585,279	91,374,001	91,374,001	5.0	89.8	5.2			
Indiana.....	1919	3,539	2,963	1,414	277,550	11,998	254,627	10,955	4.3	91.7	3.9	1,93,753,387	64,089,047	1,774,635,258	60,029,082	3.4	93.5	3.2				
	1914	3,768	2,630	1,376	197,503	13,574	173	176	10,753	6.9	87.7	5.4	730,795,021	40,198,487								

MANUFACTURES.

TABLE 26.—CHARACTER OF OWNERSHIP, BY GEOGRAPHIC DIVISIONS AND STATES: 1919 AND 1914—Continued.

DIVISION AND STATE	CEN- SUS YEAR	AVERAGE NUMBER OF WAGE EARNERS.												VALUE OF PRODUCTS.								
		NUMBER OF ESTABLISHMENTS OWNED BY—				In establishments owned by—				Percent of total.				Of establishments owned by—			Per cent of total.					
		Total	Individ- uals	Cor- porations	All others	Total	Individ- uals	Cor- porations	All others	Total	Individ- uals	Corpora- tions	All others	Total	Individ- uals	Corpora- tions	All others	Total	Individ- uals	Corpora- tions	All others	
SOUTH ATLANTIC																						
Delaware.....	1919	321	228	119	29,935	1,519	26,810	79	5.2	92.3	2.4	165,973,099	\$,607,487	150,957,146	4,508,370	5.8	91.4	2.7				
	1914	439	240	129	22,375	2,271	18,298	1,533	10.3	82.6	7.1	56,034,966	5,525,459	45,745,400	4,766,101	9.9	81.6	8.5				
Maryland.....	1919	2,665	1,200	1,071	140,312	14,025	110,865	15,061	10.3	79.0	10.8	874,911,774	81,391,812	707,408,302	85,144,660	9.3	80.9	9.7				
	1914	2,879	1,060	913	111,585	15,821	68,380	27,372	14.2	61.3	24.7	377,749,078	44,428,028	261,857,410	68,463,610	11.8	70.1	18.1				
Dist. Columbia.....	1919	369	178	108	10,482	1,617	8,986	779	15.4	77.1	7.4	68,829,570	8,788,001	53,176,339	6,861,333	12.8	77.3	10.0				
	1914	269	153	93	8,277	2,041	5,993	871	23.0	67.2	9.8	28,978,241	5,089,970	21,368,253	2,529,012	17.5	73.7	8.7				
Virginia.....	1919	2,407	1,370	1,287	119,332	10,801	101,475	7,091	9.0	85.0	5.6	613,511,621	42,955,484	569,599,058	39,955,470	6.7	87.1	0.2				
	1914	3,065	1,162	1,281	102,820	10,424	77,013	9,381	16.1	74.9	8.9	264,033,011	28,582,669	212,655,801	22,802,481	10.8	80.5	8.6				
West Virginia.....	1919	1,195	1,020	565	83,036	3,578	75,885	3,575	4.1	91.4	4.3	471,970,877	19,982,517	428,213,176	23,775,184	4.2	90.7	5.0				
	1914	1,304	903	540	71,078	5,064	62,139	5,382	7.1	87.8	5.0	193,511,782	11,258,057	171,832,047	10,423,178	5.8	88.5	5.4				
North Carolina.....	1919	3,065	1,603	1,326	157,659	13,081	13,573	9,227	8.3	85.8	5.9	943,807,919	38,216,110	853,423,735	41,538,101	5.2	90.4	4.4				
	1914	2,630	1,413	1,383	136,841	14,620	112,215	10,608	10.6	82.0	7.4	289,411,087	21,714,263	249,417,509	18,280,215	7.3	86.2	6.5				
South Carolina.....	1919	851	728	305	73,455	4,062	72,529	2,885	5.1	91.3	3.6	381,452,984	13,478,065	357,107,899	10,567,020	3.5	93.6	2.8				
	1914	935	672	338	71,821	4,721	61,656	2,417	6.0	89.0	3.4	138,891,202	5,992,528	129,481,783	3,416,391	4.3	93.2	2.5				
Georgia.....	1919	2,320	1,376	1,028	123,441	11,903	100,609	10,767	9.7	81.6	8.7	603,237,006	34,535,080	622,215,546	36,456,461	5.0	89.8	5.3				
	1914	2,150	1,231	1,126	104,451	12,343	98,781	11,757	12.0	76.8	11.2	250,270,511	15,877,335	220,795,094	16,598,082	6.3	87.2	6.6				
Florida.....	1919	1,259	759	637	74,413	9,200	53,699	10,512	12.4	72.5	14.1	212,326,811	22,290,515	160,210,162	23,826,131	10.4	77.0	11.6				
	1914	1,215	628	636	55,608	9,901	34,078	11,634	10.5	62.9	20.9	81,112,291	11,082,871	55,337,961	11,691,453	13.7	71.0	14.4				
E. S. CENTRAL																						
Kentucky.....	1919	1,880	1,150	917	69,340	5,517	58,857	4,305	8.0	81.9	7.1	335,630,417	26,934,727	338,646,978	30,018,712	6.8	85.6	7.6				
	1914	2,151	1,150	897	64,589	8,369	50,743	5,475	7.8	76.6	8.5	18,244,158	19,442,537	15,564,214	7.9	85.3	6.8					
Tennessee.....	1919	2,123	1,280	1,175	97,167	7,614	79,333	8,222	8.0	83.4	8.6	556,253,162	30,498,083	474,208,615	45,546,484	6.6	85.3	8.2				
	1914	2,108	1,150	1,207	75,975	9,719	55,868	8,886	13.1	75.0	11.9	212,071,489	19,752,525	167,931,900	24,427,061	9.3	79.2	11.5				
Alabama.....	1919	1,701	911	922	107,152	9,708	89,461	7,957	9.1	85.5	7.5	492,730,895	28,455,577	437,969,430	26,305,885	5.8	88.9	5.3				
	1914	1,586	874	782	75,717	9,885	61,057	7,775	12.6	77.6	9.9	178,797,633	13,061,732	155,384,198	10,351,713	7.3	86.9	5.8				
Mississippi.....	1919	1,282	498	675	57,500	8,335	41,930	7,301	11.5	72.8	12.7	107,746,987	25,663,980	149,371,210	22,811,797	12.9	75.5	11.5				
	1914	1,180	496	596	46,703	7,218	34,700	4,551	15.5	71.7	9.8	79,550,065	9,514,036	62,951,047	7,056,012	12.0	70.2	8.9				
W. S. CENTRAL																						
Arkansas.....	1919	1,557	691	870	49,955	7,352	36,567	6,015	14.7	71.2	12.1	200,312,858	25,815,399	149,038,772	25,428,087	12.9	74.4	12.7				
	1914	1,547	598	679	41,579	5,859	31,514	4,519	13.9	75.3	10.7	83,940,587	10,441,214	65,748,024	7,751,319	12.4	78.3	0.2				
Louisiana.....	1919	1,193	1,118	396	98,139	6,111	86,557	5,793	6.2	87.9	5.9	676,189,770	30,568,791	609,292,719	36,328,260	4.5	90.1	5.4				
	1914	975	699	339	77,166	6,198	66,294	5,288	7.8	85.3	6.8	22,568,108	14,595,127	22,568,108	18,189,413	5.7	87.2	7.1				
Oklahoma.....	1919	1,264	708	473	29,501	2,801	25,267	1,335	9.8	86.5	4.6	401,302,920	22,749,498	367,461,271	11,152,190	5.7	91.0	2.8				
	1914	1,263	519	436	17,415	3,008	13,177	1,324	17.4	71.7	8.0	102,665,693	8,048,451	88,639,116	5,268,126	7.9	86.9	5.2				
Texas.....	1919	2,847	1,673	1,223	107,522	11,133	86,638	9,451	10.6	80.6	8.8	960,097,796	57,348,290	882,138,923	60,510,583	5.7	88.2	6.1				
	1914	2,631	1,436	937	74,833	8,569	60,541	5,741	11.3	80.9	7.7	361,270,303	24,816,967	313,703,277	22,759,059	6.9	88.8	0.3				
MOUNTAIN																						
Montana.....	1919	647	450	246	17,160	1,662	14,839	659	9.7	86.5	3.8	166,664,518	8,372,148	153,484,856	4,807,512	5.0	92.1	2.9				
	1914	581	269	132	15,701	1,170	14,479	420	8.4	88.9	3.1	84,416,136	3,337,211	70,314,173	1,491,752	4.3	93.9	1.8				
Idaho.....	1919	447	281	151	14,941	1,051	12,047	782	7.4	86.8	5.6	80,510,740	5,701,035	70,230,665	4,576,617	7.1	87.2	5.7				
	1914	377	187	108	8,944	739	7,236	661	8.1	81.3	10.8	28,453,707	2,741,997	22,669,885	3,011,915	9.6	79.8	10.6				
Wyoming.....	1919	298	153	117	8,633	6,011	6,011	150	6.0	90.7	2.4	81,445,394	2,809,804	77,333,678	1,211,912	3.6	95.0	1.5				
	1914	180	122	49	2,986	29	2,646	6	8.3	84.1	2.0	11,223,417	1,047,357	9,153,345	1,222,633	9.3	85.1	5.5				
Colorado.....	1919	1,381	884	406	25,221	1,215	20,911	1,300	8.9	87.7	4.6	275,622,357	16,051,897	250,927,940	8,630,498	5.8	91.0	3.1				
	1914	1,125	709	294	27,278	2,703	23,738	875	9.9	87.0	3.1	136,839,321	9,073,660	124,513,226	3,252,435	6.6	91.0	2.4				
New Mexico.....	1919	181	135	71	5,733	302	4,168	866	86.9	9.3	3.2	17,856,602	2,001,512	15,001,235	763,825	11.7	84.0	4.3				
	1914	196	127	49	5,770	473	5,215	148	11.0	85.1	3.6	9,320,657	1,380,835	7,880,570	14,8	9.8	79.2	6.0				
Arizona.....	1919	227	151	92	8,528	618	7,606	250	7.2	82.8	2.9	120,769,112	3,551,146	115,651,302	1,563,664	2.9	95.8	1.3				
	1914	143	122	56	8,506	373	6,259	228</td														

POWER USED IN MANUFACTURING.

Number and horsepower of types of prime movers—(Table 27).—The importance of power in the manufacturing industries of the country is shown by Table 27, which gives for all industries combined the number and horsepower of the types of prime movers employed by manufacturing concerns, as reported at each census from 1869 to 1919, inclusive.

Primary power, as the term is used by the Bureau of the Census, comprises all power which is primary from the standpoint of the manufacturing establishments using it. It includes, therefore, not only the power of engines and water wheels owned and operated by the manufacturing establishments, but also rented power—that is, the power of electric motors run by purchased current and any other power that may be rented from outside concerns. Primary power does not include the power of electric motors run by current generated in the same establishment, as the inclusion of such power would result in duplication.

Prior to 1919 steam engines and steam turbines were reported as one total, but in 1919 of the 122,628 engines and turbines reported, 6,465 were turbines with horsepower amounting to 3,258,207. The number of units decreased from 1914 to 1919, but the power of such units increased. The number of internal-combustion engines, as reported for 1919, also shows a decrease over that for 1914, but the horsepower of such engines has increased. The use of water wheels, turbines, and motors has decreased not only in number but in power. However, the use of electric power (motors operated by purchased current) has more than doubled.

Statistics of the horsepower of electric motors used in manufacturing were first obtained at the census of 1889 when the total 15,569 horsepower was reported. Rented electric power was first reported separately in 1899, when 182,562 rented horsepower was used. In 1919 the amount of this kind of power had increased to 9,347,556, or more than fifty times as much as in 1889.

Electric power run by current generated by establishments reporting is not included in the total primary power. The use of this power is rapidly increasing. In 1914, 4,938,722 horsepower was reported and has increased to 6,960,721 in 1919.

In 1899, 64.3 per cent of all the establishments reported power, with an average of 75.5 horsepower per establishment. In 1919, 82 per cent of the

establishments reported power, with an average of 124 horsepower per establishment.

Number and horsepower of types of prime movers, by industries (Table 28).—The number and horsepower of the several types of prime movers are presented in Table 28 for each of the 350 industries for which separate statistics can be given. The number of establishments reporting power is also shown as well as the motors operated by current generated by establishments reporting. Power obtained from steam continues to predominate, in 1919 forming 57.7 per cent of the total primary power reported.

The total primary horsepower used exceeded one-half million in nine industries—steel works and rolling mills, lumber and timber products, manufacture of paper and wood pulp, cotton goods, blast furnace industries, foundry and machine shops, steam-railroad repair shops, flour-mill and gristmill products and manufacture of ice. The power of these nine industries combined amounted to 14,551,231 horsepower, or practically one-half (49.4 per cent) of the total for all industries.

Steam was the primary power in all but one of these industries—foundry and machine shops—where motors operated by purchased electric current was the principal kind of power used.

Number and horsepower of types of prime movers, by geographic divisions and states (Table 29).—The table shows for each state and geographic division the total horsepower used in manufacturing industries, and the amount of the various kinds of power. The greatest amount of power was used in the Middle Atlantic division, followed by the East North Central division. The states in these two divisions used more than one-half of the power of the entire country.

Pennsylvania, Ohio, and New York led in the use of steam power, reporting 36.7 per cent of the total used. Pennsylvania, Ohio, and Massachusetts led in the use of steam turbines, while Pennsylvania, Indiana, and Ohio led in the use of internal-combustion engines. New York, Maine, and Wisconsin led in the use of power from water wheels, turbines, and motors, while New York, Pennsylvania, and Ohio led in the use of purchased electric current. Although New York led in the use of power from water, the New England division reported more than one-third of the total power of water wheels, turbines, and motors used.

MANUFACTURES.

TABLE 27.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1869 TO 1919.

POWER.	1919	1914	1909	1904	1899	1889	1879	1869
Number of establishments.....	290,105	275,791	268,431	216,180	207,514	355,405	253,852	252,148
Number of establishments reporting power.....	237,554	205,590	185,042	134,431	133,418	100,726	85,923	(1)
Primary horsepower, total.....	29,504,792	22,457,072	18,675,376	13,487,707	10,097,593	5,938,035	3,410,837	2,340,142
Average horsepower per establishment.....	124.0	106.1	100.9	100.3	75.5	50.0	39.7	.....
Owned.....	20,062,636	18,409,941	16,802,706	12,854,805	9,778,418	5,850,064	3,410,837	2,340,142
Steam engines and turbines:								
Number.....	122,628	137,172	153,525	127,287	130,710	91,403	50,483	(1)
Horsepower.....	17,037,473	15,501,593	21,228,632	10,917,502	8,180,664	4,566,089	2,185,468	1,215,711
Steam engines:								
Number.....	116,163	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Horsepower.....	13,839,760	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Steam turbines:								
Number.....	6,465	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Horsepower.....	3,258,207	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Internal-combustion engines:								
Number.....	33,407	37,693	34,356	21,516	14,334	(1)	(1)	(1)
Horsepower.....	1,259,400	991,965	751,189	289,423	134,742	8,930	(1)	(1)
Water wheels, turbines, and motors:								
Number.....	14,008	18,099	21,282	20,962	23,009	39,005	55,404	(1)
Horsepower.....	1,763,263	1,826,443	1,822,888	1,647,880	1,454,112	1,255,045	1,225,370	1,130,431
Rented.....	9,442,155	4,027,131	1,872,670	632,902	319,475	88,571	(1)	(1)
Electric:								
Motors.....	966,000	451,002	199,399	.....	.....	.....	(1)	(1)
Horsepower.....	9,347,556	3,897,248	1,749,031	441,589	182,562	.....	(1)	(1)
Other horsepower.....	94,100	129,883	123,630	191,313	136,913	88,571	(1)	(1)
Electric.....	16,317,277	8,835,970	4,817,140	1,592,475	492,936	15,560	(1)	(1)
Rented:								
Motors.....	946,000	471,002	199,399	(1)	(1)	(1)	(1)	(1)
Horsepower.....	9,347,556	3,897,248	1,749,031	441,589	182,562	(1)	(1)	(1)
Generated by establishments reporting:								
Motors.....	4,7921	321,390	189,545	73,119	16,891	(1)	(1)	(1)
Horsepower.....	6,098,721	4,938,722	3,095,103	1,150,886	310,374	(1)	(1)	(1)

¹ Figures not available.² Includes 29,263 horsepower reported as "other" owned power in 1869; 12,154 horsepower in 1904; 49,985 horsepower in 1899; and 4,784 horsepower in 1889.

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TABLE 28.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS, BY INDUSTRIES: 1919.

INDUSTRY.	Number of establishments reporting.	Total primary horsepower.	PRIMARY HORSEPOWER.												ELECTRIC POWER GENERATED BY ESTABLISHMENTS REPORTING.	
			Owned by establishments reporting.								Rented or purchased power.					
			Steam engines.				Steam turbines.		Internal-combustion engines.		Water wheels, turbines, and motors.		Electric.			
			Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.		
All industries.....	237,054	29,564,732	116,183	13,839,832	6,425	3,198,141	33,407	1,259,400	14,068	1,765,262	98,000	9,347,558	94,600	487,021	6,969,721	
Aeroplanes, seaplanes, and airships, and parts.....	26	12,512	2	125	1	200	...	...	74	6,373	4,594	12,187	...	106	600
Agricultural implements.....	407	128,249	303	51,107	31	18,835	166	4,092	74	4,542	3,939	47,542	3,399	52,421		
Aluminum manufactures.....	82	30,280	19	4,859	12	7,513	9	1,103	1	80	945	16,725	625	10,600		
Ammunition.....	39	39,128	59	6,030	21	12,170	11	2,241	3	141	1,764	17,686	1,877	15,973		
Artificial flowers.....	82	468	1	50	...	...	1	5	...	256	413	...	...	...
Artificial limbs.....	130	857	1	25	...	...	8	71	4	143	221	618	15	98	
Artificial stone products.....	1,854	22,221	177	4,006	4	42	1,165	5,810	24	351	1,632	11,969	49	567		
Artists' materials.....	43	3,206	11	1,104	1	250	9	225	2	240	164	1,387	...	...
Asbestos products, not including steam packing.....	44	9,657	27	2,255	4	1,850	2	47	1	60	337	5,445	124	1,906		
Automobile bodies and parts.....	2,371	256,919	276	32,920	26	8,760	179	12,066	15	566	21,773	202,458	149	1,647	17,746	
Automobiles.....	308	287,323	170	45,423	24	59,100	21	861	...	...	14,283	176,920	5,000	11,419	93,426
Automobile repairing.....	14,825	82,691	115	1,721	5	42	2,033	17,571	28	132	19,737	63,057	168	147	518	
Awnings, tents, and sails.....	778	4,589	7	349	...	...	9	89	...	2,621	4,123	18	14	63	
Babbitt metal and solder.....	76	6,022	15	2,937	...	...	6	160	...	340	2,923	2	219	2,752	
Bags, other than paper, not including bags made in textile mills.....	203	9,082	32	4,116	1	100	6	150	...	...	1,012	4,710	6	648	3,454
Bags, paper, exclusive of those made in paper mills.....	64	4,420	16	1,480	...	...	5	87	1	75	907	2,787	265	624	
Baking powders and yeast.....	69	20,071	83	10,262	16	4,010	6	88	...	...	453	5,711	594	5,947	
Baskets, and rattan and willow ware.....	161	6,319	96	4,157	...	...	18	153	10	370	228	1,609	5	60	
Bells.....	10	783	2	132	...	...	2	155	6	402	14	114	1	20	
Bolting and hose, rubber.....	15	26,299	40	6,255	8	4,095	2	406	6	618	520	14,415	346	8,308		
Bolting and hose, woven, other than rubber.....	40	5,338	15	1,688	...	...	3	25	3	160	362	3,428	51	376	
Bolting, leather.....	139	7,039	27	3,907	2	450	10	87	1	55	433	2,453	27	111	320	
Billiard tables, bowling alleys, and accessories.....	40	5,322	3	305	...	...	2	12	...	...	553	4,044	61	3	25
Blackings, stains, and dressings.....	135	2,490	25	1,509	2	90	6	62	...	...	227	755	66	550	
Bluing.....	34	423	...	...	...	...	2	30	...	...	76	393	5	12	
Bone, carbon, and lamp black.....	25	1,857	9	455	...	...	42	911	...	...	34	491	...	...
Bookbinding and blank-book making.....	922	11,123	10	555	...	...	12	133	...	...	6,536	10,349	86	...	
Boot and shoe stock, exclusive of that produced in boot and shoe factories.....	233	9,003	25	1,765	...	...	5	43	1	2	843	6,638	555	71	521
Boot and shoe findings, exclusive of those produced in boot and shoe factories.....	323	10,682	16	3,507	2	115	4	40	8	460	1,267	5,848	712	75	1,053	
Boots and shoes, not including rubber boots and shoes.....	1,391	120,632	354	46,655	17	10,612	36	908	14	2,021	11,608	55,690	4,746	4,581	28,102	
Boots and shoes, rubber.....	28	49,400	51	21,070	1	150	17	297	...	...	2,462	1,757	25,718	415	2,602
Boxes, cigar.....	167	5,059	36	2,448	...	...	17	297	...	...	561	2,264	50	38	312
Boxes, paper and other, not elsewhere specified.....	1,144	54,955	178	19,491	6	2,980	65	1,124	21	1,964	8,338	23,116	280	1,897	9,119	
Boxes, wooden packing, except cigar boxes.....	1,051	144,048	750	95,021	15	4,999	115	1,903	40	2,495	3,727	39,185	465	1,203	12,515	
Brass, bronze, and copper products.....	1,011	266,088	195	61,862	38	54,655	104	3,540	21	2,320	8,759	142,990	315	2,468	40,593	
Bread and other bakery products.....	17,151	165,950	389	31,230	31	3,020	869	5,274	44	522	37,602	125,065	230	3,709	20,723	
Brick and tile, terra-cotta, and fire-clay products.....	2,216	405,746	2,730	277,577	39	4,238	409	17,456	1	40	3,408	105,846	589	1,430	27,508	
Brooms.....	766	6,062	29	1,467	...	...	170	987	6	36	990	3,547	53	332	
Brushes.....	330	7,384	33	2,691	1	3	29	445	10	221	895	3,947	77	348	1,530	
Butter.....	3,661	95,190	2,326	40,340	86	1,165	459	5,522	39	748	5,628	41,187	228	700	5,347	
Butter, reworking.....	4	343	3	114	...	...	1	12	...	...	9	217	37	598	
Buttons.....	413	16,201	64	5,975	1	300	71	1,047	6	267	962	8,117	405	32	174	
Candles.....	14	597	11	545	...	...	...	...	...	...	10	52	...	...
Canning and preserving, fish.....	322	24,865	298	13,607	11	452	207	2,484	1	4	1,156	8,198	60	174	1,472	
Canning and preserving, fruits and vegetables.....	2,675	132,422	2,764	84,321	76	2,263	702	6,162	5	81	5,617	39,420	175	1,242	6,603	
Canning and preserving, oysters.....	47	1,025	46	858	...	...	10	125	1	5	9	37	...	...
Card cutting and designing.....	66	743	1	60	...	...	8	53	...	...	270	630	25	1,172	
Cardboard, not made in paper mills.....	16	3,276	13	2,410	...	...	2	45	4	169	101	3,547	2,357	18,012	
Carpets and rugs, other than rag.....	68	35,170	77	22,952	10	5,825	2	85	11	2,207	688	6,524	577	12	62	
Carpets, rug.....	237	2,674	15	359	...	...	34	269	...	...	471	2,001	15	...	
Carriage and wagon materials.....	239	23,700	180	17,563	3	135	34	498	11	545	601	4,961	28	165	2,894	
Carriages and sleds, children's.....	75	6,071	20	2,371	1	50	7	119	9	405	429	5,126	32	174		
Carriages and wagons, including repairs.....	1,888	40,960	170	17,919	5	2,169	537	4,294	27	895	3,762	15,038	650	737	9,868	
Cars and general shop construction and repairs by electric-railroad companies.....	500	53,830	45	5,875	...	...	11	564	...	...	3,521	47,366	25	190	2,650
Cars and general shop construction and repairs by steam-railroad companies.....	1,470	594,515	2,358	325,738	162	40,668	158	6,993	11	841	11,626	207,630	3,445	18,549	292,511	
Cars, electric-railroad, not including operations of railroad companies.....	6	9,380	7	1,900	...	...	...	...	...	...	563	7,430	124	1,530	
Cars, steam-railroad, not including operations of railroad companies.....	92	157,865	261	55,510	36	30,496	17	2,848	1	100	3,402	62,827	75	6,605	107,658	
Cash register and calculating machines.....	61	14,050	21	9,015	2	2,250	1	15	2	250	456	3,115	5	1,237	14,498	
Cement.....	117	458,808	416	198,353	61	70,656	63	24,763	8	3,590	4,138	182,486	4,362	163,049		
Charcoal, not including production in the lumber and wood distillation industries.....	7	132	...	...	...	...	3	34	...	...	8	98	32	...	142
Cheese.....	2,508	24,500	1,771	17,709	180	1,740	747	3,000	11	112	332	1,790	89	32		
Chemicals.....	456	376,940	1,136	127,164	210	114,585	122	5,004	31	3,692	10,492	126,419	76	6,960	109,554	

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TABLE 28.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS, BY INDUSTRIES: 1919—Continued.

INDUSTRY.	Number of establishments reporting.	Total primary horsepower.	PRIMARY HORSEPOWER.								ELECTRIC POWER GENERATED BY ESTABLISHMENTS REPORTING.					
			Owned by establishments reporting.						Rented or purchased power.							
			Steam engines.		Steam turbines.		Internal-combustion engines.		Water wheels, turbines, and motors.		Electric.					
			Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.				
Chewing gum.	57	6,178	15	2,530	1	50	1	10	535	3,573	6	207	1,552			
China decorating, not including that done in potteries.	13	43							20	43						
Chocolate and coco products.	46	33,440	52	15,273		8	1,783	14	300	1,171	16,058	26	1,050	8,404		
Clothing and polishing preparations.	243	4,520	22	1,176		23	197		450	3,137	10	45	228			
Clocks.	30	6,952	18	3,700	1	150	3	62	255	344	2,725		876	2,187		
Cloth, sponging and refinishing.	50	952	8	412		2	20		248	495	25	12	25			
Clothing, horse.	25	1,577	0	1,102		1	25		90	360		114	875			
Clothing, men's, buttonholes.	4,040	40,577	114	8,300	4	163	126	1,008	15	258	13,160	30,410	379	738	2,710	
Clothing, men's, buttonholes.	101	180	2	12					238	164	13	1	2			
Clothing, women's.	7,414	32,022	28	2,283		43	520	3	75	23,710	29,534	201	51	403		
Coal-tar products.	100	68,342	334	24,310	39	16,388	14	265	2,162	27,376	3	3,343	26,317			
Coffee and spice, roasting and grinding.	776	29,750	51	4,095	2	500	37	961	4,401	24,050	44	744	4,029			
Coffins, burial cases, and undertakers' goods.	304	22,445	104	10,012		28	660	10	739	1,030	1,879	155	455	3,993		
Coke, not including gas-house coke.	155	224,579	786	75,258	155	73,222	6	1,850	1,950	74,551		3,969	134,612			
Collars and cuffs, men's.	35	5,286	18	1,806	4	2,020	1	25	1	75	1,260	10	511	2,580		
Combs and hairpins, except those made from metal or rubber.	41	1,600	15	807		1	60	4	102	133	619	12				
Condensed milk.	308	49,181	696	35,206	30	2,003	28	772	13	695	10,502	3	2,495	11,594		
Confectionery and ice cream.	5,487	179,601	724	51,251	21	1,512	543	11,800	18	60	19,787	115,030	203	3,642	25,275	
Cooperage.	407	30,608	238	22,776	6	310	47	617	21	410	992	6,563	10	141	3,750	
Copper, tin, and sheet-iron work.	1,538	24,144	30	2,006		255	2,946	4	30	3,506	19,148	14	314	2,261		
Cordage and twine.	117	66,043	100	36,553	12	4,292	10	645	36	4,210	1,062	20,847	87	373	10,206	
Cordials and flavoring syrups.	92	3,177	16	2,060		1	2	2	270	1,104			139	407		
Cork, cutting.	58	8,083	26	2,099			1	25	670	6,432	127	210	1,113			
Corsets.	176	7,150	30	4,176		15	107	1	10	907	2,663	200	542	2,400		
Cotton goods.	1,278	1,840,201	1,407	766,073	215	257,073	30	2,630	1,200	305,204	38,152	515,309	3,903	23,303	340,300	
Cotton lace.	44	9,078	64	6,423	2	235	4	77	4	175	640	2,118		610	2,610	
Cotton small wares.	100	14,203	37	5,007		7	120	23	1,783	1,151	6,260	178	369	1,512		
Crucibles.	22	2,714	14	852						120	1,802		14	195		
Cutlery and edge tools.	200	33,958	80	13,492	5	614	45	1,905	70	6,286	2,115	16,258	403	403	7,827	
Dairyman's, poultrymen's, and apiculturists' supplies.	200	11,756	41	4,160	9	1,870	40	487	5	62	801	5,178		909	5,437	
Dental goods.	282	2,716	9	823		8	286		1,824	1,509	8	99	471			
Drug grinding.	31	6,725	43	2,945	9	2,500	3	50	1	12	64	1,216	2	100	326	
Druggists' preparations.	311	12,698	85	7,731	1	500	27	173	2	2	1,220	4,264	28	1,495	4,108	
Dyeing and finishing textiles, exclusive of that done in textile mills.	580	160,430	1,903	85,800	70	32,298	28	2,124	80	13,543	3,506	25,993	573	5,553	50,800	
Dyestuffs and extracts—natural.	117	34,320	232	28,310	24	2,073	9	201	3	113	294	2,602	26	245	5,640	
Electrical machinery, apparatus, and supplies.	1,345	438,830	274	62,000	51	131,231	103	7,446	17	1,800	42,023	235,005	757	38,472	213,701	
Electroplating.	484	7,078	6	152		35	601	1	15	1,006	6,020	290	9	25		
Emery and other abrasive wheels.	58	12,963	19	1,404	2	1,007	3	12		694	9,820		108	1,992		
Enameling.	55	1,183	6	377						105	801	5	47	355		
Engines, steam, gas, and water.	364	190,021	198	42,737	40	27,845	216	15,773	6	335	10,008	103,315	16	7,488	110,412	
Engravers' materials.	20	759	1	150		4	106			50	474	26				
Engraving and die-making.	241	1,760	4	195		5	43		462	1,512	10					
Engraving, steel and copper plate, including plate printing.	208	5,420	13	799			5	40	1	5	1,884	4,509	67	154	536	
Engraving, wood.	19	67							39	67						
Envelopes.	102	7,187	24	2,576	1	35	4	265	1	125	2,018	4,123	63	920	1,638	
Explosives.	115	51,635	293	23,304	31	10,372	5	40	44	1,433	1,058	16,486		1,621	22,819	
Fancy articles, not elsewhere specified.	425	8,982	24	1,834		18	282	14	427	1,370	6,114	325	52	220		
Feathers and plumes.	96	594	2	280		2	13		108	220	62	12	165			
Felt goods.	47	16,411	68	7,805	4	2,025	2	4	21	2,341	411	4,230		500	3,890	
Ferronloys.	28	37,087	94	32,235	2	185	3	88		422	4,570		106	19,456		
Fertilizers.	504	125,930	549	30,274	6	1,208	210	4,862	24	769	3,758	79,883		777	13,225	
Filles.	48	11,905	31	7,232		0	256	1	25	210	4,384	8	41	808		
Firearms.	25	26,167	6	846	0	13,350		2	158	846	11,813		548	9,030		
Fire extinguishers, chemical.	22	855				3	11		87	844						
Fireworks.	24	1,005	12	535		3	30	2	40	65	400		26	40		
Flags and banners.	64	778	3	225		2	42	1	50	180	461		8	15		
Flavoring extracts.	183	3,376	11	455		16	103	1	1	715	2,817		40	80		
Flax and hemp, dressed.	18	1,920	12	1,345	2	110	1	80		23	385		1	10		
Flour-mill and gristmill products.	10,673	876,405	2,916	302,826	66	26,703	3,427	96,291	4,030	180,087	9,007	203,497	941	1,826	46,113	
Food preparations, not elsewhere specified.	1,675	150,230	450	42,874	20	9,019	281	5,337	14	795	8,708	91,643	561	2,110	21,155	
Foundry and machine-shop products.	10,597	1,054,840	2,428	267,620	142	45,437	2,158	53,717	238	13,445	83,061	600,037	14,575	25,197	203,758	
Foundry supplies.	62	6,328	21	2,640		11	405	5	315	201	2,907	1	31	583		
Fuel, manufactured.	11	5,180	14	1,845						154	3,335		8	220		
Fur goods.	1,616	5,327	6	870		2	14	1	3	5,785	4,340					
Furnishing goods, men's.	408	5,065	30	2,644		11	140	3	75	1,737	2,800	6	339	1,242		
Furniture.	2,750	202,703	1,199	167,312	38	7,885	210	4,279	80	4,713	12,062	80,527	1,987	6,584	50,194	
Furs, dressed.	124	5,621	22	1,832	3	60	5	52		544	3,477	200	50	332		
Galvanizing, and other coating processes.	40	1,681	6	123	1	25	6	457		133	966	60	106	1,048		
Gas and electric fixtures.	301	9,010	34	4,172		27	588	5	102	908	4,734	254	385	2,682		

POWER USED IN MANUFACTURING.

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TABLE 28.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS, BY INDUSTRIES: 1919—Continued.

INDUSTRY.	Number of establish- ments report- ing.	Total primary horse- power.	PRIMARY HORSEPOWER.												ELECTRIC POWER GENERATED BY ESTABLISHMENTS REPORTING.	
			Owned by establishments reporting.								Rented or purchased power.					
			Steam engines.		Steam turbines.		Internal-combustion engines.		Water wheels, turbines, and motors.		Electric.		Other.			
			Num- ber.	Horse- power.	Num- ber.	Horse- power.	Num- ber.	Horse- power.	Num- ber.	Horse- power.	Num- ber.	Horse- power.	Num- ber.	Horse- power.		
Gas.....	707	238,407	2,800	148,308	640	48,023	151	7,574	13	100	1,413	33,303	13	1,822	22,040	
Gas machines and gas and water meters.....	97	8,001	0	515	1	60	33	1,714	700	6,207	15	155	1,174			
Glass.....	359	207,430	411	80,715	24	18,425	371	52,877	228	2,457	3,397	52,864	92	6,323	60,201	
Glass, cutting, staining, and ornamenting.....	475	5,110	13	628			32	362	2	39	910	4,023	68	4	70	
Gloves and mittens, cloth, not including gloves made in textile mills.....	169	3,304	0	267	1	120	14	124			733	2,853		40	102	
Gloves and mittens, leather.....	300	3,288	14	918			17	73	11	302	740	1,095		18	60	
Glucos and starch.....	52	52,816	101	10,285	19	28,201	13	3,45	8	530	3,585	810		2,860	44,150	
Glue, not elsewhere specified.....	48	16,970	80	13,684	4	2,500	5	102			62	993		818	11,201	
Gold and silver, leaf and foil.....	51	408	2	65			8	28			87	317		1	5	
Gold and silver, reducing and refining, not from the ore.....	72	3,270	9	1,015	1	62	10	94			398	1,070	138	18	162	
Graphite, ground and refined.....	24	7,445	17	2,408			4	238	6	475	114	4,209		6	122	
Grease and tallow, not including lubricating greases.....	353	25,584	362	16,800	23	1,437	38	330			408	6,062	40	339	5,700	
Grindstones.....	23	3,631	80	2,470			24	446			21	700		5	170	
Heirecloth.....	15	1,163	6	620			2	200			10	140		181		
Hair work.....	43	119	2	70							45	40				
Hammocks.....	0	92					1	60			7	42				
Hand stamps.....	211	1,474	7	517			2	12	1	4	540	941		105	278	
Hardware.....	519	67,589	102	23,001	14	5,915	63	1,708	32	1,550	3,205	33,800	405	840	11,200	
Hardware, saddlery.....	36	7,101	20	4,300	1	1,000	12	209	2	80	82	1,551	15	113	2,305	
Hat and cap materials.....	107	4,027	24	3,007			6	65	5	205	352	1,050		132	920	
Hats and caps, other than felt, straw, and wool.....	651	1,087	6	158			2	7			1,705	1,522		16	15	
Hats, fur-felt.....	150	20,380	98	14,251	1	1,000	2	10	1	120	705	4,996	12	1,084	4,086	
Hats, straw.....	137	3,302	28	1,770			3	131	2	240	403	1,235	10	155	682	
Hats, wool-felt.....	33	2,090	15	1,874			3	305	111	455		2	53	400		
Hones and whetstones.....	11	1,104	5	705			4	69	6	285	7	105		20	261	
Horseshoes, not made in steel works or rolling mills.....	16	3,874	10	2,403			5	116	2	175	68	1,120		14	195	
House-furnishing goods, not elsewhere specified.....	402	12,249	35	5,077	1	360	19	163	5	502	1,335	5,705	392	108	926	
Ice, manufactured.....	2,778	672,070	4,324	303,312	110	18,030	436	28,003	58	2,542	5,058	132,438	3,045	2,511	26,114	
Ink, printing.....	80	10,353	28	5,335			10	631	3	20	284	4,184	124	109	2,725	
Ink, writing.....	23	610	4	381			4	38			100	101		60	205	
Instruments, professional and scientific.....	320	13,020	25	3,204			20	395	1	26	1,684	9,357	30	805	2,600	
Iron and steel, blast furnaces.....	193	1,581,432	2,087	907,501	213	262,916	137	288,015	10	371	1,004	45,204	25	8,440	104,360	
Iron and steel, steel works and rolling mills.....	409	3,820,917	4,730	2,240,940	679	610,710	141	267,473	33	0,041	22,053	605,067	2,700	63,427	1,050,490	
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	141	40,050	80	14,000	4	145	22	1,601	10	690	2,286	32,557		524	13,830	
Iron and steel, cast-iron pipe.....	58	28,741	86	10,547	4	750	1	4	1	200	948	17,240		1,158	18,283	
Iron and steel, doors and shutters.....	51	4,013	8	1,105			0	225	3	350	334	2,333		29	687	
Iron and steel, forgings, not made in steel works or rolling mills.....	230	101,951	187	10,017	20	8,101	35	1,602	7	848	4,048	73,738	955	1,180	10,055	
Iron and steel, nails and spikes, cut and wrought, including wirenails, not made in steel works or rolling mills.....	61	8,074	21	3,495			8	297	16	690	270	4,483	3	32	887	
Iron and steel, tempering and welding.....	432	8,804	14	877			45	603			853	7,315	9	13	122	
Iron and steel, wrought pipe.....	47	23,025	50	12,206	2	1,100	3	160			955	10,460		1,447	18,718	
Ivory, shell, and bone work, not including combs and hairpins.....	42	654	8	407			4	53	1	25	100	304	75	1	25	
Japanning.....	29	311	1	25							90	281	5			
Jewelry.....	1,800	16,380	27	1,587	1	60	31	545	3	114	6,085	12,790	1,203	280	2,000	
Jewelry and instrument cases.....	107	1,091	2	200			8	102			234	773	16	10	59	
Jute goods.....	28	32,135	28	8,420	2	6,100	1	12	0	13,046	151	4,557		300	13,076	
Kilt goods.....	1,962	161,601	609	65,569	20	7,434	63	814	236	12,911	10,923	50,650	2,163	4,581	31,457	
Labels and tags.....	103	4,001	7	1,283	1	34	11	405	1	817	2,817	2,309	28	606	2,519	
Lamps and reflectors.....	152	12,708	14	1,807			14	681	2	65	1,204	10,109	80	79	885	
Lapidary work.....	115	690					2	0			610	674				
Lord, not made in slaughtering and meat-packing establishments.....	4	40	2	25							3	15				
Lasts.....	63	5,642	24	3,985			9	106	1	20	201	2,023	303	183	2,059	
Lead, bar, pipe, and sheet.....	29	5,637	23	3,090			1	66			82	2,382		134	1,984	
Leather goods, not elsewhere specified.....	438	3,002	17	606			17	217	5	26	1,145	2,001	62	46	1,80	
Leather, tanned, curried, and finished.....	650	218,238	1,110	124,801	123	25,900	60	6,438	26	2,020	4,320	58,494	477	0,272	85,441	
Lime.....	301	51,735	320	18,732	0	1,214	130	2,044	4	250	1,161	28,595		172	3,580	
Linen goods.....	10	6,030	10	2,516	1	480	8	121	16	1,580	204	1,402		33	1,095	
Liquors, distilled.....	20	16,494	82	7,630	5	500	3	32	1	660	177	8,263		170	2,318	
Liquors, malt.....	718	324,431	2,082	209,093	67	7,348	34	3,051	29	194	4,078	41,844	2,301	0,861	38,911	
Liquors, vinous.....	214	5,189	45	379			124	590	1	12	408	3,702		18	20	
Lithographing.....	202	18,024	48	6,188	2	254	11	575			3,475	11,533	74	1,886	7,424	
Locomotives, not made by railroad companies.....	17	97,187	78	27,010	8	7,055	5	3,365			2,927	59,084	683	2,896	59,780	
Looking-glass and picture frames.....	219	4,650	17	1,434			3	19			740	3,200	30	10	27	
Lubricating greases.....	41	2,178	11	1,102			8	203			94	723		40	981	
Lumber and timber products.....	25,185	2,358,087	32,998	2,028,433	605	152,305	1,722	28,228	1,384	62,447	4,013	83,872	3,692	8,388	195,608	

MANUFACTURES.

TABLE 28.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS, BY INDUSTRIES: 1919—Continued.

INDUSTRY.	Number of establishments reporting.	Total primary horsepower.	PRIMARY HORSEPOWER.												ELECTRIC POWER GENERATED BY ESTABLISHMENTS REPORTING.	
			Owned by establishments reporting.								Rented or purchased power.					
			Steam engines.		Steam turbines.		Internal-combustion engines.		Water wheels, turbines, and motors.		Electric.		Other.			
			Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.		
Lumber, planing-mill products, not including planing-mills connected with saw-mills.	5,232	410,671	2,674	222,953	55	12,000	741	15,283	126	4,633	16,944	162,195	2,601	3,522	37,400	
Machine tools.	397	100,433	132	20,325	17	6,650	55	2,249	16	1,033	7,751	70,037	130	3,057	28,780	
Malt.	54	27,483	93	16,272	3	2,000	.....	.....	3	450	410	8,761	.....	589	12,018
Marble and stone work.	3,338	170,132	1,000	50,373	11	710	766	10,175	20	4,891	0,065	94,028	655	603	12,005	
Matches.	21	12,947	27	6,041	5	3,022	1	4	.....	.....	472	3,380	.....	1,434	6,531
Mats and matting, from coco fiber, grass, coir, etc.	12	1,070	6	1,245	1	10	1	70	.....	.....	135	345	.....	35	355
Mattresses and spring beds, not elsewhere specified.	907	23,400	30	3,507	2	250	60	1,001	10	381	3,541	18,158	82	102	1,156	
Military and lace goods, not elsewhere specified.	2,244	12,482	46	3,248	.....	.....	21	254	8	170	7,382	8,738	72	362	1,360
Millstones.	3	132	1	00	.....	.....	1	12	2	.....	.....	60	.....	.....	.....
Mineral and soda waters.	4,800	41,764	394	11,284	17	1,361	720	3,277	52	97	8,657	25,148	507	517	2,031	
Minerals and earths, ground or otherwise treated.	403	127,074	708	50,301	9	2,060	149	4,456	52	6,712	1,473	55,520	10	196	5,928	
Mirrors, framed and unframed, not elsewhere specified.	155	4,328	28	1,815	2	200	11	173	1	1	334	2,044	95	68	382	
Models and patterns, not including paper patterns.	853	13,869	8	4,748	2	155	62	773	2	20	1,930	8,054	119	8	54	
Motorcycles, bicycles, and parts.	48	14,800	10	3,700	1	270	4	77	2	00	983	10,283	386	54	1,350	
Mucilage, paste, and other adhesives, not elsewhere specified.	90	3,242	33	1,373	.....	.....	5	108	2	158	185	1,503	40	25	324
Musical instruments and materials, not elsewhere specified.	162	3,296	5	142	.....	.....	13	88	5	100	1,030	2,880	67	21	27
Musical instruments, organs.	62	3,251	14	1,360	.....	.....	8	188	.....	.....	455	1,607	0	131	400
Musical instruments, pianos.	173	28,732	122	19,015	25	807	6	623	1	100	1,007	8,152	35	1,049	9,118	
Musical instruments, piano and organ materials.	100	15,821	55	9,675	2	55	11	460	13	336	757	5,181	105	647	4,200	
Needles, pins, and hooks and eyes.	91	8,407	25	3,492	3	633	1	4	14	822	715	3,472	44	210	2,431	
Nets and seines.	10	950	4	730	1	25	1	25	.....	.....	94	204	.....	65	312
Oakum.	6	533	7	410	.....	.....	2	50	6	73	.....	.....	.....	.....	.....
Oil and cake, cottonseed.	708	200,636	1,081	102,336	17	3,020	126	10,857	12	1,512	1,084	82,256	655	438	11,144	
Oil, essential.	33	1,633	37	1,512	.....	.....	13	129	2	50	18	142	47	47	350
Oil, linseed.	26	17,621	33	9,175	.....	.....	1	250	180	8,100	.....	.....	123	2,070	.....
Oil, not elsewhere specified.	224	30,075	280	21,749	.....	.....	38	674	1	4	600	7,630	8	186	3,252
Oilcloth and linoleum, floor.	22	23,509	108	12,655	4	1,066	1	2	.....	.....	773	9,180	.....	807	8,533
Oilcloth, enameled.	11	4,501	7	876	1	75	.....	.....	.....	.....	438	3,301	250	60	200
Oleomargarine.	41	9,436	42	5,151	.....	.....	1	12	1	25	392	4,247	.....	109	2,103
Optical goods.	492	15,710	7	735	3	4,021	6	56	2	54	3,728	10,783	61	.....	.....
Ordnance and accessories.	25	40,652	23	6,069	3	1,631	5	187	1	200	1,838	31,965	.....	565	6,085
Paints.	551	73,702	270	20,004	13	3,320	57	2,462	20	950	2,270	36,685	372	1,282	10,168	
Paper and wood pulp.	722	1,851,014	2,918	650,208	239	129,775	37	3,101	2,558	910,863	6,001	236,002	1,315	11,755	11,024	
Paper goods, not elsewhere specified.	284	35,538	74	15,803	6	1,885	17	255	12	2,200	2,069	15,160	169	1,748	10,498	
Paper patterns.	6	68	.....	.....	.....	.....	.....	.....	.....	.....	37	68	.....	.....	.....
Patent medicines and compounds.	980	25,077	134	1,016	2	31	65	744	9	53	2,784	14,425	205	851	4,021	
Paving materials.	852	101,543	1,436	101,012	22	4,560	205	4,104	0	607	1,708	81,170	72	160	5,551	
Peanuts, grading, roasting, cleaning, and shelling.	77	7,351	38	4,015	1	400	6	313	.....	.....	203	3,023	.....	44	555
Pencils, lead.	12	8,090	15	4,215	1	400	2	48	.....	.....	407	3,436	.....	200	2,081
Pens, fountain and stylographic.	52	1,517	2	315	1	320	8	86	2	100	351	671	25	61	545	
Pens, gold.	15	180	.....	.....	.....	.....	1	5	.....	.....	52	140	15	.....	.....
Pens, steel.	4	305	3	287	.....	.....	1	10	.....	.....	4	8	.....	18	87
Perfumery and cosmetics.	252	2,198	10	295	4	295	4	34	.....	.....	776	1,867	7	7	10
Petroleum, refining.	257	238,008	2,256	95,020	204	49,723	047	42,647	20	131	3,576	51,385	.....	3,080	57,240
Phonographs and graphophones.	147	40,168	46	9,034	8	12,280	8	306	2	175	2,302	17,049	5	1,249	14,544	
Photographic apparatus.	41	2,321	2	375	.....	.....	2	28	.....	.....	386	1,918	.....	74	274
Photographic materials.	124	20,458	50	10,791	3	2,735	5	68	.....	.....	2,285	12,864	.....	2,777	10,372
Photo-engraving, not done in printing establishments.	393	3,800	1	25	.....	.....	3	58	1	1	2,899	3,716	.....	14	13
Pickles, preserves, and sauces.	501	22,500	210	12,549	1	30	131	1,190	1	50	2,292	8,565	116	1,510	8,310	
Pipes, tobacco.	48	2,001	9	700	4	49	49	49	.....	.....	188	1,252	.....	116	372
Plated ware.	64	14,252	36	5,420	2	2,598	7	200	10	512	594	5,482	40	624	5,398	
Plumbers' supplies, not elsewhere specified.	199	29,762	90	15,184	3	905	22	070	5	373	1,110	12,663	67	736	7,505	
Pocketbooks.	113	431	.....	.....	.....	.....	.....	.....	.....	.....	370	431	.....	.....	.....
Pottery.	296	29,090	239	18,124	3	385	40	1,113	2	106	1,203	9,312	50	824	4,835	
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	87	4,016	36	1,951	4	107	26	75	185	1,958	114,411	485	69	253	.....
Printing and publishing, book and job.	11,875	131,961	133	13,337	8	528	400	3,095	26	75	66,733	114,411	485	2,032	9,306	
Printing and publishing, music.	26	634	.....	.....	2	12	.....	.....	272	.....	.....	.....	622	.....	.....
Printing and publishing, newspapers and periodicals.	12,735	104,361	218	24,609	11	367	3,027	13,277	160	784	48,987	154,947	287	4,009	17,743	
Printing materials.	74	1,357	11	213	4	83	83	83	2	106	320	1,055	6	9	18	
Pulp, from fiber other than wood.	5	833	2	350	.....	.....	2	400	6	83	.....	.....	.....	.....	.....
Pulp goods.	38	12,273	52	6,352	1	400	.....	.....	17	2,015	203	3,506	.....	201	3,022
Pumps, not including power pumps.	119	10,346	26	2,029	21	809	5	200	5	978	7,303	1,333	1,211	.....	.....
Pumps, steam and other power.	106	22,155	48	6,753	5	3,300	17	670	2	90	1,067	11,282	60	262	3,624	
Refrigerators.	111	13,232	44	7,653	3	356	14	465	581	4,555	203	418	2,415	

POWER USED IN MANUFACTURING.

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TABLE 28.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS, BY INDUSTRIES: 1919—Continued.

INDUSTRY.	Number of establishments reporting.	Total primary horse-power.	PRIMARY HORSEPOWER.												ELECTRIC POWER GENERATED BY ESTABLISHMENTS REPORTING.	
			Owned by establishments reporting.								Rented or purchased power.					
			Steam engines.		Steam turbines.		Internal-combustion engines.		Water wheels, turbines, and motors.		Electric.		Other			
			Num- ber.	Horse- power.	Num- ber.	Horse- power.	Num- ber.	Horse- power.	Num- ber.	Horse- power.	Num- ber.	Horse- power.	Horse- power.	Num- ber.	Horse- power.	
Regalia, and society badges and emblems.	81	1,333	2	200	4	60	21	63	364	1,008	12	54	194	54	194	
Rice, cleaning and polishing.	88	27,382	90	18,821	4	60	21	67	188	5,762	2,042	67	875	530	8,353	
Roofing materials.	133	30,327	130	15,037	2	810	8	253	12	2,145	1,133	21,002	80	530	8,353	
Rubber tires, tubes, and rubber goods, not elsewhere specified.	404	354,188	308	93,133	57	101,320	30	3,367	37	2,534	7,083	153,214	614	6,533	151,153	
Rules, ivory and wood.	10	209	1	150	3	66	1	5	12	88	1,800	6,606	7	35	245	
Saddlery and harness.	1,026	8,212	25	1,279	55	282	2	88	1,800	6,606	7	35	245			
Safes and vaults.	33	5,342	10	1,100	1	50	5	150	7	55	379	3,052	139	515		
Salt.	75	43,187	320	20,399	50	4,910	40	981	1	40	331	6,706	745	8,005		
Sand and emery paper and cloth.	11	3,077	21	3,080					23	55	567		33	370		
Sand-lime brick.	31	4,358	32	3,770						540		3	20			
Sausage, not made in slaughtering and meat-packing establishments.	596	12,713	70	2,038	2	20	35	500	1,103	10,053	42	24	108			
Saws.	106	15,098	17	3,655	12	385	2	45	988	11,011	52	57	640			
Scales and balances.	74	7,451	5	595	1	25	13	301	2	40	772	6,480	10	2	8	
Screws, machine.	142	29,510	16	3,379	15	519			2,498	10,619	23	118	2,172			
Screws, wood.	11	7,744	10	3,030					288	4,704		22	2,079			
Sewing-machine cases.	5	10,050	13	2,380	4	7,170	3	1,050	12	56		210	4,453			
Sewing machines and attachments.	38	21,370	20	8,115	2	10,000	4	172	6	382	207	2,092	18	1,343	16,025	
Shipbuilding, steel.	157	475,507	312	53,808	31	41,100	58	2,071	18,200	377,802		2,320	40,792			
Shipbuilding, wooden, including boat building.	777	78,144	438	25,290	8	870	403	4,348	5	71	2,628	47,119	440	146	1,362	
Shirts.	841	14,044	76	6,702	2	200	66	302	2,630	6,058	54	572	2,533			
Show cases.	109	4,423	10	800	7	112			580	3,330	75	7	43			
Signs and advertising novelties.	303	7,730	22	2,803	1	40	23	200	3	46	1,028	4,526	10	483	1,214	
Silk goods.	1,332	170,825	469	75,505	35	12,020	51	1,006	69	8,327	22,570	75,234	3,077	12,731	32,748	
Silversmithing and silverware.	93	6,940	23	3,615	2	135	5	132	4	200	719	2,761	97	274	1,756	
Slaughtering and meat packing.	1,001	350,212	1,503	210,348	148	27,669	92	2,018	9	574	8,954	117,013	600	7,537	95,035	
Smelting and refining, copper.	33	321,010	240	100,520	54	70,700	0	425	0	7,550	2,932	127,349		2,080	56,000	
Smelting and refining, lead.	25	52,505	57	17,880	8	7,025	3	84	1	360	850	24,329	2,897	244	8,206	
Smelting and refining, zinc.	30	73,004	163	28,802	30	28,030	46	3,204	0	320	13,508		1,532	30,488		
Smelting and refining, metals, not elsewhere specified.	13	11,700	14	4,437	8	3,850			137	3,413		311	5,217			
Smelting and refining, not from the ore.	61	7,921	22	2,110	1	480	11	436	1	40	494	4,806	10	11	1,951	
Soap.	263	33,710	220	22,352	11	2,435	12	201	1,007	8,672	10	3,080	21,077			
Soda-water apparatus.	58	4,140	6	781			5	335	420	3,015	15	40	555			
Sporting and athletic goods.	164	6,875	17	2,100			16	276	9	680	651	3,735	95	180	530	
Springs, steel, car and carriage, not made in steel works or rolling mills.	111	16,585	32	3,417			10	1,070	6	215	1,201	11,840	25	82	1,393	
Stamped and enameled ware, not elsewhere specified.	315	51,441	123	20,102	6	500	48	2,498	3	64	2,000	28,110	158	859	8,657	
Stationery goods, not elsewhere specified.	180	8,342	16	1,220	2	120	9	170	4	285	2,203	0,529		310	8,975	
Statuary and art goods.	68	684	1	60			4	64			120	558	2	31	253	
Steam fittings and steam and hot-water heating apparatus.	217	67,504	92	14,148	21	7,808	21	201	1	60	4,154	45,187	10	700	13,045	
Steam packing.	159	20,703	94	13,822	0	6,815	20	372			025	5,740	8	803	12,080	
Steel barrels, drums, and tanks, portable.	30	10,554	17	1,805			6	440			092	8,249	155	401		
Stonewalls and brands.	64	374	1	18			2	5			140	351	3	9		
Stereotyping and electrotyping.	100	6,013	1	35			3	31	8	400	3,310	9,032	115	638	9,414	
Stoves and hot-air furnaces.	373	49,470	100	10,400	2	1,030	39	1,001	4	102	2,730	26,915	71	635	2,364	
Stoves, gas and oil.	147	11,295	25	4,160	1	150	23	391	1	2	041	6,587	5	335		
Structural ironwork, not made in steel works or rolling mills.	1,073	105,347	276	37,795	6	1,005	236	10,708	3	210	9,000	114,411	168	4,618	52,040	
Sugar, beet.	85	127,304	624	103,097	35	13,772	19	259	1	35	457	0,631		1,940	35,240	
Sugar, cane.	180	101,801	1,000	97,943	13	880	172	3,028	1	8	3	300	2	108	2,288	
Sugar, refining, not including beet sugar.	19	52,511	205	32,278	31	10,003			795	16,186		3,020	54,308			
Sulphuric, nitric, and mixed acids.	37	30,637	107	8,737	20	3,035	15	1,755	1	25	435	714	11,006			
Surgeon appliances.	182	12,387	23	5,085	4	2,025	8	151	4	435	702	4,080	5	611	4,913	
Suspenders, garters, and elastic woven goods.	170	9,028	25	2,850	2	160	3	55	9	635	1,487	5,219	100	638	1,381	
Textile machinery and parts.	417	41,907	134	17,755	5	2,402	50	802	41	2,605	1,874	18,040	253	756	9,298	
Theatrical scenery.	12	104									42	104				
Tin and other foils, not elsewhere specified.	15	6,001	8	1,885			3	80			266	5,070		89	1,937	
Tin plate and terneplate.	23	18,097	25	12,210	5	5,213	1	8			145	1,250		436	7,083	
Tinware, not elsewhere specified.	230	30,490	105	11,276	2	275	30	078	2	12	8,002	17,694	265	2,388	9,076	
Tobacco, chewing and smoking, and snuff.	247	18,803	152	14,980	2	46	8	43	12	282	440	8,542		715	6,707	
Tobacco, cigars and cigarettes.	1,052	24,604	80	10,901	3	2,280	24	302	2	120	2,933	10,883	7	1,127	6,740	
Tools, not elsewhere specified.	1,072	68,881	105	13,204	9	3,680	148	5,307	55	3,269	4,534	42,220	651	630	8,274	
Toys and games.	452	14,440	42	4,080	2	340	45	001	27	692	1,095	7,520	26	174	1,388	
Trunks and valises.	438	7,703	41	4,335	2	120	10	150			804	3,032	7	337	2,041	
Turpentine and rosin.	504	2,303	243	1,206	10	47	269	884	16	30	5	10	27			
Type founding.	20	850	4	048			2	20			85	177	5	512	968	
Typewriters and supplies.	83	13,006	34	8,222	6	3,160	3	41			540	3,025	12	608	6,379	
Umbrellas and canes.	176	3,383	13	2,314	2	160	9	53			401	840	26	28	375	
Upholstering materials, not elsewhere specified.	160	10,826	105	9,400			12	100	25	1,728	607	8,304	204	28	404	

MANUFACTURES.

TABLE 28.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS, BY INDUSTRIES: 1919—Continued.

INDUSTRY.	Number of establishments reporting.	Total primary horsepower.	PRIMARY HORSEPOWER.								Rented or purchased power.		ELECTRIC POWER GENERATED BY ESTABLISHMENTS REPORTING.		
			Owned by establishments reporting.												
			Steam engines.		Steam turbines.		Internal-combustion engines.		Water wheels, turbines, and motors.		Electric.		Other.		
			Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	
Varnishes.....	191	11,407	69	4,743			10	111	6	60	898	6,583		240	1,805
Vault lights and ventilators.....	20	279			2	18			54	251	10				
Vinegar and cider.....	673	17,943	271	7,783	5	50	295	2,800	86	2,337	656	4,037		107	1,527
Wall paper, not made in paper mills.....	48	8,158	45	4,862	2	205	2	32			333	2,064	35	174	1,723
Wall plaster and composition flooring.....	137	32,356	85	12,807	1	150	23	1,352	2	184	800	18,363		224	5,403
Washing machines and clothes wringers.....	90	8,836	16	2,920			15	243	4	82	925	5,557	20	70	604
Wasps.....	88	11,301	22	2,105	3	1,260	15	430	6	435	410	6,090	87	21	905
Watch and clock materials, except watch-cases.....	24	252	1	100			2	50	1	6	37	96			
Watchcases.....	33	4,275	11	2,040			6	1,004	1	250	169	981		340	2,104
Watches.....	16	7,202	22	5,900	2	140	3	435			174	727		811	3,405
Wheelbarrows.....	11	765	10	400							26	275		73	135
Whips.....	22	853	2	175			2	45	2	35	80	598		1	1
Windmills, not elsewhere specified.....	30	4,701	21	2,860			10	203	8	1,100	80	463	75	145	1,026
Window and door screens and weather strips.....	187	7,530	21	4,043	2	409	30	337	4	315	430	2,411	15	100	1,640
Window shades and fixtures.....	107	8,048	19	2,400	3	3,525	6	114	4	300	602	2,517	2	381	5,208
Wire.....	66	119,451	101	36,021	28	25,645	8	1,960	10	630	2,148	55,030	150	1,181	31,010
Wirework, including wire rope and cable, not elsewhere specified.....	433	20,074	62	10,370	1	200	77	1,266	5	495	2,364	10,705	38	1,217	6,212
Wood distillation.....	93	15,933	108	10,254	11	2,482	35	810	10	100	147	1,533	750	144	3,278
Wood preserving.....	68	16,289	211	15,000	3	210	8	43			53	782	105	131	2,438
Wood, turned and carved.....	653	30,058	384	26,940	3	100	91	2,515	85	2,744	949	7,423	230	435	2,723
Wooden goods, not elsewhere specified.....	228	25,000	123	17,123	5	2,273	40	620	27	804	508	4,955	32	370	3,300
Wool pulling.....	23	2,182	19	1,320			1	150	2	120	50	572		11	160
Wool scouring.....	32	9,790	20	5,705	2	180			8	875	301	2,070	80	44	574
Wool shoddy.....	77	16,094	44	6,414	1	130	2	76	40	2,949	326	6,998	127	60	2,201
Woolen and worsted goods.....	835	468,480	869	108,293	88	113,007	45	1,703	610	76,181	7,332	76,279	2,201	10,001	154,841
All other industries.....	2	154	1	150			1	4							2

POWER USED IN MANUFACTURING.

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TABLE 29.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS, BY GEOGRAPHIC DIVISIONS AND STATES: 1919.

DIVISION AND STATE.	Number of establish- ments reporting.	Total primary horse-power.	PRIMARY HORSEPOWER.								ELECTRIC POWER GENERATED BY ESTABLISHMENTS REPORTING.				
			Owned by establishments reporting.						Rented or purchased power.						
			Steam engines.		Steam turbines.		Internal-combustion engines.		Water wheels, turbines, and motors.		Electric.				
			Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Motors.	Other.			
United States....	237,854	29,504,792	116,183	13,839,832	6,445	3,198,141	33,407	1,259,400	14,008	1,765,263	996,000	9,347,556	94,600	487,021	6,869,721
GEOGRAPHIC DIVISIONS:															
New England.....	21,575	3,700,840	8,080	1,350,451	890	510,083	1,070	34,459	4,580	747,017	118,896	1,130,308	17,028	68,337	700,205
Middle Atlantic.....	69,485	8,537,600	28,493	4,231,292	1,899	1,019,635	8,101	410,120	3,641	300,108	314,503	2,455,360	26,048	102,294	2,012,659
East North Central.....	40,004	7,735,137	22,747	3,388,875	1,730	972,850	7,383	428,493	1,894	252,820	270,394	2,059,498	32,585	160,948	2,224,002
West North Central.....	23,035	1,594,561	7,412	707,187	355	94,556	5,012	102,124	500	92,753	72,761	590,189	1,303	22,903	324,007
South Atlantic.....	25,033	2,706,094	18,011	1,360,588	614	207,012	3,764	130,579	2,127	173,108	74,768	887,201	4,006	25,254	500,852
East South Central.....	12,999	1,415,577	10,475	912,162	341	142,090	1,058	22,803	632	25,007	22,785	311,138	1,387	7,952	149,005
West South Central.....	11,727	1,185,989	9,016	813,022	225	63,610	2,816	81,260	80	3,446	22,337	218,558	6,093	6,068	132,395
Mountain.....	6,227	680,579	2,283	322,388	140	77,558	808	9,971	188	15,650	18,002	259,619	1,387	4,408	91,506
Pacific.....	10,048	1,757,708	7,800	721,807	251	108,490	1,839	33,300	385	58,970	72,558	820,685	5,702	8,259	138,941
NEW ENGLAND:															
Maine.....	2,481	547,028	1,424	141,437	69	32,418	400	4,481	1,104	274,525	7,043	92,749	1,415	3,306	72,047
New Hampshire.....	1,350	340,138	708	95,358	47	51,882	106	1,076	641	115,375	6,370	84,601	246	2,018	67,117
Vermont.....	1,075	185,095	608	40,833	22	4,518	174	2,950	652	68,897	4,478	61,690	768	769	12,398
Massachusetts.....	10,080	1,729,878	3,768	604,631	502	270,401	11,227	189,302	65,360	1,252	551,521	12,896	39,083	424,274	
Rhode Island.....	2,035	321,016	810	147,358	74	41,922	108	3,188	260	20,263	12,231	97,957	1,328	7,053	65,056
Connecticut.....	4,054	604,001	1,601	230,034	176	100,812	481	10,028	671	70,252	23,405	242,390	375	14,005	164,573
MIDDLE ATLANTIC:															
New York.....	38,082	2,936,630	8,627	1,050,738	638	248,810	3,076	113,415	1,080	343,023	170,282	1,170,977	9,567	54,600	512,881
New Jersey.....	9,400	1,140,744	8,136	573,403	457	207,971	1,303	40,830	304	12,528	41,180	305,762	6,190	36,582	418,391
Pennsylvania.....	22,194	4,454,380	14,730	2,007,001	804	502,000	3,722	256,067	1,351	40,617	103,061	978,621	9,291	101,043	1,081,407
EAST NORTH CENTRAL:															
Ohio.....	13,024	2,807,407	7,150	1,407,558	572	374,054	2,797	147,039	205	10,115	82,899	945,341	12,490	46,210	810,383
Indiana.....	6,540	1,095,912	3,402	307,321	207	154,126	1,003	180,271	158	10,162	36,392	373,680	10,581	279,065	
Illinois.....	14,223	1,680,918	4,884	770,158	410	218,182	1,105	55,782	149	11,586	72,203	500,241	6,971	43,506	584,320
Michigan.....	6,023	1,202,128	3,200	440,130	211	152,781	716	19,695	395	40,346	63,020	540,757	8,419	23,032	277,514
Wisconsin.....	8,294	878,083	4,111	304,710	330	72,814	1,612	16,708	897	180,020	27,214	209,470	4,362	21,590	203,714
WEST NORTH CENTRAL:															
Minnesota.....	5,150	473,957	1,750	173,815	77	24,371	762	33,828	205	73,661	18,119	187,965	297	4,715	87,164
Iowa.....	4,740	242,948	1,176	101,494	63	17,948	800	7,030	94	3,862	14,095	112,480	126	3,805	53,799
Missouri.....	6,773	477,303	2,762	244,096	111	25,561	1,228	22,049	98	3,886	23,502	181,558	655	8,579	106,016
North Dakota.....	748	17,791	103	6,589	11	471	289	1,981	0	260	1,230	8,490	0	127	1,283
South Dakota.....	1,222	22,101	170	8,270	2	90	444	3,283	9	307	2,032	10,227	15	73	903
Nebraska.....	2,420	125,814	433	57,332	31	9,117	682	8,203	81	4,940	6,285	46,177	45	1,970	26,572
Kansas.....	2,003	234,110	1,018	112,501	60	10,098	798	25,731	76	6,337	6,988	72,288	165	2,544	48,280
SOUTH ATLANTIC:															
Delaware.....	687	85,150	585	46,648	24	13,006	91	1,607	108	4,448	1,617	19,307	45	1,063	25,221
Maryland.....	3,937	406,768	2,191	140,786	96	27,350	567	65,493	222	9,097	15,054	155,031	131	5,325	159,730
District of Columbia.....	427	33,079	97	8,388	16	1,472	64	2,103	5	600	2,702	19,900	10	181	1,083
Virginia.....	5,008	410,910	4,081	211,816	100	44,050	532	9,097	030	39,087	12,773	114,818	208	3,722	73,637
West Virginia.....	2,405	328,053	1,808	172,113	70	45,042	770	38,072	348	9,411	5,140	62,017	198	5,103	92,307
North Carolina.....	5,681	540,878	4,425	277,402	77	25,840	400	6,556	548	42,026	16,339	107,384	70	5,448	63,102
South Carolina.....	1,810	305,556	1,370	191,745	38	22,974	257	2,472	128	40,714	7,985	137,561	90	1,275	30,587
Georgia.....	2,101	430,008	2,877	222,206	154	21,346	607	5,003	125	20,006	9,951	157,568	2,889	2,008	36,095
Florida.....	1,807	139,450	1,477	105,944	39	5,543	461	4,708	15	243	2,005	22,655	385	526	12,480
EAST SOUTH CENTRAL:															
Kentucky.....	3,372	247,573	2,061	159,547	68	15,003	733	10,023	123	3,758	6,187	56,808	1,174	2,420	37,572
Tennessee.....	4,088	338,814	2,888	204,408	73	22,708	547	5,718	207	7,534	8,460	68,274	82	2,282	33,137
Alabama.....	3,204	628,370	3,195	377,313	164	91,433	376	3,505	100	13,534	6,000	142,412	89	2,575	57,111
Mississippi.....	2,275	200,814	2,331	170,894	60	13,006	302	2,957	12	181	1,401	13,644	42	666	21,185
WEST SOUTH CENTRAL:															
Arkansas.....	2,800	214,104	2,654	174,902	31	8,438	422	6,020	25	708	2,484	21,493	1,975	640	14,008
Louisiana.....	2,225	388,005	3,023	316,084	50	15,470	587	13,928	5	60	4,394	41,001	1,372	1,967	43,113
Oklahoma.....	2,022	139,983	1,041	72,723	39	6,934	744	24,133	22	275	3,970	35,435	433	981	19,170
Texas.....	4,074	443,207	2,298	248,053	90	32,718	1,003	30,579	34	2,405	11,483	120,530	2,313	3,078	50,014
MOUNTAIN:															
Montana.....	1,070	153,401	307	38,865	7	3,234	224	1,484	23	7,996	3,715	101,910	2	205	4,297
Idaho.....	800	73,876	302	42,240	17	11,001	60	578	34	1,751	1,636	18,207	36	369	11,082
Wyoming.....	408	17,899	132	7,030	16	1,225	120	1,718	15	391	898	7,500	5	137	1,740
Colorado.....	2,029	200,309	748	189,280	44	7,137	230	2,189	37	1,184	5,717	57,323	190	1,824	28,713
New Mexico.....	324	17,200	120	11,187	7	1,408	75	920	4	381	612	3,364	0	98	1,814
Arizona.....	400	103,058	172	37,538	23	30,000	68	1,773	2	200	1,354	24,847	0	741	20,050
Utah.....	910	93,042	344	37,556	24	9,440	50	9,008	69	3,568	3,738	41,275	1,145	778	17,440
Nevada.....	141	10,874	69	9,092	2	4,460	24	344	4	195	432	5,193	0	256	5,847
PACIFIC:															
Washington.....	4,224	887,436	3,543	402,007	80	51,200	536	6,123	87	7,723	13,944	215,921	4,363	3,052	62,234
Oregon.....	2,308	304,348	1,680	140,640	42	25,161	250	2,166	188	43,252	7,544	92,576	551	1,251	25,611
California.....	10,056	700,016	2,007	170,220	123	32,036	1,053	25,020	110	7,704	51,070	521,188	848	3,056	

FUEL CONSUMED.

Fuel consumed, by industries (Table 30).—Statistics as to the amount of the different kinds of fuel consumed, for each of the 350 industries for which separate statistics can be given, are shown for 1919 and 1914 in Table 30.

The table also shows the total cost of fuel, including rent of power. Fuel is used in manufacturing in three different ways: First, for generating power by means of steam engines and internal-combustion engines; second, to produce heat which is applied directly to materials to transform them or to facilitate their manipulation; and third, as a material that enters into the actual composition of the product.

The principal industries using fuel in the manner last described are the charcoal, coke, and gas industries, while the most important, where the heat is applied directly to the material, are the brick and tile, pottery, foundry and machine-shop, glass, and the blast-furnace industries, the steel works and rolling mills, the various metal smelting industries, lime and cement, petroleum refining, and the salt industry.

The table does not cover all fuel consumed, as the schedule only called for the principal kinds of fuel used. Many establishments use large quantities of wood, of which no account is kept, therefore statistics for the consumption of wood were not collected.

The principal consumers of fuel as measured by cost are blast furnaces, coking plants, steel works and rolling mills, manufactures of gas, paper and wood pulp, and petroleum refining.

The last three industries named led in the consumption of anthracite coal. Coke, steel works, paper and wood pulp, and gas led in the consumption of bituminous coal, while blast furnaces were the principal consumers of coke. While petroleum refining, gas, and steel works led in the consumption of fuel oils; steel works, bone, carbon, and lamp black, and glass led in the consumption of gas.

Fuel consumed, by geographic divisions and states (Table 31).—Statistics as to the amount of fuel consumed in each of the divisions and states are given in Table 31 for 1919 and 1914, together with the total cost of fuel and rent of power.

The fuel that shows the greatest increase in use was fuel oils, including gasoline and other volatile oils.

In 1914, 48,689,232 barrels were consumed, and in 1919, 89,685,223 barrels, an increase of 84.2 per cent. The greatest increase shown was in the Middle Atlantic division and is most noticeable in Pennsylvania and New Jersey.

In 1919 statistics were collected for fuel oils and for gasoline and other volatile oils separately.

The use of coke increased 30.9 per cent; bituminous coal, 22.1 per cent; and gas, including both natural and manufactured, 19.1 per cent. The only fuel which does not show a marked increase is anthracite coal which increased only 293,279 tons, or 2.1 per cent.

Pennsylvania led in the consumption of each of the various fuels reported, with the exception of fuel oils, of which California reported the greatest consumption.

FUEL CONSUMED.

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TABLE 80.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
All industries.....	1919	\$1,645,986,566	14,334,402	203,463,622	42,505,019	89,685,223	2,344,469	341,921,022
	1914	866,406,709	14,041,123	166,589,372	32,539,325	48,689,332	(1)	284,947,889
Aeroplanes, seaplanes, and airships, and parts.....	1919	208,604	217	22,514	13	826	1,579	10,028
	1914	3,681	00	330	1	42	(1)	7,338
Agricultural implements.....	1919	5,038,512	13,497	549,557	115,368	342,547	29,654	435,893
	1914	2,507,394	8,863	555,271	104,886	240,000	(1)	234,349
Aluminum manufactures.....	1919	1,206,105	2,457	122,142	4,415	114,072	3,077	109,005
	1914	213,308	812	42,878	4,618	13,504	(1)	309,918
Ammunition.....	1919	1,553,442	23,112	154,803	3,146	187,378	2,475	79,424
	1914	300,341	12,046	87,072	2,057	11,203	(1)	20,193
Artificial flowers.....	1919	52,051	4,112	2,807	44	15	13	6,460
	1914	20,119	1,052	267	31	16	(1)	15,500
Artificial limbs.....	1919	20,202	201	384	7	102	214	2,771
	1914	17,110	143	288	38	151	(1)	6,326
Artificial stone products.....	1919	502,821	3,354	34,921	643	1,073	6,487	24,900
	1914	283,230	3,302	30,640	532	6,508	(1)	130,401
Artists' materials.....	1919	85,237	2,303	61,114	15	947	162	5,957
	1914	40,841	2,313	3,811	19	7	(1)	5,064
Asbestos products, not including steam packing.....	1919	377,555	5,443	31,817	2,325	5,931	892	17,033
	1914	67,570	3,073	11,503	2,155	12	(1)	2,339
Automobile bodies and parts.....	1919	8,728,094	32,030	028,095	19,081	401,751	28,371	713,721
	1914	1,783,150	17,006	107,600	7,710	114,133	(1)	388,070
Automobile repairing.....	1919	3,035,443	34,451	127,453	2,170	8,946	21,004	449,832
	1914	509,242	6,067	16,890	944	5,020	(1)	82,340
Automobiles.....	1919	12,056,072	17,133	1,120,585	81,807	853,008	161,280	2,114,452
	1914	2,872,043	13,697	464,634	16,850	270,115	(1)	1,050,784
Awnings, tents, and sails.....	1919	198,488	2,200	8,074	82	40	277	11,111
	1914	90,303	1,783	3,403	152	254	(1)	15,956
Babbitt metal and solder.....	1919	507,015	4,216	49,288	4,010	64,109	40	44,084
	1914	110,191	3,500	31,780	958	4,846	(1)	14,036
Bags, other than paper, not including bags made in textile mills.....	1919	323,590	3,312	23,103	344	581	30	4,421
	1914	150,682	2,020	28,041	47	707	(1)	5,819
Bags, paper, exclusive of those made in paper mills.....	1919	172,703	1,034	13,708	78	220	55	423
	1914	81,877	900	17,802	8	62	(1)	6,270
Baking powders and yeast.....	1919	1,283,270	2,900	219,015	508	30,945	1	2,008
	1914	271,250	14,281	59,985	134	20,310	(1)	3,800
Baskets, and rattan and willow ware.....	1919	98,750	909	10,707	103	581	100	2,420
	1914	51,895	1,105	10,119	152	206	(1)	2,508
Bells.....	1919	16,701	604	702	40	382	72	204
	1914	17,443	482	624	723	197	(1)	492
Belting and hose, rubber.....	1919	941,653	32,550	84,728	274	30,452	3,199	6,000
	1914	450,180	47,082	47,908	20	10,065	(1)	2,184
Belting and hose, woven, other than rubber.....	1919	170,315	3,201	12,031	70	1,412	804	3,054
	1914	47,224	1,324	7,728	—	—	82	5,380
Belting, leather.....	1919	257,053	15,214	15,731	22	1,560	82	4,578
	1914	140,087	12,906	19,504	512	80	(1)	4,578
Billiard tables, bowling alleys, and accessories.....	1919	167,933	731	13,938	—	—	0	600
	1914	62,121	1,041	5,869	—	1	(1)	1,344
Blocking, stains, and dressings.....	1919	132,704	5,754	0,738	09	—	311	11,001
	1914	63,807	5,643	4,000	14	1	(1)	3,802
Bluing.....	1919	10,200	269	290	3	—	—	1,461
	1914	8,708	96	1,077	00	—	—	803
Bone, carbon, and lamp black.....	1919	1,380,695	25	0,001	—	1,200	—	49,495,985
	1914	205,201	375	1,372	1	—	—	10,470,270
Bookbinding and blank-book making.....	1919	485,052	3,302	12,527	52	1,413	173	33,389
	1914	352,221	7,004	10,303	68	101	(1)	42,421
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories.....	1919	610,440	3,207	20,003	405	532	10	576,074
	1914	100,370	1,040	14,133	45	29	(1)	3,877
Boot and shoe findings, exclusive of those produced in boot and shoe factories.....	1919	410,872	3,002	25,858	120	276	50	10,397
	1914	147,106	1,502	10,712	131	731	(1)	10,348
Boots and shoes, not including rubber boots and shoes.....	1919	5,017,050	46,000	304,026	2,602	24,002	2,001	170,430
	1914	2,003,331	78,070	277,921	2,943	3,008	(1)	181,007
Boots and shoes, rubber.....	1919	1,821,240	19,863	130,907	1,391	68,000	6,190	2,425
	1914	554,780	14,503	97,787	2,703	—	—	2,857
Boxes, cigar.....	1919	180,788	3,080	0,702	5	5	112	4,307
	1914	68,084	3,020	8,083	28	2,212	(1)	14,085
Boxes, paper, not elsewhere specified.....	1919	2,202,005	24,081	218,046	2,480	11,737	1,075	401,000
	1914	602,110	21,765	137,202	8,098	708	(1)	104,971
Boxes, wooden packing, except cigar boxes.....	1919	1,041,042	4,258	50,890	114	3,326	981	22,152
	1914	495,242	7,502	63,537	52	4,507	(1)	37,840
Brass, bronze, and copper products.....	1919	12,680,801	200,710	655,947	131,113	803,228	21,303	812,573
	1914	3,831,780	127,828	378,308	75,812	310,910	(1)	404,269
Bread and other bakery products.....	1919	10,474,881	590,980	554,082	309,700	108,026	181,095	5,470,390
	1914	9,591,187	470,341	882,882	251,313	220,141	(1)	4,610,113
Brick and tile, terra-cotta, and fire-clay products.....	1919	24,403,053	128,252	6,894,745	34,510	1,200,682	19,250	10,000,521
	1914	23,763,069	246,138	8,500,947	65,375	1,840,583	(1)	15,472,771
Brooms.....	1919	195,668	1,004	13,737	580	283	1,023	14,338
	1914	97,690	1,340	8,573	189	893	(1)	12,581

¹ Included in the figures for fuel oils.

MANUFACTURES.

TABLE 30.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,210 lbs.).	Bituminous (tons, 2,000 lbs.).				
Brushes.....	1910	316,494	5,539	20,536	16	96	439	10,603
	1914	102,285	5,124	16,120	164	627	(1)	13,775
Butter.....	1910	4,417,400	20,407	409,020	2,378	149,128	10,713	133,003
	1914	2,208,012	20,500	378,853	6,458	124,191	(1)	154,768
Butter, reworking.....	1910	10,070	13	860	.....	80	140	.....
	1914	30,801	.....	11,034	.....	120	(1)	60,324
Buttons.....	1910	682,426	7,094	47,867	188	625	705	20,576
	1914	310,497	9,763	40,082	53	7,005	(1)	31,492
Candles.....	1910	38,026	757	4,082	.....	1	.....	1,776
	1914	18,464	1,650	2,973	.....	.....	.....	703
Canning and preserving, fish.....	1910	871,476	5,357	36,528	4	112,918	11,400	59,340
	1914	306,210	2,094	38,265	218	81,767	(1)	6,606
Canning and preserving, fruits and vegetables.....	1910	3,718,446	20,238	298,336	5,901	557,846	11,497	151,031
	1914	1,380,584	37,555	234,722	2,186	241,500	(1)	142,219
Canning and preserving, oysters.....	1910	56,665	45	12,122	10	.....	174	112
	1914	31,789	310	4,846	330	771	(1)	0
Card cutting and designing.....	1910	28,711	655	115	35	16	45	2,246
	1914	9,068	120	150	.....	3	(1)	903
Cardboard, not made in paper mills.....	1910	151,622	10,533	5,189	.....	607	.....	856
	1914	62,345	7,116	3,422	.....	0	(1)	2,429
Carpets and rugs, other than rag.....	1910	1,727,083	36,328	240,638	300	.....	125	4,822
	1914	1,014,937	74,767	193,757	.....	1,733	(1)	13,280
Carpets, rag.....	1910	80,959	696	5,209	98	161	173	0,397
	1914	54,581	1,123	3,443	32	227	(1)	10,870
Carriage and wagon materials.....	1910	297,550	2,325	42,100	3,340	17,432	609	10,404
	1914	421,483	32,384	103,847	2,503	21,190	(1)	80,532
Carriages and sleds, children's.....	1910	207,604	1,102	17,920	83	1,589	788	22,777
	1914	111,847	744	18,487	1,052	2,804	(1)	27,079
Carriages and wagons, including repairs.....	1910	1,152,155	6,853	138,008	5,286	14,733	11,051	120,343
	1914	1,321,382	15,132	275,585	9,766	43,377	(1)	147,350
Cars and general shop construction and repairs by electric-railroad companies.....	1910	1,205,266	15,420	80,933	1,504	32,350	2,132	30,339
	1914	647,032	20,023	108,128	1,115	17,779	(1)	54,236
Cars and general shop construction and repairs by steam-railroad companies.....	1910	31,400,634	600,078	6,904,403	200,960	3,004,789	60,164	2,530,404
	1914	12,482,370	500,006	5,480,405	79,597	2,508,703	(1)	1,829,902
Cars, electric-railroad, not including operations of railroad companies.....	1910	377,528	109	40,628	2,083	10,340	16	4,444
	1914	184,801	3,032	53,841	080	15,107	(1)	3,806
Cars, steam-railroad, not including operations of railroad companies.....	1910	6,180,615	53,644	810,988	73,638	552,007	8,402	1,108,250
	1914	2,749,760	34,978	698,067	70,886	204,826	(1)	1,221,005
Cash registers and calculating machines.....	1910	302,591	2,408	50,399	2,400	3,173	1,073	80,423
	1914	109,730	1,202	37,905	40	118	(1)	25,737
Cement.....	1910	31,070,598	272,206	6,031,428	50,840	1,859,564	1,778	4,370,090
	1914	20,271,662	226,474	6,731,438	20,072	2,502,065	(1)	5,525,804
Charcoal, not including production in the lumber and wood distillation industries.....	1910	6,02,973	.....	784	.....	555	30	.....
	1914	117,349	5	785	.....	7	(1)	188
Cheese.....	1910	1,437,255	20,169	149,107	844	23,086	4,304	10,431
	1914	451,161	3,217	74,119	434	3,050	(1)	7,057
Chemicals.....	1910	32,742,810	389,350	3,844,607	457,250	789,347	18,427	1,830,998
	1914	11,203,672	401,008	2,667,248	275,440	500,068	(1)	2,744,980
Chewing gum.....	1910	204,783	1,423	18,176	.....	100	167	6,317
	1914	55,173	1,080	9,966	4	3	(1)	2,063
China decorating, not including that done in potteries.....	1910	20,292	158	729	2	614	193	14,374
	1914	13,490	813	873	184	542	(1)	7,743
Chocolate and cocoa products.....	1910	1,407,258	38,562	100,744	1,906	33,137	1,244	40,021
	1914	340,209	25,480	57,644	300	8,008	(1)	6,519
Cleansing and polishing preparations.....	1910	128,051	2,441	8,025	2,391	692	96	14,081
	1914	54,210	1,536	5,988	2,122	03	(1)	11,951
Clocks.....	1910	214,822	4,473	25,416	181	.....	292	18,440
	1914	122,501	3,143	23,305	.....	377	(1)	4,017
Cloth, sponging and refinishing.....	1910	58,332	1,344	1,938	2	.....	9,101	1,241
	1914	32,121	1,331	1,901	.....	1	(1)	1,241
Clothing, horse.....	1910	42,413	149	6,613	15	.....	217	643
	1914	38,960	251	8,506	889	146	(1)	6,012
Clothing, men's.....	1910	2,720,083	23,611	90,013	1,575	4,664	1,020	848,007
	1914	1,007,508	24,908	70,535	1,298	4,471	(1)	410,701
Clothing, men's, buttonholes.....	1910	11,258	94	86	.....	1	16	1,084
	1914	10,106	127	58	.....	1	(1)	2,470
Clothing, women's.....	1910	2,517,310	12,700	26,934	8,652	2,005	281	875,545
	1914	1,756,814	11,080	17,958	430	930	(1)	261,501
Coal-tar products ²	1910	4,141,033	62,582	721,982	16,855	142,029	1,647	14,004
Coffee and spice, roasting and grinding.....	1910	1,156,306	18,034	33,197	3,571	3,237	814	378,473
	1914	705,735	10,340	32,747	8,854	4,322	(1)	313,803
Coffins, burial cases, and undertakers' goods.....	1910	534,056	6,173	50,504	1,100	963	313	36,686
	1914	280,232	6,816	62,842	266	997	(1)	36,484
Coke, not including gas-house coke.....	1910	200,769,464	5,808	64,245,620	580,505	15,211	92,682	658,690
	1914	64,832,328	.....	50,457,474	.....	.....	.....	.....
Collars and cuffs, men's.....	1910	227,531	9,585	23,464	100	.....	1	14,058
	1914	118,918	6,835	18,967	.....	1,430	(1)	2,320
Combs and hairpins, except those made from metal or rubber.....	1910	86,075	926	5,822	23	.....	10	2,295
	1914	80,056	2,024	7,978	61	61	)	2,020

¹ Included in the figures for fuel oils.² Included in other classification for 1914.

FUEL CONSUMED.

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TABLE 30.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
Condensed milk.....	1910	5,270,085	27,176	821,083	3,185	147,971	9,383	89,519
	1914	1,245,707	12,352	380,572	254	85,518	(1)	51,548
Confectionery and ice cream.....	1910	8,291,500	120,666	458,614	9,008	75,288	10,205	1,853,503
	1914	2,838,198	106,143	307,300	16,162	31,775	(1)	1,453,303
Cooperage.....	1910	507,404	3,315	50,021	4,757	6,802	701	50,845
	1914	337,201	11,023	72,049	7,182	13,151	(1)	55,067
Copper, tin, and sheet-iron work.....	1910	973,908	0,388	40,320	5,232	3,128	5,016	212,905
	1914	540,508	15,777	38,114	5,069	8,840	(1)	184,947
Cordage and twine.....	1910	1,381,135	43,522	118,441	17,408	10,663	80	55,400
	1914	633,732	54,756	145,977	88	15,580	(1)	38,291
Cordials and flavoring syrups.....	1910	101,499	2,009	13,284	513	1	32	0,107
	1914	28,400	598	11,332	14	7	(1)	8,240
Cork, cutting.....	1910	400,655	8,549	55,134	3,427	2,078	-----	564,876
	1914	147,010	11,771	7,080	1,307	6	(1)	137,250
Corsets.....	1910	250,624	2,208	18,420	324	38	-----	3,941
	1914	159,171	2,678	19,082	610	50	(1)	8,077
Cotton goods.....	1910	37,321,830	322,008	3,610,372	32,104	450,783	3,084	50,135
	1914	17,404,732	271,954	3,570,863	14,505	23,503	(1)	33,407
Cotton lace.....	1910	300,980	36,021	3,340	7,081	22	-----	575
	1914	178,802	25,700	2,563	1,028	111	(1)	-----
Cotton small wares.....	1910	541,603	0,000	24,200	302	30,371	100	75,424
	1914	217,200	12,811	25,807	4	1,081	(1)	8,864
Crucibles.....	1910	130,102	2,700	14,700	3,470	-----	-----	44,403
	1914	38,373	1,935	5,484	87	-----	-----	11,034
Cutlery and edge tools.....	1910	1,285,864	18,238	61,182	2,104	93,601	2,244	590,031
Dairymen's, poultrymen's and apiculturists' supplies.....	1910	617,234	25,865	50,107	3,404	18,804	(1)	707,601
	1914	300,086	3,495	30,562	1,232	4,716	925	49,237
	1914	100,708	5,040	20,258	1,707	22,350	(1)	34,071
Dental goods.....	1910	107,352	1,366	3,063	230	9,584	4,850	29,532
	1914	73,789	2,481	4,911	286	5,086	(1)	15,926
Drug grinding.....	1910	333,103	53,151	11,151	50	-----	45	088
	1914	150,041	43,024	12,495	5	37	(1)	1,672
Druggists' preparations.....	1910	686,408	15,480	78,076	20	171	414	46,840
	1914	271,012	18,000	52,523	71	301	(1)	74,200
Dyeing and finishing textiles, exclusive of that done in textile mills.....	1910	10,428,204	442,865	1,071,156	13,024	393,328	6,930	516,218
	1914	4,771,907	400,587	800,580	97	31,800	(1)	143,053
Dyestuffs and extracts—natural.....	1910	1,076,726	13,595	330,002	2,325	3,705	01	148,849
	1914	539,608	21,457	173,888	25	227	(1)	187,673
Electrical machinery, apparatus, and supplies.....	1910	13,730,110	175,800	1,091,704	61,617	473,332	32,328	2,780,382
	1914	4,607,801	66,841	709,200	26,378	125,523	(1)	2,707,856
Electroplating.....	1910	206,215	1,903	3,024	100	271	222	40,493
	1914	147,584	1,340	6,621	257	351	(1)	54,204
Emery and other abrasive wheels.....	1910	931,142	24,339	60,180	408	2,793	2	5,040
	1914	208,330	6,823	33,160	9,903	372	(1)	16,629
Enameling.....	1910	140,023	2,085	8,428	44	6,526	1	80,060
	1914	77,730	209	8,000	243	16,641	(1)	70,270
Engines, steam, gas, and water.....	1910	5,003,801	0,309	658,010	94,040	264,055	65,106	807,064
	1914	1,200,805	28,547	230,350	42,341	93,706	(1)	2,022,742
Engravers' materials.....	1910	27,000	654	682	-----	100	0	4,770
	1914	8,763	41	600	-----	100	(1)	128
Engraving and diesinking.....	1910	113,601	1,011	1,800	25	15	10	67,810
	1914	37,333	514	428	32	27	(1)	10,186
Engraving, steel and copper plate, including plate printing.....	1910	203,242	3,290	0,324	30	-----	136	10,568
Engraving, wood.....	1910	138,744	5,208	5,216	32	42	(1)	14,816
	1914	4,023	5	08	-----	4	(1)	72
	1914	2,058	5	122	-----	4	(1)	180
Envelopes.....	1910	233,083	2,323	16,616	62	414	155	5,757
	1914	132,308	4,133	13,205	20	1,102	(1)	3,374
Explosives.....	1910	2,710,380	40,489	440,931	4,190	181,253	173	65,357
	1914	800,693	68,748	209,593	510	103,679	(1)	22,100
Fancy articles, not elsewhere specified.....	1910	420,604	8,238	14,300	1,224	3,304	110	28,222
	1914	142,641	4,442	7,681	55	215	(1)	38,189
Feathers and plumes.....	1910	30,008	238	353	33	243	1	0,868
	1914	34,307	1,602	321	20	371	(1)	17,701
Felt goods.....	1910	625,639	18,447	05,588	-----	17,702	1	5,008
	1914	273,310	16,763	54,183	-----	14,051	(1)	5,600
Ferroalloys ¹	1910	6,050,068	2,005	83,051	815,322	1,000	350	4,400
Fertilizers.....	1910	3,440,845	12,740	349,012	1,306	64,442	0,933	54,307
	1914	1,881,809	18,451	433,360	2,033	27,851	(1)	49,031
Files.....	1910	548,875	16,356	41,006	730	49,600	12	81,475
	1914	204,712	15,856	27,431	405	27,342	(1)	48,138
Firearms.....	1910	856,503	2,174	74,415	-----	11,451	1,310	29,339
	1914	197,830	1,885	21,951	-----	2,190	(1)	0,850
Fire extinguishers, chemical.....	1910	40,051	110	807	108	-----	8	0,604
	1914	9,110	43	445	-----	31	(1)	1,074
Fireworks.....	1910	46,705	687	6,253	230	801	75	025
	1914	20,401	429	4,440	-----	83	(1)	120
Flags and banners.....	1910	20,702	240	780	-----	70	50	2,427
	1914	20,050	577	1,246	12	412	(1)	2,061

¹ Included in the figures for fuel oils.² Included in other classifications for 1914.

MANUFACTURES.

TABLE 30.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
Flavoring extracts.....	1910	127,478	1,409	7,809	30	102	20	21,008
	1914	54,037	1,288	4,095	582	565	(1)	17,402
Flax and hemp, dressed.....	1910	55,793	55	16,781	21	.....	.....	842
	1914	4,528	75	7	.....	163	(1)	533
Flour-mill and gristmill products.....	1910	15,270,876	57,034	1,582,494	5,134	645,553	84,636	1,157,455
	1914	7,780,140	50,053	1,800,988	13,041	441,693	(1)	1,027,252
Food preparations, not elsewhere specified.....	1910	5,583,505	65,048	465,951	10,422	105,347	7,700	976,218
	1914	2,236,975	45,276	387,200	12,087	72,064	(1)	901,297
Foundry and machine-shop products.....	1910	48,365,702	302,860	3,702,807	1,377,503	2,170,596	100,714	21,833,603
	1914	10,203,384	311,333	2,913,624	911,547	619,353	(1)	6,050,078
Foundry supplies.....	1910	190,180	1,785	17,785	6,163	401	360	85,755
	1914	57,407	714	12,088	2,301	427	(1)	17,286
Fuel, manufactured.....	1910	90,223	7,647	4,445	675	.....	.....	536
	1914	91,807	12,289	1,096	.....	2,927	.....	14,361
Fur goods.....	1910	273,625	4,600	3,523	14	20	2	14,106
	1914	140,445	3,185	3,941	70	28	(1)	20,106
Furnishing goods, men's.....	1910	250,014	3,802	7,651	10	4,620	84	8,451
	1914	105,224	5,301	12,414	60	944	(1)	22,484
Furniture.....	1910	6,350,508	36,340	832,582	13,000	19,732	4,283	321,082
	1914	3,150,712	60,817	761,404	17,268	19,881	(1)	242,101
Furs, dressed.....	1910	202,002	4,405	14,003	142	57	3	3,350
	1914	60,023	4,575	3,588	6	107	(1)	1,910
Galvanizing.....	1910	204,363	5,033	3,610	4,298	1,014	165	111,332
	1914	100,150	92	9,260	6,031	1,020	(1)	270,088
Gas and electric fixtures.....	1910	500,126	7,030	30,617	1,044	1,668	280	110,873
	1914	347,533	9,801	28,331	2,211	6,888	(1)	81,081
Gas, illuminating and heating.....	1910	114,911,986	1,388,467	7,383,687	1,497,435	19,000,171	120,020	641,288
	1914	63,804,103	947,261	6,078,290	1,084,217	13,482,655	(1)	2,710,576
Gas machines and gas and water meters.....	1910	285,311	5,710	8,586	1,533	2,337	322	60,811
	1914	178,139	5,305	72,621	2,380	6,290	(1)	85,217
Glass.....	1910	21,357,802	15,268	2,653,654	131,998	895,984	14,135	38,500,857
	1914	10,934,028	41,372	2,252,208	10,770	867,830	(1)	43,330,322
Glass, cutting, staining, and ornamenting.....	1910	206,830	4,710	8,428	651	2,000	60	92,105
	1914	207,603	5,518	12,398	850	3,095	(1)	120,081
Gloves and mittens, cloth, not including gloves made in textile mills ¹	1910	152,500	1,050	10,557	42	.....	59	3,000
Gloves and mittens, leather.....	1910	183,817	2,052	10,507	128	3	97	8,730
	1914	100,714	2,580	12,202	38	207	(1)	11,648
Glucose and starch.....	1910	3,702,280	113,141	850,133	14,822	17,518	28	23,335
	1914	1,346,055	101,240	948,430	1,054	6,280	(1)	276
Glue, not elsewhere specified.....	1910	1,647,808	11,420	324,287	1,002	1,400	.....	4,000
	1914	726,270	17,490	275,477	390	22,534	(1)	10,047
Gold and silver, leaf and foil.....	1910	21,611	1,177	177	141	.....	11	754
	1914	14,035	1,257	83	130	3	(1)	1,277
Gold and silver, reducing and refining, not from the ore.....	1910	196,342	430	4,280	4,108	14,034	44	10,751
	1914	88,823	907	6,946	3,278	5,617	(1)	16,703
Graphite, ground and refined.....	1910	146,235	5,200	7,688	.....	82	151	115
	1914	78,270	737	4,502	100	.....	(1)	.....
Grease and tallow, not including lubricating greases.....	1910	2,210,920	21,133	337,311	344	65,695	16,540	206,411
	1914	684,759	15,003	361,366	423	13,704	(1)	131,018
Grindstones.....	1910	63,388	.....	13,610	.....	50	15	20,089
	1914	27,830	81	9,000	.....	950	(1)	26,090
Haircloth.....	1910	41,500	963	2,335	.....	5	52	.....
	1914	18,558	1,064	4,100	.....	10	(1)	162
Hair work.....	1910	16,443	263	832	16	2	.....	7,608
	1914	11,537	350	200	10	.....	(1)	7,803
Hammocks.....	1910	7,272	17	608	.....	.....	120	.....
	1914	3,610	20	973	.....	2	(1)	5
Hand stamps.....	1910	71,308	1,488	4,147	19	15	3	20,080
	1914	33,540	936	1,737	18	73	(1)	61,050
Hardware.....	1910	3,104,995	37,933	248,701	29,308	78,976	3,712	1,222,140
	1914	1,545,014	40,643	232,458	39,814	28,361	(1)	407,378
Hardware, saddlery.....	1910	320,083	3,503	37,362	7,108	3,290	225	8,932
	1914	144,323	4,136	24,057	2,784	6,835	(1)	7,858
Hat and cap material.....	1910	153,835	8,093	9,385	542	4	4	2,114
	1914	67,341	5,704	3,858	4	6	(1)	3,055
Hats and caps, other than felt, straw, and wool.....	1910	157,738	988	942	28	.....	30	34,001
	1914	100,838	1,103	1,078	01	42	(1)	30,207
Hats, fur-felt.....	1910	1,020,222	57,207	76,038	1,130	3,015	135	26,649
	1914	555,676	76,954	57,247	101	228	(1)	58,610
Hats, straw.....	1910	248,408	4,573	20,814	62	126	337	8,084
	1914	184,061	7,183	20,039	136	241	(1)	23,745
Hats, wool-felt.....	1910	105,106	788	10,297	30	1	16	4,507
	1914	48,502	4,076	10,328	16	2	(1)	1,193
Hones and whetstones.....	1910	25,070	7	2,378	.....	53	4	225
	1914	7,830	58	1,462	.....	83	(1)	901
Horseshoes, not made in steel work or rolling mills.....	1910	180,601	4,147	19,337	50	5,002	31	612
	1914	52,657	681	6,064	260	5,796	(1)	2,970

¹ Included in the figures for fuel oils,² Included in other classifications for 1914.

FUEL CONSUMED.

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TABLE 30.—FUEL CONSUMED, BY INDUSTRIES: 1910 AND 1914—Continued.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Colo (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils ^a (barrels).	(1,000 cubic feet)
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
House-furnishing goods, not elsewhere specified.....	1910	354,215	6,156	21,748	113	1,752	368	48,966
	1914	204,628	4,447	32,570	356	405	(1)	101,090
Ice, manufactured.....	1910	25,600,204	205,875	3,300,630	32,327	1,022,473	11,076	6,170,064
	1914	11,340,400	213,541	3,386,275	30,403	1,292,008	(1)	7,502,003
Ink, printing.....	1910	333,319	7,050	25,177	310	5,351	.....	19,412
	1914	109,703	10,704	11,810	302	3,358	(1)	30,478
Ink, writing.....	1910	22,412	1,032	1,071	3	.....	3	870
	1914	14,164	250	1,504	4	.....	.....	2,475
Instruments, professional and scientific.....	1910	570,034	25,102	20,183	58	1,148	226	103,237
	1914	189,200	7,083	15,900	91	673	(1)	30,585
Iron and steel, blast furnace.....	1910	235,023,053	42,770	2,261,315	32,424,025	45,082	6,242,	1,184,053
	1914	88,580,502	47,000	1,802,357	20,335,234	80,474	(1)	242,218
Iron and steel, steel works and rolling mills.....	1910	150,904,802	508,044	25,011,008	886,002	8,191,143	200,839	60,078,288
	1914	55,447,804	558,723	20,343,707	405,214	3,011,192	(1)	81,310,122
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	1910	2,140,684	10,000	152,030	6,651	209,028	1,718	650,280
	1914	695,004	13,734	79,891	3,117	58,610	(1)	642,028
Iron and steel, cast-iron pipe.....	1910	2,641,773	27,374	96,387	256,781	419	658	5,386
	1914	1,340,232	45,003	99,601	248,305	2,036	(1)	103,833
Iron and steel, doors and shutters.....	1910	111,050	1,491	7,003	69	40	260	7,707
	1914	43,201	370	6,480	15	3	(1)	25,810
Iron and steel forgings, not made in steel works or rolling mills.....	1910	8,737,021	26,072	717,801	65,021	1,209,348	4,092	1,043,805
	1914	1,828,402	18,008	285,573	21,737	1,323,875	(1)	981,303
Iron and steel, tempering and welding ²	1910	370,887	802	11,036	1,003	7,803	951	120,040
Iron and steel, nails, spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	1910	320,741	8,100	18,003	240	5,142	554	10,005
	1914	131,304	1,344	20,984	146	5,023	(1)	61,465
Iron and steel, wrought pipe.....	1910	1,847,806	45,870	270,488	13,771	27,207	480	180,173
	1914	984,465	54,002	302,384	5,886	17,220	(1)	180,134
Ivory, shell, and bone work, not including combs and hairpins.....	1910	43,370	805	1,007	3	.....	5	5,035
	1914	20,338	320	2,820	15	0	(1)	676
Japanning.....	1910	28,637	430	620	83	.....	55	10,587
	1914	11,822	311	312	148	1	(1)	12,087
Jewelry.....	1910	730,800	5,711	12,306	254	0,864	211	195,630
	1914	403,571	6,103	15,374	424	2,337	(1)	200,715
Jewelry and instrument cases.....	1910	47,071	307	1,156	15	1,863	.....	7,198
	1914	34,520	450	450	11	152	(1)	8,473
Jute goods.....	1910	463,000	9,994	29,705	.....	70	.....	3,000
	1914	165,983	14,101	34,896	.....	100	(1)	247
Knit goods.....	1910	5,405,202	102,024	584,787	1,054	4,172	3,354	73,008
	1914	2,080,957	118,071	484,208	2,849	2,470	(1)	40,765
Labels and tags.....	1910	154,547	1,438	8,150	3	667	240	17,058
	1914	67,873	3,785	2,261	20	167	(1)	7,805
Lamps and reflectors.....	1910	402,810	1,810	22,918	480	3,810	271	58,270
	1914	105,254	4,030	23,026	783	010	(1)	107,017
Lapidary work.....	1910	31,361	64	23	.....	4	20	2,121
	1914	17,713	15	36	22	8	(1)	917
Lard, not made in slaughtering and meat-packing establishments.....	1910	562	.....	53	.....	.....	.....	138
	1914	2,000	.....	830	24	(1)	.....	250
Lasts.....	1910	160,014	1,650	11,804	15	163	30	1,054
	1914	81,024	2,207	11,044	1	491	(1)	1,116
Lead, bar, pipe, and sheet.....	1910	148,008	10,036	10,440	220	806	2	12,406
	1914	67,001	3,707	9,974	175	1,755	(1)	45,311
Leather goods, not elsewhere specified.....	1910	178,037	2,308	5,061	115	42	759	8,351
	1914	97,734	3,216	17,360	24	154	(1)	12,255
Leather, tanned, curried, and finished.....	1910	9,823,256	89,722	1,448,160	3,710	78,415	10,817	211,404
	1914	3,757,026	89,140	1,124,444	2,489	67,252	(1)	527,057
Lime.....	1910	6,027,446	57,112	872,910	102,788	21,301	5,610	53,835
	1914	3,534,377	76,141	877,071	60,150	82,447	(1)	673,853
Linen goods.....	1910	103,088	3,512	13,510	.....	200	.....	.....
	1914	137,450	29,150	14,370	.....	.....	.....	.....
Liquors, distilled.....	1910	1,004,864	1,052	134,330	3,480	202,735	25,400	.....
	1914	1,832,521	8,830	909,017	1,010	65,141	(1)	70,310
Liquors, malt.....	1910	11,568,728	346,014	1,002,047	14,527	314,801	14,088	302,004
	1914	10,470,018	571,588	2,749,600	11,193	725,072	(1)	3,314,070
Liquors, vinous.....	1910	94,070	8,202	1,828	14	27,043	304	398
	1914	125,055	220	7,569	28	75,733	(1)	3,949
Lithographing.....	1910	589,210	12,300	30,770	1,421	2,754	653	35,408
	1914	340,679	13,018	32,110	873	2,093	(1)	34,739
Locomotives, not made by railroad companies.....	1910	3,107,478	33,863	330,071	28,202	163,980	853	78,202
	1914	1,190,500	43,734	263,343	22,030	114,887	(1)	244,160
Looking-glass and picture frames.....	1910	173,708	2,490	12,408	10	66	20	21,330
	1914	101,046	1,866	15,704	9	44	(1)	24,120
Lubricating greases.....	1910	56,372	100	7,302	27	571	10	67,234
	1914	38,452	931	13,950	150	14	(1)	8,321
Lumber and timber products.....	1910	8,178,780	15,386	1,020,058	6,221	805,081	52,546	20,347
	1914	4,051,368	24,580	885,537	1,006	454,002	(1)	91,075
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1910	4,725,782	35,730	586,970	23,204	44,609	18,572	363,963
	1914	2,840,410	44,552	457,043	2,071	48,630	(1)	350,275
Machine tools ²	1910	2,985,974	17,513	190,071	28,671	55,681	9,462	335,130
Malt.....	1910	1,144,110	38,983	134,002	12,450	12,550	44	107
	1914	1,144,882	88,087	200,048	11,075	15,631	(1)	1,343

¹ Included in the figures for fuel oils.

² Included in other classifications for 1914.

MANUFACTURES.

TABLE 30.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
Marble and stone work.....	1919	3,489,510	30,457	281,523	826	10,750	10,023	119,624
	1914	2,824,182	54,227	480,850	8,279	28,634	(1)	151,403
Matches.....	1919	275,758	1,040	49,559	106	6,332	10	331
	1914	108,146	1,437	41,030	30	(1)		4,758
Mats and matting, from cocoa fiber, grass, coir, etc.....	1919	51,198	28	8,087				38
	1914	23,080	10	4,766	60	4	(1)	2,060
Mattress and spring beds, not elsewhere specified.....	1919	618,514	5,275	30,485	850	6,822	1,501	43,504
	1914	392,701	4,608	30,507	1,007	652	(1)	78,238
Millinery and lace goods, not elsewhere specified.....	1919	950,630	14,400	31,073	150	670	547	67,091
	1914	641,796	13,610	33,896	287	2,523	(1)	108,049
Millstones 2.....	1919	7,410	3	780	60			
Mineral and soda waters.....	1919	1,810,833	16,750	109,525	990	51,440	19,700	104,282
	1914	692,132	16,485	64,667	1,550	10,206	(1)	238,911
Minerals and earths, ground or otherwise treated.....	1919	3,665,079	29,821	514,900	5,105	111,553	8,432	1,000,570
	1914	724,406	21,766	166,910	2,647	37,473	(1)	158,500
Mirrors, framed and unframed, not elsewhere specified.....	1919	177,906	2,536	13,427	62	917	45	23,021
	1914	114,256	3,228	15,040	78	1,310	(1)	12,348
Models and patterns, not including paper patterns.....	1919	288,887	2,251	4,959	2,116	72	258	42,021
	1914	130,344	2,735	3,518	278	104	(1)	28,743
Motorcycles, bicycles, and parts.....	1919	630,242	5,305	38,280	3,008	22,013	2,380	117,642
	1914	249,220	2,497	21,467	924	8,113	(1)	111,108
Mucilage, paste, and other adhesives, not elsewhere specified.....	1919	121,447	1,553	10,423	140	64	13	12,158
	1914	60,693	1,970	7,055	272	135	(1)	4,120
Musical instruments and materials, not specified.....	1919	149,239	1,312	8,816	56	52	215	35,031
	1914	51,407	1,311	2,689	62	40	(1)	11,717
Musical instruments, organs.....	1919	105,281	1,047	7,796	52	480	5	15,557
	1914	74,902	812	12,691	22	171	(1)	13,814
Musical instruments, pianos.....	1919	1,042,168	17,571	144,707	1,074	927	15	6,123
	1914	557,056	20,891	135,619	2,507	1,549	(1)	26,566
Musical instruments, piano and organ materials.....	1919	108,002	8,837	32,053	4,728	820	315	60,448
	1914	262,763	9,100	34,624	3,340	250	(1)	36,252
Needles, pins, and hooks and eyes.....	1919	400,801	4,420	21,393	16	1,603	652	26,700
	1914	108,677	4,630	14,978	46	1,139	(1)	7,827
Nets and seines.....	1919	23,469	419	8,080			24	
	1914	21,011	283	5,501	5	41	(1)	90
Oakum.....	1919	14,892	35	883	1,018	30		
	1914	7,954	1,028	408				
Oil and cake, cottonseed.....	1919	8,555,622	34,763	1,172,175	10,262	389,720	1,409	1,627,074
	1914	4,010,450	5,607	1,232,031	1,762	248,800	(1)	1,610,198
Oil, essential.....	1919	95,350	8,943	5,384		4,001	184	7,206
	1914	30,482	3,959	5,568		150	(1)	343
Oil, linseed.....	1919	608,470	31,893	73,871	85			757
	1914	371,428	13,061	85,402	131			26,447
Oil, not elsewhere specified.....	1919	1,370,370	40,578	143,153	2,633	38,428	3,068	52,139
	1914	347,432	12,088	62,275	253	35,074	(1)	43,454
Oilcloth and linoleum, floor.....	1919	1,347,884	36,141	181,629	2,721	7,440	140	
	1914	529,307	30,105	145,316	478	50	(1)	413
Oilcloth, enameled.....	1919	269,307	3,342	16,558	52	8,675		802
	1914	122,622	13,568	31,500	147	778	(1)	
Oleomargarine.....	1919	416,402	5,821	41,172	11,086	0	6,240	1,771
	1914	76,032	325	26,057		0	(1)	
Optical goods.....	1919	988,964	2,082	19,024	31	5,177	628	374,421
	1914	152,924	2,404	13,611	43	2,824	(1)	14,288
Ordnance and accessories.....	1919	1,079,549	30,747	66,084	3,837	58,308	668	2,978,401
Paints.....	1919	3,508,185	60,708	413,309	17,047	51,312	738	207,610
	1914	1,350,326	69,667	278,090	12,712	23,715	(1)	293,555
Paper and wood pulp.....	1919	54,999,955	800,948	7,863,150	63,384	2,117,674	2,440	280,000
	1914	24,261,348	741,177	6,268,853	15,455	635,320	(1)	2,260,502
Paper goods, not elsewhere specified.....	1919	1,274,395	30,626	108,075	228	2,008	400	29,117
	1914	598,824	48,371	90,113	25	193	(1)	34,344
Paper patterns.....	1919	2,524	53					446
	1914	22,082	2,065	400		14	(1)	511
Patent medicines and compounds.....	1919	1,087,108	43,033	106,045	775	10,806	1,038	102,410
	1914	520,882	39,158	87,306	378	5,333	(1)	425,142
Paving materials.....	1919	3,340,796	21,039	404,013	273	80,207	10,044	4,855
	1914	2,098,737	11,569	665,802	2,033	127,210	(1)	498,061
Peanuts, grading, roasting, cleaning, and shelling.....	1919	128,126	913	12,530	18	774	22	15,267
	1914	60,386	447	11,064	72	48	(1)	10,230
Pencils, lead.....	1919	251,633	15,500	9,142	511	1,736		5,014
	1914	95,723	16,086	3,830	269	1,858	(1)	2,001
Pens, fountain and stylographic.....	1919	286,507	620	2,770		152	30	4,241
	1914	23,025	157	1,400	11	10	(1)	1,001
Pens, gold.....	1919	7,483	33			1		717
	1914	5,234	51					908
Pens, steel.....	1919	16,558	4	2,141	2			3,654
	1914	7,086	49	1,650	2			1,128
Perfumery and cosmetics.....	1919	122,282	1,782	5,354	13	5,102	37	18,237
	1914	50,058	2,377	2,767	10	6	(1)	13,394

¹ Included in the figures for fuel oils.² Included in "All other" in 1914.

FUEL CONSUMED.

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TABLE 80.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
Petroleum, refining.....	1919	53,505,100	1,105,603	3,610,534	310,603	23,040,032	67,480	26,010,052
	1914	13,507,284	1,367,420	2,048,485	157,621	7,455,018	(1)	10,002,749
Phonographs and graphophones.....	1910	1,510,027	42,195	127,050	16	2,908	1,210	51,448
	1914	303,312	24,133	37,730				53,016
Photographic apparatus.....	1919	85,446	928	3,158	16	60	24	950
	1914	45,402	145	4,010	16	214	(1)	3,982
Photographic materials.....	1910	665,380	5,860	121,028	68	5	1,171	20,378
	1914	265,704	825	80,263	30	281	(1)	11,425
Photo-engraving, not done in printing establishments.....	1919	282,208	630	1,175	8	.....	12	329,022
	1914	216,073	520	4,019	20	930	(1)	37,475
Pickles, preserves, and sauces.....	1910	1,180,146	7,761	101,882	202	45,482	605	77,055
	1914	447,808	8,737	137,800	258	20,730	(1)	75,752
Pipes, tobacco.....	1910	112,125	1,050	2,418	19	2	1	1,488
	1914	49,222	3,236	2,498	120	88	(1)	2,200
Plated ware.....	1910	600,037	7,073	45,075	241	9,738	550	47,010
	1914	234,337	4,303	34,100	940	6,841	(1)	32,584
Plumbers' supplies, not elsewhere specified.....	1910	1,450,578	7,301	146,178	32,900	52,963	1,032	204,429
	1914	1,113,037	8,723	223,308	64,428	36,569	(1)	1,216,885
Pocketbooks.....	1910	32,272	600	559	.....	1	.....	1,355
	1914	15,260	758	278	5	0	(1)	19,260
Pottery.....	1910	5,303,371	34,058	610,562	1,017	40,500	1,203	6,645,388
	1914	2,764,550	44,461	577,774	785	70,903	(1)	8,348,257
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	1910	165,498	82	19,044	10	606	139	14,615
	1914	63,490	5	12,132	.....	180	(1)	15,371
Printing and publishing, book and job.....	1910	4,085,470	38,453	120,443	1,421	0,000	2,610	706,737
	1914	3,210,230	40,942	114,730	1,501	4,922	(1)	641,604
Printing and publishing, music.....	1910	20,637	100	1,103	.....	50	50	706
	1914	20,200	114	415	.....	32	(1)	1,078
Printing and publishing, newspapers and periodicals.....	1910	7,203,326	121,709	103,231	4,115	63,296	24,770	1,720,403
	1914	4,524,983	92,927	182,540	2,271	44,760	(1)	1,535,024
Printing materials.....	1910	60,810	1,722	1,910	.....	2	.....	11,553
	1914	24,080	1,002	1,459	40	5	(1)	5,514
Pulp, from fiber other than wood ¹	1910	21,040	204	3,710	.....	.....	.....	.....
Pulp goods.....	1910	630,000	1,835	108,142	160	242	370	1,477
	1914	240,323	2,630	72,205	.....	50	(1)	1,308
Pumps, not including power pumps.....	1910	300,020	1,463	24,580	6,036	020	148	91,380
	1914	94,023	812	6,042	5,233	574	(1)	20,057
Pumps, steam and other power.....	1910	702,175	10,661	70,101	17,823	10,440	2,814	40,376
	1914	267,422	21,312	34,900	14,558	8,240	(1)	23,002
Refrigerators.....	1910	244,831	928	37,247	67	2,117	93	9,305
	1914	132,004	1,348	33,701	302	763	(1)	24,961
Regalia, and society badges and emblems.....	1910	63,205	208	4,113	544	66	11	2,004
	1914	20,170	247	2,000	61	.....	.....	7,830
Rice, cleaning and polishing.....	1910	298,044	703	10,865	.....	54,720	346	.....
	1914	91,588	.....	9,530	.....	41,470	(1)	.....
Roofing materials.....	1910	2,031,098	25,400	365,026	15,384	120,337	39,448	136,830
	1914	600,163	7,610	108,100	1,110	69,882	(1)	171,580
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1910	12,605,043	84,015	1,028,110	3,651	180,630	43,146	283,760
	1914	2,744,005	68,703	919,006	348	8,778	(1)	371,253
Rules, ivory and wood.....	1910	9,088	13	904	.....	.....	.....	1,850
	1914	15,089	4	3,832	.....	.....	.....	187
Saddlery and harness.....	1910	378,676	1,613	20,821	126	200	237	22,877
	1914	286,543	3,580	34,229	679	3,089	(1)	37,552
Safes and vaults.....	1910	106,036	1,450	10,024	545	0,308	452	16,928
	1914	98,208	216	18,320	680	608	(1)	7,836
Salt.....	1910	4,087,867	81,261	907,447	6,020	120,581	17,046	45,085
	1914	1,817,573	85,804	714,402	535	55,443	(1)	803,330
Sand and emery paper and cloth.....	1910	124,027	9,385	9,702	.....	0	(1)	.....
	1914	85,006	2,727	10,321	.....	.....	.....	.....
Sand-lime brick.....	1910	134,639	1,200	21,673	28	1,203	67	.....
	1914	82,007	707	25,280	712	770	(1)	.....
Sausage, not made in slaughtering and meat-packing establishments.....	1910	520,060	4,460	19,632	1,601	2,536	447	66,093
	1914	243,410	4,020	16,640	481	1,956	(1)	68,442
Saws.....	1910	500,214	816	39,531	1,263	34,035	4,788	69,203
	1914	280,257	2,504	40,214	880	20,137	(1)	81,615
Scales and balances.....	1910	264,584	1,028	10,287	4,695	1,793	662	15,816
	1914	158,323	3,808	16,032	5,054	823	(1)	11,606
Screws, machine.....	1910	643,168	1,610	30,492	130	13,105	1,354	110,153
	1914	165,883	778	13,148	28	2,708	(1)	41,711
Screws, wood.....	1910	382,313	9,909	10,127	113	3,294	210	3,550
	1914	174,262	6,882	22,710	117	.....	.....	.....
Sewing-machine cases.....	1910	110,888	.....	28,057	2,074	.....	.....	18,009
	1914	36,000	.....	18,100	.....	.....	.....	22,948
Sewing machines and attachments.....	1910	541,271	73,561	34,080	10,894	10,301	614	81,603
	1914	331,940	44,030	40,208	3,088	1,485	(1)	92,083
Shipbuilding, steel.....	1910	13,043,141	37,302	785,808	96,717	980,144	95,584	604,467
	1914	1,172,270	4,388	210,785	9,877	111,037	(1)	300,260
Shipbuilding, wooden, including boat building.....	1910	1,060,951	12,842	82,815	973	52,528	5,595	6,004
	1914	240,008	9,053	32,036	671	11,292	(1)	5,520

¹ Included in the figures for fuel oils.

* Included in "All other" in 1914.

MANUFACTURES.

TABLE 30.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
Shirts.....	1919	655,823	18,343	33,040	443	2,034	845	55,494
	1914	516,439	24,526	41,910	1,056	3,856	(1)	82,244
Show cases.....	1919	102,007	106	7,501	7	175	9	7,701
	1914	64,742	779	10,687	7	59	(1)	4,552
Signs and advertising novelties.....	1919	355,353	2,495	34,932	305	4,399	239	35,453
	1914	182,070	2,554	32,441	141	2,209	(1)	46,124
Silk goods.....	1919	6,201,447	306,165	269,717	1,002	45,195	1,311	44,724
	1914	2,322,684	307,607	202,514	48	2,962	(1)	148,252
Silversmithing and silverware.....	1919	336,627	2,364	13,477	41	20,611	5,606	35,503
	1914	196,011	4,310	22,850	682	11,356	(1)	41,160
Slaughtering and meat packing.....	1919	24,089,789	222,801	3,802,849	32,170	1,800,794	21,725	1,291,318
	1914	8,340,758	222,975	226,106	13,859	1,201,150	(1)	2,014,965
Smelting and refining, copper.....	1919	19,243,024	170,026	1,088,511	307,702	2,539,631	3,420	712,817
	1914	13,471,917	269,480	812,196	744,256	2,303,755	(1)	* 10,615
Smelting and refining, lead.....	1919	5,076,483	7,276	292,806	321,442	201,881	207	20,040
	1914	3,883,559	.....	358,481	389,820	186,530	(1)	90,036
Smelting and refining, metals, not elsewhere specified ¹	1919	587,088	8,201	72,074	38,420	140,017	322	1,002
Smelting and refining, zinc.....	1919	9,446,601	835,120	1,123,500	238,432	6,197	449	24,313,653
	1914	4,115,854	718,772	1,003,519	92,595	145,811	(1)	29,330,089
Smelting and refining, not from the ore.....	1910	726,717	26,830	55,353	10,203	48,458	374	34,532
	1914	866,680	25,507	136,140	41,011	101,961	(1)	630,872
Soap.....	1919	3,820,744	107,632	606,355	1,052	93,851	3,032	12,053
	1914	1,618,833	83,378	515,356	2,850	36,150	(1)	70,948
Soda-water apparatus.....	1910	130,652	107	12,062	2,167	200	31	2,351
	1914	70,230	1,516	13,907	82	518	(1)	15,172
Sporting and athletic goods.....	1910	238,612	2,427	18,927	10	660	1,235	45,870
	1914	115,685	2,035	12,075	202	990	(1)	12,429
Springs, steel, car and carriage, not made in steel works or rolling mills.....	1919	1,703,878	3,377	54,078	1,479	223,028	12,060	1,167,812
Stamped and enameled ware, not elsewhere specified.....	1919	2,920,902	19,623	330,237	21,705	158,077	5,235	823,894
	1914	1,412,883	32,510	343,920	13,920	123,261	(1)	1,050,571
Stationery goods, not elsewhere specified.....	1919	347,516	5,431	22,160	92	39	307	14,392
	1914	149,501	3,540	20,273	30	1,813	(1)	22,417
Statuary and art goods.....	1919	50,047	1,223	1,880	100	35	8	41,248
	1914	37,403	1,451	3,274	142	285	(1)	10,117
Steam fittings and steam and hot-water heating apparatus.....	1919	3,997,073	34,400	208,393	147,474	123,885	2,249	290,975
Steam packing.....	1914	1,433,495	18,584	16,000	120,416	57,770	(1)	58,1,584
	1919	1,392,565	1,225	231,581	13,789	35,101	2,279	77,040
	1914	474,608	10,402	157,331	9,896	2,661	(1)	20,737
Steel barrels, drums, and tanks, portable ²	1910	237,232	444	20,960	3,333	5,305	13	26,340
Stencils and brands.....	1919	14,216	228	125	9	.....	3	3,244
	1914	11,102	253	209	20	17	(1)	4,173
Stereotyping and electrotyping.....	1919	353,438	1,404	3,558	97	410	31	77,717
Stoves and hot-air furnaces.....	1919	2,341,500	13,369	161,318	121,676	1,630	5,950	101,160
	1914	1,081,605	15,000	144,390	96,703	1,777	(1)	177,448
Stoves, gas and oil.....	1919	579,393	1,058	60,685	7,138	7,870	43,688	116,614
Structural ironwork, not made in steel works or rolling mills.....	1919	189,152	11,390	36,404	5,565	6,204	(1)	75,449
	1914	1,831,223	20,000	331,098	41,174	159,015	9,505	626,774
	1919	3,777,522	28,428	280,412	35,410	130,020	(1)	1,003,107
Sugar, beet.....	1919	5,378,004	.....	1,047,643	125,262	504,050	209	57,832
Sugar, cane.....	1919	2,720,525	37,235	682,603	37,854	803,608	(1)	4,789
	1914	1,082,180	1,233	29,823	112	1,036,566	3,100	153,277
	1914	1,151,610	2,487	30,411	15	840,170	(1)	.....
Sugar, refining, not including beet sugar.....	1919	9,709,121	406,248	987,600	430	1,705,090	114	.....
Sulphuric, nitric, and mixed acids.....	1914	3,985,160	451,310	875,882	1,624	718,633	(1)	.....
	1919	2,122,819	52,865	250,615	6,503	170,466	250	136,953
	1914	651,229	69,645	184,303	1,547	32,769	(1)	283,052
Surgical appliances.....	1919	370,458	823	45,704	473	2,885	11	29,883
Suspenders, garters, and elastic woven goods.....	1914	148,172	2,134	34,743	211	126	(1)	7,401
	1919	482,916	1,538	36,001	3	400	.....	16,190
	1914	171,447	1,803	24,590	4	196	(1)	11,537
Textile machinery and parts ²	1919	1,541,914	14,015	91,551	27,645	43,140	693	52,310
Theatrical scenery.....	1919	4,071	20	172	3	.....	.....	659
	1914	2,100	78	133	3	.....	.....	339
Tin and other foils, not elsewhere specified.....	1919	171,085	8,545	4,287	12	33	37	13,916
Tin plate and terneplate.....	1914	45,500	6,604	2,414	.....	.....	.....	2,581
	1919	364,189	122	68,728	7	3,558	20	114,063
	1914	309,924	.....	126,742	214	25,000	(1)	1,017,330
Tinware, not elsewhere specified.....	1919	1,408,801	23,961	115,100	1,342	7,488	6,384	402,702
Tobacco, chewing and smoking, and snuff.....	1914	684,067	15,187	78,542	311	8,229	(1)	294,047
	1919	850,923	6,391	150,053	723	1,630	209	3,207
	1914	498,935	10,867	177,688	548	187	(1)	85,155

¹ Included in the figures for fuel oils.² Included in other classifications for 1914.

FUEL CONSUMED.

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TABLE 30.—FUEL CONSUMED, BY INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY.	Census Year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic foot).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
Tobacco, cigars and cigarettes.....	1919	1,470,102	38,326	124,335	1,042	2,608	222	113,324
	1914	681,028	37,800	71,880	577	336	(1)	204,000
Tools, not elsewhere specified.....	1919	2,681,583	16,242	147,000	6,324	133,644	15,513	486,551
	1914	857,012	16,800	108,548	5,047	56,008	(1)	358,844
Toys and games.....	1919	473,208	5,700	21,002	1,207	402	220	60,078
	1914	136,357	2,705	14,245	1,570	440	(1)	20,039
Trunks and valises.....	1919	233,001	2,146	25,447	109	20	148	16,671
	1914	101,115	4,217	21,630	202	187	(1)	21,748
Turpentine and resin.....	1919	274,012	516	1,415	.....	369	4,023	.....
	1914	104,052	.....	.....	.....	783	(1)	.....
Type founding.....	1919	49,405	3,894	102	.....	50	96	3,135
	1914	38,130	3,140	1,002	87	123	(1)	20,567
Typewriters and supplies.....	1919	377,007	17,343	32,203	1,280	13,900	1,436	63,632
	1914	228,210	14,307	20,410	345	8,102	(1)	58,025
Umbrellas and canes.....	1919	153,029	0,737	5,434	50	6,535	105	8,521
	1914	93,012	0,370	4,088	40	3,020	(1)	16,291
Upholstering materials, not elsewhere specified.....	1919	518,207	5,923	53,532	130	2,230	968	9,351
	1914	241,800	11,408	46,231	1,000	2,123	(1)	1,277
Varnishes.....	1919	665,066	17,350	33,828	10,272	2,901	1,083	53,081
	1914	241,904	11,800	23,404	12,740	100	(1)	73,140
Vault lights and ventilators.....	1919	12,021	61	234	22	3	.....	2,203
	1914	10,014	63	584	383	10	(1)	2,225
Vinegar and cider.....	1919	352,174	2,785	44,004	541	3,080	2,264	5,388
	1914	111,482	3,741	23,711	44	1,519	(1)	5,708
Wall paper, not made in paper mills.....	1919	297,348	13,072	28,174	.....	10	.....	2,000
	1914	200,905	16,328	30,574	.....	6	(1)	41,197
Wall plaster and composition flooring.....	1919	1,338,324	9,151	154,116	5,107	105,438	4,007	10,855
	1914	1,100,687	40,726	180,840	0,704	137,013	(1)	30,207
Washing machines and clothes wringers.....	1919	221,004	1,110	10,400	9,775	92	1,420	27,620
	1914	51,371	688	10,913	488	263	(1)	0,707
Waste.....	1919	234,238	3,278	13,542	162	2,605	83	15,906
	1914	145,161	0,064	10,888	.....	453	(1)	3,725
Watch and clock materials, except watchcases.....	1919	18,305	618	221	.....	870	10	1,793
	1914	22,264	571	2,904	4	2,077	(1)	1,474
Watchcases.....	1919	146,867	1,127	22,141	180	2,396	157	63,711
	1914	94,087	1,388	8,800	187	1,400	(1)	34,221
Watches.....	1919	283,548	5,535	34,834	.....	7,130	823	37,515
	1914	97,200	3,003	25,024	10	.....	.....	25,237
Wheelbarrows.....	1919	16,703	181	1,720	2	715	83	160,392
	1914	12,000	400	2,832	31	8	(1)	.....
Whips.....	1919	38,130	60	1,373	.....	11	900	.....
	1914	18,701	192	1,700	.....	342	(1)	1,328
Windmills, not elsewhere specified.....	1919	146,505	208	18,021	0,045	1,073	804	019
	1914	66,597	5	18,000	3,013	1,247	(1)	1,704
Window and door screens and weather strips.....	1919	98,000	180	7,000	.....	241	150	8,210
	1914	62,370	173	10,408	7	408	(1)	12,508
Window shades and fixtures.....	1919	367,488	1,944	59,708	500	749	101	7,447
	1914	166,213	5,101	40,388	10	200	(1)	6,901
Wire.....	1919	4,235,523	12,573	720,040	18,547	172,693	3,550	410,310
	1914	1,813,172	30,087	523,003	14,820	58,970	(1)	415,873
Wirework, including wire rope and cable, not elsewhere specified.....	1919	980,802	21,158	72,873	2,890	14,522	11,117	104,211
	1914	450,802	3,221	70,622	1,611	6,034	(1)	78,901
Wood distillation.....	1919	2,287,221	40,677	308,747	.....	60,445	10,814	1,708,302
	1914	1,021,470	38,004	100,504	.....	18	(1)	1,621,060
Wood preserving.....	1919	782,874	27	130,410	88	73,575	300	343,230
	1914	320,358	20	106,624	773	63,360	(1)	100,058
Wood, turned and carved.....	1919	290,652	1,031	14,000	182	1,008	550	10,314
	1914	170,603	2,634	18,018	4	948	(1)	70,038
Wooden goods, not elsewhere specified.....	1919	102,742	1,010	10,082	208	997	274	3,272
	1914	70,877	1,381	15,208	4	544	(1)	2,077
Wool pulling.....	1919	78,782	604	17,208	1,352	3,316	56	4,217
	1914	60,475	646	13,578	180	1,493	(1)	10,196
Wool scouring.....	1919	430,343	570	55,020	45	7,745	8	.....
	1914	116,572	1,471	27,400	.....	3,073	(1)	67
Wool shoddy.....	1919	504,005	6,813	45,600	595	217	8	4,513
	1914	232,019	7,060	41,042	.....	125	(1)	65,406
Woolen and worsted goods.....	1919	15,398,008	214,300	1,541,639	3,651	826,508	22,845	52,094
	1914	7,203,531	235,004	1,644,376	1,508	28,654	(1)	57,704
All other industries ^a	1919	4,776	2	900	.....	231	(1)	550
	1914	30,100	211	5,132	.....	231	(1)	1,008

^a Included in the figures for fuel oils.^b All other industries comprise: In 1919—"straw goods, not elsewhere specified"; "whalebone cutting"; and "wood carpet." In 1914—"millstones"; "ordnance and accessories"; "pulp, from fiber other than wood"; "whalebone cutting"; and wood carpet.

MANUFACTURES.

TABLE 31.—FUEL CONSUMED, BY GEOGRAPHIC DIVISIONS AND STATES: 1910 AND 1914.

DIVISION AND STATE.	Census year.	Cost of fuel and rent of power.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
United States.....	1910	\$1,645,988,556	14,334,402	203,403,622	42,595,019	89,685,223	2,344,409	341,921,022
	1914	680,406,709	14,041,123	166,583,373	32,539,325	48,689,332	(1)	334,947,889
GEOGRAPHIC DIVISIONS:								
New England.....	1910	140,206,883	1,565,254	10,932,267	782,919	7,675,559	182,248	2,039,020
	1914	61,811,292	1,408,487	10,070,166	329,928	1,570,873	(1)	1,072,140
Middle Atlantic.....	1910	580,308,618	11,039,452	76,800,237	16,961,032	22,613,856	558,527	124,317,839
	1914	244,706,485	11,600,876	67,008,850	14,716,106	8,768,910	(1)	116,333,008
East North Central.....	1910	507,741,884	532,197	60,093,939	16,591,794	11,792,988	736,930	51,257,911
	1914	188,108,967	473,710	43,213,509	10,020,807	6,579,188	(1)	50,232,750
West North Central.....	1910	88,188,622	84,805	11,365,400	808,079	6,380,994	134,000	10,396,769
	1914	38,002,300	138,177	9,350,086	477,136	3,946,110	(1)	17,020,760
South Atlantic.....	1910	107,114,380	347,542	13,785,720	1,526,027	2,670,941	154,088	50,754,152
	1914	42,499,186	343,533	11,813,422	1,186,350	1,370,275	(1)	53,080,720
East South Central.....	1910	80,128,773	23,036	13,034,740	4,289,024	433,019	40,701	3,086,152
	1914	28,708,825	8,637	10,680,323	3,294,107	164,462	.....	2,828,300
West South Central.....	1910	47,140,562	95,812	2,002,830	308,467	16,409,839	98,198	76,312,121
	1914	19,346,952	34,018	2,508,765	140,881	7,784,041	(1)	34,010,020
Mountain.....	1910	41,231,964	35,976	5,519,721	902,650	4,122,533	48,287	5,051,780
	1914	23,202,450	22,400	5,408,301	1,292,103	2,701,447	(1)	903,150
Pacific.....	1910	53,858,865	10,320	832,045	273,818	17,576,404	300,812	8,205,042
	1914	22,750,302	8,346	539,050	172,847	15,798,912	(1)	3,468,858
NEW ENGLAND:								
Maine.....	1910	13,483,662	43,234	1,257,623	21,972	508,004	7,473	45,503
	1914	5,034,231	79,024	1,014,213	9,034	31,376	(1)	0,407
New Hampshire.....	1910	7,928,171	280,885	539,405	30,904	578,398	27,656	20,010
	1914	4,140,058	101,330	635,885	10,160	46,501	(1)	19,523
Vermont.....	1910	3,548,145	40,627	236,517	13,540	24,006	4,001	106,306
	1914	1,818,826	50,146	203,409	6,824	22,454	(1)	7,528
Massachusetts.....	1910	72,350,270	693,750	5,634,701	501,293	3,063,077	90,483	1,222,444
	1914	32,507,238	664,428	5,503,400	223,132	844,251	(1)	630,455
Rhode Island.....	1910	13,783,311	90,028	982,891	51,853	1,304,488	10,027	616,005
	1914	5,882,130	139,068	1,050,045	17,631	163,240	(1)	113,335
Connecticut.....	1910	20,104,320	308,121	2,281,130	163,288	1,447,580	32,018	927,402
	1914	11,528,800	371,893	1,654,208	93,135	471,995	(1)	201,802
MIDDLE ATLANTIC:								
New York.....	1910	102,250,967	3,805,763	11,533,033	3,010,517	6,871,949	125,025	4,712,372
	1914	75,982,358	3,017,927	9,831,153	2,274,487	5,103,039	(1)	4,030,030
New Jersey.....	1910	75,060,820	3,681,497	6,701,052	603,592	0,527,011	90,370	1,000,277
	1914	29,476,205	4,086,923	3,086,555	444,740	1,020,268	(1)	1,231,745
Pennsylvania.....	1910	342,000,821	4,252,192	5,857,1552	13,247,023	9,214,806	337,132	117,636,190
	1914	139,337,862	3,906,021	54,141,142	11,990,930	2,026,003	(1)	110,044,084
EAST NORTH CENTRAL:								
Ohio.....	1910	182,014,254	108,006	25,490,860	8,640,711	1,837,053	188,553	45,044,700
	1914	59,335,812	43,198	13,027,612	6,267,433	678,230	(1)	50,002,157
Indiana.....	1910	60,194,193	31,090	13,577,580	2,693,061	2,721,506	80,225	2,308,059
	1914	32,094,771	10,761	10,274,828	1,172,542	772,316	(1)	1,480,430
Illinois.....	1910	125,880,302	238,451	16,502,727	3,903,043	4,870,501	114,255	3,557,093
	1914	51,427,596	210,614	14,490,282	2,689,250	4,111,368	(1)	1,831,084
Michigan.....	1910	66,337,153	50,516	8,241,877	812,041	1,741,030	150,410	2,105,085
	1914	23,473,021	95,815	5,974,004	400,12	781,212	(1)	2,455,572
Wisconsin.....	1910	42,406,892	103,525	5,271,886	542,938	616,709	214,487	1,270,800
	1914	16,177,767	98,831	5,537,183	340,460	236,055	(1)	383,016
WEST NORTH CENTRAL:								
Minnesota.....	1910	22,482,478	41,074	2,483,503	440,452	202,001	35,045	1,438,853
	1914	8,007,904	42,650	1,400,702	101,018	303,707	(1)	84,463
Iowa.....	1910	14,205,036	15,400	2,154,407	134,841	573,058	26,441	181,957
	1914	7,781,260	10,270	2,301,170	83,082	280,261	(1)	120,600
Missouri.....	1910	20,044,354	14,652	4,117,582	194,758	1,830,908	31,322	1,058,084
	1914	12,168,178	15,100	3,577,088	222,717	1,346,828	(1)	1,073,086
North Dakota.....	1910	1,012,245	1,730	192,434	1,498	2,550	2,324	0,451
	1914	527,038	5,282	145,871	1,371	3,280	(1)	2,221
South Dakota.....	1910	1,164,857	2,784	96,832	9,103	73,454	5,105	11,092
	1914	527,599	2,607	81,769	6,870	20,466	(1)	2,950
Nebraska.....	1910	7,137,607	2,045	917,603	56,904	430,064	12,901	75,056
	1914	2,760,081	40,932	644,175	23,737	189,578	(1)	46,430
Kansas.....	1910	15,641,055	6,213	1,403,043	60,523	3,108,330	21,408	13,022,876
	1914	6,229,277	16,318	1,138,712	32,332	1,820,948	(1)	10,550,302

¹ Included in figures for fuel oils.

FUEL CONSUMED.

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TABLE 31.—FUEL CONSUMED, BY GEOGRAPHIC DIVISIONS AND STATES: 1919 AND 1914—Continued.

DIVISION AND STATE.	CENSUS YEAR.	Cost of fuel and rent of power.	COAL		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
			Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).				
SOUTH ATLANTIC:								
Delaware.....	1919	3,970,775	38,185	507,354	15,712	194,047	2,390	80,063
	1914	1,402,074	26,731	330,907	14,292	64,951	(1)	30,745
Maryland.....	1919	21,051,071	65,230	2,020,167	436,764	1,080,424	33,204	1,270,991
	1914	7,725,083	127,598	1,425,508	320,133	1,022,094	(1)	1,102,357
District of Columbia.....	1919	3,477,734	87,731	125,170	15,579	309,236	1,147	964,704
	1914	1,450,029	59,552	150,024	1,831	259,693	(1)	48,052
Virginia.....	1919	10,481,261	23,475	3,532,388	603,017	202,726	9,644	44,046
	1914	7,447,446	14,981	2,823,292	568,028	128,090	(1)	35,712
West Virginia.....	1919	20,747,960	66,568	4,007,630	341,030	34,045	6,103	48,247,748
	1914	7,205,384	63,000	3,564,398	208,374	18,221	(1)	51,808,850
North Carolina.....	1919	13,010,881	43,425	1,350,142	14,080	38,734	12,476	0,050
	1914	6,235,071	23,151	1,102,237	22,268	29,724	(1)	14,888
South Carolina.....	1919	7,500,770	14,451	818,847	17,340	38,295	7,473	35,583
	1914	4,137,716	8,580	754,305	13,507	31,290	(1)	3,812
Georgia.....	1919	12,068,540	3,308	1,452,454	45,215	202,110	53,064	81,153
	1914	6,829,700	3,433	1,410,238	30,315	82,038	(1)	35,150
Florida.....	1919	4,231,373	5,110	202,577	30,384	303,754	28,570	20,725
	1914	1,358,527	10,480	143,553	17,522	141,374	(1)	9,660
EAST SOUTH CENTRAL:								
Kentucky.....	1919	11,220,037	1,696	2,200,601	252,510	82,284	12,910	3,603,772
	1914	4,350,280	2,070	2,073,415	100,235	60,455	(1)	2,603,215
Tennessee.....	1919	14,214,702	5,075	2,738,350	475,310	90,800	11,077	161,830
	1914	5,128,003	2,231	1,830,682	371,946	64,113	(1)	60,034
Alabama.....	1919	51,688,889	4,801	7,649,050	3,550,934	184,343	11,918	216,135
	1914	17,922,298	1,883	6,300,218	2,725,085	27,777	(1)	150,005
Mississippi.....	1919	2,005,245	10,874	446,070	4,801	66,493	4,850	4,395
	1914	1,393,284	1,853	470,108	6,242	12,117	(1)	3,630
WEST SOUTH CENTRAL:								
Arkansas.....	1919	2,031,607	7,824	285,741	10,307	41,762	5,603	6,723,403
	1914	1,200,380	10,027	270,001	1,749	28,221	(1)	2,152,168
Louisiana.....	1919	10,250,728	4,955	474,133	101,698	2,855,514	63,204	24,181,161
	1914	4,585,273	13,749	608,750	25,621	1,931,340	(1)	1,748,117
Oklahoma.....	1919	11,030,013	44,433	478,734	37,409	3,163,152	9,108	40,523,914
	1914	2,810,914	1,082	420,745	20,870	224,575	(1)	24,078,701
Texas.....	1919	22,602,250	38,000	854,231	158,003	10,340,421	30,323	4,883,550
	1914	10,738,385	8,890	1,288,170	83,032	5,500,905	(1)	6,040,046
MOUNTAIN:								
Montana.....	1919	4,550,972	234	530,302	64,705	22,517	1,739	97,410
	1914	4,403,437	550	578,234	100,481	39,036	(1)	11,211
Idaho.....	1919	1,002,050	353	152,014	24,420	23,010	917	3,751
	1914	471,032	175	88,222	2,482	2,273	(1)	2,266
Wyoming.....	1919	1,740,231	70	115,957	2,000	1,281,600	2,132	4,703,510
	1914	351,468	102	102,011	038	250,806	(1)	4,552
Colorado.....	1919	14,000,215	33,331	2,946,890	530,304	113,178	39,380	114,840
	1914	8,086,241	14,495	2,027,893	600,190	98,339	(1)	916,038
New Mexico.....	1919	1,753,302	580	672,527	831	80,874	693	1,058
	1914	1,050,280	422	774,400	2,355	30,802	(1)	1,382
Arizona.....	1919	8,371,505	150	44,970	143,567	2,001,578	1,570	10,076
	1914	4,837,693	5,002	41,341	200,097	1,324,588	(1)	5,013
Utah.....	1919	7,047,050	1,224	1,030,810	160,900	257,918	1,647	24,075
	1914	4,744,806	1,685	1,150,745	204,807	301,357	(1)	20,376
Nevada.....	1919	1,402,710	15	117,427	20,104	245,280	309	5,850
	1914	1,201,536	63	44,840	18,303	555,240	(1)	831
PACIFIC:								
Washington.....	1919	11,281,255	4,502	642,805	68,205	1,732,750	36,337	215,511
	1914	5,250,690	4,325	490,801	69,355	1,400,957	(1)	88,491
Oregon.....	1919	4,851,320	1,825	72,095	10,070	1,350,450	19,873	402,457
	1914	2,058,445	1,821	14,437	6,106	940,377	(1)	61,988
California.....	1919	37,720,200	4,002	117,085	104,043	14,403,285	334,602	7,587,674
	1914	15,435,258	2,000	34,712	97,386	13,359,578	(1)	3,318,379

¹ Included in figures for fuel oils.

FOURTEEN GROUPS OF INDUSTRIES.

Summary for 14 general groups of industries (Table 32).—To facilitate the comparison of one broad type of manufacturing with another, the 358 industries distinguished at the census of 1919 have been grouped into 14 general classes. This classification of industries into broad groups was first made in connection with the census of 1899. Table 32, therefore, presents statistics for these classes for the last five censuses.

Any grouping of industries must necessarily be more or less arbitrary. In making up the 14 classes shown in Table 32, the Census Bureau has followed two principles: (1) That of similarity with respect to character of materials; and (2) that of similarity with respect to the use of the finished product. In some cases the actual classification of an industry might be explained by either principle. Thus the industries assigned to the textile group all resemble one another in using as materials fibers of different sorts or the more advanced products derived from those materials; and most of them resemble one another in that the products are designed chiefly for use, directly or indirectly, as clothing. On the other hand, the uses of the products made by the various industries classed under the general designation "iron and steel and their products" are extremely varied, and this group has been constituted solely with respect to the character of the principal materials used.

Food and kindred products (Table 33).—This group of industries includes the manufacture of all kinds of food products except liquors and beverages. Measured by value of products it is the most important of the 14 groups of industries. It has been subdivided into 2 subordinate groups, the first covering the output of animal products and the second that of vegetable products. Table 33 gives for the industries of each subgroup, the principal items of information as reported at the census of 1919.

Special statistics have been collected and compiled for butter, cheese, and condensed milk, slaughtering and meat packing, canning and preserving, chocolate and cocoa products, confectionery and ice cream, flour-mill and gristmill products, glucose and starch, rice, cleaning and polishing, and sugar. These reports will be found in Volume X.

Textiles and their products (Table 34).—The fundamental materials of this group are textile fibers of every variety—cotton, wool, flax, silk, jute, hemp, ramie, and other coarser fibers, and all admixtures of these fibers. This group of industries may be broadly divided into three divisions, namely, those which are engaged in one or more of the processes involved in

the manufacture of the fabric, those which convert the fabric into articles for personal wear, and those making other textile products. Industries of the second and third divisions largely use as materials the products of industries of the first division. Even within a single industry there is often duplication in value of products due to the same cause. The textile group, as a whole, occupies the third place among the 14 groups of industries in value of products, being exceeded by "food and kindred products," and "iron and steel and their products." If, however, the rank were based upon the average number of wage earners, the "textiles and their products" group ranks first, giving employment to 17.7 per cent of the total number reported for all manufacturing industries.

A special report on textiles, which covers the first division of industries, will be found in Volume X.

Iron and steel and their products (Table 35)—This group is intended to cover the manufacture of crude iron and steel and its conversion into finished products. Some of the finished products included, such as rails, plates, pipe, and wire, are of a relatively simple character. Others are highly elaborated products, for which the mere cost of the iron and steel as such is but a small proportion of the total cost. Many of these highly elaborated products may be roughly grouped under the terms "machinery" and "tools." (See Volume X for special report on iron and steel, and wire; cast-iron pipe; engines and locomotives; and machinery and machine-shop products.)

There are a number of industries not classified by the Census Bureau under the group "iron and steel and their products," which nevertheless use iron and steel very largely as materials, and in which a considerable part of the process of manufacture consists of what would ordinarily be termed foundry and machine-shop work. These industries, however, use other materials extensively, in addition to iron and steel, and parts of their processes of manufacture do not fall under the general designation of foundry and machine-shop work. Among such industries may be mentioned the following: "Automobiles," included in the group "vehicles for land transportation"; "railroad repair shops"; "agricultural implements"; "electrical machinery, apparatus, and supplies"; "instruments, professional and scientific"; "shipbuilding, steel"; and "windmills."

The industries in this group are divided into two subgroups: (1) industries making crude iron and steel and rolled products; and (2) industries making other iron and steel manufactures, chiefly products ready

for consumption, including machines and tools of various classes. The industries of the second subgroup use largely the materials that are produced in those of the first subgroup, so that in the total value of products for the group as a whole there is extensive duplication.

Iron and steel rank second in the value of products in the 14 general groups and also second in number of wage earners employed, and first according to value added by manufacture.

Lumber and its remanufactures (Table 36).—This group includes the production of lumber and its remanufactures. It embraces practically all of the industries in which wood in some form is the material of chief value. It is necessary, however, in some cases to include statistics for allied products, although no wood is used in their production. For example, the statistics for furniture include the manufacture of metal furniture and of metal store and office fixtures.

Table 36 shows the number of establishments, average number of wage earners, capital, total wages paid, cost of materials, value of products, value added by manufacture, and primary power for each of the industries included in the general group as reported at the census of 1919, with the exception of "wood carpet", for which statistics can not be published without disclosing individual operations.

A special report covering forest products appears in Volume X.

Leather and its finished products (Table 37).—This general group presents the industries that depend upon hides and skins for their chief raw material, and includes in its products the leather itself in all its forms, as well as the finished products into which the leather is remanufactured. The table shows for each industry the number of establishments, average number of wage earners, capital, total wages paid, cost of materials, value of products, value added by manufacture, and primary horsepower, as reported for the census of 1919.

The value of products for this group represents much duplication, the products of the tanneries being used for the other industries listed.

A special report on leather and its finished products will be found in Volume X.

Paper and printing (Table 38).—Under this heading five closely related groups of industries are shown, (1) the manufacture of paper and wood pulp; (2) the manufacture of articles from paper; (3) printing and publishing; (4) industries relating to printing and publishing; and (5) establishments printing wall paper and not manufacturing the paper used. As industries of the second, third, and fifth classes use materials provided by those of the first, and to some extent by those of the fourth, there is considerable duplication in the value of products for the group as a whole.

A special report on paper and wood pulp, and printing and publishing will be found in Volume X.

Liquors and beverages (Table 39).—The table shows the number of establishments, average number of wage earners, capital, total wages paid, cost of materials, value of products, value added by manufacture, and primary horsepower for each of the industries included in this general group, as reported at the census of 1919. The quantities of the distilled and fermented liquors, which are the products of chief value, are not given here, but are presented in the annual reports of the Commissioner of Internal Revenue.

The group as a whole decreased from 1914 to 1919, due to enactment of prohibition legislation. While the manufacture of distilled liquors decreased 84.6 per cent in value of product, malt liquors showed a decrease of only 14.1 per cent, due to the inclusion of cereal beverages. On the other hand, mineral and soda waters show an increase of \$76,939,975, or 131.7 per cent.

Chemicals and allied products (Table 40).—This group includes not only the industries whose products are chemicals in the ordinary sense of that term, but also the industries which employ to a large extent chemical processes in manufacture. The group is a very complicated one and the various products differ most widely in character and in the use to which they are put. There is considerable duplication in the combined products of this group, due to the use of products of certain industries as materials for others.

This group ranked fifth in value of manufactured products, forming 9 per cent of the total products of the entire country. However, the group as a whole employed but 427,008 wage earners, or 4.7 per cent of the total number. It is, however, the seventh group in amount of horsepower used.

Special reports have been prepared on chemicals and allied products, patent and proprietary medicines and compounds, petroleum refining, and soap, and will be found in Volume X.

Stone, clay, and glass products (Table 41).—Nearly all the establishments included in this group derived their principal materials from the earth in the form of stone, clay, or sand, and the grouping is based upon the similarity of the source of materials rather than upon the similarity of the character and use of the finished product.

Some of the industries in this group are closely related to quarrying, such as the production of gypsum, slate, graphite, whetstones, oilstones, and millstones. The operations of most of the establishments are, primarily, those of quarrying, and the manufacturing processes are only an incidental or minor part of the work of preparing the products for sale. For such establishments the data are omitted from the general statistics for manufacturing, but establishments which

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perform similar manufacturing operations on materials bought from the original producers are covered by the report on manufactures. Thus it will be seen that the statistics presented for manufactures do not represent the entire output of the products named.

Table 41 shows the number of establishments, average number of wage earners, capital, wages, cost of materials, value of products, value added by manufacture, and primary horsepower for the different industries included in this group as reported for the census of 1919. The industries are divided into three classes: (1) Those in which stone is the principal material; (2) those in which clay is the principal material; and (3) the glass industry and those industries using glass as their principal material.

Special statistics on clay products and on glass will be found in Volume X, while reports on the production of stone, gypsum, and phosphate rock, compiled in connection with the Census of Mines and Quarries, will be found in Volume XI.

Metals and metal products, other than iron and steel (Table 42).—This group covers industries of the same general type as those included in the group "iron and steel and their products," the difference being that the basic materials are other metals. As in the case of the iron and steel group, there is no sharp distinction between certain industries in this group and those in other groups, particularly those in miscellaneous industries.

The principal basic metals of the industries in this group are copper, lead, zinc, tin, gold, and silver. Some of the industries included extract these metals from ores, or refine them or alloy them, while others use the metals in the manufacture of highly elaborated commodities. It should be noted that these basic metals are used to a very large extent in industries assigned to other groups. In the various kinds of machinery, the manufacture of which is included in the iron and steel group, other metals are frequently used.

There is much duplication in the value of products for the group as a whole. In the table the industries are divided into (1) those producing metals and alloys, (2) those using metals and alloys in the manufacture of articles for consumption, and (3) those performing certain partial processes of manufacture.

Special statistics for brass, bronze, and copper products; smelting and refining; and needles, pins, and hooks and eyes will be found in Volume X.

Tobacco manufactures (Table 43).—The statistics for the manufacture of tobacco are shown separately for two groups of establishments, namely, those that reported chewing and smoking tobacco, and snuff as the principal product, and those engaged primarily in the manufacture of cigars and cigarettes.

The value of products of this group increased from \$490,165,222 in 1914 to \$1,012,933,213 in 1919, or 106.7 per cent.

The products of tobacco manufacture are subject to internal revenue taxes, which are included in the value as reported to the census.

In order to make certain that all the taxes may be levied and collected, the Bureau of Internal Revenue requires that all manufacturing establishments be registered and licensed. Their report shows that, at the close of 1919, the total number of factories engaged in the manufacture of cigars, cigarettes, and tobacco and snuff was 13,591, of which 11,483 manufactured cigars, 237 cigarettes, and 1,871 tobacco and snuff. These numbers exceed those reported by the Bureau of the Census because: (1) For internal revenue purposes the same firm or establishment may be registered a number of times, i. e., as a manufacturer of cigars, as a manufacturer of tobacco, and as a manufacturer of cigarettes; while for census purposes such an establishment would make only one report and would be classified under the product of chief value. (2) A separate register is required by the Bureau of Internal Revenue for each plant or factory, though operated under the same ownership, while for the census the same report may be made for a number of factories counted as a single establishment. (3) Every dealer in scrap tobacco is required to register in the Internal Revenue Bureau, not as a dealer, but as a manufacturer of tobacco; and reports of these establishments, of course, are not collected for census purposes. (4) The growers of Perique tobacco are required by the Internal Revenue Bureau to register as manufacturers of tobacco but are not considered as manufacturers by the Bureau of the Census. (5) All manufactures registered for taxation did not have a product valued at \$500 or over during 1919 and, therefore, did not report to the Census Bureau.

The Bureau of Internal Revenue published data concerning the quantity of several products manufactured, and in 1919 the entire output was approximately 68,000,000,000 cigarettes, 7,800,000,000 cigars, and 429,000,000 pounds of tobacco and snuff. This was for the fiscal year ending June 30, 1919.

Vehicles for land transportation (Table 44).—This group of industries includes the manufacture of all kinds of vehicles for transportation on land, such as carriages, wagons, automobiles, motorcycles, bicycles, railway cars, sleds, baby carriages, and wheelbarrows. Work done in small repair shops and in railroad repair shops is not included. The manufacture of locomotives is also omitted from this group.

There is an intimate relation between the group of industries classed as "vehicles for land transportation" and the group of "railroad repair shops." However,

inasmuch as some of the work of railroad repair shops is not connected with the rolling stock, and as the method of valuing the products of such shops is different from that in most other industries, it was considered advisable to class steam and electric railroad repair shops as a separate group. The manufacture of locomotives is assigned to "iron and steel and their products" group.

This group ranked sixth in value of products for the country as a whole, eighth in number of wage earners employed, and tenth in horsepower used.

Special reports covering all the industries in this group, except "carriges and sleds, children's," and "wheelbarrows" will be found in Volume X.

Railroad repair shops (Table 45).—This group includes only two industries which are designated "cars and general shop construction and repairs by steam-railroad companies" and "cars and general shop construction and repairs by electric-railroad companies." Briefly, they may be called steam-railroad repair shops and electric-railroad repair shops, respectively.

As a rule, steam and electric railroad companies operate one or more repair shops for the purpose of maintaining the rolling stock in proper condition. Incident to their repair work, however, such shops often manufacture complete cars and locomotives. While most work of repair shops is on the rolling stock, they also do shopwork in connection with the construction and repair of bridges and other fixed property. The products are not ordinarily assigned a selling or contract value, and the amount reported to the Census is usually the cost of production.

A special report will be found in Volume X showing the classes of work done in the repair shops.

Miscellaneous industries (Table 46).—This group includes all industries not presented in the 13 groups preceding. Some of them could not be properly classed in any of the other groups on account of the varied character of the materials used; others on account of the peculiar nature or use of the products. Some, however, resemble rather closely industries included under other groups, especially the groups "iron and steel and their products" and "metals and metal products, other than iron and steel." Such resemblance is particularly marked in the case of the following industries of the miscellaneous group: "Electrical machinery, apparatus, and supplies"; "agricultural implements"; "fire extinguishers, chemical"; "instruments, professional and scientific"; and "soda-water apparatus." It often happens that articles which constitute the chief products of these industries are also made in considerable quantities by establishments classified under the two groups above mentioned. There is also a considerable overlapping of products within the miscellaneous group itself.

The miscellaneous group ranked fourth in the value of products, third in the number of wage earners employed in the group, and fourth in the use of horsepower.

Special reports on aircraft; agricultural implements; buttons; electrical machinery; ice, musical instruments; rubber tires, tubes, and rubber goods; and shipbuilding will be found in Volume X.

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TABLE 32.—SUMMARY FOR 14 GENERAL GROUPS OF INDUSTRIES: 1919, 1914, 1909, 1904, AND 1899.

Group No.	Group.	Census year.	Number of establishments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
	All Industries.....	1919	290,105	9,006,372	\$44,466,593,771	\$10,533,400,340	\$37,376,380,283	\$69,418,078,773	\$25,041,688,490	29,504,782
		1914	276,791	7,036,247	22,780,979,937	4,078,332,433	14,308,088,831	24,246,434,724	8,378,345,893	22,437,072
		1909	268,401	6,615,046	18,428,269,708	3,427,037,884	12,142,790,878	20,072,051,780	8,529,200,992	18,675,376
		1904	216,180	5,405,383	12,075,580,874	2,610,444,953	8,500,207,760	14,703,902,563	6,293,894,763	13,487,707
		1899	207,514	4,712,763	8,075,255,496	2,008,301,119	6,575,851,401	11,406,926,701	4,881,075,210	10,097,693
1	Food and kindred products.....	1919	61,312	684,672	4,615,149,885	722,539,843	10,111,546,824	12,438,890,851	2,327,344,027	2,571,157
		1914	59,317	490,234	2,174,386,205	278,009,375	3,823,511,980	4,816,709,604	988,197,675	1,994,983
		1909	55,364	411,575	1,606,754,345	208,603,203	3,187,803,080	3,937,617,801	749,814,811	1,725,085
		1904	45,857	354,046	1,139,372,085	164,510,041	2,300,120,760	2,845,555,772	630,455,012	1,402,567
		1899	41,247	301,568	909,395,543	125,190,612	1,782,862,800	2,189,203,442	416,340,033	1,182,902
2	Textiles and their products.....	1919	28,552	1,011,309	6,000,161,183	1,482,326,820	5,382,070,303	9,216,102,814	3,834,023,511	3,274,090
		1914	23,463	1,507,374	2,832,279,203	676,459,736	2,015,501,050	3,447,997,219	1,432,495,209	2,752,054
		1909	22,057	1,445,720	2,507,124,804	605,243,129	1,763,287,475	3,080,944,186	1,323,676,711	2,289,316
		1904	17,844	1,163,497	1,758,306,330	422,570,250	1,200,405,488	2,163,892,154	908,486,608	1,757,553
		1899	17,926	1,028,706	1,353,012,264	343,923,166	900,842,395	1,640,733,505	730,891,110	1,404,170
3	Iron and steel and their products...	1919	20,120	1,585,712	8,711,843,201	2,193,203,301	4,815,885,004	9,403,634,265	4,587,740,261	8,082,602
		1914	17,710	1,061,058	4,281,997,816	723,162,595	1,702,312,126	3,223,142,200	1,400,830,134	5,537,842
		1909	17,293	1,026,553	3,578,601,715	635,322,501	1,709,042,862	3,164,471,535	1,364,528,763	4,561,235
		1904	14,431	888,634	2,351,051,000	488,568,000	1,100,703,183	2,199,775,910	1,008,082,727	3,326,702
		1899	14,082	745,235	1,549,317,828	387,580,641	1,000,950,040	1,819,477,558	818,527,500	2,188,504
4	Lumber and its remanufactures....	1919	30,055	839,008	2,580,046,750	847,031,570	1,359,908,507	3,070,072,813	1,710,074,246	3,417,941
		1914	42,030	838,520	1,723,454,204	440,308,223	702,331,252	1,599,711,856	837,300,604	3,185,801
		1909	48,539	911,503	1,570,649,441	424,750,399	717,832,741	1,588,274,056	870,411,204	3,260,298
		1904	32,501	734,136	1,009,049,506	335,045,440	517,500,837	1,210,748,602	702,247,705	2,218,260
		1899	34,954	671,696	728,307,000	253,170,000	480,030,185	1,007,531,824	526,601,030	2,113,856
5	Leather and its finished products...	1919	6,397	849,302	1,522,502,458	303,453,419	1,713,807,336	2,610,230,727	806,423,391	389,180
		1914	6,758	307,000	743,347,171	169,357,580	753,135,354	1,104,594,557	351,459,203	317,887
		1909	5,728	309,706	650,231,312	165,110,878	609,874,518	992,713,323	322,838,804	281,117
		1904	5,318	264,459	451,706,131	120,833,174	480,220,706	724,391,050	244,170,344	203,020
		1899	5,626	248,626	334,733,718	101,503,370	396,033,180	582,047,900	185,414,711	169,833
6	Paper and printing.....	1919	36,403	500,875	2,382,400,111	564,500,017	1,306,717,703	3,012,583,990	1,705,800,107	2,348,900
		1914	37,106	452,000	1,433,176,595	296,491,824	580,717,205	1,456,040,880	875,320,084	2,051,984
		1909	34,828	416,990	1,133,017,766	242,062,243	451,288,634	1,170,285,247	728,040,013	1,674,001
		1904	30,803	361,640	803,062,460	186,422,106	309,012,305	859,814,263	560,801,958	1,307,781
		1899	26,627	298,744	569,400,425	140,754,185	214,665,648	607,907,231	393,341,088	913,446
7	Liquors and beverages.....	1919	6,354	55,442	781,571,615	66,130,716	222,776,314	603,895,215	381,118,901	415,361
		1914	7,562	88,152	1,015,714,498	63,123,819	246,189,012	722,709,978	525,890,966	525,769
		1909	7,347	77,827	874,107,603	53,501,779	186,127,887	674,311,051	488,183,184	446,450
		1904	6,379	68,338	669,639,000	45,143,885	139,849,038	501,253,855	301,405,817	347,723
		1899	5,740	55,120	516,160,244	33,217,604	93,816,032	382,898,381	289,038,849	254,615
8	Chemicals and allied products....	1919	12,224	427,008	5,617,738,265	493,744,382	8,747,074,888	5,610,209,073	1,862,024,100	2,043,526
		1914	12,374	209,569	8,034,208,965	167,494,367	1,259,340,263	2,001,034,881	712,288,028	1,467,831
		1909	12,060	267,261	2,167,424,898	120,003,274	831,044,053	1,526,598,576	505,554,523	1,026,676
		1904	9,826	227,326	1,688,328,000	102,388,000	632,018,838	1,075,510,406	441,600,508	729,627
		1899	8,028	196,538	1,163,815,794	77,650,018	451,450,110	761,601,003	310,234,303	460,700
9	Stone, clay, and glass products....	1919	12,520	268,650	1,202,211,500	328,559,462	408,570,822	1,085,528,926	676,958,104	1,569,719
		1914	14,747	334,612	867,330,074	205,410,894	238,734,726	614,161,579	875,427,163	1,400,976
		1909	10,168	342,527	867,750,719	180,356,482	183,701,550	581,730,831	347,045,281	1,240,908
		1904	10,773	285,340	563,785,000	148,458,000	123,006,011	391,147,449	268,080,538	775,718
		1899	11,524	231,710	335,351,320	102,840,099	85,137,414	270,050,143	185,512,729	510,013
10	Metals and metals products, other than iron and steel.	1919	10,607	339,409	1,706,689,418	394,927,827	1,010,034,500	2,760,923,508	850,259,002	988,688
		1914	10,023	262,154	1,013,031,054	166,894,054	1,023,353,388	1,417,042,907	393,039,521	575,025
		1909	8,783	249,607	867,400,998	146,793,608	892,005,747	1,240,409,831	348,344,084	463,136
		1904	5,880	108,531	571,901,706	110,208,073	633,132,809	805,074,081	202,841,812	200,416
		1899	5,041	101,403	372,003,407	81,974,050	472,514,295	690,703,060	218,459,055	213,660
11	Tobacco manufactures.....	1919	10,201	167,097	604,830,572	123,088,084	483,567,754	1,012,933,213	520,385,450	43,307
		1914	13,051	178,872	303,840,252	77,886,100	207,132,584	400,165,222	283,031,638	34,087
		1909	15,822	166,810	605,000,484	69,354,594	177,185,621	416,895,104	238,809,483	28,514
		1904	16,827	169,406	323,983,000	62,030,000	128,085,808	331,111,181	205,026,573	24,004
		1899	14,950	132,626	111,517,318	63,231,652	153,253,973	277,485,366	124,231,393	22,298
12	Vehicles for land transportation....	1919	21,152	405,939	2,423,230,470	630,475,462	2,498,225,514	4,058,011,515	1,560,686,001	880,496
		1914	9,009	243,076	803,405,818	107,077,133	580,070,103	1,034,497,001	447,824,808	454,021
		1909	6,502	202,710	521,466,520	121,047,230	308,636,675	561,733,289	255,226,614	327,239
		1904	6,058	136,625	281,847,438	72,659,383	177,640,767	320,623,822	142,983,055	180,001
		1899	7,338	133,003	203,873,304	63,231,652	153,253,973	277,485,366	124,231,393	148,266
13	Railroad repair shops.....	1919	2,308	515,709	776,844,315	726,690,466	547,828,604	1,354,446,004	806,617,400	648,345
		1914	2,011	385,002	417,706,110	263,149,943	261,438,181	552,617,700	291,170,609	478,983
		1909	1,686	304,502	277,210,183	195,830,305	214,581,311	437,583,288	222,081,977	320,185
		1904	1,220	247,922	159,792,082	149,166,134	156,668,161	323,212,210	168,044,049	171,127
		1899	1,400	180,620	130,255,212	100,411,322	113,800,097	227,484,409	113,675,372	101,530
14	Miscellaneous industries.....	1919	21,781	1,227,111	5,295,376,953	1,537,110,071	2,867,666,960	6,180,255,709	3,312,588,740	2,831,252
		1914	18,725	585,755	2,022,410,095	367,527,210	812,693,710	1,716,032,621	903,338,911	1,668,020
		1909	16,255	482,200	1,471,055,840	261,089,163	661,498,724	1,333,687,684	672,168,060	1,032,238
		1904	12,057	408,477	985,766,146	201,802,858	445,802,341	936,882,208	490,980,867	739,042
		1899	12,123	326,242	648,393,059	149,002,354	330,214,758	669,128,746	338,913,988	424,023

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TABLE 38.—FOOD AND KINDRED PRODUCTS: 1919.

INDUSTRY.	Number of estab- lish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	61,312	684,672	\$4,615,149,885	\$722,539,843	\$10,111,546,824	\$12,438,890,851	\$2,327,344,027	2,571,157
Animal products.....	10,830	217,268	1,606,050,512	206,910,823	4,911,460,060	5,573,255,972	601,786,803	580,520
Butter.....	3,738	17,641	162,302,108	18,852,720	514,345,739	583,103,011	68,817,272	95,190
Cheese.....	3,530	3,907	29,022,734	4,895,091	120,425,265	143,465,704	14,030,430	24,500
Condensed milk.....	401	13,675	120,052,820	14,277,056	282,595,292	339,508,774	60,911,482	49,181
Butter, reworking.....	5	47	602,902	60,432	2,005,760	2,229,035	223,266	343
Oleomargarine and other butter substitutes.....	42	2,851	24,071,947	3,184,118	60,042,792	79,815,580	13,772,788	0,435
Slaughtering and meat packing.....	1,304	160,996	1,170,483,643	200,480,203	3,782,926,533	4,240,290,614	403,361,081	359,212
Slaughtering.....	604	6,556	45,630,110	8,830,840	212,344,204	243,001,209	30,717,005	28,536
Meat packing.....	142	6,366	32,111,780	7,580,724	74,493,032	82,840,368	18,340,736	11,061
Slaughtering and meat packing.....	558	148,074	1,098,732,744	103,008,090	3,490,091,097	3,910,389,037	414,297,340	319,505
Lard, not made in slaughtering and meat-packing establish- ments.....	6	13	40,537	12,154	175,317	210,000	44,343	40
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	196	2,140	8,875,942	2,045,043	30,015,817	41,705,070	5,080,202	4,016
Sausage, not made in slaughtering and meat-packing es- tablishments.....	633	3,471	13,777,265	4,670,118	43,040,356	50,610,092	12,000,736	12,713
Sausage.....	547	2,653	10,255,744	3,564,100	37,128,034	47,500,080	10,372,052	11,079
Sausage casings.....	86	818	3,521,521	1,114,049	6,812,322	9,100,400	2,207,084	1,034
Canning and preserving, fish.....	410	11,248	63,049,038	9,030,089	52,410,051	77,284,412	24,573,461	24,805
Canning and preserving, oysters.....	65	1,180	2,071,870	403,030	1,682,638	2,070,011	1,303,173	1,025
Vegetable products.....	50,982	467,404	3,009,090,373	455,620,020	5,200,077,155	6,886,634,870	1,665,557,724	1,000,837
Canning and preserving, fruits and vegetables.....	3,082	60,805	223,602,234	43,502,537	205,628,425	402,242,072	130,614,447	132,422
Canned vegetables.....	1,089	32,558	134,442,080	10,708,284	101,836,478	102,007,099	60,261,221	55,352
Canned fruits.....	446	21,735	68,006,010	18,503,011	80,200,075	150,474,213	61,174,238	26,214
Dried fruits.....	629	6,053	19,300,168	4,703,700	72,952,712	87,282,343	14,290,031	9,447
Dried vegetables.....	18	519	1,043,070	407,473	1,589,380	2,418,717	879,367	1,409
Pickles, preserves, and sauces.....	723	10,621	88,703,065	13,346,407	93,037,433	145,784,530	52,747,097	22,500
Preserves.....	105	7,039	35,041,090	5,500,800	45,637,205	55,122,667	19,585,872	7,715
Pickles and sauces.....	628	0,582	52,762,580	7,770,577	47,590,188	80,001,863	33,101,725	14,785
Chocolate and cocoa products.....	48	0,083	60,074,737	0,270,077	101,764,406	130,268,290	37,503,830	33,440
Coffee and spice, roasting and grinding.....	704	10,540	127,747,536	9,201,242	243,800,108	304,791,077	60,802,680	29,750
Coffee.....	760	9,335	120,738,605	8,170,078	234,405,774	201,663,030	57,265,180	26,855
Spice.....	25	1,205	7,008,870	1,031,104	9,493,334	13,127,747	3,034,413	2,895
Confectionery and ice cream.....	6,624	95,648	317,043,023	76,150,800	308,800,170	337,200,188	268,300,098	179,801
Confectionery.....	3,149	70,493	210,034,528	54,401,057	252,433,001	447,720,103	195,202,412	77,197
Ice cream.....	3,475	10,155	97,400,307	21,008,809	110,376,470	189,483,068	73,107,586	102,094
Chewing gum.....	62	3,190	23,703,313	2,070,803	25,202,312	51,240,150	20,037,844	0,178
Cordials and flavoring syrups.....	149	1,308	11,673,732	1,207,281	30,998,028	40,800,718	16,808,090	3,177
Flavoring extracts.....	453	2,188	13,501,837	1,045,285	19,418,176	30,116,032	10,608,756	3,376
Flour-mill and gristmill products.....	10,708	46,481	801,624,507	50,888,383	1,700,180,087	2,052,484,985	253,253,308	870,405
Bread and other bakery products.....	25,065	141,502	600,205,770	158,237,050	718,230,411	1,151,800,318	438,656,007	105,950
Biscuits and crackers.....	176	34,341	112,248,722	20,005,705	103,134,410	204,020,665	100,889,165	29,273
Bakery products, other than biscuit and crackers.....	24,910	107,251	307,017,057	132,171,264	610,105,001	047,875,763	337,770,762	136,077
Food preparations, not elsewhere specified.....	1,007	30,305	245,282,087	20,302,200	404,597,187	631,508,150	137,000,093	150,230
Breadstuff preparations, such as cereals and table foods.....	105	7,034	60,007,120	5,508,870	117,838,248	159,223,465	43,385,217	47,372
Lard compounds and other substitutes.....	27	2,300	30,264,472	2,422,741	110,855,429	121,249,287	10,303,838	10,005
Macaroni, vermicelli, and noodles.....	567	4,543	24,452,008	4,108,009	25,109,051	37,057,198	11,947,247	16,700
Meat products, not elsewhere specified.....	80	2,480	14,832,922	2,138,105	25,282,606	33,875,061	8,602,495	3,741
Peanut butter.....	56	531	1,958,000	338,023	4,430,436	5,860,700	1,411,270	1,172
Sweetening syrups, other than cane.....	256	2,188	22,197,874	1,840,419	37,079,830	50,480,585	13,350,755	8,656
All other preparations for human consumption.....	616	0,170	38,308,438	5,480,387	52,423,641	81,116,299	28,692,058	10,040
Prepared feed for animals and fowls.....	294	4,411	44,180,557	4,481,050	121,508,050	142,705,600	21,227,513	40,526
Glucose and starch.....	56	7,705	58,182,682	11,002,483	130,328,848	180,250,260	55,927,412	52,846
Glucose.....	9	5,000	35,104,327	7,930,087	95,810,087	134,548,100	38,037,472	34,640
Starch.....	47	2,736	23,078,355	4,031,520	34,718,211	51,708,151	10,080,940	18,200
Peanuts, grading, sorting, cleaning, and shelling.....	78	2,460	10,303,512	1,328,712	28,474,052	33,354,377	4,880,325	7,351
Rice, cleaning and polishing.....	86	2,113	23,702,600	1,032,100	76,639,816	90,038,412	13,404,506	27,382
Sugar, beet.....	86	11,781	224,584,670	15,008,118	87,029,144	140,155,892	62,126,748	127,394
Sugar, cane.....	202	6,101	55,117,127	4,009,309	44,143,410	57,741,320	13,897,904	101,801
Sugar, refining, not including beet sugar.....	20	18,202	103,540,825	22,710,464	602,143,981	730,980,700	68,842,726	52,541
Vinegar and cider.....	720	1,981	20,514,500	2,047,400	15,558,525	24,722,010	9,104,085	17,943
Vinegar.....	199	1,365	14,304,065	1,301,004	11,217,205	17,480,319	6,203,114	7,759
Cider.....	521	610	6,119,625	655,475	4,341,320	7,242,291	2,900,071	10,184

MANUFACTURES.

TABLE 34.—TEXTILES AND THEIR PRODUCTS: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	28,552	1,611,308	\$6,098,161,183	\$1,482,326,820	\$5,382,079,303	\$9,218,102,814	\$3,834,023,511	3,274,090
Textile fabrics and materials.....	7,143	1,052,327	4,441,370,160	910,047,629	3,258,527,390	5,481,883,549	2,223,856,159	3,037,732
Cotton goods.....	1,288	430,900	1,853,099,816	355,474,937	1,277,785,597	2,125,272,193	847,488,590	1,840,201
Cotton small wares.....	104	9,398	29,559,474	7,182,218	24,030,951	40,896,835	16,856,884	14,203
Cotton lace.....	44	6,490	32,200,210	6,080,557	13,076,994	29,396,853	16,320,850	0,078
Knit goods.....	2,050	172,672	516,157,991	125,199,820	427,095,560	713,139,689	286,044,120	151,601
Silk goods.....	1,300	120,782	532,732,103	108,226,330	388,469,022	688,469,523	300,000,501	170,825
Finished products.....	1,040	97,842	447,900,397	88,571,734	333,435,945	590,237,885	256,801,890	115,700
Throwing and winding.....	329	20,440	84,765,766	10,654,506	55,033,077	98,231,088	43,198,611	61,125
Woolen and worsted goods.....	852	168,787	831,694,748	108,108,681	665,504,683	1,065,434,072	399,839,389	468,480
Woolen goods.....	580	62,957	273,973,670	66,595,820	217,986,333	364,890,590	140,931,257	172,947
Worsted goods.....	292	108,830	557,721,078	101,612,555	447,629,360	700,637,482	252,908,132	205,533
Felt goods.....	49	5,230	35,024,373	4,873,400	22,780,775	39,229,540	16,448,765	10,411
Hats, wool-felt.....	40	1,448	3,831,876	1,387,777	3,699,822	6,730,652	3,030,830	2,696
Carpets and rugs, other than rag.....	75	29,933	119,190,401	24,210,121	67,118,030	123,253,828	50,135,789	38,170
Wool shoddy.....	78	2,506	16,090,722	2,653,109	16,076,315	23,254,398	7,178,083	16,094
Wool pulling.....	24	705	8,853,437	909,788	12,809,692	17,361,231	4,551,639	2,102
Wool scouring.....	33	2,177	10,040,900	2,890,463	7,228,350	13,679,634	6,451,234	9,790
Cordage and twine.....	120	17,922	100,248,987	14,700,061	89,705,232	133,360,476	43,661,104	68,043
Jute goods.....	26	7,138	41,335,845	6,430,286	17,708,834	34,442,008	16,733,804	32,135
Linen goods.....	10	1,890	7,527,590	1,036,642	4,190,187	9,998,040	2,807,850	0,069
Flax and hemp, dressed.....	20	420	2,783,958	447,373	1,708,670	2,309,114	660,444	1,920
Mats and matting, from cocoa fiber, grass, and coir, etc.....	12	1,073	7,190,675	810,607	2,102,580	4,890,855	2,758,275	1,070
Hats, fur-felt.....	170	18,510	58,127,770	10,642,531	40,158,019	82,745,308	42,687,280	20,380
Haircloth.....	18	425	2,999,150	425,149	2,259,142	3,315,113	1,055,971	1,153
Dyeing and finishing textiles, exclusive of that done in textile mills.....	628	55,085	220,948,480	57,189,078	174,742,815	323,967,683	140,224,808	160,430
Cloth, sponging and refinishing.....	67	1,206	1,405,056	1,604,601	178,101	3,600,858	3,512,097	952
Articles from textile fabrics for personal wear.....	18,778	507,700	1,345,019,469	526,955,340	1,745,930,912	3,198,147,094	1,452,216,182	133,000
Clothing, men's.....	5,258	175,270	554,147,279	107,821,990	605,752,170	1,102,985,633	557,233,457	40,577
Regular factories.....	2,905	133,872	542,203,058	142,774,594	596,017,010	1,082,472,043	483,455,033	33,873
Men's and youths'.....	1,708	92,804	403,200,021	108,284,289	428,403,930	802,065,005	373,001,666	20,014
Boys'.....	379	10,220	49,008,707	11,450,650	58,857,575	105,174,820	40,317,245	1,857
All other.....	758	30,782	89,484,330	23,033,655	111,695,490	175,231,018	63,636,122	12,002
Contract work.....	2,353	41,308	11,854,221	6,047,399	7,755,160	80,513,590	73,778,424	6,704
Men's and youths'.....	2,005	31,224	9,415,557	4,312,643	5,682,056	67,695,680	61,913,033	5,148
Boys'.....	283	5,014	1,341,740	7,388,145	6,588,860	10,509,020	9,850,167	1,086
All other.....	98	1,500	1,000,924	1,376,008	304,241	2,408,875	2,014,034	471
Clothing, men's, buttonholes.....	107	484	237,066	514,600	123,286	1,000,040	900,783	189
Shirts.....	896	20,603	102,012,047	25,833,855	127,087,745	205,327,133	78,230,388	14,944
Furnishing goods, men's.....	487	18,944	53,014,066	13,562,806	64,743,012	107,834,095	43,000,783	5,065
Neckwear.....	322	8,778	25,876,706	5,457,329	39,508,093	62,811,239	23,333,146	1,272
All other.....	165	12,166	27,187,810	7,105,037	25,236,810	44,903,450	19,757,037	4,393
Collars and cuffs, men's.....	39	11,103	30,140,935	7,430,729	19,484,005	47,564,940	28,130,854	5,286
Gloves and mittens, cloth.....	182	8,986	17,687,953	4,855,246	16,092,462	28,220,113	12,127,051	3,364
Suspenders, garters, and elastic woven goods.....	198	10,857	39,070,870	9,270,130	36,369,218	60,774,652	24,405,434	9,028
Hats and caps, other than felt, straw, and wool.....	709	7,539	18,515,472	9,488,804	24,176,514	44,630,881	20,303,347	1,087
Clothing, women's.....	7,711	105,640	390,526,517	105,295,834	680,406,844	1,208,543,128	528,130,284	32,022
Regular factories.....	6,516	139,697	377,474,063	162,973,102	669,071,033	1,140,312,346	477,241,313	20,884
Suits, skirts, and cloaks.....	1,520	41,963	137,634,097	67,250,360	281,268,842	402,081,024	210,812,682	7,558
Shirt waists and dresses, except house dresses.....	1,873	52,170	124,494,156	58,440,997	221,065,830	379,895,026	158,230,087	8,303
Underwear and petticoats.....	637	19,225	50,087,710	15,074,749	81,050,620	125,662,282	44,611,062	4,899
Wrappers and house dresses.....	238	6,353	18,065,087	5,058,963	24,090,153	39,538,694	15,448,541	1,082
All other.....	948	19,380	46,613,613	16,543,024	60,096,070	109,134,420	48,138,341	4,092
Contract work.....	2,195	20,552	13,051,854	32,322,732	11,335,811	62,230,782	50,894,071	5,788
Suits, skirts, and cloaks.....	974	8,817	5,847,676	13,809,126	5,443,515	27,428,595	21,086,081	2,090
Shirt waists and dresses, except house dresses.....	888	12,745	5,997,280	14,025,785	4,886,080	27,450,658	22,570,578	2,521
Underwear and petticoats.....	76	1,344	461,890	831,898	403,110	1,714,437	1,251,327	302
Wrappers and house dresses.....	47	501	178,484	447,927	65,154	873,218	808,064	151
All other.....	210	3,055	1,000,574	3,207,096	477,952	4,757,873	4,279,021	724
Corsets.....	188	18,415	43,516,486	13,082,242	38,815,803	75,541,950	38,726,150	7,156
Corsets.....	142	16,297	38,733,498	11,525,565	34,551,453	60,238,860	31,087,407	6,687
Corset waists and brassieres.....	46	2,118	4,782,988	1,556,286	4,264,350	9,303,099	5,038,740	489
Millinery and lace goods, not elsewhere specified.....	3,005	50,850	95,638,769	49,848,084	132,028,877	255,724,022	122,700,045	12,482
Embroideries.....	1,294	14,283	20,572,232	14,387,906	22,116,754	50,818,652	34,701,898	3,328
Trimmed hats and hat frames.....	829	22,602	87,183,508	23,980,052	69,491,018	122,870,788	53,430,708	4,843
Dress and cloak trimmings, braids, and fringes.....	156	1,997	5,243,479	1,852,682	7,244,262	12,674,139	5,928,887	839
Women's neckwear.....	160	3,395	6,880,065	2,766,164	10,988,350	20,584,206	9,418,856	523
All other.....	576	8,613	19,709,486	6,802,220	23,068,503	42,977,139	10,908,036	2,949
Other textile fabrics.....	2,631	51,282	309,762,554	45,323,851	377,621,001	538,072,171	158,451,170	103,358
Awnings, tents, and sails.....	895	6,028	28,727,621	5,858,523	26,961,140	45,600,390	18,720,250	4,589
Bags, other than paper.....	216	10,750	79,042,143	7,756,582	176,017,500	214,050,474	38,041,914	9,082
Belting and hose, woven, other than rubber.....	41	2,479	17,348,974	2,202,183	11,042,011	19,176,277	7,534,206	5,338
Woven belting.....	24	1,769	8,843,717	1,532,405	6,834,438	11,124,065	4,280,027	3,066
All other, including woven hose.....	17	710	8,505,257	669,383	4,807,573	8,052,212	3,244,639	2,272
Clothing, horse.....	28	706	8,704,741	551,278	3,455,680	6,020,612	2,564,926	1,577
Flags and banners.....	79	1,065	3,430,484	705,242	3,286,165	5,346,089	2,050,024	778
Regalia, and society badges and emblems.....	115	2,223	6,257,750	1,800,883	4,287,055	9,395,470	5,108,415	1,333
Hat and cap materials.....	133	3,009	19,861,835	3,132,571	16,645,919	26,521,212	9,877,293	4,927
Hammocks.....	6	64	153,465	40,241	169,492	255,755	80,203	92
Nets and seines.....	19	859	4,155,531	561,282	3,648,206	5,114,414	1,466,208	950

FOURTEEN GROUPS OF INDUSTRIES.

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TABLE 34.—TEXTILES AND THEIR PRODUCTS: 1919—Continued.

INDUSTRY.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Other textile fabrics—Continued.								
House-furnishing goods, not elsewhere specified.....	407	7,853	\$32,626,867	\$6,443,915	\$30,703,002	\$60,211,804	\$20,417,842	12,249
Comforts and quilts.....	74	1,002	7,902,065	1,205,140	7,781,658	11,002,902	4,181,304	3,067
Feather pillows and beds.....	44	680	4,085,043	502,070	5,047,003	7,384,052	2,337,349	2,093
Cotton batting, not made in cotton mills.....	9	218	880,815	160,340	871,002	1,285,001	418,699	905
Mops and dustors.....	75	528	1,423,270	380,910	2,050,039	3,277,571	1,221,532	403
All other.....	205	4,016	18,235,474	4,048,834	24,039,700	36,300,058	12,263,958	4,281
Carpets, rug.....	339	2,016	2,863,400	1,550,501	2,037,874	5,597,057	3,560,183	2,074
Oilcloth and linoleum, floor.....	21	5,414	40,803,688	6,518,080	30,368,703	52,073,208	22,304,503	23,509
Oilcloth, enameled.....	11	1,130	10,782,057	1,200,877	11,140,723	15,430,875	4,206,152	4,501
Upholstering materials, not elsewhere specified.....	103	4,810	32,556,604	4,687,807	25,448,893	39,889,711	14,440,818	10,826
Imitation leather and leatheroid.....	17	2,011	21,029,890	2,163,171	18,132,204	26,281,908	8,149,762	4,052
Excelsthor.....	95	1,242	4,085,100	1,144,503	2,521,067	4,013,450	2,301,483	10,510
Curled hair.....	15	708	3,164,142	736,886	2,201,480	3,712,602	1,421,122	1,864
All other.....	30	780	3,077,357	642,748	2,503,242	4,981,093	2,478,451	2,494
Waste.....	92	2,080	10,472,471	2,100,840	22,144,087	29,700,402	7,550,315	11,301
Cotton.....	61	1,051	11,035,372	1,538,032	15,467,302	21,054,420	5,597,007	8,860
All other.....	31	735	8,437,050	508,208	6,086,725	8,645,073	1,055,248	2,522
Oakum.....	0	124	978,003	118,032	575,525	983,423	407,808	533

TABLE 35.—IRON AND STEEL AND THEIR PRODUCTS: 1919.

INDUSTRY.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Total.....	20,120	1,585,712	\$8,711,843,201	\$2,183,203,301	\$4,815,885,004	\$9,403,034,265	\$4,587,749,261	8,082,692
Crude iron and steel and rolled products.....	725	410,092	3,601,290,087	714,978,312	2,329,060,630	3,661,952,918	1,331,982,086	5,439,436
Iron and steel, blast furnaces.....	195	41,000	802,410,541	73,760,395	621,286,490	704,408,558	173,180,062	1,581,432
Ferroalloys.....	30	2,344	42,304,720	3,571,487	28,008,570	38,583,084	10,485,408	37,087
Iron and steel, steel works and rolling mills.....	500	375,088	2,050,518,417	637,037,430	1,080,575,768	2,828,002,370	1,148,326,618	3,820,017
Other iron and steel products.....	19,395	1,160,020	5,210,543,514	1,478,224,089	2,485,924,174	5,741,681,347	3,265,757,173	2,643,256
Iron and steel, not made in steel works or rolling mills (product also largely made by rolling-mill establish-ments):								
Bolts, nuts, washers, and rivets.....	144	17,067	75,715,018	20,073,831	44,277,117	80,743,882	45,400,765	49,050
Cast-iron pipe.....	59	12,626	42,863,028	14,705,308	25,386,552	50,225,101	21,845,540	28,741
Doors and shutters.....	67	2,077	10,840,235	2,720,774	4,077,034	10,877,001	0,298,007	4,013
Forgings.....	241	28,301	135,246,144	30,772,535	82,024,492	173,772,101	91,727,612	101,961
Horseshoes.....	20	741	4,580,563	830,210	1,630,010	2,307,001	1,830,382	3,874
Nails and spikes, cut and wrought, including wire nails.....	65	3,365	13,215,785	3,397,582	8,874,747	17,583,344	8,708,597	8,974
Cut nails and spikes.....	6	511	2,049,511	488,577	807,040	2,058,136	1,240,006	1,502
Wire nails and spikes.....	28	814	3,800,235	900,804	3,620,230	6,135,100	2,508,921	2,018
Forged nails and spikes.....	6	350	1,539,729	345,080	719,573	1,558,404	388,321	1,177
All other, including tacks.....	25	1,071	5,817,310	1,653,242	3,721,605	7,838,554	4,111,550	3,377
Springs, steel, car and carriage.....	112	8,081	45,172,282	11,157,874	28,019,180	51,470,535	23,460,355	16,585
Carriage and wagon.....	18	678	2,100,344	708,818	1,757,815	3,070,170	1,921,861	1,770
Railway.....	6	506	7,387,952	743,020	3,207,445	5,793,468	2,490,018	1,057
Automobile.....	65	5,270	20,045,400	6,575,230	18,532,785	31,558,570	13,026,785	8,028
Machinery and other.....	28	2,558	9,020,580	3,130,707	4,431,635	10,448,381	6,016,606	4,230
Steel barrels, drums, and tanks, portable.....	33	3,322	18,218,312	4,435,444	15,151,210	24,012,050	9,701,440	10,554
Structural ironwork.....	1,140	43,902	210,470,095	30,920,132	108,800,715	204,062,410	120,161,704	165,347
Tempering and welding.....	520	1,835	7,020,048	2,742,028	3,575,881	10,095,672	7,410,701	8,804
Tempering.....	35	528	3,715,844	708,171	1,778,282	4,507,322	2,789,040	5,529
Welding.....	485	1,307	3,011,104	1,074,757	1,707,500	6,428,350	4,630,751	3,275
Wrought pipe.....	50	10,426	72,709,472	14,910,676	51,155,653	81,860,115	30,713,462	23,925
Cash registers and calculating machines.....	65	16,544	82,708,208	22,537,265	10,880,998	\$3,539,025	72,649,027	14,650
Adding machines.....	20	8,040	45,800,503	11,824,064	5,002,705	17,024,471	41,660,766	7,057
Cash registers and parts.....	19	6,414	27,832,003	9,012,357	4,003,380	30,022,883	20,920,503	6,849
All other.....	20	1,490	9,150,037	1,700,244	1,223,018	4,973,071	3,749,758	744
Engines, steam, gas, and water.....	370	77,617	454,124,733	105,435,455	217,550,771	404,774,735	247,223,064	100,021
Firearms.....	20	11,287	51,017,732	13,333,405	7,613,784	30,181,370	22,687,580	26,167
Foundry and machine-shop products.....	10,984	482,707	2,104,080,088	622,671,120	948,060,381	2,280,250,850	1,341,181,478	1,054,840
Boiler shops.....	525	23,000	124,097,072	31,858,330	72,211,152	143,606,768	71,424,012	73,813
Foundries.....	1,340	104,816	310,180,070	141,070,782	175,210,161	421,049,258	245,833,107	226,533
Machine shops.....	8,110	270,444	1,312,768,602	313,378,601	550,745,340	1,354,836,253	798,080,913	558,364
Machine shop and foundry combined.....	950	84,507	357,333,304	106,254,507	143,990,144	309,699,590	223,333,446	196,130
Gas machines and gas and water meters.....	105	5,580	24,080,008	5,095,877	10,647,402	26,267,074	15,610,672	8,601
Gas meters and water meters.....	34	3,819	15,303,711	4,003,846	6,039,064	16,444,030	10,401,660	4,370
Gas machines.....	40	1,333	7,180,884	1,611,397	3,711,180	7,520,780	3,815,501	3,496
All other.....	22	437	2,487,308	480,034	897,140	2,200,264	1,309,115	735
Hardware.....	548	42,505	133,025,019	45,220,050	58,533,709	154,524,883	95,991,119	67,569
Locks.....	70	4,718	15,419,231	4,475,487	4,340,152	14,374,476	10,034,324	4,390
Builders' hardware.....	134	15,507	51,409,165	17,314,477	19,083,640	53,942,790	34,560,141	30,181
Piano and organ hardware.....	16	508	1,701,658	618,268	760,441	2,013,900	1,263,465	667
Vehicle hardware.....	53	6,097	16,794,773	7,577,363	12,350,890	27,501,844	15,150,948	9,963
All other.....	260	14,777	48,420,702	15,314,342	22,008,031	56,091,872	34,088,241	22,388

MANUFACTURES.

TABLE 35.—IRON AND STEEL AND THEIR PRODUCTS: 1919—Continued.

INDUSTRY.	Number of estab- lish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Other iron and steel products—Continued								
Hardware, saddlery.....	37	8,675	\$10,991,945	\$4,043,700	\$4,281,589	\$14,136,556	\$0,854,907	7,161
Locomotives, not made by railroad companies.....	17	28,715	133,275,823	38,708,041	72,375,950	156,260,730	83,893,780	97,187
Machine tools.....	403	53,111	231,030,843	66,178,009	50,034,308	212,400,158	153,365,850	100,433
Ordnance and accessories.....	26	11,328	85,309,163	15,556,642	26,592,658	69,405,026	42,902,070	40,652
Pens, steel.....	4	807	1,311,150	679,405	393,383	1,079,541	1,281,153	305
Plumbers' supplies, not elsewhere specified.....	214	13,692	60,080,932	15,982,617	27,797,007	80,055,265	32,258,258	20,702
Pumps, steam and other power.....	112	10,688	54,839,975	13,763,526	23,907,880	53,745,502	29,837,013	22,155
Steam pumps.....	62	8,471	43,192,780	11,199,538	18,148,796	41,008,458	22,010,002	17,090
Other power.....	50	2,217	11,047,215	2,663,988	5,760,038	12,677,044	6,917,051	4,456
Pumps, not including power pumps.....	127	5,384	26,060,646	5,968,121	12,161,892	31,650,438	10,494,546	10,346
Safes and vaults.....	38	2,940	13,023,284	3,233,318	6,608,680	15,293,027	8,085,247	5,342
Safes.....	21	1,930	8,255,413	2,035,762	3,421,040	6,518,603	6,006,714	2,770
Vaults.....	17	1,010	4,767,871	1,194,556	3,186,731	5,775,264	2,588,533	2,572
Scales and balances.....	79	5,432	22,024,843	6,533,978	6,993,682	20,041,038	13,047,356	7,481
Screws, machine.....	143	10,282	55,569,817	12,104,780	14,988,888	40,018,460	25,031,502	23,510
Screws, wood.....	11	4,880	14,032,800	4,861,013	5,551,503	15,450,682	9,908,010	7,764
Sewing machines and attachments.....	40	16,059	71,303,020	10,333,378	16,384,134	43,604,910	27,310,785	21,370
Sewing machines.....	29	14,499	70,203,040	18,810,100	16,003,890	42,578,356	26,574,400	20,020
Attachments.....	11	560	1,070,880	523,182	380,238	1,116,503	730,325	450
Steam fittings and steam and hot-water heating apparatus.....	261	36,086	133,097,404	45,742,525	72,016,303	160,285,488	88,200,005	87,504
Radiators and cast-iron heating boilers.....	75	10,844	43,525,901	14,280,631	22,061,124	45,013,178	22,052,054	21,305
All other.....	186	26,342	89,571,508	31,461,894	49,055,269	115,272,810	65,317,041	46,109
Stoves and hot-air furnaces.....	412	32,868	122,813,373	41,321,133	54,803,310	145,717,903	90,014,047	40,470
Stoves and ranges.....	280	27,188	94,530,978	33,905,051	40,850,250	111,727,270	71,377,020	30,000
Hot-air furnaces.....	126	5,405	27,308,016	7,116,836	13,14,707	31,798,040	18,383,042	9,417
Fireless cookers.....	6	277	904,770	298,346	1,038,350	2,192,044	1,153,085	402
Stoves, gas and oil.....	176	10,585	45,731,300	12,578,830	21,471,070	55,702,029	31,320,050	11,295
Textile machinery and parts.....	432	31,823	120,707,903	38,026,720	49,030,028	122,089,264	70,452,036	41,907
Tin plate and terneplate.....	24	3,122	31,315,066	5,756,417	73,422,040	97,401,720	23,082,071	18,007
Tools and cutlery:								
Cutlery and edge tools.....	304	19,869	68,071,247	20,048,405	19,477,437	66,029,570	47,152,133	38,058
Table cutlery.....	24	2,115	4,889,542	2,114,878	1,639,808	4,882,006	3,323,008	5,175
Razors, plain and safety.....	33	4,213	29,028,075	3,042,711	7,430,781	21,551,337	17,123,550	1,000
Axes and hatchets.....	25	2,743	10,306,906	2,819,028	3,684,013	9,691,334	6,010,321	12,414
Scissors, shears, and clippers.....	52	3,460	8,938,737	3,655,814	2,216,486	9,065,708	7,740,222	1,931
Pocketknives.....	40	4,564	9,155,131	4,466,097	2,499,710	9,091,928	7,102,212	5,404
Augers, bits, chisels, and planes.....	27	1,180	2,821,828	1,206,184	825,803	3,154,407	2,328,004	3,256
All other.....	103	1,608	3,830,430	1,700,183	1,380,880	4,805,950	3,425,120	3,010
Files.....	50	5,767	15,602,801	6,192,444	4,227,880	17,616,563	13,288,683	11,005
Saws.....	112	6,510	26,665,366	6,280,807	11,792,224	31,460,557	19,068,333	16,003
Tools, not elsewhere specified:	1,125	35,585	134,731,947	43,830,069	45,706,967	144,201,008	68,404,701	68,381
Shovels, spades, scoops, and hoes.....	42	2,538	13,830,778	2,615,842	5,874,320	14,401,001	8,580,702	8,086
Carpenters' tools, not elsewhere specified.....	34	2,271	8,251,804	2,507,988	2,530,598	7,904,006	5,373,408	4,851
Machinists' tools.....	502	17,880	68,204,160	23,076,340	19,471,110	70,846,300	51,375,280	27,411
All other.....	547	12,806	44,446,139	15,035,800	17,920,630	50,900,115	33,000,185	27,134
Typewriters and supplies.....	88	15,069	47,701,300	17,000,432	18,143,602	52,737,001	36,593,000	13,066
Typewriters.....	37	14,878	42,521,460	16,263,876	11,012,671	43,312,904	32,300,303	11,781
Supplies.....	51	701	5,269,834	755,556	5,131,091	9,424,697	4,203,000	1,286
Vault lights and ventilators.....	41	816	903,070	424,197	810,570	2,155,864	1,345,285	279
Wire (not including wire departments of rolling mills).....	68	19,741	102,016,777	20,289,067	102,813,591	162,161,238	50,337,045	110,451
Wirework, not elsewhere specified (not including wire-drawing mills).....	558	15,224	65,200,309	15,505,922	50,751,970	90,519,246	39,705,175	29,074
Wire rope and cable.....	15	2,401	15,265,073	2,003,704	13,059,281	20,969,380	7,010,000	7,190
Woven-wire fencing.....	53	1,501	8,441,778	1,726,901	13,209,818	17,788,705	4,678,887	3,633
All other, including barbed wire.....	400	11,202	41,583,458	11,175,297	24,484,971	51,701,160	27,306,180	18,242

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TABLE 36.—LUMBER AND ITS REMANUFACTURES: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	39,055	830,008	\$2,580,045,756	\$847,031,570	\$1,359,998,567	\$3,070,072,813	\$1,710,074,246	3,417,941
Lumber and timber products.....	20,119	480,945	1,367,001,571	489,419,001	470,960,488	1,387,471,413	916,610,925	2,358,037
Lumber, planing-mill products, not including planing mills connected with sawmills.....	5,308	80,056	361,848,079	91,076,526	299,265,652	500,438,258	201,172,606	419,671
Window and door screens and weather strips.....	214	2,179	9,749,337	2,046,768	4,897,389	10,932,857	6,035,468	7,530
Window and door screens.....	176	2,061	8,680,080	1,025,129	4,302,954	9,592,122	5,289,168	7,348
Weather strips.....	38	118	1,069,257	111,039	594,435	1,340,735	746,300	182
Boxes, wooden packing, except cigar boxes.....	1,140	42,445	108,032,908	36,811,185	102,946,235	177,818,454	74,872,219	144,048
Boxes, cigar.....	180	5,218	6,611,044	3,512,236	6,836,540	18,110,213	6,773,673	5,059
Cooperage.....	1,090	13,219	48,853,805	14,082,224	58,520,655	88,236,061	29,715,406	30,608
Hogsheads and barrels.....	905	11,438	48,780,584	12,344,092	52,041,140	77,988,489	25,045,320	26,866
All other.....	104	1,781	6,073,221	1,738,132	6,470,515	10,240,502	3,770,077	3,832
Wooden goods, not elsewhere specified.....	245	6,443	21,110,717	5,661,074	10,173,353	21,703,261	11,619,908	25,906
Wood, turned and carved.....	722	10,640	23,542,348	9,307,242	16,809,215	34,847,139	18,237,924	39,058
Latks.....	94	2,010	8,177,500	3,415,950	3,932,662	12,470,539	8,537,877	5,842
Furniture.....	3,154	138,331	423,902,405	141,116,316	201,523,395	571,356,333	300,882,938	262,703
Wood, other than rattan and willow.....	2,273	105,057	310,600,365	103,289,001	100,790,053	418,869,670	228,079,617	208,188
Rattan and willow.....	110	3,892	9,818,705	4,091,585	7,232,300	15,298,618	8,063,313	3,815
Metal.....	157	12,827	50,792,030	15,912,054	33,241,865	69,700,851	36,554,988	19,581
Store and office fixtures.....	605	10,055	40,690,735	17,820,070	30,259,	67,304,194	37,135,017	31,124
Refrigerators.....	122	6,786	23,000,628	5,800,351	11,948,972	20,048,808	14,099,886	13,232
Show cases.....	110	1,857	5,377,884	1,906,600	4,032,123	8,204,308	4,262,185	4,423
Billiard tables, bowling alleys, and accessories.....	49	2,101	7,040,900	2,425,353	0,100,852	15,733,047	9,632,195	5,322
Looking-glass and picture frames.....	429	4,708	10,079,709	4,775,227	7,227,232	18,384,562	11,157,330	4,689
Sewing-machine cases.....	5	4,171	17,331,069	5,101,120	8,018,270	14,243,468	6,225,198	10,056
Baskets, and rattan and willow ware.....	375	4,633	7,195,394	3,369,088	4,904,241	11,921,167	6,910,026	6,310
Coffins, burial cases, and undertakers' goods.....	351	11,890	48,298,063	11,450,567	31,595,287	64,577,133	32,781,546	22,845
Rules, Ivory and wood.....	13	108	414,080	142,290	133,934	480,543	346,009	299
Cork, cutting.....	62	3,645	14,670,221	3,387,114	9,134,950	10,282,239	7,147,280	8,683
Matches.....	21	3,720	29,477,488	3,059,537	0,852,970	18,495,876	11,842,906	12,047
Pulp goods.....	40	3,041	17,100,849	3,608,314	11,381,972	23,008,403	12,226,481	12,273
Wall board.....	10	587	6,443,076	791,211	4,633,807	7,691,330	3,007,433	1,688
All other, including moulded articles.....	30	2,464	11,747,173	2,817,103	0,698,075	15,617,073	9,218,698	10,605
Charcoal, not including production in the lumber and wood distillation industries.....	41	200	518,762	156,072	200,322	589,418	329,096	182
Wood preserving.....	73	3,078	28,138,079	4,342,277	28,241,858	33,230,313	9,997,455	16,209

¹ Exclusive of statistics for establishments engaged in the manufacture of "wood carpet," which, in order to avoid disclosing the operations of individual establishments, are included in the total for "All other industries."

TABLE 37.—LEATHER AND ITS FINISHED PRODUCTS: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	6,307	349,382	\$1,522,502,458	\$363,453,419	\$1,713,807,336	\$2,610,230,727	\$886,423,391	380,130
Leather, tanned, curried, and finished.....	680	72,470	671,341,553	88,205,473	646,521,527	928,591,701	282,070,174	218,238
Finished products of leather.....	5,717	276,886	851,160,005	275,247,046	1,067,285,800	1,681,039,026	614,353,217	170,802
Belting, leather.....	172	2,705	27,533,890	3,260,439	28,166,711	40,480,654	12,823,043	7,030
Boots and shoes, not including rubber boots and shoes. Regular factory product.....	1,440	211,040	580,025,075	210,734,610	715,260,315	1,155,041,436	430,772,121	120,632
Contract work.....	1,337	208,854	570,004,280	208,787,505	710,007,817	1,140,137,272	435,520,455	110,594
Stitching.....	17	208	125,981	200,094	43,085	392,215	348,230	102
Crimping.....	10	351	121,839	273,082	83,100	457,807	374,707	108
Buttonholes.....	3	3	4,503	8,560	188	10,658	10,470	6
Overgaiters, moccasins, and leggings.....	70	7	2,160	6,998	3,681	14,898	11,215	7
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories.....	262	9,715	61,747,458	9,124,778	133,887,276	161,203,310	27,316,034	9,003
Boot and shoe findings, exclusive of those produced in boot and shoe factories.....	427	8,041	28,988,410	8,187,196	40,428,347	62,825,408	22,397,061	10,682
Gloves and mittens, leather.....	365	10,086	20,870,277	8,150,784	20,288,120	46,940,511	20,654,382	8,288
Pocketbooks.....	139	2,905	5,427,000	3,061,903	7,567,155	14,649,659	5,992,504	481
Saddlery and harness.....	1,823	10,411	40,368,288	10,840,066	52,442,907	83,718,010	31,270,103	8,212
Trunks and valises.....	507	11,470	34,258,084	12,463,767	33,222,432	63,932,266	30,709,834	7,703
Leather goods, not elsewhere specified.....	503	8,045	33,341,468	9,415,403	30,035,537	52,052,772	22,017,235	3,902

MANUFACTURES.

TABLE 38.—PAPER AND PRINTING: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	36,403	509,875	\$2,382,400,111	\$564,509,917	\$1,306,717,793	\$3,012,583,990	\$1,705,866,197	2,348,099
Paper and wood pulp.....	729	113,759	905,794,583	135,690,642	467,482,637	788,058,377	320,576,740	1,881,014
Paper exclusively.....	497	51,043	363,332,919	58,324,653	237,402,880	374,302,494	130,059,614	561,698
Pulp exclusively.....	61	5,807	42,081,327	6,524,555	22,086,708	35,584,802	13,198,094	143,371
Paper and pulp.....	171	50,909	500,330,337	70,841,434	207,393,049	377,812,081	170,410,032	1,145,045
Manufactures of paper.....	1,919	90,497	269,167,170	73,525,732	240,589,961	440,866,307	200,276,346	110,257
Bags, paper, exclusive of those made in paper mills.....	75	4,108	24,584,881	3,662,830	33,350,481	47,203,990	13,013,500	4,420
Boxes, paper and other, not elsewhere specified.....	1,201	55,862	181,300,783	43,325,554	101,135,202	206,419,343	105,284,051	54,955
Shipping containers, corrugated and fiber.....	162	11,586	43,236,901	10,128,512	35,741,081	67,585,181	28,844,103	10,732
Set-up paper boxes.....	805	34,189	52,184,477	24,081,287	39,006,724	93,382,060	53,775,342	20,088
Cartons.....	127	6,729	25,712,904	6,305,476	16,544,361	33,330,163	16,785,802	11,239
Paper cans and tubes.....	20	1,052	6,308,291	1,453,466	3,410,823	6,615,940	3,205,120	2,125
All other.....	27	1,708	3,889,120	1,356,813	2,832,303	5,505,981	2,073,678	1,771
Labels and tags.....	119	5,227	14,118,702	4,549,902	11,274,767	24,243,992	12,900,225	4,061
Paper patterns.....	19	403	1,084,325	374,479	316,890	1,523,352	1,211,402	68
Card cutting and designing.....	75	1,148	2,297,070	958,877	2,208,380	3,323,349	3,024,060	743
Cardboard, not made in paper mills.....	16	1,426	6,403,032	1,337,177	4,953,915	9,138,415	4,184,500	3,270
Envelopes.....	106	8,129	24,754,818	6,049,980	21,964,743	30,046,077	17,800,334	7,187
Paper goods, not elsewhere specified.....	308	14,135	64,442,509	12,060,924	65,205,484	107,284,759	41,080,275	35,538
Playing cards.....	8	1,832	6,149,513	1,559,638	3,030,430	10,063,733	7,033,294	2,377
All other.....	300	12,303	58,203,056	11,107,280	62,265,045	90,021,026	34,355,981	33,181
Printing and publishing.....	32,476	287,278	1,180,505,247	331,519,423	571,510,277	1,699,780,229	1,188,278,952	362,123
Printing and publishing, book and job.....	13,080	123,005	405,554,084	141,476,243	211,067,174	597,003,228	380,590,054	131,061
Job printing.....	11,561	113,901	312,005,588	131,316,152	190,145,145	487,074,733	296,929,588	123,786
Book publishing and printing.....	142	5,653	29,550,925	5,611,804	10,322,818	29,750,008	19,433,878	6,075
Book publishing without printing.....	687	713	64,258,490	606,600	9,015,249	71,074,342	62,350,093	280
Linotype work and typesetting.....	309	2,738	9,730,026	3,042,081	980,962	8,854,467	7,873,405	1,214
Printing and publishing, music.....	100	890	8,000,122	926,988	2,123,781	14,502,177	12,468,300	934
Printing and publishing,...	27	815	2,806,830	880,305	1,086,050	3,814,050	2,728,000	573
Publishing without printing.....	133	84	5,139,292	70,623	1,030,831	10,777,227	9,740,396	61
Printing and publishing, newspapers and periodicals.....	17,302	120,381	614,045,344	144,348,173	300,385,187	624,152,878	623,767,001	194,361
Printing and publishing.....	1,346	49,053	285,005,477	60,045,755	108,299,932	441,418,613	273,128,651	85,008
Printing, publishing, and job printing.....	12,420	68,389	200,810,289	75,055,390	102,446,618	315,829,308	213,382,730	108,881
Publishing without printing.....	3,506	2,339	61,023,578	3,247,088	29,648,607	106,964,807	137,250,280	2,472
Bookbinding and blank-book making.....	1,113	20,301	43,041,207	18,058,821	23,235,171	66,020,677	42,785,506	11,123
Engraving, steel and copper plate, including plate printing.....	421	7,014	19,040,200	7,908,100	6,980,747	24,209,164	17,228,407	5,420
Lithographing.....	831	16,618	60,817,380	18,201,080	27,718,217	73,151,115	45,432,898	18,624
Industries relating to printing and publishing.....	1,231	14,079	37,011,534	19,891,724	13,982,415	60,821,176	46,838,761	17,447
Engraving and diesinking.....	478	1,878	4,695,712	2,891,504	1,027,323	7,350,002	5,423,279	1,760
Engraving, wood.....	55	235	338,908	407,215	219,208	1,153,618	634,360	67
Photo-engraving, not done in printing establishments.....	422	6,709	12,442,784	10,423,541	5,038,382	20,380,380	24,351,004	3,800
Stereotyping and electrotyping.....	171	3,604	7,860,376	5,002,545	4,234,470	16,019,014	11,084,635	6,613
Printing materials.....	82	723	7,245,110	780,402	1,610,718	4,918,700	3,260,081	1,357
Type founding.....	23	810	4,428,044	807,517	943,246	2,080,757	1,146,512	850
Wall paper, not made in paper mills.....	48	4,262	19,921,577	3,882,396	13,152,503	23,047,901	9,895,398	8,158

TABLE 39.—LIQUORS AND BEVERAGES: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	6,354	55,442	\$781,571,615	\$66,139,716	\$222,776,314	\$603,895,215	\$381,118,901	415,381
Liquors, distilled.....	84	1,380	45,018,110	1,710,600	19,055,522	31,854,085	12,198,603	10,404
Alcohol, including pure, neutral, or cologne spirits.....	28	1,208	43,098,323	1,506,839	18,550,766	30,133,408	11,582,052	10,298
Rum, whisky, and other distilled liquors.....	0	117	2,510,787	149,830	1,104,700	1,720,077	615,911	0,198
Liquors, malt.....	729	34,250	583,429,947	45,170,432	94,792,050	379,905,085	285,112,420	324,431
Liquors, vinous.....	342	1,011	14,885,481	1,013,898	8,115,841	17,454,194	9,338,353	5,180
Malt.....	65	1,352	34,829,495	1,845,210	31,612,707	38,340,414	7,727,707	27,483
Mineral and soda waters.....	5,194	17,440	102,888,682	16,393,477	18,599,585	135,341,437	66,741,852	41,764
Mineral and carbonated waters.....	5,025	16,199	85,805,164	15,072,293	16,829,621	122,504,632	61,765,011	34,069
Fruit beverages.....	84	368	13,026,812	901,401	5,925,525	9,464,785	3,580,290	4,071
All other.....	85	373	4,006,606	410,783	1,844,430	3,282,020	1,437,581	2,724

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TABLE 40.—CHEMICALS AND ALLIED PRODUCTS: 1919.

INDUSTRY.	Number of estab- lish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	12,224	427,008	\$5,617,738,265	\$493,744,382	\$3,747,874,883	\$5,610,299,073	\$1,882,624,190	2,043,595
Baking powders and yeast.....	88	3,331	43,486,136	3,584,534	20,035,429	46,230,312	19,504,888	20,071
Baking powders.....	67	1,623	29,080,892	1,466,335	14,870,901	25,950,822	11,070,921	2,431
Yeast.....	21	1,708	14,406,244	2,088,100	11,765,528	20,270,490	8,823,902	17,840
Blacking, stains, and dressings.....	220	2,455	13,080,901	2,109,103	14,041,840	26,284,072	11,242,232	2,490
Bluing.....	57	360	1,227,610	285,003	1,542,054	2,731,277	1,188,323	423
Bone, carbon, and lamp black.....	35	675	9,700,187	808,332	2,848,059	6,186,204	3,338,145	1,857
Bone black and lampblack.....	6	253	1,012,781	315,690	895,333	2,251,071	1,366,038	1,145
Carbon black.....	29	422	8,177,386	402,642	1,062,726	3,034,233	1,081,507	712
Candles.....	19	541	4,033,428	487,581	2,178,528	3,350,806	1,172,278	507
Chemicals and acids.....	820	70,210	710,640,251	104,100,905	206,155,374	605,011,510	309,456,136	475,919
Chemicals.....	598	55,680	484,488,412	72,848,824	210,301,270	438,055,809	222,357,590	376,940
Coal-tar products.....	188	15,083	174,901,895	23,402,140	63,936,734	135,482,161	71,435,427	63,842
Sulphuric, nitric, and mixed acids.....	39	4,981	51,100,004	7,016,531	16,887,361	31,470,480	15,613,119	30,087
Cleansing and polishing preparations.....	409	1,065	12,070,414	1,808,447	12,023,518	20,703,109	13,779,591	4,520
Cleansing preparations.....	281	892	6,354,207	854,824	6,807,201	13,207,674	6,490,373	2,918
Metal polish.....	81	242	1,479,080	230,350	1,803,900	3,185,024	1,321,724	487
All other polishing preparations.....	137	821	5,140,027	804,204	4,262,417	10,210,011	6,907,494	1,115
Coke, not including gas-house coke.....	278	20,319	305,240,022	42,299,200	224,200,674	310,515,838	92,240,164	224,870
Beehive ovens.....	222	13,766	137,900,875	10,238,770	78,166,805	112,023,466	33,807,671	30,701
By-product ovens.....	56	15,553	227,342,747	26,000,522	146,110,770	204,492,372	58,381,503	185,118
Drugs, etc.....	3,591	30,764	203,285,036	31,419,891	181,061,308	403,306,830	221,645,432	47,296
Drug grinding.....	31	1,347	14,001,135	1,520,137	11,560,450	16,037,698	5,381,218	0,725
Druggists' preparations.....	524	15,568	102,120,257	12,101,925	55,139,475	114,503,459	59,455,011	12,608
Patent medicines and compounds.....	2,467	17,442	143,498,011	13,743,513	88,810,417	212,162,255	123,392,838	26,677
Patent and proprietary medicines.....	1,724	13,788	114,152,017	10,713,842	67,301,802	109,486,104	102,121,242	16,707
Patent and proprietary compounds, not elsewhere specified.....	743	8,656	20,310,504	3,034,971	21,467,556	42,076,151	21,218,596	8,880
Perfumery and cosmetics.....	500	5,405	32,060,033	3,083,016	20,147,020	50,613,391	33,400,305	2,190
Dyestuffs and extracts—natural.....	144	4,342	38,080,058	4,734,614	34,602,608	53,744,283	19,161,685	34,320
Explosives.....	118	9,249	133,247,684	12,504,982	45,911,640	92,474,813	46,468,764	51,635
Fertilizers.....	600	26,296	311,633,260	25,383,132	186,010,622	281,143,687	96,103,005	125,939
Gas, illuminating and heating.....	1,022	42,008	1,405,050,205	62,758,028	157,550,882	320,278,008	171,728,026	288,407
Glue, not elsewhere specified.....	92	4,204	27,237,123	4,770,724	16,279,905	32,134,067	12,854,162	16,070
Glue.....	52	3,055	20,530,337	3,150,721	14,593,448	23,403,079	8,899,031	14,264
All other products.....	10	1,208	0,700,780	1,020,003	4,080,457	8,070,088	3,084,531	2,725
Greases.....	535	7,110	42,002,730	8,524,303	52,503,842	70,133,978	23,570,136	27,702
Grease and tallow, not including lubricating greases.....	482	6,047	37,930,094	7,054,378	47,756,341	67,265,206	19,508,805	26,584
Soap stock.....	233	2,071	13,750,788	3,518,556	0,572,201	17,390,000	7,817,718	10,517
Tallow.....	196	2,803	18,007,080	3,472,574	32,405,136	41,905,207	9,437,131	10,860
All other.....	53	813	4,701,017	963,148	5,715,014	7,069,030	2,254,016	4,207
Lubricating greases.....	68	472	5,212,036	500,026	4,807,601	8,885,772	4,063,271	2,178
Ink, printing.....	90	1,988	18,702,523	2,574,920	14,001,115	26,244,470	11,583,355	10,353
Ink, writing.....	61	702	4,803,486	500,168	3,920,340	6,433,941	3,113,595	610
Oils.....	1,095	35,190	375,206,365	30,109,820	718,913,835	864,000,955	145,117,120	340,165
Cottonseed and cake.....	711	26,766	203,457,371	20,015,123	405,192,204	581,244,798	80,052,504	290,636
Essential.....	78	321	6,370,910	301,213	3,003,417	5,008,403	1,794,030	1,833
Linseed.....	26	2,173	73,954,065	3,052,209	100,577,538	120,038,100	20,000,502	17,621
Not elsewhere specified ¹	280	5,930	91,475,000	0,141,145	110,270,586	156,470,654	37,200,068	30,075
Vegetable.....	68	2,802	38,810,696	2,440,123	04,731,646	80,030,012	15,007,406	15,250
Animal.....	46	891	12,604,143	1,000,074	0,432,210	12,005,184	3,602,974	9,605
Mineral.....	30	240	4,697,240	227,171	5,605,156	7,515,001	1,010,835	1,673
Composite.....	127	1,007	35,360,024	2,407,177	38,601,674	55,320,437	16,827,763	3,057
Paints and varnishes.....	830	21,507	230,775,836	24,118,189	217,112,872	340,346,803	123,234,431	85,199
Palms.....	601	17,485	177,314,816	10,550,371	165,001,116	256,714,370	91,110,263	73,702
Varnishes.....	220	4,022	62,401,021	4,507,788	51,608,256	83,032,421	32,124,168	11,497
Petroleum, refinings.....	320	58,880	1,170,278,180	89,749,637	1,247,908,355	1,032,532,700	384,024,411	288,006
Salt.....	86	6,495	47,725,231	7,353,420	10,027,701	37,513,521	21,486,030	43,187
Soap.....	348	20,436	212,416,866	21,225,063	238,518,858	310,740,115	74,221,257	33,710
Turpentine and rosin.....	1,191	28,037	33,695,980	10,072,881	13,929,888	53,051,294	39,121,406	2,303
Wood distillation.....	115	4,040	42,334,503	5,300,080	20,050,051	32,545,314	12,485,603	16,038

¹ Includes "oil, castor," and "oil, lard, not made in slaughtering and meat-packing establishments," to avoid disclosing individual operations.

MANUFACTURES.

TABLE 41.—STONE, CLAY, AND GLASS PRODUCTS: 1919.

INDUSTRY.	Number of estab- lish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	12,529	298,659	\$1,262,211,569	\$328,559,462	\$408,570,822	\$1,085,528,920	\$676,958,104	1,569,710
Industries using stone as a material.....	7,891	89,723	522,390,372	104,287,566	181,883,848	432,118,382	250,234,534	783,142
Artificial stone products.....	2,785	8,378	20,646,743	9,310,800	13,013,317	33,604,332	10,751,015	22,221
Marble and stone work.....	4,240	32,768	112,568,683	38,354,822	40,524,341	129,104,653	70,040,312	170,132
Monuments and tombstones.....	3,250	13,307	51,949,879	17,812,451	31,275,562	73,381,210	42,085,657	51,328
Other marble and stone work, except slate.....	861	15,855	50,463,102	17,057,188	16,243,701	49,260,002	33,010,241	101,220
Roofing slate.....	71	2,558	5,021,099	2,145,233	1,301,615	4,420,847	3,119,282	10,678
Other slate products.....	52	1,048	2,133,553	939,952	703,403	2,122,585	1,410,182	6,006
Lime.....	476	11,405	45,844,532	10,860,196	14,206,925	33,970,403	10,073,538	51,735
Cement.....	123	25,524	271,269,259	32,194,920	70,500,800	175,264,910	65,755,110	488,808
Wall plaster and composition flooring.....	161	5,123	25,307,049	5,853,617	11,821,465	28,874,657	15,053,102	32,356
Emery and other abrasive wheels.....	60	5,601	34,802,512	5,878,748	12,228,187	30,940,270	18,721,083	12,963
Grindstones.....	23	674	2,045,460	508,031	243,853	1,360,423	1,125,570	3,031
Millstones.....	12	38	58,905	43,732	25,500	66,896	41,387	132
Hones and whetstones.....	11	212	847,340	203,001	320,451	703,778	478,327	1,164
Industries using clay as a material.....	3,465	122,337	406,730,051	127,771,300	100,050,239	342,252,368	233,202,129	569,709
Brick and tile, terra-cotta and fire-clay products.....	2,414	76,915	355,848,355	78,250,056	67,488,113	208,422,920	140,934,807	405,746
Building brick.....	1,454	35,984	166,402,033	30,728,509	27,881,794	95,160,990	67,320,100	222,688
Fire brick.....	194	13,678	60,048,068	13,222,078	13,301,252	36,183,815	22,822,508	40,303
Stove lining.....	19	361	905,420	333,054	366,080	1,094,710	728,020	1,021
Sewer pipe and drain tile.....	478	10,263	44,003,643	10,500,204	9,008,330	27,732,324	18,123,985	65,101
Terra-cotta products.....	214	11,073	56,430,447	11,048,762	8,200,113	20,081,405	20,872,292	50,098
Silica, magnesite, and bauxite bricks and shapes.....	39	4,523	28,808,031	4,602,030	7,207,804	15,863,257	8,045,453	19,338
All other.....	16	1,033	8,050,113	1,264,722	903,721	3,310,410	2,412,088	6,047
Sand-lime brick.....	32	504	2,220,769	501,854	575,402	1,063,052	1,087,050	4,358
Pottery.....	340	27,934	66,757,070	29,820,278	20,794,076	74,919,186	54,125,110	29,000
Chinaware.....	161	23,733	53,849,247	25,073,406	17,550,420	63,037,078	45,477,649	20,972
Earthen and stone ware.....	147	2,808	8,826,875	2,787,140	2,041,088	7,094,633	5,053,445	6,089
All other.....	32	1,398	4,081,848	1,359,732	1,193,559	3,887,575	2,094,010	1,449
China decorating, not including that done in potteries.....	43	244	470,153	244,211	310,785	866,782	555,977	43
Decalcomania work on china.....	0	39	110,042	31,810	63,306	149,495	80,120	7
All other.....	34	205	359,511	212,395	247,419	717,207	409,848	30
Crucibles.....	22	848	8,060,334	923,287	2,233,072	5,203,088	3,000,016	2,714
Graphite crucibles.....	6	230	2,997,527	257,110	1,049,718	2,140,236	1,100,518	608
Clay crucibles.....	10	237	4,081,174	265,401	888,187	2,127,069	1,239,782	1,001
Glass-house pots.....	0	372	990,633	400,707	209,167	1,010,483	720,310	1,105
Minerals and earths, ground or otherwise treated.....	419	14,426	60,208,617	16,309,518	10,270,251	46,067,239	29,700,088	127,074
Statuary and art goods.....	195	1,406	3,145,853	1,716,067	1,376,540	5,010,521	3,040,081	684
Glass and manufactures of glass.....	1,173	86,599	243,001,146	96,500,596	117,636,735	311,158,170	193,521,441	216,868
Glass.....	371	77,520	215,680,436	87,520,025	90,780,124	261,684,080	171,103,950	207,430
Glass, cutting, staining, and ornamenting.....	616	6,480	18,088,650	6,154,831	14,357,878	28,443,321	14,085,443	5,110
Decalcomania work on glass.....	22	409	672,824	234,610	383,101	907,600	524,580	173
All other.....	594	6,071	17,416,828	5,920,221	13,974,777	27,686,631	13,680,854	4,037
Mirrors, framed and unframed.....	186	2,509	9,322,060	2,810,140	12,408,733	20,830,775	8,332,042	4,328

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TABLE 42.—METALS AND METAL PRODUCTS, OTHER THAN IRON AND STEEL: 1910.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	10,667	330,469	\$1,790,669,418	\$394,827,827	\$1,910,034,506	\$2,760,293,568	\$850,259,002	988,688
Metals.....	1,581	120,706	934,368,073	157,867,347	1,308,470,741	1,036,320,000	320,856,168	747,926
Babbitt metal and solder.....	118	2,372	24,383,342	2,882,128	48,844,200	50,010,983	10,172,714	6,022
Babbitt metal.....	54	1,308	15,498,154	1,703,600	27,337,026	33,382,900	6,045,874	4,065
White metal.....	21	317	3,077,018	304,900	10,906,807	12,841,442	1,934,575	887
Type metal.....	7	27	218,348	25,713	446,455	624,463	178,908	21
Solder.....	36	720	4,688,022	787,826	10,164,021	12,108,188	2,013,207	1,049
Brass, bronze, and copper products.....	1,062	75,051	325,200,738	94,132,118	304,823,580	482,312,700	177,480,210	205,688
Brass and bronze.....	1,007	63,795	270,037,860	79,507,785	234,045,137	389,550,094	154,004,957	201,494
Copper.....	47	9,224	43,059,485	12,084,024	60,102,326	78,338,048	18,146,023	53,157
All other.....	38	2,032	11,002,393	2,470,400	9,030,118	14,423,748	4,737,630	11,037
Gold and silver, reducing and refining, not from the ore.....	87	644	9,757,415	848,808	49,730,073	55,483,215	5,740,237	3,279
Lead, bar, pipe, and sheet.....	32	852	9,410,730	1,060,041	13,034,120	17,174,281	3,540,161	5,637
Smelting and refining.....	102	41,787	505,498,448	58,742,552	880,431,794	1,022,335,040	132,007,846	407,400
Copper.....	34	17,345	308,080,268	25,723,371	584,410,173	651,101,591	68,691,418	321,610
Smelting only.....	21	7,910	171,826,021	12,258,730	150,056,108	180,670,898	30,015,720	173,908
Smelting and refining ¹	13	9,420	130,854,047	13,404,041	428,335,005	404,430,693	30,075,068	147,614
Lead.....	25	6,438	116,670,708	9,170,015	170,373,046	100,704,510	17,420,873	52,505
Smelting only.....	18	4,830	57,902,670	6,046,409	82,010,003	74,052,572	12,035,000	42,372
Smelting and refining ¹	7	1,590	57,084,189	2,533,140	110,450,083	121,841,947	5,385,264	10,103
Zinc.....	39	13,790	98,757,355	17,783,273	70,014,728	104,122,038	34,168,210	73,004
Pigs, bars, plates, and sheets.....	33	12,928	87,770,508	16,135,100	63,004,885	95,002,585	32,057,700	69,540
All other.....	6	808	10,080,847	1,048,178	6,409,843	8,400,353	2,080,610	7,004
Metals, not elsewhere specified ²	13	2,041	20,227,544	2,903,148	14,057,307	20,074,504	5,117,137	11,700
Not from the ore.....	81	2,167	22,150,513	3,003,140	40,075,880	50,240,088	9,570,208	7,921
Metal products.....	8,579	214,074	853,801,301	230,018,022	500,392,220	1,000,101,360	508,700,131	282,053
Aluminum manufacturers.....	83	11,402	48,400,304	13,327,300	40,271,801	75,277,948	20,000,087	30,230
Ingots, plates, and sheets.....	7	684	2,072,060	821,059	4,938,378	6,662,220	1,023,842	2,017
Ware.....	39	7,821	20,052,036	8,564,543	33,174,047	50,477,473	17,303,426	20,823
All other.....	37	2,397	17,364,700	3,951,104	11,159,436	18,238,255	7,078,819	6,840
Bells.....	10	237	1,004,743	205,110	450,140	950,950	500,807	783
Clocks.....	46	8,252	18,349,043	7,831,011	7,177,813	23,380,190	16,202,377	6,062
Watches.....	18	15,888	40,000,742	10,508,800	6,302,502	32,044,200	25,051,737	7,202
Watches.....	7	8,800	25,004,237	9,708,220	4,310,230	20,088,174	15,771,044	4,199
Watch movements.....	11	7,070	23,000,505	6,800,076	2,075,332	11,050,125	9,870,793	3,003
Watch and clock materials, except watchcases.....	27	582	1,020,028	412,820	649,521	1,341,807	702,170	252
Watch materials.....	21	485	804,614	334,801	471,241	1,119,651	648,710	181
Clock materials.....	6	97	210,014	78,010	78,290	221,746	143,460	71
Watchcases.....	33	3,000	21,700,550	4,000,727	8,205,754	10,018,773	11,413,010	4,275
Copper, tin, and sheet-iron work.....	4,790	27,040	80,044,834	33,800,823	80,898,528	100,313,045	70,416,417	24,144
Tinware, not elsewhere specified.....	301	34,380	198,386,095	34,403,390	105,170,730	233,004,000	68,793,264	30,400
Stamped and enameled ware, not elsewhere specified.....	323	34,248	132,222,004	34,851,311	65,456,652	143,053,877	78,197,225	51,441
Stamped ware.....	270	23,895	90,008,314	23,675,606	46,104,388	101,004,308	54,980,920	32,402
Enameled ware.....	35	0,196	33,304,697	9,070,172	17,105,806	37,036,584	20,440,778	14,934
Bathtubs.....	5	604	2,209,116	903,007	1,310,044	2,968,983	1,639,008	2,340
Lavatories and sinks.....	4	493	1,550,067	602,026	830,514	1,067,032	1,127,618	1,705
Gas and electric fixtures.....	341	9,705	30,872,737	9,802,380	20,258,538	42,207,953	22,000,415	9,010
Gas fixtures.....	57	2,000	9,783,400	1,006,146	5,717,297	9,495,535	3,778,238	1,700
Electric fixtures.....	187	4,320	13,544,463	4,710,042	8,708,785	20,337,975	11,020,190	4,520
Combination gas and electric fixtures.....	71	2,351	11,611,408	2,600,085	4,787,308	10,197,340	5,410,032	2,095
All other.....	26	500	2,033,317	625,607	1,046,148	2,237,103	1,101,055	620
Lamps and reflectors.....	171	8,300	20,000,041	9,202,407	18,420,033	38,008,917	10,000,884	12,708
Automobile lamps.....	35	3,104	10,320,028	4,061,477	8,227,316	10,001,530	8,434,223	7,516
All other lamps.....	122	4,861	14,704,325	4,903,002	9,607,554	20,277,020	10,550,366	4,751
Reflectors.....	14	315	1,074,088	328,018	504,103	1,150,458	655,205	441
Needles, pins, and hooks and eyes.....	92	0,204	26,324,027	8,800,781	10,227,100	20,304,995	13,077,706	8,407
Gold and silver, leaf and foil.....	87	950	1,671,557	983,600	2,655,335	4,461,508	1,808,233	408
Jewelry.....	2,054	30,871	121,070,305	35,863,718	110,450,083	203,030,230	93,485,547	10,389
Pins, gold.....	15	416	307,064	617,123	902,410	1,801,400	839,050	100
Silversmithing and silverware.....	90	6,453	34,405,322	7,350,409	13,060,020	20,120,133	10,005,204	6,040
Plated ware.....	68	9,402	34,730,823	10,913,001	17,700,536	41,034,585	23,808,040	14,252
Knives, forks, spoons, and other flatware.....	18	6,300	23,805,824	7,507,887	18,704,572	30,002,000	17,198,334	10,000
Hollow ware.....	30	2,207	6,113,101	2,611,574	2,812,978	7,713,976	4,900,098	3,035
All other.....	20	820	4,870,808	803,050	1,188,080	2,957,703	1,708,717	1,107
Tin and other foils, not elsewhere specified.....	15	1,008	11,008,430	1,750,320	13,007,000	17,020,834	4,012,844	6,991
Tin foil.....	12	1,903	11,003,158	1,750,320	13,006,826	17,012,486	4,005,600	6,990
Aluminum and other.....	3	6	5,278	3,000	1,104	8,348	7,184	1
Related industries.....	567	4,689	8,500,444	6,041,558	13,171,538	24,865,208	11,693,703	8,709
Electroplating.....	615	3,024	4,192,080	3,703,005	2,630,248	10,380,617	7,750,369	7,078
Galvanizing and other coating processes.....	62	1,005	4,310,455	2,247,053	10,632,288	14,475,682	3,943,304	1,031

¹ Includes 4 establishments engaged exclusively in refining.

² Includes 2 establishments engaged exclusively in refining.

³ Includes "smelting and refining, antimony," and "smelting and refining, tin," to avoid disclosing individual operations.

MANUFACTURES.

TABLE 43.—TOBACCO MANUFACTURES: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	10,291	157,097	\$604,838,572	\$123,988,084	\$483,567,754	\$1,012,833,213	\$529,365,459	43,397
Tobacco, chewing and smoking, and snuff.....								
Chewing.....	365	18,324	188,444,100	12,874,736	130,270,388	239,270,718	109,000,330	18,383
Smoking.....	85	8,370	50,564,469	5,740,622	52,051,801	98,985,494	44,003,088	6,700
Snuff.....	199	8,520	98,530,030	5,765,250	60,648,173	110,282,473	52,634,300	7,361
All other.....	34	1,328	28,064,549	1,080,052	10,011,200	21,127,018	11,110,718	4,088
Tobacco, cigars and cigarettes.....	47	97	870,052	88,003	1,559,214	1,904,833	345,019	704
Cigars.....	9,926	138,773	416,395,472	111,313,348	353,207,366	773,002,405	420,365,120	24,504
Cigarettes.....	9,778	114,209	220,708,832	66,418,318	168,815,218	380,306,074	201,580,856	10,851
Cigars and cigarettes.....	135	22,042	191,173,339	19,794,550	181,309,000	379,126,710	197,816,710	12,828
	13	1,832	4,513,301	1,100,480	13,173,148	31,140,711	20,907,683	825

TABLE 44.—VEHICLES FOR LAND TRANSPORTATION: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	21,162	495,039	\$2,423,238,470	\$680,475,462	\$2,498,225,514	\$4,058,911,515	\$1,560,386,001	880,496
Automobiles.....	315	210,559	1,310,461,400	312,165,870	1,578,651,574	2,387,003,287	800,251,713	287,323
Automobile bodies and parts.....	2,515	132,556	470,407,552	178,955,503	362,027,802	892,170,092	330,143,300	286,010
Automobile repairing.....	15,507	55,061	141,123,064	71,013,471	87,018,853	224,052,150	137,003,306	82,001
Carriages and wagons, including repairs.....	2,286	18,173	78,052,868	19,393,305	48,382,456	91,403,225	43,100,700	40,966
Carriages and wagons.....	1,130	15,719	71,701,095	16,498,039	44,012,172	82,013,326	37,101,184	34,066
Repair work only.....	1,156	2,454	7,251,773	2,926,356	3,450,284	9,449,890	6,000,015	0,300
Carriage and wagon materials.....	258	0,500	17,971,206	5,000,771	14,734,078	26,765,316	12,030,643	23,700
Cars, steam-railroad, not including operations of railroad companies.....	99	52,208	335,207,383	78,284,647	350,084,545	538,222,831	182,138,286	157,805
Cars, electric-railroad, not including operations of railroad companies.....	7	2,920	17,300,485	4,132,000	12,058,942	18,441,976	6,383,034	0,300
Motorcycles, bicycles, and parts.....	51	10,886	35,302,150	12,763,235	25,986,915	53,105,895	27,110,080	14,806
Carriages and sleds, children's.....	103	6,080	15,216,425	6,229,038	11,700,168	24,606,590	12,806,488	6,071
Wheelbarrows.....	11	291	1,161,067	271,442	971,006	1,070,538	708,442	705

TABLE 45.—RAILROAD REPAIR SHOPS: 1919.

INDUSTRY.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	2,368	515,700	\$776,844,315	\$728,800,468	\$547,828,694	\$1,354,446,094	\$800,017,400	648,346
Steam-railroad repair shops.....	1,744	484,437	604,286,410	687,617,312	515,803,210	1,270,235,303	763,432,183	504,515
Electric-railroad repair shops.....	624	31,272	82,557,905	39,073,154	32,025,484	75,210,701	43,185,217	53,830

FOURTEEN GROUPS OF INDUSTRIES.

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TABLE 46.—MISCELLANEOUS INDUSTRIES: 1919.

INDUSTRY.	Number of estab- lish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Total.....	21,781	1,227,111	\$6,295,376,953	\$1,537,110,071	\$2,867,006,969	\$6,180,255,709	\$3,312,588,740	2,831,253
Aeroplanes, seaplanes, airships, and parts.....	31	3,543	17,753,876	4,006,740	7,120,905	14,372,643	7,245,078	12,512
Agricultural implements.....	521	54,308	306,962,052	66,704,434	144,571,943	304,961,205	100,389,322	128,249
Ammunition.....	42	22,810	94,558,643	23,537,602	38,101,602	88,038,223	49,036,021	30,128
Artificial flowers.....	224	4,138	6,076,418	3,740,911	7,001,646	10,113,105	9,188,619	408
Artificial limbs.....	177	671	2,231,416	704,726	773,447	3,271,400	2,496,959	857
Artists' materials.....	58	926	4,003,700	805,704	2,087,220	5,507,056	2,820,430	3,200
Crayons.....	20	414	1,087,280	347,488	733,770	1,741,950	1,008,171	1,132
All other.....	38	612	2,976,510	548,276	1,983,447	3,785,700	1,812,259	2,074
Asbestos products, not including steam packing.....	46	3,654	16,404,739	3,731,074	12,947,702	23,977,557	11,029,855	9,057
Building materials.....	12	1,183	4,450,957	1,200,294	2,046,590	5,035,203	2,988,623	2,501
Textile mill products.....	16	1,093	9,450,303	1,085,001	8,072,429	15,456,243	6,785,814	5,677
All other.....	18	478	2,498,379	446,089	1,028,003	3,880,111	1,257,418	1,480
Belting and hose, rubber.....	16	5,826	45,919,508	6,073,530	18,310,401	34,210,540	15,900,139	26,299
Rubber belting.....	8	2,848	19,000,767	2,374,302	7,316,014	13,148,023	5,832,608	11,601
Rubber hose.....	7	3,458	26,018,801	3,009,237	10,901,387	21,001,017	10,087,530	14,008
Boots and shoes, rubber.....	26	32,875	131,513,436	30,882,722	50,340,880	110,017,434	60,570,554	40,400
Brooms.....	1,034	6,313	16,707,082	5,708,885	17,305,100	30,205,207	12,840,158	0,002
From broom corn.....	1,000	6,197	16,382,347	5,500,504	17,148,308	29,709,839	12,501,531	5,907
All other.....	34	110	325,835	100,321	216,801	405,428	278,627	155
Brushes.....	370	7,008	27,208,200	7,113,201	19,508,133	39,005,607	10,407,474	7,384
Toilet.....	44	1,854	5,002,115	1,560,907	3,487,494	7,930,001	4,448,507	1,316
Paint and varnish.....	44	2,150	7,000,008	2,004,081	6,912,019	11,171,342	5,238,723	1,582
All other.....	201	3,064	13,000,417	3,402,163	10,108,020	19,898,204	9,730,244	4,407
Buttons.....	557	15,577	20,977,073	13,772,590	16,746,357	41,840,459	25,005,102	16,201
Combs and hairpins, except those made from metal or rubber.....	46	2,229	3,913,266	1,809,463	3,108,818	6,666,365	3,307,547	1,000
Dairymen's, poultrymen's, and apiarists' supplies.....	214	6,437	80,005,331	7,078,433	18,520,743	37,307,448	18,870,705	11,750
Incubators and brooders.....	48	782	3,164,080	603,605	1,028,045	3,931,773	2,008,128	1,314
All other poultrymen's supplies.....	60	280	1,146,657	251,895	1,141,045	1,935,428	794,383	866
Cream separators.....	19	3,315	20,300,170	4,142,810	16,430,920	9,005,009	5,470	
All other dairymen's supplies.....	90	1,645	8,392,773	1,573,914	6,984,489	11,016,177	4,051,680	2,403
Apiarists' supplies.....	27	483	2,731,036	446,440	1,900,064	3,177,150	1,216,490	1,604
Dental goods.....	310	5,224	17,904,700	4,403,840	10,420,429	20,401,806	12,081,467	2,710
Teeth.....	52	3,134	11,447,203	2,306,714	3,870,258	10,737,500	6,897,308	1,325
All other.....	267	2,090	6,457,587	2,157,120	12,550,171	18,664,930	6,114,159	1,301
Electrical machinery, apparatus, and supplies.....	1,404	212,374	857,855,498	238,188,852	425,098,211	997,008,110	572,809,008	438,830
Enameling.....	74	604	2,083,474	790,308	949,556	2,944,763	1,005,207	1,183
Engravers' materials.....	21	174	820,168	212,171	1,484,269	2,246,122	703,853	759
Fancy articles, not elsewhere specified.....	861	13,961	32,824,988	12,207,013	32,501,073	46,054,481	31,403,408	8,082
Headwork.....	37	400	609,187	518,272	975,459	1,935,489	980,030	26
Celluloid novelties.....	66	2,941	6,002,190	2,688,656	7,439,552	13,006,140	5,596,588	2,953
Metal novelties.....	110	2,567	7,686,024	2,282,457	5,429,606	12,326,350	6,895,744	2,980
Paper novelties.....	63	1,197	2,580,058	810,070	1,704,200	4,201,038	2,496,778	600
Wood novelties.....	30	200	270,472	150,818	149,273	458,338	308,065	510
All other.....	355	6,056	16,261,069	5,750,731	10,892,023	32,128,126	15,235,203	2,014
Feathers and plumes.....	216	3,504	6,514,800	3,405,705	6,004,500	15,377,953	8,093,357	504
Fire extinguishers, chemical.....	32	777	3,770,795	751,110	2,003,410	5,653,180	2,839,764	855
Fireworks.....	57	1,224	3,546,943	904,851	2,108,150	4,820,084	2,621,828	1,005
Foundry supplies.....	7	903	7,501,631	1,032,020	5,067,236	9,054,076	4,287,440	3,238
Fuel, manufactured.....	11	171	2,908,130	221,515	1,398,394	1,132,877	587,483	5,180
Fur goods.....	1,815	13,039	80,700,026	24,140,212	105,696,005	173,137,739	67,541,134	6,327
Furs, dressed.....	141	5,075	8,967,403	7,008,288	6,338,836	20,384,569	14,016,734	6,021
Graphite, ground and refined.....	24	407	4,302,788	434,317	1,002,084	2,239,687	1,140,903	7,445
Hair work.....	108	1,084	3,580,510	1,034,030	3,826,107	6,963,033	3,133,830	119
Hand stamps.....	208	1,710	4,249,510	1,832,581	2,634,420	7,738,773	5,104,347	1,474
Hats, straw.....	148	7,302	15,560,183	6,004,933	16,910,408	32,187,361	15,270,953	3,392
Ice, manufactured.....	2,807	30,247	270,726,780	34,001,837	42,877,500	137,004,708	94,127,280	572,070
Instruments, professional and scientific.....	351	15,031	51,570,470	17,400,888	10,494,034	53,136,001	38,042,057	13,020
Medical and surgical.....	127	3,771	10,080,874	3,708,040	3,983,780	12,101,246	8,117,456	2,028
Optical.....	13	639	1,225,708	920,178	500,505	1,834,497	1,243,092	1,312
All other.....	211	11,521	36,687,807	13,072,070	14,920,340	44,200,040	29,280,000	8,080
Ivory, shell, and bone work, not including combs and hairpins.....	44	842	1,305,784	734,932	1,293,870	2,810,530	1,522,654	954
Japaning.....	30	205	401,501	200,640	221,901	549,242	311	
Jewelry and instrument cases.....	142	2,734	3,097,104	2,147,048	3,505,840	8,126,300	4,020,400	1,001
Lapidary work.....	124	1,155	10,200,027	2,837,811	10,303,001	30,051,400	10,688,456	680
Mattresses and spring beds, not elsewhere specified.....	1,041	12,637	46,212,853	12,805,351	40,208,500	83,952,000	34,744,049	23,409
Models and patterns, not including paper patterns.....	928	6,049	11,753,992	10,318,104	6,393,834	25,300,380	18,004,555	13,609
Mucilage, paste, and other adhesives, not elsewhere specified.....	127	803	7,133,137	860,382	7,092,728	11,230,253	4,137,525	3,242
Mucilage and paste.....	48	301	2,915,439	364,148	3,035,076	4,705,012	1,760,836	1,028
All other.....	70	502	4,217,008	480,234	4,057,052	6,434,341	2,370,080	2,214
Musical instruments and materials, not specified.....	240	4,113	7,876,182	3,984,656	4,444,720	12,500,334	8,061,005	3,286
Musical instruments, organs.....	68	1,941	6,770,587	1,978,518	2,217,097	5,073,268	3,756,171	3,251
Musical instruments, pianos.....	101	22,057	116,100,536	26,474,200	54,304,056	107,088,050	52,723,394	28,732
Musical instruments, piano and organ materials.....	113	11,009	32,323,609	10,407,137	10,693,140	36,780,027	20,096,487	15,821
Piano materials.....	97	10,769	31,760,045	10,231,122	10,320,120	35,956,044	10,627,816	15,619
Organ materials.....	18	240	554,624	230,015	304,011	832,683	468,672	302

MANUFACTURES.

TABLE 46.—MISCELLANEOUS INDUSTRIES: 1919—Continued.

INDUSTRY.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Optical goods.....	506	14,723	\$37,739,904	\$14,388,207	\$17,785,083	\$53,717,798	\$35,932,715	15,710
Paving materials.....	889	16,072	67,421,242	17,169,154	16,019,811	45,740,006	29,720,705	191,543
Pencils, lead.....	12	5,970	29,041,044	5,390,050	9,078,563	24,134,159	15,000,598	8,000
Peas, fountain and stylographic.....	56	3,207	9,725,302	2,950,663	6,811,419	15,806,808	10,185,380	1,517
Phonographs and graphophones.....	166	28,721	105,241,360	33,933,148	59,740,205	153,547,870	98,807,065	40,188
Photographic apparatus.....	68	2,555	7,204,031	2,042,957	3,584,380	9,384,050	5,709,070	2,321
Cameras.....	12	842	1,928,705	770,541	1,189,203	2,699,608	1,810,405	652
Motion-picture machines.....	18	858	2,417,233	1,076,699	1,145,181	3,431,749	2,280,668	1,105
All other apparatus and parts.....	38	855	2,018,033	793,717	1,240,906	2,052,093	1,702,697	564
Photographic materials.....	169	14,566	87,204,707	18,005,941	40,801,747	115,714,179	65,012,432	20,458
Motion-picture films, not exposed.....	15	9,652	44,448,042	11,110,388	25,017,613	71,245,091	45,328,378	20,261
Motion-picture projection films.....	50	3,046	37,254,232	6,708,661	19,579,419	36,705,207	17,125,788	4,169
All other.....	104	1,258	5,501,533	1,137,892	4,304,715	7,702,081	3,458,266	2,028
Pipes, tobacco.....	50	2,539	7,634,602	2,555,201	3,497,414	11,553,777	8,056,363	2,001
Pulp, from fiber other than wood.....	5	64	778,177	55,944	395,947	624,444	128,497	833
Roofing materials.....	178	8,871	57,069,224	10,344,043	52,587,777	85,895,350	33,307,582	30,327
Metal shingles and ceiling.....	20	455	2,632,358	541,741	1,532,139	2,749,859	1,217,720	801
All other.....	149	8,416	54,436,866	9,802,302	51,055,038	83,145,500	32,089,862	38,406
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	437	119,848	782,637,722	156,806,823	525,086,300	987,088,045	461,401,736	354,188
Sand and emery paper and cloth.....	12	771	9,087,608	340,766	5,000,561	9,303,734	4,243,173	3,077
Shipbuilding, steel.....	162	344,014	1,208,640,254	538,372,570	643,752,814	1,450,489,510	812,730,702	475,507
New vessels.....	105	321,787	1,210,558,980	500,086,700	618,902,750	1,304,204,032	745,301,273	441,050
Concrete vessels.....	5	2,277	5,111,408	3,100,882	3,158,032	6,896,280	3,738,218	1,985
Repair work only.....	45	19,736	52,317,371	34,934,721	21,200,717	84,424,005	63,133,048	32,183
Small boats.....	7	214	652,488	250,207	401,300	874,539	473,233	343
Shipbuilding, wooden, including boat building.....	913	48,432	120,807,500	59,074,072	66,700,802	165,871,715	99,101,883	78,144
New vessels.....	315	34,122	93,372,040	45,872,082	56,808,161	133,303,335	70,405,174	69,593
Repair work only.....	277	7,730	22,084,471	11,295,405	7,293,505	26,549,166	10,255,591	14,075
Small boats.....	294	1,450	4,792,480	1,750,238	2,187,418	5,197,082	3,010,204	3,370
Masts, spars, oars, and the rigging of vessels.....	27	130	558,580	104,437	390,718	821,572	430,854	606
Signs and advertising novelties.....	770	10,432	29,249,133	9,715,216	16,071,024	43,343,093	27,271,189	7,730
Electric signs.....	65	1,031	3,908,803	1,323,074	2,107,883	4,694,802	2,580,910	531
Other signs.....	544	3,212	7,531,795	3,505,026	4,368,400	12,909,800	8,541,400	3,016
Advertising novelties.....	170	0,189	17,748,445	4,827,117	0,595,641	25,738,482	10,142,841	4,183
Soda-water apparatus.....	66	2,509	14,711,872	3,232,398	6,826,868	15,185,370	8,558,502	4,110
Sporting and athletic goods.....	188	6,412	19,051,458	6,752,003	11,900,388	23,839,901	11,870,003	6,376
Stationery goods, not elsewhere specified.....	223	11,261	30,700,900	9,577,807	28,100,239	53,303,244	30,203,015	8,312
Penholders.....	5	101	124,420	60,174	54,993	107,554	112,501	37
All other.....	218	11,160	36,570,480	9,517,693	28,105,240	58,195,600	30,000,444	8,305
Steam packing.....	160	6,147	36,934,462	7,103,275	22,724,501	40,624,770	17,800,218	20,763
Stencils and brands.....	84	417	1,111,333	428,708	514,241	1,597,785	1,083,544	374
Surgical appliances.....	268	6,300	33,063,371	0,084,143	22,213,621	43,533,880	21,320,239	12,387
Theatrical scenery.....	17	149	572,878	237,603	504,655	1,067,033	502,378	104
Toys and games.....	541	14,201	27,738,500	11,847,277	19,841,498	45,656,803	25,815,305	14,440
Umbrellas and canes.....	198	3,388	15,397,275	3,139,602	15,032,989	25,308,826	9,075,837	3,383
Washing machines and clothes wringers.....	105	5,956	25,985,355	6,431,378	23,388,925	40,771,285	17,382,300	8,836
Whips.....	20	717	2,461,021	592,280	1,000,042	2,086,285	1,889,643	853
Windmills.....	31	1,932	10,004,803	2,145,301	4,980,426	0,932,585	4,072,159	4,701
Window shades and fixtures.....	287	4,411	18,098,914	3,609,280	18,249,540	29,190,649	10,041,109	8,948
All other industries ¹	5	99	131,355	89,708	109,589	361,431	161,842	154

¹ Comprises the following industries, with number of establishments as indicated: "Straw goods, not elsewhere specified," 1; "whalebone cutting," 1; and "wood carpet," 3.