

MANUFACTURES BULLETINS

SUMMARY FOR THE UNITED STATES

STATES AND TERRITORIES

ARRANGED ALPHABETICALLY, BY STATES, INCLUDING DISTRICT OF COLUMBIA
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FOURTEENTH CENSUS OF THE UNITED STATES
MANUFACTURES: 1919

UNITED STATES

BY INDUSTRIES AND GEOGRAPHIC DIVISIONS AND STATES

(PRELIMINARY TOTALS, SUBJECT TO CORRECTION)

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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The classification of the industries in Table 18, which is divided into six sections, and the figures for the various items shown, are given on the following pages:

Industry, Number of establishments, Capital, Salary, and wage payments	30, 36, 42, 48, 54, 60, 66
Contract work, Rent and taxes, Cost of materials used, Value of products	31, 37, 43, 49, 55, 61, 67
Industry, Proprietors and firm members, Number of salaried employees	32, 38, 44, 50, 55, 62, 68
Average number of wage earners, Number of wage earners Dec. 15 or nearest representative day, Fuel used	33, 39, 45, 51, 57, 63, 69
Industry, Number of establishments reporting horsepower, Primary power (owned)	34, 40, 46, 52, 58, 64, 70
Primary power (owned and rented), Electric motors	35, 41, 47, 53, 60, 65, 71



EXPLANATION OF TERMS.

Scope of census.—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or for which products were valued at less than \$500, or the manufacturing done in educational, eleemosynary, and penal institutions.

Period covered.—The returns relate to the calendar year 1919, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

The establishment.—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city, county, or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city, county, or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

Classification by industries.—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products different from those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some products of this class may be made in establishments in which it is not the product of chief value.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1919 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

Persons engaged in the industry.—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date did not portray such conditions, an earlier date was requested.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, by sex, without distinction of age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined, because, in view of the variations of date, such a total is not believed to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation.

In order to determine as nearly as possible the age distribution of the average number of wage earners for an industry, the per cent distribution by age of the wage earners for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year to determine the average numbers 16 years and over, and under 16, employed.

(2)

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month, and while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

Capital (amount actually invested).—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the census of 1914 and 1900. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except as indicating general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

Materials.—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

Rent and taxes.—The taxes include certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individuals and partners.

Value of products.—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

Value added by manufacture.—The value of products is not always a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry, from a manufacturing standpoint, is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

Cost of manufacture and profits.—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of depreciation or interest, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

Primary horsepower.—This item represents the total primary power equipment of the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas, and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuel is impracticable.

CENSUS OF MANUFACTURES: 1919.

TABLE 2.—FOOD AND KINDRED 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.....	61,312	684,672	\$4,615,149,885	\$722,539,843	\$10,111,546,824	\$12,438,890,851	\$2,827,344,027	2,571,157
Animal products.....	10,230	217,268	1,806,050,512	266,910,823	4,911,469,869	5,573,255,972	661,786,303	580,520
Butter.....	3,738	17,641	162,302,108	18,852,720	514,345,739	583,183,011	68,817,272	95,190
Cheese.....	3,530	3,987	20,022,734	4,808,991	129,425,265	143,455,704	14,030,439	24,500
Condensed milk.....	401	13,675	126,952,520	14,277,956	382,595,292	339,506,774	56,011,482	49,181
Butter, reworking.....	5	47	602,902	56,432	2,005,769	2,229,035	223,288	343
Oleomargarine, and other butter substitutes.....	42	2,851	24,971,947	3,184,118	66,042,792	79,815,580	13,772,788	9,435
Slaughtering and meat packing.....	1,304	180,996	1,178,483,643	209,489,263	3,782,929,533	4,246,290,614	463,361,081	359,212
Slaughtering.....	604	6,556	45,639,110	8,539,849	212,344,204	243,061,209	80,717,005	23,586
Meat packing.....	142	6,306	32,111,789	7,580,724	74,493,682	92,840,368	18,346,738	11,061
Slaughtering and meat packing.....	558	148,074	1,098,732,744	193,068,690	3,496,091,097	3,910,389,037	414,287,340	319,565
Lard, not made in slaughtering and meat-packing establish- ments.....	6	13	40,537	12,154	175,317	219,660	44,343	40
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	196	2,140	8,875,942	2,045,043	36,015,817	41,705,079	5,680,262	4,016
Sausage, not made in slaughtering and meat-packing es- tablishments.....	633	3,471	13,777,265	4,070,118	43,940,356	56,610,092	12,669,736	12,713
Sausage.....	547	2,653	10,255,744	3,564,169	37,128,034	47,500,686	10,372,652	11,079
Sausage casing.....	86	818	3,521,521	1,114,949	6,812,322	9,109,406	2,267,084	1,634
Canning and preserving, fish.....	410	11,248	83,049,038	9,036,080	52,410,951	77,284,412	24,873,461	24,805
Canning and preserving, oysters.....	65	1,189	2,971,876	408,930	1,582,838	2,076,011	1,393,173	1,025
Vegetable products.....	50,982	487,404	3,009,099,373	455,629,020	5,200,077,155	6,865,634,879	1,665,557,724	1,690,637
Canning and preserving, fruits and vegetables.....	3,082	60,865	223,692,234	43,502,537	265,628,525	402,242,972	138,614,447	132,422
Canned vegetables.....	1,980	32,558	134,442,080	19,788,284	101,836,478	162,067,699	60,261,221	95,352
Canned fruits.....	446	21,735	68,000,910	18,583,011	89,289,975	150,474,213	61,174,238	26,214
Dried fruits.....	629	6,053	19,300,168	4,793,769	72,982,712	87,252,343	14,289,631	9,447
Dried vegetables.....	18	519	1,943,076	407,473	1,589,360	2,418,717	879,357	1,409
Pickles, preserves, and sauces.....	723	16,621	88,703,685	13,346,467	93,037,433	145,784,530	52,747,097	22,500
Preserves.....	195	7,039	35,941,096	5,586,890	45,537,295	65,122,667	19,585,372	7,715
Pickles and sauces.....	528	9,582	52,762,589	7,779,577	47,500,138	80,681,803	33,161,725	14,785
Chocolate and cocoa products.....	48	9,083	60,674,737	9,270,077	101,754,466	139,258,296	37,503,830	33,440
Coffee and spice, roasting and grinding.....	704	10,540	127,747,535	9,201,242	243,899,108	304,701,077	60,892,580	29,760
Coffee.....	700	9,335	120,738,685	8,170,078	234,405,774	291,663,930	57,258,156	26,855
Spice.....	25	1,205	7,008,870	1,031,164	9,493,334	13,127,747	3,634,413	2,895
Confectionery and ice cream.....	6,624	95,648	317,043,923	76,159,808	368,809,170	637,209,188	268,399,988	179,891
Confectionery.....	3,149	70,493	219,634,526	54,461,057	252,433,691	447,720,103	195,292,412	77,197
Ice cream.....	3,475	19,155	97,409,397	21,698,809	116,375,479	189,483,065	73,107,586	102,694
Chewing gum.....	62	3,190	23,703,313	2,679,803	25,202,312	51,240,156	28,037,844	6,178
Cordials and flavoring sirups.....	149	1,398	11,673,732	1,297,281	30,998,028	46,806,718	15,808,090	3,177
Flavoring extracts.....	453	2,188	13,561,337	1,685,285	19,418,176	30,116,932	10,698,756	3,376
Flour-mill and gristmill products.....	10,708	45,481	801,024,507	60,888,883	1,798,180,987	2,052,434,385	253,253,398	876,405
Bread and other bakery products.....	25,095	141,502	509,285,779	158,237,059	713,239,411	1,151,898,318	433,656,907	165,950
Biscuits and crackers.....	176	34,341	112,248,722	26,065,795	103,134,410	204,020,565	100,886,155	29,273
Bakery products, other than biscuits and crackers.....	24,919	107,251	397,017,057	132,171,264	610,105,001	947,875,753	337,770,752	136,677
Food preparations, not elsewhere specified.....	1,997	30,365	245,282,687	29,392,209	494,597,157	631,508,150	137,000,993	150,230
Breadstuff preparations, such as cereals and table foods.....	105	7,634	69,007,129	5,808,879	117,838,248	159,223,465	41,385,217	47,372
Lard compounds and other substitutes.....	27	2,390	30,254,472	2,422,741	110,855,428	121,249,287	10,393,838	10,005
Macaroni, vermicelli, and noodles.....	557	4,543	24,452,605	4,165,009	25,108,951	37,057,198	11,947,247	10,709
Meat products, not elsewhere specified.....	86	2,489	14,832,922	2,133,195	25,282,506	33,875,061	8,592,495	3,741
Peanut butter.....	66	531	1,958,600	338,623	4,439,436	5,850,706	1,411,270	1,172
Sweetening syrups, other than cane.....	256	2,188	22,197,874	1,849,419	37,070,830	50,405,585	13,350,755	8,656
All other preparations for human consumption.....	616	6,179	38,398,438	5,489,387	52,423,641	81,116,299	28,692,058	16,049
Prepared feed for animals and fowls.....	294	4,411	44,180,557	4,481,956	121,568,050	142,795,569	21,227,513	46,526
Glucose and starch.....	56	7,795	58,182,682	11,962,483	130,328,848	186,256,260	55,927,412	52,846
Glucose.....	9	5,009	35,104,327	7,930,957	95,610,637	134,548,109	38,937,472	34,640
Starch.....	47	2,786	23,078,355	4,031,526	34,718,211	51,708,151	16,089,940	18,206
Peanuts, grading, sorting, cleaning, and shelling.....	78	2,460	10,393,512	1,328,712	28,474,052	33,354,377	4,880,325	7,351
Rice, cleaning and polishing.....	86	2,113	23,792,509	1,932,196	76,633,816	90,038,412	13,404,596	27,382
Sugar, beet.....	85	11,781	224,584,879	15,908,118	87,029,144	149,155,892	62,126,748	127,394
Sugar, cane.....	202	6,101	55,117,127	4,009,369	44,143,416	57,741,320	13,587,904	101,381
Sugar, refining, not including beet sugar.....	20	18,202	193,540,825	22,710,464	662,143,981	730,988,706	68,842,725	52,641
Vinegar and cider.....	720	1,981	20,514,590	2,047,460	15,558,525	24,722,610	9,164,085	17,943
Vinegar.....	199	1,365	14,394,965	1,391,994	11,217,205	17,480,319	6,263,114	7,759
Cider.....	521	616	6,119,625	655,475	4,341,320	7,242,291	2,900,971	10,184

CENSUS OF MANUFACTURES: 1919.

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TABLE 3.—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	1,611,309	\$6,096,161,183	\$1,482,326,820	\$5,382,079,303	\$9,216,102,814	\$3,834,023,511	3,274,090
Textile fabrics and materials.	7,143	1,052,327	4,441,379,180	910,047,029	3,258,527,300	5,481,883,549	2,223,356,159	3,037,732
Cotton goods.	1,288	430,096	1,863,099,816	355,474,937	1,277,785,507	2,125,272,193	847,486,506	1,840,201
Cotton small wares.	164	9,396	29,559,474	7,162,218	24,030,951	40,896,535	16,886,884	14,283
Cotton lace.	44	6,490	32,200,216	6,086,557	13,075,994	29,390,855	16,320,850	9,078
Knit goods.	2,050	172,572	516,457,091	125,199,820	427,095,500	713,139,038	286,044,129	151,601
Silk goods.	1,369	126,782	532,732,163	108,226,330	388,469,022	888,460,523	300,000,501	176,825
Finished products.	1,040	97,342	447,966,397	88,571,734	333,435,945	590,237,835	256,801,890	115,700
Throwing and winding.	329	29,440	84,765,766	19,654,596	55,033,077	98,231,088	43,198,611	61,125
Woolen and worsted goods.	852	166,787	831,604,748	168,108,081	665,504,083	1,065,434,072	390,830,389	468,480
Woolen goods.	560	82,057	273,073,070	66,595,826	217,065,333	364,806,590	146,931,257	172,947
Worsted goods.	292	103,830	557,721,078	101,512,855	447,620,350	700,537,482	252,908,132	295,533
Felt goods.	49	5,236	35,024,373	4,878,490	22,780,775	39,229,540	16,448,765	16,411
Hats, wool-felt.	40	1,448	3,831,376	1,387,777	3,690,822	6,730,652	3,039,820	2,396
Carpets and rugs, other than rag.	75	22,983	118,100,401	24,216,121	67,118,030	123,253,828	58,135,788	38,170
Wool shoddy.	78	2,506	10,900,722	2,655,109	10,076,315	23,254,398	7,178,083	16,094
Wool pulling.	24	705	8,853,437	900,788	12,800,502	17,301,231	4,551,639	2,162
Wool scouring.	33	2,177	10,049,090	2,896,453	7,228,350	13,070,584	6,451,234	6,700
Cordage and twine.	120	17,622	100,248,987	14,700,061	89,705,282	133,366,476	43,661,104	66,643
Jute goods.	26	7,138	41,335,845	6,430,286	17,708,834	34,442,608	16,733,864	32,135
Linen goods.	10	1,890	7,527,500	1,635,642	4,190,187	6,098,046	2,807,859	6,069
Flax and hemp, dressed.	20	420	2,788,958	447,373	1,708,670	2,360,114	660,444	1,920
Mat and matting, from cocoa fiber, grass and coir.	12	1,073	190,075	810,007	2,102,580	4,860,555	2,758,275	1,970
Hats, fur-felt.	176	18,510	58,127,770	10,642,631	40,158,019	82,745,308	42,587,289	20,389
Haircloth.	18	425	2,099,150	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	55,985	220,948,486	57,189,978	174,742,815	323,067,883	149,224,888	160,430
Cloth, sponging and refinishing.	67	1,206	1,465,086	1,564,661	178,161	3,090,858	3,512,097	952
Articles from textile fabrics for personal wear.	18,778	507,700	1,346,018,469	526,955,340	1,746,830,912	3,188,147,094	1,452,210,182	133,000
Clothing, men's.	5,258	155,270	554,147,270	107,821,990	605,752,176	1,162,985,033	557,233,457	40,577
Regular factors.	2,005	133,872	542,203,058	142,774,594	569,017,010	1,082,472,043	483,455,033	33,873
Men's and youths'.	1,768	92,884	403,200,021	108,284,280	428,403,030	802,065,605	373,001,666	20,014
Boys'.	370	10,226	49,608,707	11,460,650	55,857,575	105,174,820	40,317,245	1,857
All other.	758	30,782	89,484,330	23,083,655	111,695,490	175,231,618	68,539,122	12,002
Contract work.	2,353	41,398	11,854,221	55,947,396	6,785,166	80,618,590	73,778,424	8,704
Men's and youths'.	2,005	34,224	9,415,557	46,312,643	5,082,056	67,595,089	61,913,633	5,148
Boys'.	253	5,014	1,341,740	7,358,145	658,809	10,509,026	9,850,157	1,085
All other.	95	1,600	1,006,924	1,370,008	304,241	2,408,875	2,014,034	471
Clothing, men's buttonholes.	107	484	237,066	514,600	128,266	1,080,046	966,783	189
Shirts.	890	39,803	102,012,047	25,833,865	127,087,745	205,327,133	78,239,388	14,944
Furnishing goods, men's.	487	18,044	53,014,066	13,562,866	64,748,912	107,834,695	43,080,783	5,005
Neckwear.	322	6,778	25,870,756	6,457,920	30,608,093	62,841,239	23,333,146	1,272
All other.	165	12,106	27,137,310	7,105,037	25,235,810	44,903,456	19,757,637	4,393
Collars and cuffs, men's.	30	11,103	30,146,935	7,430,720	10,434,095	47,564,949	28,130,854	5,286
Gloves and mittens, cloth.	182	8,986	17,887,953	4,555,246	16,002,462	28,220,113	12,127,651	3,364
Suspenders, garters, and elastic woven goods.	196	10,867	30,670,879	9,270,130	36,369,218	60,774,852	24,405,434	9,028
Hats and caps, other than felt, straw, and wool.	709	7,630	18,615,472	9,438,864	24,176,514	44,539,861	20,363,347	1,687
Clothing, women's.	7,711	165,049	360,526,517	105,295,834	680,400,844	1,208,543,128	528,180,284	32,622
Regular factors.	5,516	130,097	377,474,663	162,973,102	669,071,033	1,146,312,346	477,241,313	26,834
Suits, skirts, and cloaks.	1,820	41,003	137,034,097	87,250,309	281,268,342	402,081,024	210,812,682	7,558
Shirt waists and dresses, except house dresses.	1,873	52,176	124,492,156	58,440,097	221,665,839	379,895,926	158,230,087	8,303
Underwear and petticoats.	637	10,225	50,687,710	15,674,749	81,050,620	125,602,282	44,611,362	4,809
Wrappers and house dresses.	238	6,358	18,066,087	5,058,963	24,090,163	39,538,694	15,448,641	1,982
All other.	948	19,380	46,613,613	16,548,024	60,996,079	100,134,420	48,138,341	4,092
Contract work.	2,195	26,552	13,051,854	32,322,732	11,335,811	62,230,782	50,894,971	5,788
Suits, skirts, and cloaks.	974	8,817	5,347,876	13,809,126	5,443,515	27,428,594	21,985,081	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.	70	1,344	401,800	831,898	463,110	1,714,437	1,251,327	302
Wrappers and house dresses.	47	691	178,434	447,927	65,154	873,218	808,064	151
All other.	210	3,055	1,066,574	3,207,096	477,952	4,767,873	4,279,921	724
Corsets.	188	18,415	43,516,486	13,082,242	38,815,803	75,541,959	36,728,156	7,156
Corsets.	142	16,297	38,733,498	11,525,056	34,551,453	68,238,860	31,687,407	6,667
Corset waists and brassieres.	46	2,118	4,782,988	1,566,286	4,284,350	9,303,099	5,038,749	480
Millinery and lace goods, not elsewhere specified.	3,005	50,850	95,538,789	40,848,884	132,928,877	265,724,022	122,798,045	12,482
Embroideries.	1,204	14,283	20,572,232	14,387,906	22,110,764	56,818,652	34,701,898	3,328
Trimmed hats and hat frames.	829	22,662	37,188,508	23,980,052	68,431,018	122,870,786	53,439,768	4,843
Dress and cloak trimmings, braids, and fringes.	156	1,997	5,243,478	1,852,582	7,344,252	12,674,130	5,329,887	839
Women's neckwear.	150	3,395	6,830,065	2,760,164	10,968,350	20,384,206	9,415,856	523
All other.	576	8,513	10,709,486	6,862,220	23,068,503	42,077,139	19,908,636	2,049
Other textile fabrics.	2,631	51,282	309,762,554	45,323,851	377,621,001	536,072,171	158,451,170	103,358
Awnings, tents, and sails.	895	6,028	26,727,621	5,858,523	26,961,140	45,690,390	18,729,250	4,589
Bags, other than paper.	216	10,756	70,042,143	7,756,582	176,017,600	214,059,474	38,041,914	9,082
Belting and hose, woven, other than rubber.	41	2,479	17,348,974	2,202,188	11,642,011	19,176,277	7,534,266	5,338
Woven belting.	24	1,769	8,843,717	1,532,805	6,834,438	11,124,065	4,289,627	3,066
All other, including woven hose.	17	710	8,505,257	6,668,383	4,807,573	8,052,212	3,244,630	2,272
Clothing, horse.	28	766	3,704,741	551,278	3,455,886	6,020,612	2,584,926	1,577
Flags and banners.	79	1,065	3,436,484	795,242	3,280,105	5,346,089	2,059,924	778
Rogals and society badges and emblems.	115	2,223	6,257,760	1,800,888	4,287,055	9,395,470	5,108,415	1,833
Hat and cap materials.	133	3,009	19,861,885	3,132,571	10,643,919	26,521,212	9,877,293	4,927
Hammocks.	6	64	153,465	40,241	109,492	255,755	86,263	92
Nets and seines.	19	859	4,155,531	561,282	3,648,206	5,114,414	1,460,208	959

CENSUS OF MANUFACTURES: 1919.

TABLE 3.—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.....	467	7,553	\$32,626,867	\$6,443,915	\$39,703,982	\$60,211,804	\$20,417,854	12,240
Comforts and quilts.....	74	1,602	7,902,065	1,205,149	7,791,658	11,062,062	4,181,304	3,987
Feather pillows and beds.....	44	589	4,083,643	582,070	5,047,603	7,884,952	2,337,349	2,093
Cotton batting, not made in cotton mills.....	9	218	866,815	156,346	871,902	1,285,001	413,690	905
Mops and dusters.....	75	528	1,423,270	380,916	2,056,039	3,277,571	1,221,632	493
All other.....	295	4,916	18,235,474	4,048,834	24,036,700	36,300,658	12,203,058	4,281
Carpets, rug.....	339	2,016	2,853,400	550,501	2,037,874	5,597,057	3,553,183	2,674
Oilcloth and linoleum, floor.....	21	5,414	49,803,088	6,518,089	30,308,703	52,673,200	22,304,503	23,500
Oilcloth, enameled.....	11	1,130	10,782,957	1,200,877	11,140,723	15,486,875	4,296,152	4,501
Upholstering materials, not elsewhere specified.....	162	4,810	32,556,564	4,087,307	25,448,803	39,580,711	14,440,818	10,826
Imitation leather and leatheroid.....	17	2,011	21,629,899	2,163,171	18,132,204	20,281,906	8,149,702	4,052
Eccelsior.....	95	1,242	4,685,106	1,144,503	2,521,907	4,913,450	2,301,483	10,516
Curled hair.....	15	768	3,164,142	736,885	2,201,483	3,712,622	1,421,122	1,804
All other.....	30	789	3,077,357	642,748	2,503,242	4,981,603	2,478,451	2,494
Waste.....	92	2,680	19,472,471	2,106,840	22,144,087	20,700,402	7,558,315	11,301
Cotton.....	61	1,951	11,035,372	1,538,632	15,487,362	21,054,429	5,597,067	8,860
All other.....	31	735	8,437,080	608,208	6,636,725	8,645,973	1,950,218	2,522
Oakum.....	6	124	978,063	118,032	575,525	983,423	407,898	533

TABLE 4.—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.....								
Crude iron and steel and rolled products.....	20,120	1,585,712	\$8,711,843,201	\$2,193,203,301	\$4,815,885,004	\$8,403,634,265	\$4,587,749,281	8,082,692
Crude iron and steel and rolled products.....	725	419,092	3,501,298,687	714,978,312	2,329,860,830	3,661,052,918	1,331,992,088	5,439,436
Iron and steel, blast furnaces.....	125	41,060	832,476,541	73,789,305	622,280,400	794,950,458	172,180,002	1,581,432
Ferroalloys.....	30	2,314	42,364,729	3,571,487	28,008,570	38,583,984	10,485,408	37,087
Iron and steel, steel works and rolling mills.....	500	375,088	2,036,511,417	637,637,480	1,080,575,758	2,828,002,376	1,148,320,618	3,520,917
Other iron and steel products.....	18,395	1,166,620	5,210,543,514	1,478,224,589	2,485,924,174	5,741,861,347	3,255,757,173	2,043,256
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	17,937	75,715,918	20,973,834	41,277,117	89,743,882	45,166,765	49,050
Cast-iron pipe.....	60	12,026	42,863,026	14,705,398	25,386,552	50,229,101	24,848,519	26,741
Doors and shutters.....	57	2,077	9,949,235	2,729,774	4,577,934	19,877,001	6,299,047	4,013
Forgings.....	241	28,301	135,246,144	30,772,553	82,024,402	173,752,104	61,721,012	101,051
Horseshoes.....	20	744	4,586,563	630,240	1,580,019	3,867,001	1,830,382	3,874
Nails and spikes, cut and wrought, including wire nails	65	3,355	13,215,785	3,397,562	8,574,747	17,583,314	8,705,597	8,974
Cut nails and spikes.....	6	511	2,040,511	488,577	807,010	2,056,136	1,249,066	1,502
Wire nails and spikes.....	28	814	3,303,235	900,804	3,826,239	6,135,100	2,608,921	2,918
Forged nails and spikes.....	8	359	1,538,729	845,989	719,873	1,558,494	838,621	1,177
All other, including tacks.....	25	1,671	5,317,310	1,658,242	3,721,595	7,838,554	4,111,050	3,377
Springs, steel, car and carriage.....	112	8,981	45,472,282	11,157,574	28,019,180	51,470,535	23,400,355	16,585
Carriage and wagon.....	73	578	2,109,344	708,818	3,757,315	3,678,176	1,921,861	1,770
Automobile.....	8	506	7,387,952	743,029	3,297,445	5,793,458	2,499,013	1,957
Machinery and other.....	28	5,279	26,945,466	6,375,230	18,532,755	31,558,570	13,025,785	8,428
Steel barrels, drums, and tanks, portable.....	33	3,322	18,218,312	4,435,444	15,151,210	24,9,2,650	9,701,440	10,554
Structural iron-work.....	1,146	43,062	219,470,095	50,020,132	168,800,715	204,602,149	126,161,704	165,347
Tempering and welding.....	520	1,835	7,029,948	2,742,928	3,575,881	10,995,072	7,419,701	8,804
Tempering.....	35	528	3,715,844	768,171	1,788,282	4,607,322	2,780,040	5,520
Welding.....	485	1,307	3,911,104	1,074,757	1,707,599	6,124,350	4,830,751	3,275
Wrought pipe.....	50	10,426	72,709,472	14,010,876	51,155,653	81,800,115	30,713,462	23,926
Cash registers and calculating machines.....	85	10,544	82,798,203	22,537,266	10,889,998	18,539,025	72,049,027	14,630
Adding machines.....	20	8,640	45,846,543	11,824,084	5,682,705	17,632,471	41,969,766	7,037
Cash registers and parts.....	19	6,414	27,832,683	9,012,357	4,008,830	3,032,883	26,021,53	6,849
All other.....	26	1,490	9,159,037	1,709,244	1,223,913	4,978,071	3,749,758	714
Engines, steam, gas, and water.....	370	77,617	451,124,733	105,435,485	217,550,771	404,774,735	247,223,684	190,021
Firearms.....	26	11,287	51,917,782	13,338,495	7,613,784	30,181,370	22,537,566	26,167
Foundry and machine-shop products.....	10,934	182,767	2,101,950,993	622,571,129	948,669,381	2,280,250,850	1,3,1,181,478	1,051,840
Foundries.....	525	23,000	124,097,972	31,585,330	72,2,1,746	143,655,758	71,424,012	73,833
Machine shops.....	1,810	101,816	310,180,972	141,076,752	175,215,161	421,049,256	245,181,107	220,533
Machine shop and foundry combined.....	8,110	270,444	1,312,782,602	3,3,374,501	551,745,810	1,354,834,253	795,18,913	559,304
Gas machines and gas and water meters.....	135	5,589	21,880,903	5,995,877	10,647,402	26,267,074	15,610,672	8,601
Gas meters and water meters.....	34	3,819	15,303,711	1,003,846	6,030,084	18,441,030	10,40,160	4,370
Gas machines.....	49	1,333	7,189,884	1,511,397	3,711,180	7,521,70	3,15,531	3,496
All other.....	22	437	2,487,308	480,684	897,149	2,206,264	1,399,115	735
Hardware.....	548	42,505	133,025,619	45,229,950	58,533,709	154,524,888	95,991,110	67,589
Locks.....	76	4,718	15,419,231	4,475,487	4,310,152	14,374,276	10,03,324	4,390
Builders' hardware.....	134	15,507	51,408,165	17,314,477	10,083,049	53,912,790	3,157,141	30,181
Piano and organ hardware.....	16	508	1,791,688	518,281	750,441	2,018,906	1,263,465	607
Vehicle hardware.....	63	6,997	10,704,773	7,577,363	12,350,890	27,501,844	15,150,948	9,968
All other.....	269	14,777	48,20,702	15,344,312	22,008,031	50,691,872	31,083,241	22,388

CENSUS OF MANUFACTURES: 1919.

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TABLE 4.—IRON AND STEEL 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 iron and steel products—Continued								
Hardware, saddlery.....	37	3,675	\$10,901,945	\$4,043,700	\$1,281,589	\$14,136,556	\$9,854,907	7,161
Locomotives, not made by railroad companies.....	17	26,715	138,275,523	38,708,641	72,376,950	150,269,730	83,893,780	97,187
Machine tools.....	403	53,111	231,039,843	60,178,969	59,031,308	212,400,158	153,365,850	100,433
Ordnance and accessories.....	26	11,328	85,309,103	15,550,042	20,502,658	69,495,628	42,902,970	40,652
Pens, steel.....	4	807	1,311,150	679,405	308,383	1,670,541	1,283,158	305
Plumbers' supplies, not elsewhere specified.....	214	13,592	60,980,632	15,902,517	27,707,007	60,055,265	32,258,258	29,762
Pumps, steam, and other power.....	112	10,688	51,830,075	13,703,526	28,007,880	53,745,502	29,837,013	22,155
Steam pumps.....	62	8,471	43,102,760	11,199,583	18,148,796	41,068,458	22,919,662	17,699
Other power.....	50	2,217	11,647,215	2,503,993	5,750,093	12,677,014	6,917,951	4,456
Pumps, not including power pumps.....	127	5,384	26,060,616	5,968,121	12,161,892	31,656,438	19,494,546	10,346
Safes and vaults.....	38	2,949	13,023,284	3,233,318	6,608,080	15,293,927	8,985,247	5,342
Safes.....	21	1,930	8,255,413	2,088,762	3,421,049	9,518,063	6,096,714	2,770
Vaults.....	17	1,010	4,707,871	1,104,556	3,186,781	5,775,264	2,688,533	2,572
Scales and balances.....	70	5,432	22,924,843	6,533,978	6,003,082	20,641,038	13,047,356	7,451
Screws, machine.....	143	10,262	53,569,817	12,104,780	14,988,868	40,015,400	25,031,592	23,540
Screws, wood.....	11	4,880	14,632,800	4,861,613	5,551,568	15,450,582	9,901,019	7,764
Sewing machines and attachments.....	40	15,050	71,363,920	19,333,378	16,384,134	43,601,919	27,310,785	21,379
Sewing machines.....	29	14,499	70,293,040	18,810,196	16,003,896	42,578,356	26,574,400	20,929
Attachments.....	11	560	1,070,880	523,182	380,238	1,116,563	736,825	450
Steam fittings and steam and hot-water heating apparatus.....	261	30,688	133,097,464	45,742,525	72,016,398	100,285,488	88,269,095	67,504
Radiators and cast-iron heating boilers.....	75	10,844	43,525,961	14,280,631	22,081,124	45,013,178	22,982,054	21,395
All other.....	186	25,842	80,571,503	31,461,894	49,055,260	115,272,310	65,317,041	40,100
Stoves and hot-air furnaces.....	412	32,868	122,818,373	41,321,138	54,808,310	145,717,063	90,011,647	40,470
Stoves and ranges.....	280	27,186	94,530,978	33,905,951	40,850,260	111,727,270	71,377,020	38,600
Hot-air furnaces.....	128	5,405	27,368,616	7,116,836	13,411,707	81,708,649	18,383,942	9,417
Fireless cookers.....	6	277	901,779	298,316	1,038,850	2,162,044	1,158,685	402
Stoves, gas and oil.....	176	10,565	45,731,309	12,578,830	24,471,970	55,792,029	31,320,059	11,295
Textile machinery and parts.....	432	31,823	129,797,903	36,524,720	45,036,028	122,089,264	76,452,636	41,997
Tin plate and terneplate.....	24	3,122	31,315,060	5,756,417	73,422,640	97,401,720	23,982,071	18,697
Tools and cutlery:								
Cutlery and edge tools.....	304	10,850	68,971,247	20,048,465	19,477,487	66,029,570	47,152,183	38,968
Table cutlery.....	24	2,115	4,889,642	2,114,878	1,680,808	4,862,906	3,323,098	6,175
Razors, plain and safety.....	33	4,213	29,028,075	3,942,711	7,430,781	21,554,337	17,123,560	4,069
Axes and hatchets.....	25	2,743	10,306,906	2,819,028	2,584,013	9,594,334	6,010,321	12,414
Scissors, shears, and clippers.....	52	3,450	9,938,737	3,058,814	2,216,486	9,905,708	7,749,222	4,931
Pocket knives.....	40	4,984	9,155,131	4,460,697	2,499,710	9,691,928	7,102,212	5,494
Anglers, bits, chisels, and planes.....	27	1,166	2,821,820	1,290,164	825,803	3,151,407	2,328,604	2,250
All other.....	103	1,008	3,830,430	1,700,183	1,380,880	4,805,950	3,425,120	3,619
Files.....	50	5,767	15,092,801	6,192,444	4,227,880	17,010,563	13,388,663	11,905
Saws.....	112	5,510	20,665,369	6,280,807	11,792,224	31,460,557	19,668,333	16,098
Tools, not elsewhere specified.....	1,125	35,585	131,731,947	43,880,069	45,706,067	141,201,008	98,404,701	68,381
Shovels, spades, scoops, and hoes.....	42	2,538	13,830,778	2,015,842	5,874,329	14,161,001	8,586,762	8,635
Carpenters' tools, not elsewhere specified.....	34	2,271	8,251,864	2,607,988	2,530,508	7,901,098	5,373,498	4,851
Machinists' tools.....	502	17,880	68,201,160	23,076,840	19,471,110	70,846,368	51,375,295	21,411
All other.....	547	12,896	44,445,139	15,036,890	17,020,930	50,690,115	33,069,185	27,431
Typewriters and supplies.....	88	15,000	47,791,300	17,009,432	16,143,662	52,737,661	36,593,999	13,006
Typewriters.....	37	14,878	42,524,466	10,253,876	11,012,571	43,312,984	32,300,393	11,781
Supplies.....	51	761	6,209,834	755,556	5,131,091	8,424,697	4,263,606	1,285
Vault lights and ventilators.....	41	316	903,670	424,197	810,570	2,155,884	1,315,285	279
Wire (not including wire departments of rolling mills).....	60	10,741	102,016,777	20,280,607	102,813,501	162,151,286	59,337,045	110,461
Wirework, not elsewhere specified (not including wire-drawing mills).....	558	15,224	65,290,300	15,505,992	50,751,070	90,549,245	39,795,175	20,074
Wire rope and cable.....	15	2,401	15,205,073	2,603,704	13,059,281	20,969,380	7,910,099	7,199
Woven-wire fencing.....	53	1,501	8,441,778	1,726,901	13,209,818	17,788,705	4,578,887	3,633
All other, including barbed wire.....	490	11,262	41,583,458	11,176,297	24,484,971	51,791,160	27,300,189	18,242

CENSUS OF MANUFACTURES: 1919.

TABLE 5.—LUMBER AND ITS REMANUFACTURE: 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.....	39,855	839,008	\$2,580,045,756	\$847,031,570	\$1,359,998,587	\$3,070,072,813	\$1,710,074,246	3,417,941
Lumber and timber products.....	26,119	480,945	1,357,991,571	489,419,001	470,960,488	1,387,471,413	916,510,925	2,358,087
Lumber, planing-mill products, not including planing mills connected with sawmills.....	5,309	86,956	361,848,079	91,076,526	299,205,652	500,438,278	201,172,006	410,061
Window and door screens and weather strips.....	214	2,179	9,749,837	2,046,788	4,897,380	10,932,857	6,035,468	7,580
Window and door screens.....	176	2,061	8,680,080	1,938,129	4,302,051	9,502,122	5,280,168	7,348
Weather strips.....	38	118	1,060,257	111,639	594,435	1,340,735	746,370	162
Boxes, wooden packing, except cigar boxes.....	1,140	42,445	108,932,998	36,811,185	102,046,285	177,818,454	74,872,210	144,048
Boxes, cigar.....	189	5,218	6,611,944	3,512,236	6,336,540	13,110,213	6,773,673	5,060
Cooperage.....	1,099	13,219	48,853,805	14,082,224	58,520,955	88,236,061	20,715,406	30,698
Horseshoes and barrels.....	995	11,438	43,780,684	12,344,082	52,041,140	77,086,460	25,945,329	26,806
All other.....	104	1,781	5,073,221	1,738,132	6,470,515	10,249,592	3,770,077	3,832
Wooden goods, not elsewhere specified.....	245	6,443	21,110,717	5,061,674	10,173,353	21,703,261	11,610,908	25,908
Wood, turned and carved.....	722	10,649	23,542,346	9,307,242	16,600,215	34,947,130	18,237,924	30,988
Lasts.....	64	2,910	8,177,500	3,415,950	3,032,602	12,470,339	8,637,877	5,842
Furniture.....	3,154	138,331	423,902,405	141,116,316	261,523,395	571,356,333	390,832,938	262,703
Wood, other than rattan and willow.....	2,273	107,957	310,690,365	103,286,001	190,700,053	418,889,670	228,079,617	208,183
Rattan and willow.....	119	3,892	9,818,705	4,091,585	7,232,300	15,295,618	8,063,318	3,315
Metal.....	157	12,827	56,792,690	15,912,654	33,241,865	69,706,851	36,554,986	19,581
Store and office fixtures.....	605	15,655	46,690,735	17,826,076	30,259,177	67,394,104	37,135,017	31,124
Refrigerators.....	122	5,788	23,600,628	5,800,351	11,948,972	26,048,808	14,000,836	13,232
Show cases.....	119	1,857	5,377,884	1,995,600	4,032,123	8,234,308	4,262,185	4,424
Billiard tables, bowling alleys, and accessories.....	49	2,101	7,040,990	2,425,353	6,100,852	15,733,047	9,032,195	5,322
Looking-glass and picture frames.....	429	4,708	10,079,709	4,775,227	7,227,232	18,784,562	11,157,330	4,080
Sewing-machine easies.....	5	4,171	17,331,959	5,161,120	8,018,270	14,243,468	6,225,198	10,056
Baskets, and rattan and willow ware.....	375	4,533	7,195,394	3,869,086	4,904,241	11,821,167	6,010,926	6,310
Coffins, burial cases, and undertakers' goods.....	351	11,890	48,298,053	11,450,952	31,595,287	61,377,133	32,781,846	22,845
Rules, ivory and wood.....	13	168	414,980	142,290	133,034	480,543	346,000	200
Cork, cutting.....	62	3,646	14,570,221	3,887,114	9,134,050	16,282,230	7,147,280	8,688
Matches.....	21	3,726	29,477,486	3,059,537	0,852,970	18,485,870	11,642,906	12,947
Pulp goods.....	40	3,041	17,190,849	3,608,314	11,381,972	23,608,403	12,226,431	12,278
Wall board.....	10	587	5,443,676	791,211	4,083,897	7,601,330	3,007,433	1,068
All other, including moulded articles.....	30	2,454	11,747,173	2,817,103	6,698,075	15,917,073	9,218,998	10,005
Charcoal, not including production in the lumber and wood distillation industries.....	41	209	518,762	150,072	280,322	589,418	320,000	132
Wood preserving.....	73	3,078	28,138,079	4,342,277	23,241,858	33,230,313	9,987,455	10,260

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 6.—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.....	6,397	349,382	\$1,522,502,458	\$363,453,419	\$1,713,807,336	\$2,610,230,727	\$898,423,391	389,130
Leather, tanned, curried, and finished.....	680	72,476	671,341,553	88,205,473	646,521,527	928,501,701	282,070,174	218,238
Finished products of leather.....	5,717	276,886	883,160,905	275,247,046	1,067,285,800	1,081,630,020	614,352,217	170,892
Belting, leather.....	172	2,765	27,533,899	3,260,439	28,156,711	40,480,634	12,323,943	7,030
Boots and shoes, not including rubber boots and shoes, regular factory product.....	1,449	211,049	580,625,076	210,734,610	715,269,315	1,155,041,436	430,772,121	120,682
Contract work.....	1,337	208,854	575,094,289	208,787,585	710,007,817	1,140,137,272	435,529,465	110,694
Stitching.....	19	356	125,081	200,004	43,985	392,215	348,230	102
Crimpling.....	3	3	4,503	273,082	88,100	457,807	374,707	106
Buttonholes.....	3	7	2,150	3,500	188	10,658	10,470	6
Oversgaits, moccasins, and leggings.....	70	1,568	4,376,253	1,397,311	4,530,544	14,806	11,215	7
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories.....	252	9,715	61,747,458	9,124,778	133,887,276	161,203,310	27,310,034	9,003
Boot and shoe findings, exclusive of those produced in boot and shoe factories.....	427	8,941	28,988,416	8,187,196	40,428,347	62,825,408	22,397,061	10,082
Gloves and mittens, leather.....	355	10,635	29,870,277	8,150,784	28,280,129	46,940,511	20,634,382	3,288
Pocketbooks.....	139	2,905	5,427,990	3,061,903	7,557,155	14,549,059	6,092,504	431
Saddlery and harness.....	1,823	10,411	49,368,288	10,849,066	52,442,907	83,713,010	31,270,103	8,212
Trunks and valises.....	597	11,470	34,258,034	12,403,767	33,222,432	63,932,200	30,709,834	7,703
Leather goods, not elsewhere specified.....	503	8,945	33,341,468	9,415,403	30,035,537	52,052,772	22,017,235	3,902

CENSUS OF MANUFACTURES: 1919.

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TABLE 7.—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	\$564,509,017	\$1,306,717,793	\$3,012,583,990	\$1,705,886,197	2,348,999
Paper and wood pulp.....	729	113,759	905,794,583	135,600,042	467,482,637	788,059,377	320,676,740	1,851,014
Paper exclusively.....	407	51,043	3,33,382,919	58,324,153	237,402,880	374,302,494	130,959,614	501,098
Pulp exclusively.....	61	5,807	42,081,327	6,524,555	22,080,703	35,884,802	13,108,094	143,371
Paper and pulp.....	171	50,009	500,330,337	70,841,434	207,393,049	377,812,081	170,419,032	1,145,945
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	24,534,881	3,062,830	33,350,481	47,263,090	13,013,500	4,429
Boxes, paper and other, not elsewhere specified.....	1,201	55,802	131,390,783	43,325,554	101,135,292	200,419,343	105,284,051	54,955
Shipping containers, corrugated and fiber.....	102	11,580	43,235,991	10,128,512	38,741,081	28,844,103	19,732	
Set up paper boxes.....	865	34,189	52,184,477	24,081,287	39,000,724	93,382,086	53,775,342	20,088
Cartons.....	127	6,729	25,712,904	6,305,476	16,544,301	33,320,163	10,785,802	11,239
Paper cans and tubes.....	20	1,652	6,304,291	1,453,496	3,410,823	6,015,949	3,205,126	2,125
All other.....	27	1,706	3,889,120	1,356,813	2,832,303	5,505,981	2,673,078	1,771
Labels and tags.....	119	5,227	14,118,702	4,549,902	11,274,707	24,243,902	12,009,225	4,061
Paper patterns.....	19	403	1,084,325	374,479	316,890	1,528,382	1,211,492	68
Card cutting and designing.....	75	1,148	2,297,970	958,877	2,298,389	5,323,349	3,024,960	743
Cardboard, not made in paper mills.....	16	1,425	6,493,032	1,337,177	4,953,015	9,138,415	4,184,500	3,276
Envelopes.....	103	8,129	24,754,818	6,049,989	21,904,743	39,064,077	17,089,334	7,187
Paper goods, not elsewhere specified.....	308	14,135	64,442,560	12,066,024	65,205,484	107,284,759	41,989,275	35,538
Playing cards.....	8	1,832	0,140,513	1,559,038	3,030,430	10,063,733	7,033,294	2,377
All other.....	300	12,303	58,293,056	11,107,286	62,265,045	96,621,026	34,355,081	33,161
Printing and publishing.....	32,476	287,278	1,150,505,247	331,510,423	571,510,277	1,699,789,229	1,128,278,952	362,123
Printing and publishing, book and job.....	13,080	123,005	405,554,984	141,476,243	211,007,174	597,063,228	386,590,054	131,961
Job printing.....	11,951	113,901	312,005,583	131,316,152	100,145,145	487,074,733	290,929,588	123,780
Book publishing and printing.....	142	5,663	20,559,985	5,611,804	10,325,818	29,759,098	10,433,878	6,075
Book publishing without printing.....	687	713	54,258,400	6,005,606	9,615,249	71,974,342	62,369,098	286
Linotype work and typesetting.....	309	2,738	9,730,020	3,942,681	980,902	8,854,457	7,873,495	1,214
Printing and publishing, music.....	160	899	8,006,122	926,988	2,123,781	14,502,177	12,408,396	634
Printing and publishing.....	27	815	2,896,830	850,365	1,086,980	3,814,050	2,728,000	573
Publishing without printing.....	133	84	6,130,292	70,023	1,030,831	10,777,227	9,740,398	61
Printing and publishing, newspapers and periodicals.....	17,362	120,381	614,045,344	144,348,173	300,385,187	924,152,878	623,707,691	194,361
Printing and publishing.....	1,346	49,053	285,005,477	60,045,755	168,289,902	441,418,613	273,128,051	85,008
Printing, publishing, and job printing.....	12,420	68,389	266,816,289	75,055,330	102,446,618	315,829,398	213,382,780	106,881
Publishing without printing.....	3,593	2,339	61,623,578	3,247,088	20,648,607	160,904,807	137,256,260	2,472
Bookbinding and blank-book making.....	1,113	20,301	43,041,207	18,658,821	23,235,171	66,020,077	42,785,500	11,123
Engraving, steel and copper plate, including plate printing.....	421	7,014	19,040,260	7,908,109	6,980,747	24,209,154	17,228,407	5,420
Lithographing.....	331	15,618	60,817,330	18,201,089	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	60,821,178	46,838,761	17,447
Engraving and diesinking.....	478	1,878	4,605,712	2,901,504	1,027,323	7,350,002	5,423,279	1,700
Engraving, wood.....	55	235	338,908	407,215	219,268	1,182,618	934,350	67
Photo-engraving not done in printing establishments.....	422	6,769	12,442,784	10,423,541	5,038,382	29,389,386	24,351,004	3,800
Stereotyping and electrotyping.....	171	3,664	7,800,376	5,002,545	4,234,479	16,919,014	11,684,635	6,613
Printing materials.....	82	723	7,245,110	709,402	1,610,718	4,918,700	3,209,081	1,357
Type founding.....	23	810	4,428,644	867,517	943,245	2,089,757	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 8.—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	\$803,895,215	\$381,118,901	415,361
Liquors, distilled.....	34	1,380	45,018,110	1,710,699	19,055,522	31,854,085	12,198,503	16,494
Alcohol, including pure, neutral, or cologne spirits.....	28	1,243	43,008,323	1,536,839	18,550,756	30,133,408	11,582,652	10,296
Rum, whisky, and other distilled liquors.....	6	117	2,510,787	149,830	1,104,766	1,720,677	615,911	6,198
Liquors, malt.....	729	34,259	583,420,047	45,170,432	94,793,059	379,905,085	285,112,426	324,431
Liquors, vinous.....	342	1,011	14,855,481	1,013,898	8,115,841	17,454,194	9,338,353	5,180
Malt.....	55	1,352	34,829,495	1,845,210	31,012,707	39,340,414	7,727,707	27,483
Mineral and soda waters.....	5,194	17,440	102,838,582	10,393,477	68,590,585	135,341,437	60,741,852	41,764
Mineral and carbonated waters.....	5,025	10,199	85,805,164	15,072,293	60,820,621	122,594,632	61,765,011	34,069
Fruit beverages.....	84	808	13,026,812	901,401	5,925,525	9,464,785	3,539,260	4,071
All other.....	85	373	4,006,606	419,783	1,844,439	3,282,020	1,437,581	2,724

CENSUS OF MANUFACTURES: 1919.

TABLE 9.—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	\$3,747,674,883	\$5,610,299,073	\$1,862,624,190	2,043,525
Baking powders and yeast...	88	3,331	43,486,136	3,554,534	20,635,420	46,230,312	19,594,883	20,071
Baking powders...	67	1,623	29,080,892	1,466,335	14,879,901	25,950,822	11,070,921	2,431
Yeast...	21	1,708	14,405,244	2,088,190	11,755,528	20,279,490	8,523,962	17,640
Blacking, stains, and dressings...	220	2,455	13,080,901	2,109,103	14,041,840	25,284,072	11,242,232	2,490
Bluing...	57	360	1,227,619	288,063	1,542,954	2,731,277	1,188,323	423
Bone, carbon, and lampblack...	35	675	9,790,167	808,332	2,845,059	6,186,204	3,338,145	1,837
Bone black and lampblack...	6	253	1,612,781	315,690	895,333	2,251,971	1,356,638	1,145
Carbon black...	29	422	8,177,380	492,642	1,952,726	3,934,238	1,981,507	712
Candles...	19	541	4,033,426	437,581	2,178,528	3,350,806	1,172,278	597
Chemicals and acids...	820	76,210	710,640,251	104,166,995	206,155,374	605,611,510	309,456,138	475,919
Chemicals...	598	55,586	484,488,412	72,848,324	216,301,270	438,658,369	222,357,590	376,940
Coal-tar products...	183	15,663	174,991,835	23,402,140	63,990,734	135,482,161	71,485,427	68,342
Sulphuric, nitric, and mixed acids...	39	4,961	51,160,004	7,916,531	15,857,361	31,470,480	15,613,119	30,637
Cleansing and polishing preparations...	499	1,955	12,979,414	1,898,447	12,923,518	26,703,109	13,779,591	4,520
Cleansing preparations...	281	892	6,354,297	854,524	6,807,201	13,207,574	6,490,373	2,918
Metal polish...	81	242	1,478,090	239,359	1,863,900	3,185,024	1,321,724	487
All other polishing preparations...	137	821	5,146,027	804,264	4,252,417	10,219,911	5,907,404	1,115
Coke, not including gas-house coke...	278	29,319	365,249,622	42,299,292	224,266,674	316,515,838	92,249,164	224,879
Bee-hive ovens...	222	13,766	137,906,875	16,238,770	78,155,895	112,023,466	33,807,571	39,781
By-product ovens...	56	15,553	227,342,747	26,060,522	46,110,779	204,492,372	58,381,593	186,118
Drugs, etc...	3,591	39,764	203,285,636	31,419,891	181,061,398	403,308,830	221,645,432	47,298
Drug grinding...	31	1,347	14,991,135	1,530,137	11,556,480	16,937,698	5,381,218	6,725
Druggists' preparations...	524	15,668	102,129,257	12,101,925	55,138,475	114,593,486	59,455,011	12,698
Patent medicines and compounds...	2,407	17,444	143,498,611	12,748,813	88,819,417	212,162,255	123,342,838	25,677
Patent and proprietary medicines...	1,724	13,788	114,152,017	10,713,842	67,301,862	109,486,104	102,124,242	16,797
Patent and proprietary compounds, not elsewhere specified...	743	3,656	29,346,594	3,034,971	21,457,555	42,676,151	21,218,596	8,880
Perfumery and cosmetics...	569	5,405	32,666,633	3,983,016	26,147,026	60,613,391	33,466,365	2,198
Dyestuffs and extracts—natural...	144	4,342	38,689,058	4,734,614	34,592,698	53,744,283	19,151,585	34,320
Explosives...	118	9,249	133,247,684	12,504,986	45,911,049	92,474,813	46,563,764	51,635
Fertilizers...	600	26,286	311,633,269	25,363,132	185,040,522	281,143,587	96,103,065	125,939
Gas, illuminating and heating...	1,022	42,008	1,405,656,265	52,758,628	157,550,882	329,278,908	171,728,026	238,467
Glue, not elsewhere specified...	62	4,264	27,237,123	4,776,724	10,279,905	32,134,067	12,854,162	16,979
Glue...	52	3,056	20,530,337	3,150,721	14,593,448	23,463,078	8,860,631	14,254
All other products...	10	1,208	6,706,786	1,626,003	4,080,457	8,070,988	3,984,531	2,725
Greases...	555	7,119	42,002,730	8,524,308	52,503,842	70,133,978	23,570,136	27,782
Grease and tallow, not including lubricating greases...	482	6,647	37,360,094	7,954,378	47,756,341	67,265,206	19,508,865	25,584
Soap stock...	233	2,971	13,750,788	3,518,656	9,572,291	17,390,009	7,817,718	10,517
Tallow...	196	2,863	18,907,689	3,472,574	32,468,136	41,905,267	9,437,131	10,933
All other...	53	813	4,701,617	968,148	5,715,014	7,903,030	2,254,016	4,207
Lubricating greases...	53	472	5,242,636	509,925	4,807,501	8,868,772	4,061,271	2,178
Ink, printing...	90	1,988	18,702,523	2,574,920	14,661,115	26,244,470	11,583,355	10,353
Ink, writing...	61	702	4,803,485	506,168	3,320,346	6,433,941	3,113,595	610
Oils...	1,095	35,190	375,266,355	30,199,820	718,943,835	864,060,955	145,117,120	340,165
Cottonseed and cake...	711	26,766	203,457,371	20,815,193	495,192,294	581,244,798	86,052,504	200,538
Essential...	78	321	6,379,910	391,213	3,908,417	5,698,403	1,794,980	1,833
Linseed...	26	2,173	73,054,065	3,052,269	100,577,538	120,688,100	20,000,502	17,621
Not elsewhere specified ¹ ...	280	5,930	91,475,009	6,141,145	110,270,586	156,470,654	37,209,068	30,076
Vegetable...	68	2,802	38,816,696	2,440,123	64,731,546	80,639,042	15,907,496	15,250
Animal...	46	891	12,594,143	1,066,674	9,432,210	12,995,184	3,682,974	9,595
Mineral...	39	240	4,697,246	227,171	5,605,156	7,515,091	1,910,835	1,573
Composite...	127	1,997	35,366,924	2,407,177	39,501,074	55,329,437	15,827,763	3,667
Paints and varnish...	830	21,507	239,775,836	24,118,159	217,112,372	340,346,803	128,254,431	85,199
Paints...	601	17,435	177,313,815	19,550,371	165,604,116	256,714,379	91,110,263	73,702
Varnishes...	229	4,022	62,461,021	4,567,788	51,503,256	83,032,424	32,124,108	11,497
Petroleum, refining...	320	58,889	1,170,278,189	89,749,637	1,247,908,355	1,632,532,766	384,024,411	233,906
Salt...	86	6,495	47,725,231	7,353,420	16,027,701	37,513,821	21,486,030	43,137
Soap...	348	20,436	212,416,586	21,228,083	235,518,858	316,740,115	78,221,257	38,710
Turpentine and rosin...	1,191	28,067	33,595,986	10,972,881	13,929,888	53,051,204	39,121,406	2,303
Wood distillation...	115	4,946	42,334,503	5,308,689	20,059,051	32,545,314	12,485,603	15,938

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

CENSUS OF MANUFACTURES: 1919.

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TABLE 10.—STONE, CLAY, AND GLASS PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	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	\$1,085,528,926	\$678,958,104	1,569,719
Industries using stone as a material.....	7,891	89,723	522,390,372	104,287,566	151,883,848	432,118,382	250,234,534	783,142
Artificial stone products.....	2,785	8,378	29,646,743	9,310,899	13,913,317	33,604,332	10,751,015	22,221
Marble and stone work.....	4,240	32,768	112,568,533	38,354,822	49,524,341	120,164,653	79,640,312	170,132
Monuments and tombstones.....	3,256	13,307	54,949,879	17,312,451	31,275,562	73,361,219	42,085,657	51,328
Other marble and stone work, except slate.....	861	15,855	50,463,102	17,957,186	16,243,761	49,280,002	33,016,241	101,220
Roofing slate.....	71	2,558	5,021,999	2,145,233	1,301,615	4,420,847	3,119,232	10,078
Other slate products.....	52	1,048	2,133,553	939,952	703,403	2,122,585	1,419,182	6,906
Lime.....	476	11,405	45,844,532	10,860,196	14,296,025	33,970,463	10,673,538	51,735
Cement.....	123	25,524	271,269,259	33,194,920	79,500,800	175,264,910	95,755,110	488,808
Wall plaster and composition flooring.....	161	5,123	25,307,049	5,833,617	11,821,465	26,874,657	15,053,192	32,356
Emery and other abrasive wheels.....	60	5,601	34,802,542	5,878,748	12,225,187	30,949,270	18,721,083	12,963
Grindstones.....	23	674	2,045,469	598,631	243,853	1,369,423	1,125,570	3,631
Millstones.....	12	38	58,905	43,732	25,509	66,396	41,387	132
Hones and whetstones.....	11	212	847,340	203,001	320,451	783,778	473,327	1,164
Industries using clay as a material.....	3,465	122,337	496,730,051	127,771,300	109,050,239	342,252,365	233,202,129	569,709
Brick and tile, terra-cotta and fire-clay products.....	2,414	76,015	355,848,355	78,256,085	67,488,113	208,422,920	140,934,807	405,746
Building brick.....	1,454	35,984	158,462,633	37,728,569	27,531,794	95,160,990	67,329,196	222,688
Fire brick.....	104	13,678	60,048,068	13,222,078	13,361,252	36,183,815	22,822,563	49,3,3
Stovelinining.....	19	361	965,420	333,654	366,090	1,094,710	728,620	1,021
Sewer pipe and drain tile.....	478	10,263	44,093,643	10,506,264	9,608,359	27,732,324	18,123,985	55,191
Terra-cotta products.....	214	11,073	56,430,447	11,648,762	8,209,113	29,081,405	20,872,292	50,098
Silica, magnesite, and bauxite bricks and shapes.....	39	4,523	28,898,031	4,562,036	7,207,804	15,853,257	8,045,453	19,338
All other.....	16	1,033	8,050,113	1,254,722	903,721	3,316,419	2,412,698	5,047
Sand-lime brick.....	32	504	2,220,769	501,854	575,402	1,663,062	1,087,650	4,358
Pottery.....	340	27,934	66,757,970	29,820,278	20,794,076	74,919,186	54,125,110	29,090
China ware.....	161	23,733	53,849,247	25,673,406	17,559,429	63,037,078	45,477,049	20,972
Earthen and stone ware.....	147	2,803	8,826,873	2,787,140	2,041,088	7,994,533	5,958,445	6,669
All other.....	32	1,308	4,031,848	1,359,732	1,103,559	3,887,575	2,694,016	1,449
China decorating, not including that done in potteries.....	43	244	470,153	244,211	310,755	866,762	555,977	43
Decalcomania work on china.....	9	39	110,042	31,816	63,386	149,495	88,129	7
All other.....	34	205	359,511	212,395	247,419	717,267	469,843	38
Crucibles.....	22	848	8,069,334	923,287	2,283,072	5,293,088	3,060,016	2,714
Graphite crucibles.....	6	239	2,997,527	257,119	1,045,718	2,140,236	1,100,518	608
Clay crucibles.....	10	237	4,081,174	265,461	888,187	2,127,969	1,239,782	1,001
Glass-house pots.....	6	372	990,638	400,707	299,167	1,019,483	720,316	1,105
Minerals and earths, ground or otherwise treated.....	410	14,426	60,208,617	16,309,518	16,270,251	46,067,239	29,790,088	127,074
Statuary and art goods.....	195	1,466	3,145,853	1,716,067	1,378,540	5,019,521	3,640,981	684
Glass and manufactures of glass.....	1,173	88,599	243,091,146	98,600,596	117,636,735	311,158,176	193,521,441	216,668
Glass.....	371	77,520	215,680,436	87,526,625	90,780,124	261,884,080	171,103,956	207,430
Glass, cutting, staining, and ornamenting.....	616	6,480	18,058,650	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	907,690	524,589	173
All other.....	594	6,071	17,415,826	5,920,221	13,974,777	27,635,031	13,500,354	4,937
Mirrors, framed and unframed.....	186	2,599	9,322,060	2,819,140	12,498,733	20,830,775	8,332,042	4,328

CENSUS OF MANUFACTURES: 1919.

TABLE 11.—METALS AND METAL PRODUCTS OTHER THAN IRON AND STEEL: 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.....	10,667	339,469	\$1,796,669,418	\$394,627,827	\$1,910,034,508	\$2,760,293,568	\$850,259,062	988,688
Metals.....	1,521	120,706	934,258,673	157,667,347	1,306,470,741	1,636,326,909	328,856,168	747,926
Babbitt metal and solder.....	118	2,372	24,383,342	2,882,128	48,844,269	59,016,983	10,172,714	6,022
Babbitt metal.....	54	1,308	15,498,154	1,703,690	27,337,026	33,382,900	6,045,874	4,065
White metal.....	21	317	3,977,918	394,900	10,908,867	12,841,442	1,934,575	887
Type metal.....	7	27	218,348	22,713	445,455	625,453	178,998	21
Solder.....	36	720	4,688,922	757,825	10,154,921	12,168,188	2,013,267	1,049
Brass, bronze, and copper products.....	1,092	75,051	325,299,738	94,132,118	304,823,580	482,312,790	177,489,210	265,088
Brass and bronze.....	1,007	63,795	270,637,860	79,567,785	234,945,137	389,550,094	154,604,957	201,494
Copper.....	47	9,224	43,059,485	12,084,924	60,192,325	78,338,948	18,146,623	53,157
All other.....	38	2,032	11,002,393	2,479,409	9,086,118	14,423,748	4,737,630	11,037
Gold and silver, reducing and refining, not from the ore.....	87	644	9,757,415	\$43,608	49,736,978	55,483,215	5,748,237	3,279
Lead, bar, pipe, and sheet.....	32	852	9,419,730	1,066,941	13,634,120	17,174,281	3,540,161	5,537
Smelting and refining.....	192	41,787	505,498,448	58,742,552	889,431,794	1,022,330,640	132,907,840	487,400
Copper.....	34	17,345	308,680,268	25,723,371	584,410,173	651,101,591	66,691,418	321,610
Smelting only.....	21	7,019	171,825,621	12,258,730	156,055,188	186,670,898	30,615,730	173,996
Smelting and refining ¹	13	9,426	136,854,647	13,464,641	428,355,005	464,430,893	36,075,088	147,614
Lead.....	25	8,438	115,676,768	8,179,815	170,273,646	196,704,519	17,420,872	52,565
Smelting only.....	18	4,839	57,992,570	6,646,469	62,916,963	74,952,572	12,035,609	42,372
Smelting and refining ¹	7	1,599	57,684,189	2,633,146	116,456,823	121,841,047	5,385,264	10,193
Zinc.....	39	13,790	98,757,355	17,783,278	70,014,728	104,122,038	34,108,210	73,804
Pigs, bars, plates, and sheets.....	33	12,928	87,770,508	16,135,100	63,004,885	95,662,685	32,057,700	66,540
All other.....	6	868	10,983,847	1,648,178	6,409,843	8,460,353	2,050,510	7,064
Metals, not elsewhere specified ²	13	2,041	20,227,544	2,963,148	14,957,367	20,074,504	5,117,137	11,700
Not from the ore.....	81	2,167	22,156,513	3,093,140	40,675,880	50,240,088	9,570,208	7,921
Metal products.....	8,579	214,074	853,801,301	230,918,922	590,392,229	1,099,101,360	508,709,131	232,053
Aluminum manufactures.....	83	11,402	48,490,364	13,327,300	49,271,861	75,277,948	28,006,087	30,280
Ingots, plates and sheets.....	7	684	2,072,960	821,659	4,938,378	6,562,220	1,623,842	2,617
Ware.....	39	7,821	29,052,635	8,554,543	33,174,047	50,477,473	17,303,428	20,823
All other.....	37	2,897	17,364,789	3,951,104	11,159,436	18,238,255	7,078,819	6,840
Bells.....	10	237	1,004,743	205,110	450,149	950,056	500,807	783
Clocks.....	46	8,252	18,349,943	7,861,611	7,177,813	23,380,190	16,202,377	6,952
Watches.....	18	15,888	49,000,742	16,598,896	6,392,582	32,044,299	25,651,737	7,202
Watches.....	7	8,809	25,904,237	8,798,220	4,316,230	20,088,174	15,771,944	4,190
Watch movements.....	11	7,079	23,096,505	6,800,676	2,078,332	11,956,125	9,879,703	3,003
Watch and clock materials, except watch cases.....	27	582	1,020,628	412,820	549,521	1,341,897	792,176	252
Watch materials.....	21	485	804,614	334,801	471,241	1,119,951	648,710	181
Clock materials.....	6	97	216,014	78,019	78,280	221,746	143,466	71
Watch cases.....	33	3,900	21,790,556	4,000,727	8,205,754	19,618,773	11,413,019	4,275
Copper, tin, and sheet-iron work.....	4,796	27,640	89,944,834	33,886,823	80,898,528	160,313,945	79,415,417	24,144
Tinware, not elsewhere specified.....	301	34,386	198,336,695	34,493,399	183,170,736	233,982,000	65,793,264	30,499
Stamped and enameled ware, not elsewhere specified.....	323	34,248	132,222,094	34,851,311	65,456,652	143,653,877	78,197,225	51,441
Stamped ware.....	279	23,895	90,098,314	23,876,506	40,104,388	101,094,308	54,989,920	32,402
Enameled ware.....	35	9,198	38,364,597	9,670,172	17,195,806	37,630,584	20,440,778	14,934
Bathtubs.....	5	664	2,209,116	903,607	1,316,944	2,955,053	1,639,009	2,340
Lavatories and sinks.....	4	493	1,550,067	602,026	839,514	1,967,032	1,127,518	1,765
Gas and electric fixtures.....	341	9,795	36,872,737	9,802,380	20,258,538	42,287,553	22,009,415	9,910
Gas fixtures.....	57	2,609	9,783,469	1,906,146	5,717,297	9,495,536	3,778,238	1,709
Electric fixtures.....	187	4,326	13,544,453	4,710,642	8,708,785	20,337,975	11,629,190	4,520
Combination gas and electric fixtures.....	71	2,351	11,511,498	2,660,085	4,787,308	10,197,340	5,410,032	2,995
All other.....	26	509	2,033,317	625,507	1,045,148	2,237,103	1,101,955	626
Lamps and reflectors.....	171	8,360	26,099,941	9,292,497	18,420,033	38,098,917	19,609,884	12,708
Automobile lamps.....	35	3,194	10,320,628	4,061,477	8,227,316	16,661,539	8,434,223	7,516
All other lamps.....	122	4,851	14,704,325	4,903,002	9,697,554	20,277,920	10,580,366	4,751
Reflectors.....	14	315	1,074,988	328,018	504,183	1,159,458	656,295	441
Needles, pins, and hooks and eyes.....	92	9,294	26,324,627	8,809,781	10,227,199	29,304,995	10,077,796	8,467
Gold and silver, leaf and foil.....	87	950	1,571,557	983,600	2,655,335	4,461,568	1,806,233	408
Jewelry.....	2,054	30,871	121,070,305	35,863,718	110,450,083	203,989,230	93,488,547	16,389
Pens, gold.....	15	416	397,954	517,128	962,410	1,801,460	839,050	160
Silversmithing and silverware.....	99	6,453	34,465,322	7,359,409	13,060,929	29,126,133	16,065,204	6,040
Plated ware.....	68	9,402	34,789,823	10,913,091	17,708,536	41,034,585	23,808,049	14,252
Knives, forks, spoons, and other flat ware.....	18	6,366	23,805,824	7,507,847	13,764,572	30,962,906	17,188,334	10,000
Hollow ware.....	30	2,297	6,113,191	2,511,574	2,812,978	7,713,976	4,900,998	3,085
All other.....	20	829	4,870,808	893,650	1,188,986	2,957,703	1,768,717	1,167
Tin and other foils, not elsewhere specified.....	15	1,903	11,998,436	1,769,320	13,007,990	17,920,834	4,912,844	6,991
Tin foil.....	12	1,903	11,998,158	1,756,320	13,006,826	17,912,486	4,905,660	6,090
Aluminum and other.....	3	5	5,278	3,000	1,104	8,348	7,184	1
Related industries.....	567	4,689	8,509,444	6,041,558	13,171,536	24,865,299	11,693,763	8,709
Electroplating.....	515	3,024	4,192,980	3,793,605	2,639,248	10,389,617	7,750,369	7,078
Galvanizing and other coating processes.....	52	1,865	4,316,455	2,247,953	10,532,288	14,475,682	3,943,394	1,631

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.

CENSUS OF MANUFACTURES: 1919.

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TABLE 12.—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	\$804,830,572	\$123,988,084	\$483,587,754	\$1,012,933,213	\$529,365,459	43,397
Tobacco, chewing and smoking, and snuff	365	18,324	188,444,100	12,674,738	130,270,388	230,270,718	109,000,330	18,893
Chewing.....	85	8,370	60,564,480	5,740,522	52,051,801	98,955,494	44,903,683	8,700
Smoking.....	199	8,520	98,539,030	5,705,259	65,648,173	119,282,473	52,634,300	7,361
Snuff.....	34	1,328	28,664,549	1,080,052	10,011,200	21,127,018	11,116,718	4,068
All other.....	47	97	676,052	88,903	1,650,214	1,904,833	345,619	764
Tobacco, cigars, and cigarettes.....	9,926	158,773	416,395,472	111,313,348	353,207,366	773,602,495	420,365,120	24,504
Cigars.....	9,778	114,290	220,708,832	80,418,318	158,815,218	383,398,074	201,580,556	10,851
Cigarettes.....	135	22,642	191,173,339	19,791,560	181,300,000	370,125,710	187,816,710	12,828
Cigars and cigarettes.....	13	1,832	4,513,301	1,100,480	13,173,148	34,140,711	20,907,563	825

TABLE 13.—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.....	21,152	495,939	\$2,423,239,470	\$689,475,462	\$2,498,225,514	\$4,058,911,515	\$1,560,066,001	880,466
Automobiles.....	315	210,550	1,810,451,400	312,165,870	1,578,651,574	2,387,903,287	809,251,713	287,323
Automobile bodies and parts.....	2,515	132,556	470,497,552	178,955,503	382,027,302	692,170,692	330,143,390	250,010
Automobile repairing.....	15,507	55,081	141,123,054	71,613,471	87,618,853	224,652,159	137,003,306	82,601
Carriages and wagons, including repairs.....	2,286	18,173	78,952,868	19,393,305	48,382,456	91,463,225	42,100,769	40,866
Carriages and wagons.....	1,130	15,710	71,701,995	18,408,039	44,912,172	82,013,320	37,101,154	31,886
Repair work only.....	1,156	2,454	7,251,773	2,925,356	3,460,284	9,449,899	5,999,615	6,300
Carriage and wagon materials.....	258	6,500	17,971,206	5,600,771	14,734,673	26,765,318	12,030,643	23,700
Cars, steam-railroad, not including operations of railroad companies.....	90	52,298	335,207,363	78,284,647	356,084,545	538,222,831	182,138,280	137,865
Cars, electric-railroad, not including operations of railroad companies.....	7	2,920	17,308,485	4,132,090	12,058,942	18,441,976	6,383,084	9,390
Motorcycles, bicycles, and parts.....	51	10,888	35,362,150	12,763,285	25,985,915	53,105,895	27,119,880	14,806
Carriages and sleds, children's.....	103	8,688	15,215,425	6,229,038	11,700,158	24,506,598	12,806,438	6,071
Wheelbarrows.....	11	201	1,151,067	271,442	971,096	1,679,538	708,442	765

TABLE 14.—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	515,709	\$770,844,315	\$726,690,466	\$547,828,694	\$1,354,446,094	\$806,617,400	648,345
Steam-railroad repair shops.....	1,744	484,437	694,280,410	687,817,312	515,803,210	1,279,235,393	763,432,183	594,515
Electric-railroad repair shops.....	624	31,272	\$2,557,005	39,078,154	32,025,484	75,210,701	43,185,217	53,830

CENSUS OF MANUFACTURES: 1919.

TABLE 15.—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	\$5,295,376,953	\$1,537,110,071	\$2,867,686,969	\$6,180,255,709	\$3,312,588,740	2,831,253
Aeroplanes, seaplanes, airships, and parts.....	31	3,543	17,753,875	4,906,740	7,126,965	14,372,043	7,245,678	12,512
Agricultural implements.....	521	54,368	366,962,052	66,704,434	144,571,943	304,961,205	160,389,322	128,219
Ammunition.....	42	22,816	94,558,043	23,587,602	38,101,602	88,038,223	49,936,621	39,128
Artificial flowers.....	224	4,138	6,675,418	3,740,911	7,004,646	16,143,165	9,138,519	468
Artificial limbs.....	177	671	2,231,416	794,525	774,447	3,271,406	2,406,959	857
Artists' materials.....	58	926	4,663,790	895,764	2,687,226	5,507,656	2,820,430	3,206
Crayons.....	20	414	1,687,280	347,488	733,770	1,741,950	1,008,171	1,132
All other.....	38	512	2,978,510	548,270	1,953,447	3,705,706	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	4,456,087	1,580,294	2,640,580	5,835,203	2,988,623	2,591
Textile mill products.....	16	1,993	9,450,303	1,695,991	3,072,428	15,456,243	6,783,814	5,577
All other.....	18	478	2,498,379	445,689	1,028,693	2,886,111	1,257,418	1,489
Beltng and hose, rubber.....	15	5,826	45,919,588	6,073,539	18,310,401	34,210,540	15,900,139	26,299
Rubber belting.....	8	2,368	19,900,767	2,374,302	7,316,014	13,148,623	5,832,609	11,691
Rubber hose.....	7	3,458	26,018,801	3,699,237	10,994,387	21,031,917	10,067,530	14,608
Boots and shoes, rubber.....	25	32,875	131,513,436	30,882,722	50,346,880	116,917,434	66,570,554	49,400
Brooms.....	1,034	6,313	16,707,682	5,708,885	17,365,109	30,205,267	12,840,158	6,062
From broom corn.....	1,000	6,197	16,382,347	5,599,564	17,148,308	29,709,839	12,561,531	5,907
All other.....	34	116	325,335	109,321	216,801	495,428	278,627	155
Brushes.....	379	7,968	27,208,200	7,113,201	19,598,133	39,005,607	19,407,474	7,384
Toilet.....	44	1,854	5,602,115	1,556,967	3,487,494	7,936,001	4,448,507	1,395
Paint and varnish.....	44	2,150	7,699,668	2,064,081	5,942,610	11,171,342	5,228,723	1,582
All other.....	261	3,904	13,906,417	3,492,153	10,168,020	19,898,264	9,730,244	4,407
Buttons.....	557	15,577	29,977,973	13,772,599	16,745,357	41,840,459	25,095,102	16,201
Combs and hairpins, except those made from metal or rubber.....	45	2,229	3,913,266	1,809,453	3,168,818	6,566,365	3,397,547	1,600
Dairymen's, poultrymen's, and apiarists' supplies.....	244	6,437	36,095,331	7,078,433	18,526,743	37,397,448	18,870,705	11,750
Incubators and brooders.....	48	782	3,164,680	663,665	1,928,645	3,931,773	2,003,128	1,314
All other poultrymen's supplies.....	60	280	1,146,657	254,895	1,141,045	1,935,428	794,383	806
Cream separators.....	19	3,345	20,360,176	4,142,810	5,531,911	16,436,920	9,905,009	5,479
All other dairymen's supplies.....	90	1,545	8,692,776	1,571,614	6,904,488	11,916,177	4,951,689	2,493
Apiarists' supplies.....	27	485	2,731,036	445,449	1,900,054	3,177,150	1,216,496	1,604
Dental goods.....	319	5,224	17,901,790	4,463,840	10,420,429	29,401,896	12,981,407	2,716
Teeth.....	52	3,134	11,447,203	2,306,714	3,870,258	10,737,566	6,897,308	1,325
All other.....	267	2,090	6,457,587	2,157,126	12,550,171	18,684,330	6,114,159	1,391
Electrical machinery, apparatus, and supplies.....	1,404	212,374	857,855,496	238,188,852	425,098,211	997,968,119	572,880,908	438,839
Enameling.....	74	694	2,083,474	790,308	949,556	2,644,763	1,095,207	1,183
Engravers' materials.....	21	174	826,166	212,171	1,484,269	2,248,122	763,853	759
Fancy articles, not elsewhere specified.....	661	13,961	32,824,988	12,207,913	32,591,073	64,054,481	31,403,408	8,982
Beadwork.....	37	400	669,187	518,272	975,459	1,935,489	980,030	855
Celluloid novelties.....	68	2,941	6,062,190	2,685,656	7,439,552	13,006,140	5,566,588	2,953
Metal novelties.....	110	2,587	7,988,024	2,282,457	5,420,000	12,326,350	6,895,744	2,980
Paper novelties.....	63	1,197	2,580,056	819,976	1,704,260	4,201,038	2,498,778	500
Wood novelties.....	30	200	276,472	150,818	149,273	455,338	309,056	510
All other.....	355	6,656	15,251,059	5,750,734	10,892,923	32,128,126	15,235,203	2,014
Feathers and plumes.....	216	3,504	6,514,806	3,405,765	6,694,596	15,377,953	8,683,357	591
Fire extinguishers, chemical.....	32	777	3,770,785	751,119	2,693,416	5,563,180	2,839,764	855
Fireworks.....	57	1,222	3,546,943	994,851	2,108,156	4,628,084	2,521,828	1,005
Foundry supplies.....	76	905	7,501,631	1,022,029	5,667,236	9,054,676	4,287,440	6,328
Fuel, manufactured.....	11	171	2,908,130	221,515	1,386,394	1,973,877	587,483	5,180
Fur goods.....	1,815	13,639	80,700,925	24,149,212	105,596,605	173,137,739	67,541,134	5,327
Furs, dressed.....	141	5,075	8,367,403	7,098,286	6,338,835	20,381,569	14,015,734	5,021
Graphite, ground and refined.....	24	497	4,302,783	434,317	1,092,684	2,239,587	1,116,903	7,445
Hair work.....	198	1,084	3,580,546	1,064,630	3,829,197	6,983,033	3,133,836	110
Hand stamps.....	298	1,719	4,249,546	1,832,581	2,634,426	7,738,773	5,104,347	1,474
Hats, straw.....	148	7,302	18,560,183	6,604,033	16,910,408	32,187,361	15,276,953	3,392
Ice, manufactured.....	2,867	30,247	270,722,786	34,001,837	42,877,509	137,004,798	94,127,280	572,070
Instruments, professional and scientific.....	351	15,931	51,570,479	17,499,858	19,491,634	58,133,601	38,612,057	13,020
Medical and surgical.....	127	3,771	10,680,874	3,798,640	3,983,739	12,101,245	8,117,456	2,628
Optical.....	13	639	1,225,708	629,178	590,505	1,834,497	1,243,992	1,312
All other.....	211	11,521	30,657,897	13,072,070	14,920,340	44,200,910	29,280,600	9,080
Ivory, shell, and bone work, not including combs and hair-pins.....	44	842	1,365,784	734,932	1,293,876	2,816,530	1,522,654	954
Japanning.....	36	295	461,561	260,640	221,901	771,143	510,242	311
Jewelry and instrument cases.....	142	2,731	3,037,104	2,147,618	3,505,840	8,126,300	4,620,460	1,001
Lapidary work.....	124	1,155	19,209,027	2,837,811	19,363,004	30,051,460	10,688,456	680
Mattresses and spring beds, not elsewhere specified.....	1,011	12,637	46,212,858	12,805,351	49,208,560	83,952,609	34,744,049	23,469
Models and patterns, not including paper patterns.....	928	6,949	11,753,992	10,318,101	6,395,834	25,300,389	18,904,555	13,869
Mucilage, paste, and other adhesives, not elsewhere specified.....	127	803	7,133,137	850,382	7,002,728	11,230,253	4,137,525	3,242
Mucilage and paste.....	48	301	2,915,439	364,148	3,035,076	4,795,912	1,760,836	1,028
All other.....	79	502	4,217,698	486,234	4,057,652	6,434,341	2,376,080	2,214
Musical instruments and materials, not specified.....	240	4,113	7,576,182	3,984,658	4,444,729	12,506,334	8,061,605	3,286
Musical instruments, organs.....	68	1,941	6,770,587	1,978,518	2,217,097	5,973,268	3,756,171	3,251
Musical instruments, pianos.....	191	22,957	116,106,536	25,474,200	54,364,656	107,038,050	52,723,304	28,732
Musical instruments, piano and organ materials.....	113	11,008	32,323,669	10,467,137	16,693,110	36,789,627	20,096,487	15,821
Piano materials.....	97	10,769	31,769,015	10,231,122	16,329,129	35,986,944	19,627,815	15,519
Organ materials.....	16	240	554,624	236,015	364,011	832,638	468,072	302

CENSUS OF MANUFACTURES: 1919.

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TABLE 15.—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	\$37,739,004	\$14,388,207	\$17,785,083	\$53,717,798	\$35,932,715	15,710
Paving materials.....	889	16,072	67,421,242	17,100,154	16,019,811	45,740,606	29,720,795	191,543
Pencils, lead.....	12	5,970	29,641,044	5,299,050	9,073,563	24,134,150	15,060,596	8,099
Pens, fountain and stylographic.....	66	3,207	9,725,362	2,980,663	5,811,419	15,696,808	10,182,389	1,517
Phonographs and graphophones.....	166	28,721	105,241,359	33,903,148	59,740,205	158,647,870	98,807,065	40,168
Photographic apparatus.....	68	2,555	7,264,031	2,642,957	3,584,380	9,344,050	5,799,070	2,321
Cameras.....	12	842	1,928,765	770,541	1,189,203	2,099,608	1,810,405	652
Motion-picture machines.....	18	858	2,417,233	1,070,690	1,145,181	3,431,749	2,286,568	1,105
All other apparatus and parts.....	38	855	2,018,033	705,717	1,249,096	2,952,603	1,702,097	564
Photographic materials.....	109	14,556	87,204,707	18,065,941	49,801,747	115,714,179	65,912,432	26,458
Motion-picture films, not exposed.....	15	9,652	44,448,042	11,119,388	25,917,013	71,245,901	45,328,378	20,261
Motion-picture projection films.....	50	3,616	37,254,232	6,708,661	19,571,410	35,705,207	17,125,788	4,169
All other.....	104	1,258	5,501,533	1,137,892	4,304,715	7,702,981	3,458,266	2,028
Pipes, tobacco.....	56	2,539	7,634,062	- 2,555,291	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	524,444	128,497	833
Roofing materials.....	178	8,871	57,069,224	10,344,043	52,587,777	85,895,350	33,307,582	39,327
Metal shingles and ceiling.....	29	455	2,632,358	541,741	1,532,139	2,749,850	1,217,720	861
All other.....	149	8,416	54,430,886	9,802,302	51,055,638	83,143,500	32,089,802	38,466
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	437	119,848	782,637,722	156,800,828	525,086,300	987,088,045	461,401,736	354,188
Sand and emery paper and cloth.....	12	771	9,057,698	840,766	5,000,561	9,303,734	4,243,173	3,977
Shipbuilding, steel.....	102	344,014	1,268,640,254	538,372,576	643,752,814	1,450,489,516	812,730,702	475,567
New vessels.....	105	321,787	1,210,558,980	500,086,706	618,902,750	1,364,294,032	745,301,273	441,056
Concrete vessels.....	5	2,277	5,111,408	3,100,882	3,158,032	8,890,280	3,735,248	1,985
Repair work only.....	45	19,736	52,317,371	34,934,721	21,290,717	84,424,665	63,133,948	32,183
Small boats.....	7	214	652,496	250,207	401,306	874,539	473,233	343
Shipbuilding, wooden, including boat building.....	913	43,432	120,807,586	59,074,072	66,709,862	165,871,745	90,101,883	78,144
New vessels.....	315	34,122	93,372,049	45,872,982	56,898,161	133,303,335	76,405,174	59,503
Repair work only.....	277	7,730	22,084,471	11,286,405	7,203,565	26,549,156	19,255,591	14,675
Small boats.....	204	1,450	4,702,460	1,750,238	2,187,418	5,197,882	3,010,204	3,370
Masts, spars, oars, and the rigging of vessels.....	27	130	558,586	104,447	390,718	821,572	430,854	506
Signs and advertising novelties.....	779	10,432	29,249,133	9,715,216	16,071,924	43,343,093	27,271,160	7,730
Electric signs.....	65	1,031	3,968,893	1,323,074	2,107,883	4,694,802	2,586,919	531
Other signs.....	544	3,212	7,531,795	3,565,025	4,308,400	12,909,809	8,541,409	3,016
Advertising novelties.....	170	6,180	17,748,445	4,827,117	9,595,641	20,738,182	16,142,841	4,183
Soda-water apparatus.....	66	2,509	14,711,872	3,232,398	6,020,868	15,185,370	8,558,502	4,146
Sporting and athletic goods.....	188	6,412	19,951,458	5,732,963	11,909,388	23,839,991	11,870,003	6,875
Stationery goods, not elsewhere specified.....	223	11,261	38,700,909	9,577,867	28,160,230	58,383,244	30,203,005	8,342
Penholders.....	5	101	124,429	60,174	54,903	167,554	112,561	37
All other.....	218	11,160	36,576,480	9,517,093	28,105,240	58,195,090	30,090,444	8,305
Steam packing.....	109	6,147	36,934,402	7,103,275	22,724,581	40,524,779	17,800,218	26,703
Stencils and brands.....	54	417	1,111,338	428,706	514,241	1,597,785	1,083,644	374
Surgical appliances.....	268	6,390	33,063,371	6,084,143	22,213,621	43,633,890	21,320,290	12,387
Theatrical scenery.....	17	149	572,878	237,003	504,655	1,067,033	562,378	104
Toys and games.....	541	14,201	27,738,500	11,847,277	19,841,498	45,650,803	25,815,305	14,449
Umbrellas and canes.....	198	3,368	15,307,275	3,130,662	15,632,989	25,308,826	9,675,837	3,383
Washing machines and clothes wringers.....	105	5,950	25,980,355	6,431,378	23,388,925	40,771,285	17,382,300	8,836
Whips.....	20	717	2,461,021	582,230	1,006,642	2,080,285	1,889,043	853
Windmills.....	31	1,932	10,001,883	2,145,301	4,960,420	9,932,585	4,972,159	4,761
Window shades and fixtures.....	287	4,411	18,698,914	3,069,286	18,249,510	29,190,049	10,941,109	8,948
All other industries ¹	5	99	181,358	89,798	190,589	361,481	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.

CENSUS OF MANUFACTURES: 1919.

TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914.

NOTE.—The figures for some industries do not represent the total production, because important establishments that manufacture the same class of products may be included in other industries. (See Explanation of terms, p. 2.) Primary horsepower includes power generated in manufacturing establishments plus electric and other power rented from outside sources; it does not include electric power generated by primary units of the establishments reporting.

INDUSTRY.	Census year.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacturer.	Primary horse- power.
All industries.....	1919	290,105	9,066,372	\$44,466,593,771	\$10,533,400,340	\$37,376,380,283	\$62,418,078,773	\$25,041,698,490	29,504,792
	1914	275,791	7,036,247	22,790,979,837	4,078,332,433	14,368,088,831	24,246,434,724	9,878,345,893	22,487,072
Aeroplanes, seaplanes, and airships, and parts.....	1919	31	3,543	17,753,875	4,908,740	7,126,965	14,372,643	7,245,078	12,512
	1914	16	168	101,301	134,827	133,080	789,872	655,033	195
Agricultural implements.....	1919	521	54,368	366,962,052	66,704,434	144,571,943	304,961,265	180,389,322	128,240
	1914	601	48,459	338,531,873	34,593,325	78,508,045	164,086,835	90,578,190	121,428
Aluminum manufactures.....	1919	83	11,402	48,490,364	13,327,306	49,271,861	75,277,948	26,006,087	30,280
	1914	37	4,614	11,087,673	2,611,251	14,421,319	19,507,405	5,176,146	12,338
Ammunition.....	1919	42	22,816	94,558,043	23,587,692	38,101,602	88,038,223	49,936,021	39,128
	1914	32	11,493	37,454,175	6,750,986	16,276,575	30,840,472	14,563,897	11,864
Artificial flowers.....	1919	224	4,138	6,675,418	3,740,911	7,004,616	10,143,165	9,128,510	468
	1914	217	4,808	3,348,613	1,990,768	3,206,908	7,011,010	4,407,181	237
Artificial limbs.....	1919	177	671	2,231,416	794,525	774,447	3,271,406	2,406,050	867
	1914	153	488	1,002,871	369,289	315,762	1,498,154	1,182,302	589
Artificial stone products.....	1919	2,785	8,378	29,046,743	9,310,899	13,913,317	33,661,332	19,751,015	22,221
	1914	3,648	10,255	19,414,473	6,307,752	8,903,030	21,933,630	13,030,600	20,320
Artists' materials.....	1919	58	926	4,663,790	895,764	2,087,226	5,507,056	2,820,430	3,206
	1914	44	604	2,947,316	314,504	2,004,716	3,237,729	1,173,013	1,977
Asbestos products, not including steam packing.....	1919	46	3,854	16,404,739	3,731,974	12,947,702	23,977,557	11,029,855	9,057
	1914	32	982	3,519,788	483,736	1,360,185	2,813,578	1,453,393	2,877
Automobile bodies and parts.....	1919	2,515	132,556	470,497,552	178,955,503	362,027,302	692,170,092	330,143,390	256,919
	1914	971	47,785	94,854,031	34,992,515	63,610,365	120,601,337	65,990,072	68,701
Automobile repairing.....	1919	15,607	55,031	141,123,954	71,613,471	87,648,853	224,652,169	137,003,306	82,691
	1914	8,273	12,562	17,098,052	10,613,093	9,153,817	20,920,151	20,760,334	16,380
Automobiles.....	1919	315	210,559	1,310,451,400	312,165,870	1,578,051,574	2,387,003,287	800,251,713	287,323
	1914	300	79,307	312,875,884	66,934,369	292,597,565	503,230,137	210,032,572	101,983
Awnings, tents, and sails.....	1919	895	6,028	26,727,621	5,858,523	26,961,140	45,690,390	18,720,250	4,589
	1914	888	5,073	9,958,089	2,953,884	10,155,101	18,138,326	7,983,225	2,610
Babbitt metal and solder.....	1919	118	2,372	24,383,342	2,882,128	48,844,260	59,016,983	10,172,714	6,022
	1914	109	1,035	8,919,223	701,234	15,632,180	19,170,976	3,527,700	2,881
Bags, other than paper, not including bags made in textile mills.....	1919	216	10,756	79,042,143	7,760,582	178,017,560	214,059,474	38,041,014	9,082
	1914	138	9,558	30,878,474	3,788,837	67,021,376	70,040,151	12,027,775	10,392
Bags, paper, exclusive of those made in paper mills.....	1919	75	4,168	24,584,881	3,662,830	33,350,481	47,263,990	13,913,500	4,429
	1914	59	3,505	11,078,446	1,659,070	12,200,884	17,602,543	5,401,659	3,682
Baking powders and yeast.....	1919	88	3,331	43,486,136	3,554,534	26,635,420	46,230,312	19,504,883	20,071
	1914	124	2,270	35,271,592	1,241,316	10,894,844	22,330,347	11,444,503	7,882
Baskets, and rattan and willow ware.....	1919	375	4,533	7,195,394	3,369,086	4,904,241	11,821,107	6,016,926	6,319
	1914	419	4,574	4,500,515	1,022,965	2,000,285	6,578,408	3,579,183	2,983
Bells.....	1919	10	237	1,004,743	205,110	450,149	950,056	500,807	783
	1914	12	445	1,039,963	244,113	437,878	909,625	531,747	787
Belting and hose, rubber.....	1919	15	5,826	45,019,568	6,073,539	18,310,401	34,210,540	15,900,139	26,299
	1914	18	5,115	22,436,922	2,902,193	12,967,004	23,560,889	10,593,886	22,005
Belting and hose, woven, other than rubber.....	1919	41	2,479	17,348,974	2,202,188	11,642,011	19,176,277	7,534,206	5,338
	1914	31	952	4,848,170	450,503	2,868,801	4,410,775	1,571,744	2,766
Belting, leather.....	1919	172	2,765	27,583,890	3,260,439	28,156,711	40,480,654	12,323,013	7,039
	1914	151	2,951	20,138,522	2,068,545	15,480,110	23,035,951	7,555,841	7,411
Billiard tables, bowling alleys, and accessories.....	1919	49	2,101	7,040,990	2,425,353	6,100,852	15,733,017	9,632,195	5,322
	1914	54	1,453	5,438,006	984,517	2,488,261	4,804,081	2,405,820	3,213
Blacking, stains, and dressings.....	1919	220	2,455	18,080,001	2,109,103	14,041,840	25,284,072	11,242,232	2,400
	1914	197	1,766	4,985,740	877,434	5,128,614	9,881,594	4,752,980	2,686
Bluing.....	1919	57	380	1,227,610	285,063	1,542,054	2,731,277	1,188,323	423
	1914	66	254	712,377	104,853	489,431	1,184,045	601,614	220
Bone, carbon, and lamp black.....	1919	35	675	9,790,167	808,332	2,848,059	6,186,204	3,338,145	1,857
	1914	27	339	4,095,400	230,821	688,240	1,463,569	777,329	1,810
Bookbinding and blank-book making.....	1919	1,113	20,361	43,041,207	18,658,821	23,285,171	66,020,677	42,785,506	11,123
	1914	1,124	21,093	29,179,790	11,674,723	13,334,207	38,104,368	24,770,161	11,206
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories.....	1919	252	9,715	61,747,458	9,124,778	133,887,276	161,203,310	27,310,034	9,003
	1914	236	7,810	30,455,245	4,052,123	51,450,498	59,964,523	8,514,025	6,829
Boot and shoe findings, exclusive of those produced in boot and shoe factories.....	1919	427	8,941	28,988,416	8,187,196	40,428,347	62,825,408	22,397,061	10,082
	1914	369	6,714	12,562,804	3,225,683	20,304,183	28,303,186	7,900,003	5,898
Boots and shoes, not including rubber boots and shoes.....	1919	1,449	211,049	580,625,075	210,734,610	715,269,315	1,155,041,436	439,772,121	120,632
	1914	1,355	191,555	254,590,832	105,095,401	310,356,586	501,760,458	191,403,872	100,232
Boots and shoes, rubber.....	1919	25	32,875	181,513,436	30,882,722	50,346,880	116,917,434	66,570,554	49,400
	1914	23	18,687	46,051,404	9,980,454	23,958,086	53,822,123	20,860,087	24,621

CENSUS OF MANUFACTURES: 1919.

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TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.
[See note at head of this table, p. 16.]

INDUSTRY.	Census year.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Boxes, cigar.....	1919	180	5,218	\$6,611,944	\$3,512,236	\$6,330,540	\$13,110,213	\$6,773,673	5,059
	1914	238	5,835	5,270,193	2,295,842	4,269,486	8,336,907	4,067,421	5,350
Boxes, paper and other, not elsewhere specified.....	1919	1,201	55,862	131,390,783	43,325,554	101,135,292	206,419,843	105,284,051	54,955
	1914	1,043	45,311	60,027,412	18,704,790	36,368,370	74,711,047	38,442,077	38,179
Boxes, wooden packing, except cigar boxes.....	1919	1,140	42,445	108,932,998	36,811,185	102,046,285	177,818,454	74,872,219	144,048
	1914	1,174	38,543	66,693,856	18,206,067	52,839,647	86,566,807	33,727,160	126,805
Brass, bronze, and copper products.....	1919	1,092	75,051	325,290,738	94,132,118	304,823,580	482,912,790	177,489,210	205,688
	1914	992	40,306	116,092,882	25,084,281	115,486,708	162,199,019	46,712,251	122,700
Bread and other bakery products.....	1919	25,095	141,592	509,295,770	158,237,059	713,239,411	1,151,896,318	428,656,907	165,950
	1914	25,963	124,052	271,261,028	76,360,613	274,257,408	491,893,025	217,035,557	107,771
Brick and tile, terra-cotta, and fire-clay products.....	1919	2,414	76,915	355,848,355	78,250,085	67,488,113	208,422,920	140,934,807	405,746
	1914	3,230	100,182	279,860,012	54,007,418	42,723,178	135,921,445	93,198,267	442,813
Brooms.....	1919	1,034	6,313	16,707,682	5,708,885	17,365,109	30,205,267	12,840,158	6,062
	1914	863	5,042	8,705,808	2,624,108	7,883,613	14,084,959	6,201,346	4,504
Brushes.....	1919	379	7,968	27,208,200	7,113,201	19,598,133	39,005,007	19,407,474	7,384
	1914	350	7,213	14,332,768	3,461,271	9,326,655	17,884,476	8,667,821	6,388
Butter.....	1919	3,788	17,641	162,302,108	18,852,729	514,345,739	583,103,011	68,817,272	95,100
	1914	4,356	14,149	59,625,448	10,119,478	212,546,847	243,379,371	30,832,524	91,628
Butter, reworking.....	1919	5	47	602,902	56,492	2,005,769	2,229,035	223,266	343
	1914	17	304	1,397,487	199,515	5,058,93	5,800,300	810,356	1,349
Buttons.....	1919	557	15,577	29,977,973	13,772,599	10,745,35	41,840,450	25,095,102	16,201
	1914	517	14,511	19,075,374	6,424,390	8,702,20	21,711,979	12,008,779	14,398
Candles.....	1919	19	541	4,033,426	437,581	2,178,528	3,350,800	1,172,278	597
	1914	15	387	2,280,440	189,007	1,118,575	1,730,723	612,148	439
Canning and preserving, fish.....	1919	410	11,248	63,040,038	9,036,089	52,410,951	77,284,412	24,873,461	24,865
	1914	330	9,069	28,403,738	3,078,909	19,407,153	31,111,409	11,044,256	10,966
Canning and preserving, fruits and vegetables.....	1919	3,082	60,865	223,092,294	43,592,537	265,628,525	402,242,972	136,614,447	132,422
	1914	3,153	50,325	98,738,219	17,305,503	103,293,044	149,176,865	45,882,821	88,803
Canning and preserving, oysters.....	1919	66	1,189	2,971,876	468,930	1,582,838	2,976,011	1,393,173	1,025
	1914	65	2,087	2,070,607	423,697	1,225,208	2,238,053	1,012,847	1,805
Card cutting and designing.....	1919	75	1,148	2,297,970	958,877	2,208,389	5,323,349	3,024,960	743
	1914	58	517	706,293	204,895	420,738	1,054,904	634,168	449
Cardboard, not made in paper mills.....	1919	16	1,425	6,493,032	1,337,177	4,953,015	9,138,415	4,184,500	3,276
	1914	18	1,150	5,128,818	570,942	2,962,334	4,350,347	1,388,013	2,735
Carpets and rugs, other than rag.....	1919	75	22,933	119,196,461	24,216,121	67,118,039	123,253,828	56,135,759	38,170
	1914	97	31,309	85,153,828	14,715,615	42,280,223	69,128,185	26,847,962	43,903
Carpets, rag.....	1919	339	2,016	2,853,400	1,550,501	2,037,874	5,597,057	3,559,183	2,074
	1914	463	2,130	1,654,447	994,608	721,728	2,786,430	2,064,711	2,722
Carriage and wagon materials.....	1919	258	6,509	17,971,206	5,066,771	14,734,673	26,765,316	12,030,643	23,700
	1914	350	11,087	26,845,261	6,050,218	13,546,273	24,849,560	11,803,287	38,215
Carriages and sleds, children's.....	1919	103	6,686	15,215,425	6,220,038	11,700,158	24,506,598	12,806,438	6,071
	1914	92	5,900	9,380,127	3,180,705	6,682,489	11,751,623	6,089,134	5,652
Carriages and wagons, including repairs.....	1919	2,286	18,173	78,952,868	19,393,305	48,302,456	91,463,225	43,100,769	40,966
	1914	4,601	41,304	150,797,754	20,408,244	52,172,522	106,097,437	54,524,915	74,334
Cars and general shop construction and repairs by electric-railroad companies.....	1919	624	31,272	82,557,905	39,073,154	32,025,484	75,210,701	43,185,217	53,890
	1914	649	26,384	63,613,741	18,644,345	17,609,574	38,576,565	20,968,991	44,989
Cars and general shop construction and repairs by steam-railroad companies.....	1919	1,744	484,437	694,286,410	687,617,312	515,803,210	1,279,235,393	763,432,183	594,515
	1914	1,362	330,518	354,092,369	234,505,098	243,828,607	514,041,226	270,212,618	433,994
Cars, electric-railroad, not including operations of railroad companies.....	1919	7	2,920	17,306,455	4,132,090	12,058,942	18,441,976	6,883,034	9,390
	1914	14	3,840	14,751,582	2,407,027	6,349,770	10,404,953	4,145,174	10,014
Cars, steam-railroad, not including operations of railroad companies.....	1919	99	52,298	335,207,383	78,284,047	368,084,545	538,222,831	182,138,236	157,805
	1914	103	54,288	157,811,103	41,383,579	132,200,159	194,775,669	62,575,510	126,087
Cash registers and calculating machines.....	1919	65	16,544	82,708,293	22,537,265	10,889,998	83,589,025	72,646,027	14,650
	1914	52	8,950	41,074,933	6,110,271	8,992,076	30,519,587	26,527,511	10,619
Coment.....	1919	123	25,524	271,260,259	38,194,920	79,509,800	175,264,910	95,755,110	488,808
	1914	133	27,916	243,485,046	18,192,282	51,986,798	101,756,444	49,769,646	490,402
Charcoal, not including production in the lumber and wood distillation industries.....	1919	41	209	518,762	156,072	260,322	589,418	329,066	132
	1914	47	223	493,717	80,513	232,618	402,060	169,442	134
Cheese.....	1919	3,530	3,997	26,022,734	4,808,991	120,425,205	143,455,704	14,030,439	24,500
	1914	3,082	2,908	11,130,004	2,005,084	46,758,685	51,744,770	4,988,094	19,210
Chemicals.....	1919	598	55,598	484,488,412	72,848,324	216,301,270	438,658,869	222,357,590	376,940
	1914	395	32,311	224,349,021	22,000,212	88,450,604	158,053,602	68,602,908	282,385
Chewing gum.....	1919	62	3,190	23,703,313	2,679,803	25,202,312	51,240,156	26,037,844	6,178
	1914	74	2,048	10,625,002	2,828,487	7,322,299	17,159,807	9,837,308	3,080
China decorating, not including that done in potteries.....	1919	43	244	470,153	244,211	310,785	866,762	555,977	43
	1914	51	205	463,209	159,471	330,190	726,960	396,770	23
Chocolate and cocoa products.....	1919	48	9,083	60,074,737	9,270,077	101,754,466	130,258,296	37,503,830	33,440
	1914	36	4,160	23,684,036	2,035,598	24,483,303	35,712,810	11,229,507	19,736
Cleansing and polishing preparations.....	1919	499	1,955	12,979,414	1,898,447	12,923,518	28,703,109	13,779,591	4,520
	1914	398	1,239	5,897,676	618,783	3,895,199	9,151,718	5,256,519	2,556

CENSUS OF MANUFACTURES: 1919.

TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.
(See note at head of this table, p. 16.)

INDUSTRY.	Census year.	Number of estab-lishments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Clocks.....	1919	46	8,252	\$18,349,943	\$7,801,011	\$7,177,813	\$23,380,190	\$10,202,377	6,952
	1914	48	6,754	12,504,482	3,653,146	4,007,764	11,031,720	7,028,956	6,011
Cloth sponging and refinishing.....	1919	67	1,206	1,465,056	1,564,061	178,161	3,690,858	3,512,697	952
	1914	51	901	625,416	658,377	132,653	1,531,317	1,398,664	704
Clothing, horse.....	1919	28	706	3,704,741	551,278	3,455,688	6,020,612	2,564,926	1,577
	1914	37	1,669	4,482,497	668,305	3,508,789	5,150,482	1,581,713	1,903
Clothing, men's.....	1919	5,258	175,270	554,147,279	197,821,990	605,752,176	1,162,985,633	557,233,457	40,577
	1914	4,830	173,747	224,050,401	86,828,011	230,031,690	458,210,985	228,170,295	35,664
Clothing, men's, buttonholes.....	1919	107	484	287,068	514,600	123,266	1,090,049	906,783	189
	1914	130	672	224,381	328,322	90,012	637,723	547,716	205
Clothing, women's.....	1919	7,711	165,649	390,526,517	195,295,834	680,400,844	1,208,543,128	528,136,284	32,622
	1914	5,604	168,907	153,549,295	92,573,042	252,345,040	473,888,354	221,543,314	28,390
Coal-tar products ¹	1919	183	15,663	174,991,835	23,402,140	63,996,734	135,482,161	71,485,427	68,342
Coffee and spice, roasting and grinding.....	1919	794	10,540	127,747,535	9,201,242	243,899,108	304,791,077	60,892,509	29,750
	1914	696	8,549	56,505,753	4,507,092	116,519,603	150,718,750	34,229,153	26,031
Coffins, burial cases, and undertakers' goods.....	1919	351	11,580	48,298,053	11,450,957	31,595,287	44,377,133	32,781,840	22,345
	1914	287	9,488	29,730,842	5,381,842	13,257,078	26,325,162	13,068,034	10,000
Coke, not including gas-house coke.....	1919	278	29,319	365,249,622	42,299,292	224,266,074	310,515,838	92,249,164	224,879
	1914	231	21,107	161,561,449	14,288,852	69,138,328	99,275,020	30,136,002	117,127
Collars and cuffs, men's.....	1919	39	11,103	30,146,985	7,430,720	19,484,095	47,564,049	28,130,854	5,288
	1914	35	10,100	15,025,246	4,494,146	6,905,578	18,530,840	11,905,212	3,896
Combs and hair pins, except those made from metal or rubber.....	1919	45	2,220	3,913,266	1,800,453	3,168,818	6,500,365	3,397,547	1,600
	1914	66	2,773	2,959,241	1,393,369	2,852,823	5,478,166	2,625,373	2,711
Condensed milk.....	1919	401	13,675	126,952,520	14,277,956	282,595,292	339,506,774	56,911,482	49,181
	1914	190	6,002	35,047,852	3,661,919	55,720,103	69,161,000	13,440,897	20,015
Confectionery and ice cream.....	1919	6,624	95,648	317,043,923	70,159,866	368,809,170	637,209,168	208,300,998	179,891
	1914	4,754	61,986	120,544,963	27,488,248	120,464,242	209,668,056	83,204,414	98,393
Cooperage.....	1919	1,099	13,219	48,853,805	14,082,224	58,520,655	88,230,001	29,715,406	30,088
	1914	1,259	17,128	36,690,031	9,180,583	32,943,083	50,017,320	17,073,637	38,200
Copper, tin, and sheet-iron work.....	1919	4,798	27,640	89,944,834	33,806,823	80,898,528	160,313,945	79,415,417	24,144
	1914	4,527	28,714	57,395,905	20,517,668	50,173,210	94,800,590	44,710,383	21,357
Cordage and twine.....	1919	120	17,622	100,248,987	14,700,061	89,705,282	133,306,476	43,661,104	66,643
	1914	105	15,769	72,472,169	6,095,598	43,005,473	50,701,488	16,150,013	35,377
Cordials and flavoring sirups.....	1919	149	1,398	11,673,732	1,297,281	30,998,628	46,806,718	15,808,000	3,177
	1914	142	929	5,585,420	461,058	7,590,300	15,316,252	7,710,892	2,070
Cork, cutting.....	1919	62	3,545	14,570,221	3,387,114	9,134,050	16,282,239	7,147,289	8,083
	1914	52	3,464	7,601,536	1,582,431	4,751,440	7,875,407	3,123,567	5,814
Corsets.....	1919	188	18,415	43,516,486	13,082,242	38,815,803	75,541,950	30,726,156	7,156
	1914	167	20,496	23,892,756	7,976,721	19,580,533	40,550,702	20,064,169	7,057
Cotton goods.....	1919	1,288	430,966	1,853,099,816	355,474,037	1,277,785,597	2,125,272,193	847,486,596	1,840,201
	1914	1,179	379,366	867,043,678	146,129,628	431,602,540	676,500,115	244,066,575	1,306,757
Cotton lace.....	1919	44	6,490	32,200,216	6,088,557	13,075,994	20,306,853	10,320,859	9,078
	1914	41	7,440	20,956,509	3,468,081	5,076,948	13,206,789	7,529,837	9,096
Cotton small wares.....	1919	164	9,396	29,559,474	7,162,218	24,039,951	40,896,835	16,856,884	14,263
	1914	108	6,503	11,764,495	2,824,890	6,243,027	11,525,033	5,282,006	10,100
Crucibles.....	1919	22	848	8,069,334	923,287	2,233,072	5,293,688	3,060,616	2,714
	1914	10	302	1,871,015	171,499	1,269,845	1,886,120	616,284	875
Cutlery and edge tools.....	1919	304	19,850	68,971,247	20,484,465	19,477,437	66,620,570	47,152,133	38,058
	1914	252	16,561	35,666,198	9,075,890	8,185,699	25,540,987	17,355,288	34,781
Dairymen's, poultrymen's, and apiarists' supplies.....	1919	244	6,437	36,095,331	7,078,433	18,526,743	37,397,448	18,870,705	11,766
	1914	236	5,551	21,280,884	3,363,119	9,247,039	18,949,538	9,701,500	11,639
Dental goods.....	1919	319	5,224	17,904,790	4,463,840	16,420,429	29,401,890	12,081,467	2,716
	1914	172	3,080	10,948,814	1,616,195	10,714,692	16,159,830	5,445,147	1,874
Drug grinding.....	1919	31	1,347	14,991,135	1,526,137	11,556,480	16,937,608	5,381,218	6,725
	1914	20	1,059	8,434,036	588,361	5,215,287	8,080,118	2,804,831	4,972
Druggists' preparations.....	1919	524	15,568	102,129,257	12,161,925	55,138,475	114,503,480	59,455,011	12,698
	1914	416	9,277	46,638,098	4,754,508	22,934,723	48,008,054	25,074,931	8,417
Dyeing and finishing textiles, exclusive of that done in textile mills.....	1919	628	55,985	229,948,486	57,189,978	174,742,815	323,967,083	140,224,808	160,490
	1914	507	48,467	138,193,871	24,872,318	56,705,135	109,291,536	52,586,401	130,172
Dyestuffs and extracts—natural.....	1919	144	4,342	38,689,058	4,734,014	34,592,698	53,744,283	19,151,585	34,320
	1914	112	2,839	21,283,974	1,613,116	13,237,995	20,620,336	7,382,341	23,200
Electrical machinery, apparatus, and supplies....	1919	1,404	212,374	857,855,496	238,188,852	425,098,211	997,968,119	572,869,908	488,839
	1914	1,030	118,078	355,724,756	73,806,329	154,728,076	335,170,194	180,442,118	227,731
Electroplating.....	1919	515	3,024	4,192,980	3,793,605	2,630,248	10,389,017	7,750,360	7,078
	1914	478	2,584	2,842,022	1,712,922	1,335,062	4,773,309	3,437,647	5,845
Emery and other abrasive wheels.....	1919	60	5,601	34,802,642	5,878,748	12,228,187	30,949,270	18,721,083	12,968
	1914	49	2,387	8,224,362	1,490,898	3,006,472	7,129,741	4,123,269	4,100

¹ Included in "chemicals" in 1914.

CENSUS OF MANUFACTURES: 1919.

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TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.
[See note at head of the table, p. 16.]

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Enameling.....	1919	74	694	\$2,083,474	\$790,308	\$949,550	\$2,644,763	\$1,695,207	1,183
	1914	77	1,314	2,127,973	649,388	669,514	2,165,582	1,196,068	1,635
Engines, steam, gas, and water.....	1919	370	77,617	454,124,733	105,435,455	217,550,771	464,774,735	247,223,964	190,021
	1914	446	29,057	181,080,145	21,420,737	31,460,227	72,121,112	40,660,885	63,047
Engravers' materials.....	1919	21	174	826,166	212,171	1,484,269	2,248,122	763,853	759
	1914	13	106	351,666	73,391	550,650	768,253	217,599	547
Engraving and diesinking.....	1919	478	1,878	4,695,712	2,391,504	1,927,323	7,350,602	5,423,279	1,760
	1914	486	1,536	1,865,298	1,075,721	596,107	3,133,701	2,537,084	1,092
Engraving, steel and copper plate, including plate printing.....	1919	421	7,014	19,040,280	7,908,100	6,980,747	24,209,154	17,228,407	5,420
	1914	300	6,859	19,078,545	4,523,684	3,914,508	13,785,385	9,871,877	5,670
Engraving, wood.....	1919	55	235	338,908	407,215	210,268	1,153,618	934,350	67
	1914	72	302	240,268	310,318	96,384	719,234	622,850	68
Envelopes.....	1919	106	8,129	24,754,818	6,640,080	21,964,743	39,664,077	17,699,334	7,187
	1914	90	6,970	15,330,390	3,378,184	10,234,841	18,481,013	8,240,172	5,206
Explosives.....	1919	118	9,249	133,247,684	12,504,986	45,911,049	92,474,813	46,503,764	51,635
	1914	111	6,306	71,351,414	4,488,288	25,026,539	41,432,970	15,806,431	45,778
Fancy articles, not elsewhere specified.....	1919	661	13,961	32,824,988	12,207,013	32,501,073	64,054,481	31,403,408	8,982
	1914	493	7,399	11,878,851	3,566,900	8,428,916	17,655,770	9,220,854	4,586
Feathers and plumes.....	1919	216	3,504	6,514,809	3,405,765	6,694,590	15,377,958	8,053,857	594
	1914	230	4,483	5,395,542	1,988,004	6,102,515	11,450,521	5,348,006	389
Felt goods.....	1919	49	5,236	35,024,373	4,873,490	22,780,775	39,229,540	16,448,705	16,411
	1914	53	4,035	20,284,048	2,089,243	8,308,270	13,692,765	5,384,495	14,050
Ferroalloys ¹	1919	30	2,344	42,364,729	3,571,487	28,098,576	38,583,934	10,485,408	37,087
Fertilizers.....	1919	600	26,296	311,033,259	25,363,132	185,040,622	281,143,587	96,103,065	125,930
	1914	784	22,815	217,004,890	10,532,005	107,954,644	152,196,152	45,241,608	114,281
Files.....	1919	50	5,707	15,692,801	6,192,444	4,227,880	17,616,563	13,358,883	11,905
	1914	48	4,349	11,320,606	2,135,436	1,598,225	5,008,157	4,012,932	8,821
Firearms.....	1919	26	11,287	51,017,782	13,833,495	7,613,784	30,181,370	22,567,586	26,167
	1914	29	7,064	15,610,800	5,067,058	2,669,618	10,543,768	7,874,185	7,474
Fire extinguishers, chemical.....	1919	32	777	3,779,785	751,119	2,693,416	5,563,180	2,869,764	855
	1914	27	256	3,674,705	200,096	573,975	1,297,723	723,748	391
Fireworks.....	1919	57	1,222	3,546,943	994,851	2,108,156	4,629,984	2,521,828	1,005
	1914	41	1,324	2,102,449	610,270	1,208,006	2,296,236	1,000,230	707
Flags and banners.....	1919	79	1,065	3,436,484	795,242	3,286,165	5,346,089	2,059,924	778
	1914	87	1,405	1,843,837	680,975	1,750,094	3,001,310	1,851,216	637
Flavoring extracts.....	1919	453	2,188	13,501,337	1,665,285	10,418,176	30,116,932	10,698,756	3,376
	1914	424	1,461	6,616,771	688,790	6,308,403	11,380,423	5,072,020	1,470
Flax and hemp, dressed.....	1919	20	420	2,783,958	447,373	1,708,670	2,369,114	660,444	1,920
	1914	16	116	234,619	46,271	185,247	282,048	97,401	832
Flour-mill and gristmill products.....	1919	10,708	45,481	801,624,507	50,888,383	1,790,180,087	2,052,434,385	253,253,398	874,405
	1914	10,788	39,718	380,257,420	24,593,162	752,270,021	877,679,709	125,409,688	822,384
Food preparations, not elsewhere specified.....	1919	1,997	30,305	245,282,687	29,392,209	494,507,157	631,598,150	137,000,903	150,230
	1914	1,659	20,308	91,038,543	10,866,380	163,750,573	219,332,659	65,582,086	80,023
Foundry and machine-shop products.....	1919	10,934	482,707	2,104,980,938	622,571,129	948,069,381	2,289,250,859	1,341,181,478	1,054,840
	1914	10,040	302,471	1,246,032,604	244,146,380	358,121,781	806,544,077	508,422,803	770,454
Foundry supplies.....	1919	76	906	7,501,631	1,032,029	5,867,236	9,954,676	4,287,440	6,828
	1914	57	555	2,814,124	300,775	997,315	2,012,896	1,015,581	4,694
Fuel, manufactured.....	1919	11	171	2,008,130	221,545	1,388,394	1,973,877	587,483	5,180
	1914	14	141	1,770,550	114,774	609,088	802,904	253,836	8,444
Fur goods.....	1919	1,815	13,639	80,700,925	24,149,212	105,598,005	173,137,739	67,541,134	5,327
	1914	1,322	9,030	29,677,371	6,334,601	23,847,402	43,632,693	19,785,201	3,233
Furnishing goods, men's.....	1919	487	18,944	53,014,066	13,562,866	64,748,912	107,834,606	43,090,783	5,685
	1914	551	22,459	27,887,725	8,415,480	31,593,442	52,453,338	20,859,896	5,880
Furniture.....	1919	3,154	138,331	423,992,405	141,116,310	261,523,395	571,366,333	309,832,938	262,703
	1914	3,192	127,881	267,884,783	71,816,916	121,480,496	265,705,763	144,219,267	240,605
Furs, dressed.....	1919	141	5,075	8,867,403	7,098,286	6,338,835	20,384,569	14,045,734	5,621
	1914	96	1,525	2,489,888	922,906	906,036	2,875,036	1,969,000	2,275
Galvanizing and other coating processes.....	1919	52	1,665	4,316,455	2,247,953	10,532,288	14,475,682	3,943,394	1,631
	1914	48	1,580	4,415,885	922,264	6,292,804	8,480,109	2,187,305	2,385
Gas and electric fixtures.....	1919	341	9,795	36,872,737	9,802,380	20,258,588	42,267,953	22,009,415	9,910
	1914	460	10,913	27,628,669	8,504,150	14,089,527	28,739,937	14,650,410	10,028
Gas, illuminating and heating.....	1919	1,022	42,908	1,465,656,265	52,758,628	157,550,882	329,278,908	171,728,026	288,467
	1914	1,284	43,792	1,252,421,584	26,801,684	76,779,288	220,287,700	143,468,502	213,370
Gas machines and gas and water meters.....	1919	105	5,589	24,980,993	5,995,877	10,647,402	26,267,074	15,619,672	8,601
	1914	123	4,972	17,821,544	3,309,631	6,118,471	15,183,916	9,065,445	5,711
Glass.....	1919	371	77,520	215,680,436	87,520,025	90,780,124	261,884,080	171,103,956	207,430
	1914	348	74,502	163,925,876	48,655,819	46,016,504	123,086,019	77,068,615	163,139

¹ Included in other classifications in 1914.

CENSUS OF MANUFACTURES: 1919.

TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.
[See note at head of the table, p. 16.]

INDUSTRY.	Census year.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Glass, cutting, staining, and ornamenting.....	1919	616	6,480	\$18,088,650	\$6,154,831	\$14,357,578	\$28,443,321	\$14,085,443	5,110
	1914	635	8,037	11,310,478	4,670,370	7,142,600	10,445,839	9,803,230	5,539
Gloves and mittens, cloth, not including gloves made in textile mills. ¹	1919	182	8,980	17,687,953	4,855,246	10,092,462	28,220,113	12,127,651	3,364
Gloves and mittens, leather.....	1919	355	10,685	29,870,277	8,150,784	20,286,129	40,940,511	20,054,382	3,288
	1914	352	10,668	17,080,398	4,588,300	12,170,694	21,614,109	9,443,415	3,357
Glucose and starch.....	1919	56	7,795	58,182,682	11,962,483	130,328,848	186,256,230	55,927,412	52,340
	1914	89	4,509	43,642,343	3,549,565	40,207,592	52,615,401	12,107,809	41,689
Glue, not elsewhere specified.....	1919	62	4,264	27,237,123	4,776,724	19,279,905	32,134,067	12,854,162	10,079
	1914	57	3,129	17,102,362	1,853,548	9,307,922	13,732,824	4,364,902	13,304
Gold and silver, leaf and foil.....	1919	87	950	1,571,557	983,600	2,655,335	4,401,508	1,805,233	408
	1914	79	1,135	1,173,621	498,273	1,452,429	2,432,145	979,716	360
Gold and silver, reducing and refining, not from the ore.....	1919	87	644	9,757,415	843,608	49,736,078	55,483,215	5,740,237	3,279
	1914	78	456	4,406,068	390,865	25,709,133	28,587,568	2,878,425	2,231
Graphite, ground and refined.....	1919	24	497	4,302,788	434,317	1,092,684	2,239,587	1,146,903	7,445
	1914	11	250	3,059,220	181,125	723,190	1,724,330	1,001,110	2,602
Grease and tallow, not including lubricating greases.....	1919	482	6,647	37,360,094	7,954,378	47,756,341	67,205,206	19,508,805	25,584
	1914	369	5,106	18,928,175	3,512,085	17,060,872	24,900,519	7,839,617	17,947
Grindstones.....	1919	23	674	2,045,469	598,631	243,858	1,360,423	1,125,570	3,031
	1914	14	686	1,979,047	322,812	115,588	883,036	508,348	2,100
Haircloth.....	1919	18	425	2,989,150	425,149	2,259,142	3,315,113	1,055,971	1,153
	1914	19	595	2,945,244	290,280	1,654,006	2,395,486	741,480	1,723
Hair work.....	1919	198	1,084	3,580,546	1,004,630	3,820,197	6,963,033	3,133,836	119
	1914	205	1,183	2,542,585	580,815	1,528,942	3,334,046	1,800,004	68
Hammocks.....	1919	6	64	153,465	40,241	169,492	255,755	86,203	92
	1914	14	285	608,194	119,472	361,327	671,176	310,149	321
Hand stamps.....	1919	298	1,719	4,240,546	1,832,581	2,634,428	7,738,773	5,104,347	1,474
	1914	277	1,321	2,272,580	847,727	1,093,147	3,882,793	2,289,010	973
Hardware.....	1919	548	42,505	133,925,618	46,229,950	58,533,760	154,524,888	95,901,119	67,589
	1914	539	41,213	92,301,099	22,583,132	29,070,638	78,310,697	44,240,059	53,411
Hardware, saddlery.....	1919	37	3,075	10,991,945	4,043,709	4,281,589	14,136,556	8,854,967	7,101
	1914	58	2,511	5,363,299	1,248,441	1,780,944	4,039,971	2,250,027	4,134
Hat and cap materials.....	1919	133	3,009	19,801,835	3,132,571	16,043,910	26,621,212	9,877,293	4,927
	1914	98	1,775	6,417,072	804,246	5,051,857	6,929,342	1,877,185	2,054
Hats and caps, other than felt, straw, and wool.....	1919	709	7,539	18,515,472	9,438,864	24,176,514	44,539,861	20,383,347	1,687
	1914	580	7,322	6,846,986	4,507,521	9,267,577	18,593,221	9,325,044	1,339
Hats, fur-felt.....	1919	176	18,510	58,127,770	19,642,531	40,158,019	82,745,308	42,587,289	20,389
	1914	224	21,318	39,401,429	12,070,812	16,947,058	37,349,744	20,402,086	20,861
Hats, straw.....	1919	148	7,302	18,560,183	6,604,933	16,910,408	32,187,361	15,276,053	3,392
	1914	140	9,483	12,588,754	5,253,028	14,085,780	25,443,501	11,357,715	5,243
Hats, wool-felt.....	1919	40	1,448	8,831,376	1,387,777	3,099,822	6,739,652	3,039,830	2,696
	1914	30	1,249	2,608,839	599,578	978,830	1,944,484	966,145	3,001
Hones and whetstones.....	1919	11	212	847,340	203,001	320,451	793,778	473,327	1,164
	1914	16	170	499,030	63,902	87,481	259,944	172,513	864
Horseshoes, not made in steel works or rolling mills.....	1919	20	744	4,589,563	830,249	1,530,610	3,367,001	1,830,382	3,874
	1914	22	588	2,437,449	362,436	689,574	1,785,993	1,096,419	1,984
House-furnishing goods, not elsewhere specified.....	1919	467	7,853	32,626,867	6,443,915	39,793,962	60,211,804	20,417,842	12,249
	1914	370	6,935	19,014,157	3,306,515	17,390,880	26,452,937	9,062,051	11,731
Ice, manufactured.....	1919	2,867	30,247	270,725,786	34,001,837	42,877,500	137,004,708	94,127,289	572,970
	1914	2,543	23,011	174,303,511	14,840,591	17,755,004	60,386,267	42,031,263	161,088
Ink, printing.....	1919	90	1,988	18,702,523	2,574,920	14,601,115	26,244,470	11,583,355	10,353
	1914	70	1,391	11,942,807	1,063,959	6,805,874	13,830,312	7,024,438	7,821
Ink, writing.....	1919	61	702	4,803,485	596,168	3,320,346	6,433,941	3,113,595	610
	1914	54	512	2,464,201	262,786	1,230,227	2,783,842	1,547,416	612
Instruments, professional and scientific.....	1919	351	15,931	51,570,470	17,499,888	19,494,634	58,130,691	38,642,057	13,020
	1914	307	7,107	16,742,326	4,662,105	5,581,722	17,494,720	11,913,007	6,799
Iron and steel, blast furnaces.....	1919	105	41,660	802,416,541	73,769,395	621,280,496	794,466,558	173,180,062	1,581,432
	1914	100	29,356	462,281,594	22,780,626	264,580,060	317,658,983	53,073,923	1,222,273
Iron and steel, steel works and rolling mills.....	1919	500	375,088	2,656,518,417	637,637,420	1,680,575,758	2,828,902,376	1,148,320,618	3,820,917
	1914	427	248,716	1,258,370,594	188,142,398	590,825,692	918,664,565	327,838,873	2,706,553
Iron and steel, belts, nuts, washers, and rivets, not made in rolling mills.....	1919	144	17,967	75,715,918	20,973,834	44,277,117	89,743,882	45,466,765	40,959
	1914	102	10,658	35,602,329	5,960,824	12,912,649	23,403,405	10,490,756	28,897
Iron and steel, cast-iron pipe.....	1919	59	12,026	42,863,026	14,705,398	25,386,552	50,235,101	24,848,549	28,741
	1914	59	12,557	26,981,070	7,075,976	10,930,141	20,659,365	9,729,224	25,864
Iron and steel, doors and shutters.....	1919	57	2,077	9,849,235	2,729,774	4,577,934	10,877,001	6,299,007	4,013
	1914	43	1,985	5,101,132	1,637,688	1,995,885	5,183,602	3,187,717	3,170
Iron and steel, forgings, not made in steel works or rolling mills.....	1919	241	28,391	135,246,144	89,772,553	82,024,492	173,752,104	91,727,612	101,951
	1914	191	10,639	36,319,626	7487,448	14,610,897	28,981,487	14,350,500	38,215

¹ Included in "furnishing goods, men's," in 1914.

CENSUS OF MANUFACTURES: 1919.

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TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.

[See note at head of this table, p. 16.]

INDUSTRY.	Census year.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.	1919	65	3,355	\$13,215,785	\$3,397,562	\$8,874,747	\$17,583,344	\$8,708,597	8,974
	1914	64	2,644	7,883,371	1,507,689	3,594,319	7,198,600	3,004,281	8,235
Iron and steel, tempering and welding ¹ .	1919	520	1,835	7,626,948	2,742,928	3,575,881	10,995,672	7,419,791	8,804
Iron and steel, wrought pipe.	1919	50	10,426	72,709,472	14,919,676	51,155,653	81,889,115	30,713,462	23,025
	1914	36	8,845	39,407,625	5,750,360	26,295,788	37,655,229	11,350,441	17,542
Ivory, shell, and bone work, not including combs and hair pins.	1919	44	842	1,365,784	734,932	1,293,876	2,816,530	1,522,654	954
	1914	54	795	1,160,422	391,338	958,051	1,895,812	937,761	708
Japanizing.	1919	36	295	461,501	260,640	221,901	771,143	549,242	311
	1914	35	228	260,719	149,444	94,584	381,324	280,740	110
Jewelry.	1919	2,054	30,871	121,070,305	35,863,718	110,450,883	203,939,230	98,488,547	16,389
	1914	1,914	28,289	72,403,637	18,301,565	39,116,136	81,006,289	41,890,153	15,666
Jewelry and instrument cases.	1919	142	2,734	3,097,104	2,147,648	3,505,840	8,126,300	4,620,480	1,091
	1914	125	2,303	2,187,328	1,093,672	1,449,848	3,620,838	2,170,900	1,050
Jute goods.	1919	26	7,138	41,335,845	6,436,286	17,708,834	34,442,698	16,733,804	32,135
	1914	34	7,087	17,279,006	3,066,010	12,579,840	16,513,874	3,034,034	28,628
Knit goods.	1919	2,050	172,572	510,457,991	125,190,820	427,095,560	713,139,689	286,044,120	151,601
	1914	1,622	150,520	215,826,340	59,758,151	146,637,458	258,012,903	112,225,445	125,842
Labels and tags.	1919	119	5,227	14,118,792	4,549,902	11,274,767	24,243,992	12,969,225	4,061
	1914	108	2,600	5,699,747	1,483,777	2,907,876	6,584,058	3,676,182	2,233
Lamps and reflectors.	1919	171	8,380	26,099,941	9,282,497	18,429,033	38,098,917	19,669,884	12,708
	1914	151	7,134	15,670,937	4,172,884	8,012,371	16,638,287	8,625,916	8,640
Lapidary work.	1919	124	1,155	19,200,627	2,887,811	19,363,004	30,051,460	10,688,458	680
	1914	89	584	3,613,288	641,444	3,940,761	5,380,064	1,419,303	548
Lard, not made in slaughtering and meat-packing establishments.	1919	6	18	40,587	12,154	175,317	219,660	44,343	40
	1914	6	19	123,592	12,268	101,624	146,873	45,249	197
Lasts.	1919	84	2,910	8,177,560	3,415,960	8,932,662	12,470,539	8,537,877	5,842
	1914	66	2,094	4,480,609	1,511,299	1,342,720	4,589,215	3,246,495	5,317
Lead, bar, pipe, and sheet.	1919	82	852	9,419,780	1,066,941	18,034,120	17,174,281	3,540,101	5,537
	1914	27	585	5,035,955	406,614	8,048,426	7,430,957	1,332,531	2,609
Leather goods, not elsewhere specified.	1919	503	8,945	33,341,468	8,415,403	80,035,537	52,952,772	22,917,235	3,902
	1914	378	7,071	10,951,427	3,603,865	10,632,124	19,333,034	8,701,810	3,272
Leather, tanned, curried and finished.	1919	680	72,476	671,341,553	88,205,473	646,521,527	928,591,701	282,070,174	218,238
	1914	741	55,036	332,180,085	31,914,497	284,245,420	367,201,705	82,956,285	172,712
Lime.	1919	476	11,405	45,844,532	10,869,198	14,206,025	33,970,403	19,873,538	51,735
	1914	627	12,429	34,123,948	6,639,038	7,557,670	18,390,805	10,833,135	39,134
Linen goods.	1919	10	1,890	7,527,598	1,635,642	4,100,187	6,998,048	2,807,850	6,060
	1914	21	3,567	8,809,869	1,386,117	4,288,104	6,950,708	2,670,604	9,932
Liquors, distilled.	1919	34	1,380	45,618,110	1,716,699	19,655,522	31,854,085	12,198,563	16,494
	1914	434	6,295	31,285,028	3,904,469	40,996,781	206,778,708	165,781,927	51,971
Liquors, malt.	1919	729	34,250	583,420,947	45,170,432	94,702,650	370,905,085	285,112,426	324,431
	1914	1,250	62,070	702,913,059	53,243,743	120,724,396	442,148,597	312,424,201	405,884
Liquors, vinous.	1919	842	1,011	14,855,431	1,013,898	8,115,841	17,454,104	9,338,353	5,180
	1914	318	2,292	31,510,366	1,194,433	9,489,428	16,618,378	7,128,950	9,356
Lithographing.	1919	331	16,618	60,817,330	18,201,089	27,718,217	73,151,115	45,432,898	18,624
	1914	336	15,171	35,085,305	11,861,018	14,017,181	38,185,973	25,118,792	15,178
Locomotives, not made by railroad companies.	1919	17	26,715	138,275,823	38,798,641	72,375,950	150,260,730	83,893,780	97,187
	1914	19	17,391	86,413,199	11,085,375	23,546,118	43,374,141	19,828,023	50,373
Looking-glass and picture frames.	1919	420	4,708	10,079,709	4,775,227	7,227,232	18,384,562	11,157,330	4,089
	1914	438	4,787	8,049,164	2,550,258	4,468,492	11,014,207	6,546,715	4,210
Lubricating greases.	1919	53	472	5,242,036	569,925	4,807,501	8,868,772	4,001,271	2,178
	1914	77	476	3,440,131	281,844	2,767,165	4,918,078	2,151,913	2,685
Lumber and timber products ² .	1919	26,119	480,945	1,357,991,571	480,419,091	470,060,488	1,387,471,413	910,510,925	2,358,937
	1914	27,249	480,207	917,221,581	240,171,732	282,385,405	715,941,590	433,656,185	2,192,392
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	5,309	86,956	361,848,070	91,076,526	290,265,652	500,438,258	201,172,006	419,671
	1914	5,841	96,214	266,804,640	61,949,230	184,227,441	307,672,478	123,445,037	414,817
Machine tools ¹ .	1919	403	53,111	231,039,843	66,178,969	59,084,308	212,400,158	153,365,850	100,433
Malt.	1919	55	1,352	34,829,495	1,845,210	81,612,707	39,340,414	7,727,707	27,483
	1914	97	1,089	46,766,899	1,827,520	89,198,931	48,132,833	8,933,002	33,394
Marble and stone work.	1919	4,240	32,768	112,568,533	38,354,822	49,524,341	129,184,653	79,640,312	170,132
	1914	4,001	54,981	118,423,292	37,980,517	37,802,335	107,054,593	69,252,258	207,461
Matches.	1919	21	3,726	29,477,486	3,050,537	6,852,970	18,495,876	11,642,906	12,947
	1914	20	3,800	11,736,187	1,757,975	5,201,598	12,556,279	7,354,681	7,465
Mats and matting, from cocoa fiber, grass, and coir.	1919	12	1,073	7,190,675	810,607	2,102,580	4,860,855	2,758,275	1,870
	1914	12	869	5,055,114	455,247	1,170,214	2,235,867	1,065,653	1,643
Mattresses and spring beds, not elsewhere specified.	1919	1,041	12,637	46,212,858	12,805,851	49,208,560	83,952,600	34,744,049	23,469
	1914	1,000	11,747	24,921,823	6,723,372	22,390,153	38,716,764	16,317,611	20,707

¹ Included in "foundry and machine shops" prior to 1919.² Includes "pulpwood" in 1914; not shown as a separate classification in 1919.

CENSUS OF MANUFACTURES: 1919.

TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.
[See note at head of this table, p. 16.]

INDUSTRY.	Census year.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Machinery and lace goods, not elsewhere specified.	1919	3,005	50,850	\$95,538,709	\$49,848,984	\$132,928,877	\$255,724,922	\$122,700,045	12,482
	1914	2,079	45,274	53,100,601	21,545,137	57,675,921	114,160,482	56,444,541	12,738
Milstones.	1919	12	38	58,905	43,732	25,509	66,896	41,387	132
Mineral and soda waters.	1919	5,194	17,440	102,888,582	16,303,477	68,599,585	135,341,437	60,741,852	41,704
	1914	5,463	15,506	53,232,546	8,863,654	26,770,476	58,401,462	31,621,986	25,164
Minerals and earths, ground or otherwise treated.	1919	419	14,428	60,208,617	16,309,518	16,270,251	46,067,230	20,706,988	127,074
	1914	244	4,707	27,439,441	2,485,254	4,561,428	10,307,114	5,745,086	44,080
Mirrors, framed and unframed, not elsewhere specified.	1919	186	2,509	9,322,060	2,819,140	12,498,733	20,830,775	8,332,042	4,328
	1914	182	3,184	6,517,304	1,967,811	6,013,970	10,180,431	4,175,461	4,873
Models and patterns, not including paper patterns.	1919	928	6,949	11,753,992	10,318,104	6,395,834	25,300,380	18,004,555	13,809
	1914	762	4,274	5,534,250	3,103,061	2,045,327	8,604,695	6,559,308	6,149
Motorcycles, bicycles, and parts.	1919	51	10,856	35,382,150	12,763,235	25,985,015	53,105,895	27,119,980	14,806
	1914	78	8,680	18,134,950	4,738,750	10,927,654	22,234,262	11,306,008	8,753
Mucilage, paste, and other adhesives, not elsewhere specified.	1919	127	803	7,133,137	850,882	7,092,728	11,230,253	4,137,525	3,242
	1914	127	700	3,549,980	398,814	3,338,082	5,694,550	2,356,477	2,466
Musical instruments and materials, not specified.	1919	240	4,113	7,876,182	3,984,656	4,444,720	12,506,334	8,001,005	3,286
	1914	241	1,831	3,857,787	1,160,512	1,022,584	3,624,667	2,602,083	1,865
Musical instruments, organs.	1919	68	1,941	6,770,587	1,978,518	2,217,097	5,073,208	3,750,171	3,251
	1914	85	3,068	3,042,405	1,993,415	2,659,980	6,207,348	3,637,368	3,066
Musical instruments, pianos.	1919	191	22,957	116,100,536	25,474,200	54,364,656	107,088,050	52,723,394	28,732
	1914	255	23,877	101,746,424	15,704,679	20,091,045	62,775,035	33,083,900	25,981
Musical instruments, piano and organ materials.	1919	113	11,009	32,323,069	10,467,137	16,603,140	36,789,027	20,006,487	15,821
	1914	138	10,610	21,200,965	5,654,557	9,501,766	19,875,762	10,373,990	14,702
Needles, pins, and hooks and eyes.	1919	92	9,294	26,324,627	8,809,781	10,227,199	29,304,095	19,077,706	8,487
	1914	49	5,339	9,424,203	2,506,611	3,241,657	7,890,879	4,049,222	4,813
Nets and seines.	1919	19	859	4,155,531	561,282	3,648,208	5,114,414	1,466,208	950
	1914	15	1,058	2,678,351	378,741	2,257,093	3,088,042	330,049	1,940
Oakum.	1919	6	124	978,063	118,032	575,525	983,423	407,808	533
	1914	6	116	494,572	49,305	235,141	358,534	123,393	333
Oil and cake, cottonseed.	1919	711	28,766	203,487,371	20,615,193	495,192,204	531,244,708	80,052,504	290,036
	1914	882	21,810	118,073,075	8,489,692	180,976,413	212,127,024	31,150,611	249,781
Oil, essential.	1919	78	321	6,379,910	391,213	3,908,417	5,698,403	1,704,936	1,833
	1914	105	249	1,616,682	183,272	1,564,856	2,313,606	748,771	2,309
Oil, linseed.	1919	26	2,173	73,954,065	3,052,260	100,577,538	120,638,100	20,060,562	17,021
	1914	25	1,488	39,872,712	1,127,169	30,556,408	44,882,538	5,827,130	15,611
Oil, not elsewhere specified ^a .	1919	280	5,930	91,475,009	6,141,145	119,270,588	158,470,054	37,209,068	30,075
	1914	181	3,658	27,630,468	1,363,301	26,420,275	38,040,152	11,610,877	10,984
Oilcloth and linoleum, floor.	1919	21	5,414	49,803,688	6,518,089	30,368,703	52,073,206	22,304,503	23,509
	1914	18	4,428	20,202,210	2,604,388	11,251,876	17,002,336	6,360,400	18,782
Oilcloth, enameled.	1919	11	1,130	10,782,957	1,200,877	11,140,723	15,436,875	4,290,152	4,501
	1914	13	1,223	7,748,988	603,947	6,523,987	7,990,025	1,472,038	3,490
Oleomargarine and other butter substitutes.	1919	42	2,851	24,971,947	3,184,118	66,042,792	79,815,580	13,772,788	9,435
	1914	17	917	2,994,334	588,692	10,257,480	15,070,784	4,822,304	3,011
Optical goods.	1919	506	14,723	37,739,904	14,388,207	17,785,083	53,717,708	35,932,715	15,710
	1914	314	7,919	17,010,783	4,649,406	6,008,548	18,187,005	11,582,417	7,792
Ordnance and accessories ^b .	1919	28	11,328	85,399,162	15,556,042	20,592,658	69,495,628	42,902,070	40,652
Paints.	1919	601	17,485	177,314,815	19,550,371	165,604,116	250,714,370	91,110,263	73,702
	1914	585	18,349	99,673,137	8,315,223	71,588,364	112,408,742	40,820,378	32,955
Paper and wood pulp.	1919	729	113,759	905,794,583	135,690,642	467,482,637	788,059,377	320,570,740	1,851,014
	1914	718	88,457	534,624,820	53,245,630	213,181,288	332,147,175	118,065,889	1,621,154
Paper goods, not elsewhere specified.	1919	308	14,135	64,442,669	12,666,924	15,295,484	107,284,759	41,980,275	35,538
	1914	310	13,495	37,808,125	6,849,761	28,120,244	48,871,401	20,751,217	27,368
Paper patterns.	1919	19	403	1,084,325	374,479	310,890	1,528,382	1,211,402	68
	1914	25	1,073	2,611,993	577,285	626,311	3,026,022	2,399,711	3,490
Patent medicines and compounds.	1919	2,467	17,444	148,498,611	13,748,813	88,819,417	212,162,255	123,942,838	25,677
	1914	2,903	13,328	71,436,840	6,675,168	35,940,434	102,463,374	66,522,940	18,542
Paving materials.	1919	889	16,072	67,421,242	17,169,154	16,010,811	45,740,000	20,720,705	191,543
	1914	600	19,540	57,431,939	11,184,030	14,182,830	35,678,054	21,615,215	138,026
Peanuts, grading, roasting, cleaning, and shelling.	1919	78	2,460	10,393,512	1,328,712	28,474,052	33,364,377	4,880,325	7,351
	1914	61	2,353	3,615,407	569,409	12,571,301	14,906,369	2,424,978	4,235
Pencils, lead.	1919	12	5,970	29,641,044	5,299,050	9,073,503	24,134,150	15,060,506	8,099
	1914	14	4,380	10,669,721	1,944,376	4,504,000	8,328,418	3,764,418	3,738
Pens, fountain and stylographic.	1919	58	3,207	9,725,362	2,980,668	5,811,419	15,096,808	10,185,389	1,517
	1914	55	1,164	8,269,809	717,533	1,614,145	6,865,074	5,250,929	1,167
Pens, gold.	1919	15	416	397,954	517,123	962,410	1,801,400	889,050	160
	1914	12	246	408,228	174,209	301,893	642,461	340,668	138

^a Included in "all other industries" in 1914.^b Includes "oil, castor," and "oil, lard, not made in slaughtering and meat-packing establishments."

CENSUS OF MANUFACTURES: 1919.

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TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.

[See note at head of this table, p. 16.]

INDUSTRY.	Census year.	Number of estab- lishments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Pens, steel.....	1919	4	807	\$1,311,150	\$679,405	\$398,383	\$1,679,541	\$1,281,158	305
	1914	5	573	870,601	243,043	117,113	513,498	396,385	244
Perfumery and cosmetics.....	1919	569	5,405	32,666,633	3,083,016	26,147,026	59,613,301	33,466,365	2,196
	1914	496	2,897	9,640,618	1,279,899	7,404,786	16,899,101	9,434,315	1,913
Petroleum, refining.....	1919	320	58,889	1,170,278,180	89,749,637	1,247,908,355	1,632,532,766	384,024,411	238,906
	1914	176	25,366	325,046,120	19,397,466	325,264,500	390,361,406	71,006,897	128,468
Phonographs and graphophones.....	1919	166	28,721	105,241,359	33,963,148	59,740,205	158,547,870	98,807,605	40,168
	1914	18	9,381	33,770,511	6,341,495	7,048,040	27,115,918	20,087,876	11,688
Photographic apparatus.....	1919	68	2,555	7,284,031	2,642,957	3,584,380	9,384,050	5,799,870	2,321
	1914	87	2,016	4,307,279	1,280,092	1,585,405	4,273,162	2,737,757	1,522
Photographic materials.....	1919	169	14,558	87,204,707	18,965,941	49,801,747	115,714,179	65,012,432	26,468
	1914	59	6,688	31,091,180	4,250,212	10,003,976	34,768,364	24,764,388	14,980
Photo-engraving, not done in printing establish- ments.....	1919	422	6,789	12,442,784	10,423,541	5,038,382	29,380,386	24,351,004	3,800
	1914	376	6,211	7,703,210	6,166,688	2,798,132	15,353,604	12,560,472	3,927
Pickles, preserves, and sauces.....	1919	723	10,021	88,703,665	13,346,467	9,037,433	145,784,530	52,747,097	22,560
	1914	672	12,500	43,196,381	5,788,825	35,672,506	60,914,532	25,242,020	18,840
Pipes, tobacco.....	1919	56	2,539	7,634,662	2,555,291	3,497,414	11,553,777	8,050,363	2,001
	1914	47	2,354	3,232,454	1,188,411	2,308,246	4,220,084	1,911,838	1,716
Plated ware.....	1919	68	9,492	34,789,823	10,913,091	17,786,530	41,634,585	23,868,049	14,252
	1914	72	8,717	22,215,362	5,000,381	8,304,030	18,484,235	10,180,190	10,409
Plumbers' supplies, not elsewhere specified.....	1919	214	13,592	60,980,032	15,902,517	27,707,007	60,055,265	32,258,238	29,762
	1914	260	18,479	48,029,113	11,703,328	18,869,833	43,385,888	24,716,055	28,253
Pocketbooks.....	1919	139	2,905	5,427,000	3,061,003	7,557,155	14,549,659	6,992,504	431
	1914	64	1,466	1,308,601	702,314	1,783,840	3,350,552	1,566,712	243
Pottery.....	1919	340	27,934	66,757,970	29,820,278	20,794,076	74,919,186	54,125,110	29,090
	1914	350	26,705	44,704,081	16,666,330	12,031,550	38,942,606	24,911,060	22,339
Poultry, killing and dressing, not done in slaught- ering and meat-packing establishments.....	1919	196	2,140	8,375,942	2,045,043	36,015,817	41,705,079	5,089,262	4,016
	1914	116	1,353	2,281,553	622,278	11,205,603	12,916,608	1,711,005	2,230
Printing and publishing, book and job.....	1919	13,089	123,005	405,554,984	141,476,243	211,087,174	597,663,228	388,590,054	181,981
	1914	12,115	113,121	247,282,409	78,413,700	96,453,232	307,380,861	210,877,629	114,233
Printing and publishing, music.....	1919	100	899	8,000,122	926,988	2,123,781	14,592,177	12,468,396	634
	1914	180	873	4,280,844	572,985	1,046,030	7,271,266	6,224,630	594
Printing and publishing, newspapers and peri- odicals.....	1919	17,302	120,381	614,045,344	144,349,173	300,385,187	924,152,878	623,767,691	194,361
	1914	19,317	114,375	384,744,761	88,561,248	129,082,218	495,005,948	300,823,730	182,269
Printing materials.....	1919	82	723	7,245,110	700,402	1,610,718	4,918,700	3,299,081	1,357
	1914	94	423	1,770,980	340,041	763,212	2,110,814	1,347,602	671
Pulp, from fiber other than wood ¹	1919	5	64	778,177	55,944	395,947	524,444	128,497	833
Pulp goods.....	1919	40	3,041	17,190,819	3,608,314	11,381,972	23,008,403	12,226,431	12,273
	1914	24	1,654	6,862,155	883,984	2,191,276	4,482,981	2,291,705	8,828
Pumps, not including power pumps.....	1919	127	5,384	20,660,646	5,968,121	12,161,802	31,656,438	19,494,546	10,346
	1914	96	2,134	6,194,272	1,391,460	2,765,270	6,350,411	3,588,141	3,488
Pumps, steam and other power.....	1919	112	10,688	54,839,075	13,763,526	23,907,889	53,745,502	29,837,613	22,155
	1914	87	6,188	30,655,598	4,163,743	6,693,474	17,864,311	11,170,837	13,723
Refrigerators.....	1919	122	5,786	23,600,028	5,809,351	11,948,972	26,048,808	14,099,836	13,232
	1914	134	5,617	14,511,158	3,572,334	7,343,302	15,051,794	7,708,402	11,332
Regalia, and society badges and emblems.....	1919	115	2,223	6,257,750	1,800,383	4,287,055	9,395,470	5,108,415	1,333
	1914	138	2,010	4,121,094	979,903	2,205,068	9,025,451	2,820,383	665
Rice, cleaning and polishing.....	1919	86	2,113	23,792,500	1,932,106	76,633,818	90,038,412	13,404,506	27,382
	1914	59	1,253	12,626,990	645,803	20,615,860	23,039,204	2,423,434	15,571
Roofing materials.....	1919	178	8,871	57,069,224	10,344,043	52,587,777	85,895,359	83,307,582	39,327
	1914	170	4,088	23,645,086	2,642,136	17,604,944	27,977,913	10,372,069	11,702
Rubber tires, tubes, and rubber goods, not else- where specified.....	1919	437	119,848	782,037,722	156,806,828	525,688,309	987,088,045	401,401,736	354,188
	1914	301	50,220	109,183,036	31,278,755	126,111,678	223,610,754	97,499,111	151,927
Rules, ivory and wood.....	1919	13	168	414,980	142,290	183,934	480,543	340,009	209
	1914	10	408	883,182	223,772	187,171	634,242	447,071	441
Saddlery and harness.....	1919	1,823	10,411	40,368,288	10,849,066	52,442,907	83,713,010	31,270,103	8,212
	1914	2,551	12,960	45,207,380	7,995,612	33,086,442	53,558,612	20,472,170	10,397
Safes and vaults.....	1919	38	2,049	13,023,284	3,233,318	6,608,680	15,293,927	8,685,247	5,342
	1914	39	2,972	9,359,733	1,800,203	2,645,835	7,256,792	4,610,957	8,406
Salt.....	1919	86	6,495	47,725,231	7,353,420	16,027,791	37,513,821	21,486,030	43,187
	1914	98	5,089	33,151,134	3,041,294	6,273,030	14,070,333	7,797,303	29,007
Sand and emery paper and cloth.....	1919	12	771	9,057,698	840,766	5,060,501	9,303,784	4,243,173	3,977
	1914	12	681	5,278,790	359,201	2,688,530	4,328,127	1,641,697	3,153
Sand-lime brick.....	1919	32	504	2,220,760	501,854	575,402	1,663,052	1,087,650	4,358
	1914	45	557	2,184,896	321,956	350,484	994,199	643,715	5,606
Sausage, not made in slaughtering and meat- packing establishments.....	1919	638	3,471	13,777,265	4,670,118	43,940,356	56,610,092	12,669,736	12,713
	1914	512	2,244	5,201,366	1,607,426	17,291,623	22,013,506	4,721,883	7,930
Saws.....	1919	112	5,510	26,665,369	6,280,807	11,702,224	31,460,557	19,668,333	15,098
	1914	100	4,560	15,860,308	3,019,497	4,714,186	12,517,165	7,802,979	11,793

¹ Included in "all other industries" in 1914.

CENSUS OF MANUFACTURES: 1919.

TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.

[See note at head of this table, p. 16.]

INDUSTRY.	Census year.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Scales and balances	1919	79	5,432	\$22,924,843	\$6,533,978	\$6,993,682	\$20,641,038	\$13,647,356	7,451
	1914	83	4,487	13,894,989	2,933,696	3,174,487	9,733,721	6,589,264	6,201
Screws, machine	1919	143	10,292	53,569,817	12,104,780	14,983,868	40,015,460	25,031,502	23,540
	1914	66	3,043	9,762,011	2,309,634	3,057,968	7,247,502	4,189,534	7,988
Screws, wood	1919	11	4,889	14,032,800	4,864,613	5,551,503	15,450,582	9,908,010	7,764
	1914	12	4,440	10,539,484	1,950,498	2,350,160	6,216,940	3,866,784	8,044
Sewing-machine cases	1919	5	4,171	17,331,959	5,161,120	8,018,270	14,243,408	6,225,198	10,656
	1914	4	3,699	6,425,153	2,230,181	2,840,781	5,845,663	3,004,882	6,031
Sewing machines and attachments	1919	40	15,059	71,363,920	19,333,378	16,384,134	43,694,919	27,310,785	21,370
	1914	40	14,308	34,460,624	8,890,843	7,358,664	21,391,917	14,033,233	18,198
Shipbuilding, steel	1919	162	344,014	1,208,640,254	538,372,576	643,752,814	1,456,480,516	\$12,736,702	475,567
	1914	79	33,603	132,712,414	25,165,792	29,269,727	66,216,692	36,916,065	83,706
Shipbuilding, wooden, including boat building	1919	913	43,432	120,807,506	59,074,072	66,769,892	105,871,745	99,101,883	78,144
	1914	1,068	10,981	23,347,524	7,765,364	9,327,243	22,465,379	13,138,136	31,027
Shirts	1919	898	39,603	102,012,047	25,833,855	127,087,745	205,327,133	78,239,388	14,944
	1914	792	51,972	50,943,841	19,169,667	50,664,974	95,815,013	45,150,030	17,017
Show cases	1919	119	1,857	5,377,884	1,995,600	4,032,123	8,294,308	4,202,185	4,423
	1914	132	2,257	4,154,781	1,466,223	2,248,276	5,233,225	2,084,919	4,145
Signs and advertising novelties	1919	779	10,432	29,249,138	9,715,216	16,071,924	43,343,003	27,271,160	7,730
	1914	776	9,560	21,288,019	5,933,044	9,058,788	24,792,210	15,753,422	7,370
Silk goods	1919	1,360	126,782	592,732,103	108,226,330	388,409,022	688,460,523	300,000,501	178,825
	1914	902	108,170	210,071,079	47,108,469	144,442,321	254,011,257	109,585,936	116,024
Silversmithing and silver ware	1919	90	6,453	34,405,322	7,359,409	13,060,929	29,126,133	16,045,204	6,940
	1914	108	7,070	27,941,934	4,795,347	8,275,506	18,780,317	11,510,811	8,239
Slaughtering and meat packing	1919	1,304	160,996	1,176,483,648	200,489,263	3,782,920,533	4,246,200,614	463,381,081	359,212
	1914	1,279	98,832	534,273,503	62,135,722	1,441,002,658	1,051,965,423	210,302,700	253,006
Smelting and refining, copper	1919	84	17,345	308,680,268	25,723,371	584,410,173	651,101,591	66,691,418	321,010
	1914	37	17,781	171,419,795	16,149,251	370,157,030	441,021,958	61,804,928	194,080
Smelting and refining, lead	1919	25	6,488	115,676,768	9,170,015	170,373,646	196,794,510	17,420,873	52,565
	1914	22	7,385	143,249,321	6,134,274	154,014,746	171,578,587	17,503,822	29,734
Smelting and refining, zinc	1919	39	13,796	98,757,355	17,783,278	70,014,728	104,122,938	34,108,210	73,004
	1914	29	9,617	36,388,438	6,690,620	39,572,587	58,583,398	13,965,811	30,705
Smelting and refining, metals, not elsewhere specified	1919	13	2,041	20,227,544	2,963,148	14,957,367	20,074,504	5,117,137	11,700
Smelting and refining, not from the ore	1919	81	2,167	22,150,513	3,098,140	40,075,880	50,240,088	9,570,208	7,921
	1914	84	2,585	21,455,956	1,884,325	31,250,707	38,902,114	8,651,407	10,075
Soap	1919	348	20,486	212,416,800	21,228,063	238,518,858	316,740,115	78,221,257	33,710
	1914	371	14,172	92,871,633	8,087,037	88,868,786	127,942,441	39,075,665	35,737
Soda-water apparatus	1919	66	2,599	14,711,872	3,232,398	6,620,808	15,185,370	8,558,502	4,146
	1914	67	2,229	10,418,828	1,661,245	3,883,076	8,781,437	4,808,381	3,726
Sporting and athletic goods	1919	188	6,412	19,951,458	5,759,903	11,969,388	23,830,991	11,870,603	6,875
	1914	162	5,602	8,468,318	2,770,891	6,051,870	13,234,677	6,282,807	3,366
Springs, steel, car and carriage, not made in steel works or rolling mills	1919	112	8,981	45,472,293	11,157,874	28,010,180	51,479,535	23,400,356	10,585
	1914	84	3,703	11,082,068	2,601,848	6,142,927	11,504,992	5,452,005	8,008
Stamped and enameled ware, not elsewhere specified	1919	323	34,248	132,222,694	34,851,311	65,450,052	143,053,877	78,197,225	51,441
	1914	270	28,731	68,970,005	18,242,586	32,472,230	65,121,301	32,049,071	34,767
Stationery goods, not elsewhere specified	1919	223	11,261	36,700,000	9,577,867	28,180,230	58,363,244	30,203,005	8,342
	1914	189	7,728	18,186,164	3,791,012	10,762,028	21,903,060	11,140,438	5,703
Statuary and art goods	1919	195	1,486	3,145,853	1,710,067	1,378,540	5,019,521	3,640,981	684
	1914	190	1,088	3,394,192	1,582,745	842,289	3,909,509	3,037,280	826
Steam fittings and steam and hot-water heating apparatus	1919	261	36,080	133,097,464	45,742,525	72,016,303	160,285,488	88,209,095	67,604
	1914	295	26,388	85,852,925	10,737,879	26,921,102	63,922,434	37,001,332	38,630
Steam packing	1919	169	6,147	38,934,462	7,103,275	22,724,561	40,524,770	17,800,218	26,763
	1914	149	4,213	17,708,243	2,524,603	8,175,630	14,212,595	6,030,965	17,254
Steel barrels, drums, and tanks, portable	1919	33	3,322	18,218,312	4,435,444	15,151,210	24,042,050	9,791,440	10,654
Stencil and brands	1919	84	417	1,111,338	428,706	514,241	1,597,785	1,083,544	374
	1914	107	446	862,904	300,981	332,415	1,102,557	770,142	411
Stereotyping and electrotyping	1919	171	3,864	7,860,376	5,002,545	4,234,470	15,919,014	11,084,535	9,613
	1914	189	3,457	4,708,797	3,001,360	2,254,926	8,154,171	5,890,245	6,983
Stoves and hot-air furnaces	1919	412	32,808	122,813,373	41,321,133	54,808,816	145,717,903	80,914,647	40,470
	1914	438	29,585	78,523,782	20,777,272	28,801,785	67,941,106	44,139,321	41,100
Stoves, gas and oil	1919	176	10,565	45,734,309	12,578,830	24,471,970	55,792,020	31,320,059	11,295
	1914	113	7,790	16,646,207	5,088,216	10,153,185	21,448,932	11,295,747	7,954
Structural ironwork, not made in steel works or rolling mills	1919	1,140	43,962	219,470,065	59,920,132	168,800,715	204,902,419	120,161,704	165,347
	1914	1,235	47,167	144,092,277	33,428,013	87,621,537	159,377,837	71,766,320	108,374
Sugar, beet	1919	85	11,781	224,584,678	15,908,118	87,029,144	149,155,892	62,605,210	127,304
	1914	60	7,997	142,181,326	6,606,204	41,399,361	21,205,849	76,361	76,705

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

² Included in "foundry and machine shops" prior to 1919.

CENSUS OF MANUFACTURES: 1919.

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TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.

[See note at head of this table, p. 16.]

INDUSTRY.	Census year.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
Sugar, cane.....	1919	202	6,101	\$5,117,127	\$4,009,369	\$44,143,416	\$57,741,320	\$13,597,904	101,861
	1914	181	3,632	32,996,524	1,561,376	15,958,218	21,635,373	5,677,155	113,246
Sugar, refining, not including beet sugar.....	1919	20	18,202	193,540,825	22,710,404	602,143,981	730,986,706	68,842,725	52,541
	1914	18	11,253	140,499,819	7,823,377	204,085,358	289,398,715	25,313,357	49,666
Sulphuric, nitric, and mixed acids.....	1919	39	4,961	51,160,004	7,916,531	15,857,361	31,470,480	15,613,119	30,637
	1914	32	3,064	35,233,800	2,212,547	6,734,428	15,215,474	8,481,046	24,927
Surgical appliances.....	1919	268	6,300	33,063,371	6,084,143	22,213,621	43,533,860	21,320,239	12,387
	1914	238	4,282	11,883,283	2,211,246	7,007,532	14,919,984	7,822,452	6,361
Suspenders, garters, and elastic woven goods.....	1919	196	10,857	39,076,870	9,270,130	30,360,218	60,774,052	24,405,434	9,028
	1914	216	9,646	16,343,686	4,276,126	15,191,194	24,432,753	9,241,550	7,524
Textile machinery and parts ¹	1919	432	31,823	129,797,903	36,528,729	45,636,628	122,080,264	76,452,036	41,997
Theatrical scenery.....	1919	17	149	572,878	237,003	504,655	1,067,033	562,378	104
	1914	7	88	205,570	89,359	124,577	326,965	202,388	65
Tin and other foils, not elsewhere specified.....	1919	15	1,908	11,998,436	1,759,320	13,007,900	17,920,834	4,912,844	6,891
	1914	14	1,031	3,348,768	527,443	3,671,815	5,067,967	1,396,152	2,458
Tin plate and terneplate.....	1919	24	3,122	34,315,060	5,756,417	73,422,649	97,404,720	23,982,071	18,697
	1914	31	5,238	26,847,380	3,924,447	57,900,561	68,342,962	10,436,401	9,355
Thiware, not elsewhere specified.....	1919	301	34,386	198,386,695	34,493,399	105,170,736	233,984,000	68,793,264	30,469
	1914	294	22,584	118,218,418	12,217,359	53,840,817	81,930,880	28,050,063	19,139
Tobacco, chewing and smoking, and snuff.....	1919	385	18,324	188,444,100	12,674,730	130,270,388	239,270,718	109,000,330	18,803
	1919	436	25,980	131,857,895	9,549,702	76,604,059	175,280,925	98,676,866	21,273
Tobacco, cigars, and cigarettes.....	1919	9,926	138,773	416,395,472	111,313,348	353,297,366	773,062,495	420,365,129	24,504
	1914	13,515	152,892	171,982,357	68,306,398	130,520,525	314,884,297	184,354,772	13,684
Tools, not elsewhere specified.....	1919	1,125	35,585	134,731,947	43,836,069	45,706,967	144,201,668	98,404,701	68,381
	1914	661	16,866	47,018,493	10,216,885	12,235,269	33,892,511	21,657,242	38,474
Toys and games.....	1919	541	14,201	27,738,500	11,847,277	19,841,498	45,856,803	25,815,305	14,449
	1914	290	7,887	10,483,843	3,498,866	5,779,494	13,756,748	7,977,254	6,789
Trunks and valises.....	1919	597	11,470	34,258,034	12,403,707	33,222,432	63,032,266	30,709,834	7,703
	1914	561	9,911	18,570,817	5,540,157	13,625,457	26,471,527	12,846,070	7,566
Turpentine and resin.....	1919	1,101	28,087	33,595,986	16,972,881	13,929,888	53,051,204	39,121,408	2,303
	1914	1,394	34,817	20,744,872	8,582,970	5,535,561	20,990,191	15,454,630	2,478
Type founding.....	1919	23	810	4,428,644	867,517	943,245	2,059,757	1,146,512	850
	1914	31	1,054	5,515,602	665,861	901,331	2,319,781	1,418,450	1,057
Typewriters and supplies.....	1919	88	15,689	47,704,300	17,009,432	16,143,602	52,737,661	36,593,999	13,066
	1914	107	11,091	30,988,048	6,066,466	5,501,036	24,499,667	18,998,631	10,887
Umbrellas and canes.....	1919	198	3,308	15,307,275	3,139,662	15,632,980	25,308,820	9,675,837	3,388
	1914	265	4,792	9,469,496	2,167,453	8,501,807	13,813,853	5,221,486	2,579
Upholstering materials, not elsewhere specified.....	1919	163	4,810	32,550,564	4,687,307	25,448,893	39,889,711	14,440,818	10,826
	1914	179	4,426	15,878,593	2,143,567	10,706,288	16,401,556	5,695,268	18,753
Varnishes.....	1919	220	4,022	62,461,021	4,567,788	51,508,256	83,632,424	32,124,168	11,497
	1914	215	2,734	20,860,798	1,865,065	16,877,393	33,214,949	16,337,566	7,686
Vault lights and ventilators.....	1910	41	316	903,670	424,197	810,570	2,155,864	1,345,285	270
	1914	45	601	1,054,471	450,977	958,754	2,051,051	1,092,297	491
Vinegar and cider.....	1919	720	1,981	20,514,590	2,047,460	15,558,525	24,722,610	9,184,085	17,943
	1914	618	1,229	8,054,609	712,687	4,440,452	7,810,892	3,370,440	13,162
Wall paper, not made in paper mills.....	1919	48	4,282	19,921,577	3,882,398	13,152,503	23,047,901	9,885,398	8,158
	1914	48	4,738	17,619,806	2,703,175	8,536,255	15,887,123	7,350,868	7,010
Wall plaster and composition flooring.....	1919	161	5,123	25,307,049	5,833,617	11,821,465	20,874,057	15,053,192	32,358
	1914	165	5,380	29,510,972	3,453,450	7,992,749	16,544,475	8,551,726	30,626
Washing machines and clothes wringers.....	1919	105	5,056	25,986,355	6,431,378	23,388,925	40,771,285	17,382,380	8,836
	1914	111	2,302	7,298,057	1,220,882	4,148,481	7,599,302	3,451,321	4,903
Waste.....	1919	92	2,686	19,472,471	2,108,840	22,144,087	29,700,402	7,556,315	11,391
	1914	73	2,966	10,668,037	1,190,613	15,237,633	17,600,093	2,362,460	8,513
Watch and clock materials, except watch cases.....	1919	27	582	1,020,628	412,820	549,521	1,341,697	792,176	252
	1914	25	670	1,296,290	370,614	342,621	1,014,549	671,928	226
Watch cases.....	1919	33	3,000	21,790,556	4,000,727	8,205,754	19,618,773	11,413,019	4,275
	1914	31	3,514	11,220,024	1,938,353	4,001,695	7,830,987	3,829,392	2,336
Watches.....	1919	18	15,888	49,000,742	16,598,806	6,302,562	32,044,299	25,651,737	7,202
	1914	15	12,390	36,388,700	7,524,146	2,669,511	14,275,279	11,605,768	6,624
Wheelbarrows.....	1919	11	291	1,151,067	271,442	971,096	1,079,538	708,442	765
	1914	21	323	947,068	199,043	429,480	941,872	512,392	1,198
Whips.....	1919	26	717	2,461,021	582,230	1,096,642	2,986,285	1,889,643	853
	1914	40	1,163	3,049,736	589,448	1,340,943	3,161,910	1,820,967	1,076
Windmills.....	1919	31	1,932	10,004,563	2,145,301	4,960,426	9,932,585	4,972,150	4,761
	1914	31	1,955	6,425,729	1,252,330	2,555,121	5,496,591	2,941,470	3,997
Window and door screens and weather strips.....	1919	214	2,179	9,749,337	2,046,768	4,897,389	10,932,857	6,035,468	7,580
	1914	220	3,194	9,354,508	1,894,257	4,260,500	9,167,288	4,906,719	8,138

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

CENSUS OF MANUFACTURES: 1919.

TABLE 16.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY INDUSTRIES: 1919 AND 1914—Continued.
 [See note at head of this table, p. 16.]

INDUSTRY.	Census year.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse- power.
Window shades and fixtures.....	1919	287	4,411	\$18,698,914	\$3,669,288	\$18,249,510	\$29,190,049	\$10,941,109	8,948
	1914	286	4,077	11,525,919	2,180,583	11,888,560	17,444,120	5,555,551	6,607
Wire.....	1919	66	19,741	102,016,777	29,289,667	102,813,591	162,151,236	59,337,645	119,451
	1914	54	17,600	64,013,668	11,020,729	56,424,494	81,841,012	25,416,518	83,940
Wirework, not elsewhere specified.....	1919	558	15,224	65,290,309	15,505,992	50,754,070	90,549,245	39,795,175	29,074
	1914	552	12,120	38,508,819	6,719,222	24,113,708	41,780,394	17,075,680	21,547
Wood distillation.....	1919	115	4,946	42,334,503	5,308,689	20,069,651	32,545,314	12,485,663	15,938
	1914	95	2,782	17,562,849	1,564,822	6,495,570	9,882,537	3,386,907	10,046
Wood preserving.....	1919	73	3,978	28,133,079	4,342,277	23,241,858	33,239,313	9,997,455	18,268
	1914	68	2,830	20,154,830	1,784,690	16,059,754	21,054,857	4,095,103	11,801
Wood, turned and carved.....	1919	722	10,649	23,542,346	9,307,242	16,609,215	34,847,139	18,237,924	39,958
	1914	828	11,615	17,836,242	5,045,399	9,165,720	10,016,579	9,880,850	43,334
Wooden goods, not elsewhere specified.....	1919	245	6,443	21,110,717	5,061,674	10,173,353	21,703,261	11,019,908	25,908
	1914	274	6,418	10,439,768	2,767,359	4,952,333	10,162,236	5,209,301	20,711
Wool pulling.....	1919	24	705	8,853,437	909,788	12,809,592	17,301,231	4,551,639	2,162
	1914	34	708	3,634,203	452,190	6,632,101	8,272,721	1,640,620	2,248
Wool scouring.....	1919	33	2,177	10,049,960	2,800,453	7,328,350	13,679,584	6,451,234	9,790
	1914	24	1,059	3,493,474	616,593	3,170,438	4,505,412	1,388,074	7,579
Wool shoddy.....	1919	78	2,566	16,990,722	2,653,160	10,076,315	23,254,398	7,178,083	16,694
	1914	64	2,145	6,420,985	1,056,114	5,200,903	7,706,843	2,406,040	12,440
Woolen and worsted goods.....	1919	852	166,787	831,694,748	168,108,681	665,594,683	1,005,434,072	390,839,389	408,480
	1914	799	158,692	389,652,578	75,953,444	240,400,666	379,484,379	132,987,713	381,220
All other industries ¹	1919	5	99	131,358	89,798	190,589	301,431	161,842	164
	1914	14	523	3,628,105	400,613	702,625	1,060,986	898,361	1,158

¹ Comprises: In 1919, "straw goods, not elsewhere specified," 1 establishment; "whalebone cutting," 1; "wood carpet," 3. In 1914, "millstones," 2 establishments; "ordnance and accessories," 2; "pulp, from fiber other than wood," 3; "whalebone cutting," 1; "wood carpet," 6.

CENSUS OF MANUFACTURES: 1919.

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TABLE 17.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISIONS AND STATES: 1919, 1914, 1909, AND 1904.

DIVISION AND STATE.	Census year.	Number of establishments.	Wage earners (average number).	Capital	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
United States.....	1919	280,105	9,096,372	\$44,466,593,771	\$10,533,400,340	\$37,376,380,283	\$62,418,076,773	\$25,041,698,490	29,504,792
	1914	275,781	7,038,247	22,790,979,937	4,078,332,433	14,368,085,831	24,246,434,724	9,876,345,893	22,437,072
	1909	268,491	6,615,046	18,428,269,706	3,427,037,884	12,142,790,878	20,672,051,870	8,529,260,992	18,675,376
	1904	216,180	5,468,883	12,675,580,874	2,610,444,953	8,500,207,810	14,792,902,553	6,293,094,753	13,487,707
GEOGRAPHIC DIVISIONS:									
New England.....	1919	25,528	1,351,389	5,656,400,560	1,439,436,587	3,951,908,159	7,183,070,799	3,231,162,640	3,700,840
	1914	25,193	1,140,233	2,948,039,652	928,409,840	1,657,673,962	2,926,075,392	1,209,001,430	3,124,329
	1909	25,351	1,101,290	2,503,853,713	557,630,825	1,476,296,878	2,670,065,114	1,193,768,236	2,715,121
	1904	22,279	940,752	1,870,995,405	439,050,232	1,116,272,902	2,025,998,437	909,725,535	2,125,815
Middle Atlantic.....	1919	88,300	2,872,653	15,005,880,602	3,464,931,287	11,424,095,820	19,854,772,760	8,430,676,934	8,537,060
	1914	85,466	2,355,940	7,830,070,488	1,370,130,988	4,680,692,671	8,053,643,965	3,372,651,294	8,699,576
	1909	81,315	2,207,747	6,505,674,030	1,152,507,062	4,159,497,720	7,141,761,302	2,982,283,573	5,531,602
	1904	67,099	1,880,565	4,742,856,077	926,144,542	2,961,995,169	5,218,285,936	2,256,270,707	4,255,264
East North Central.....	1919	61,332	2,896,618	12,153,594,576	2,992,930,744	10,621,087,089	17,737,479,599	7,115,702,510	7,735,137
	1914	59,896	1,680,281	5,018,050,941	1,072,537,914	3,795,038,717	6,542,200,553	2,747,221,836	5,421,435
	1909	60,013	1,513,764	4,547,224,919	827,152,163	3,034,471,995	5,211,702,164	2,177,230,169	4,382,070
	1904	51,754	1,224,528	2,885,446,016	615,643,034	2,045,536,931	3,805,388,132	1,559,831,201	3,120,309
West North Central.....	1919	29,166	490,635	2,679,026,453	546,172,557	3,778,125,220	5,187,004,766	1,408,930,540	1,594,112
	1914	27,199	381,595	1,424,181,443	235,471,269	1,397,810,758	2,032,192,277	634,351,519	1,238,988
	1909	27,171	374,337	1,171,571,003	204,792,232	1,241,855,103	1,803,888,550	502,043,447	1,101,900
	1904	21,492	312,301	867,993,933	157,842,631	862,010,652	1,284,445,802	422,435,150	753,700
South Atlantic.....	1919	20,976	817,212	3,322,832,432	778,026,847	2,506,204,687	4,455,151,691	1,858,887,004	2,795,094
	1914	28,925	685,252	1,644,538,828	293,002,910	1,003,088,300	1,682,999,099	679,930,733	2,274,785
	1909	28,088	663,015	1,308,474,802	244,377,560	799,004,382	1,381,186,210	501,181,848	1,332,001
	1904	19,564	522,611	930,410,780	175,400,785	550,101,771	974,028,415	423,020,644	1,221,040
East South Central.....	1919	14,655	329,226	1,296,448,908	298,710,318	977,824,517	1,642,391,401	664,566,944	1,415,577
	1914	14,410	264,378	713,357,152	117,986,768	887,010,914	700,668,128	318,657,212	1,157,367
	1909	16,381	261,772	588,270,112	102,191,252	336,163,251	630,488,093	294,324,842	1,036,560
	1904	10,311	221,229	405,361,127	83,941,797	232,156,463	464,335,811	212,179,348	753,928
West South Central.....	1919	13,909	285,244	1,463,837,800	293,021,663	1,547,993,571	2,277,861,293	729,867,722	1,185,989
	1914	12,417	211,940	657,818,981	116,128,611	526,906,846	802,538,231	275,631,385	965,500
	1909	12,338	204,520	547,739,260	97,646,249	382,131,006	623,443,045	243,311,949	873,350
	1904	8,279	143,470	328,900,012	67,127,729	246,882,233	418,331,482	168,399,249	555,717
Mountain.....	1919	7,612	100,216	833,984,188	141,900,042	610,230,118	922,670,092	312,436,974	686,579
	1914	6,079	81,113	469,071,356	66,357,828	272,214,936	437,567,910	165,352,974	460,278
	1909	5,254	75,435	348,976,816	50,870,162	228,002,232	363,995,598	135,303,366	400,760
	1904	3,610	52,790	220,568,554	39,046,218	152,812,347	254,063,264	101,850,917	241,825
Pacific.....	1919	10,567	435,179	2,044,970,192	581,209,395	1,888,222,000	3,157,610,312	1,289,368,222	1,757,708
	1914	10,206	235,515	1,153,321,006	178,247,510	647,131,661	1,067,580,171	420,547,510	1,094,814
	1909	13,579	213,186	848,477,461	153,809,779	498,078,232	843,611,794	349,833,562	802,016
	1904	11,192	164,077	423,023,370	100,187,485	312,489,342	551,565,284	239,075,942	460,049
NEW ENGLAND:									
Maine.....	1919	2,995	88,651	419,158,006	94,225,346	254,568,523	456,821,783	202,253,260	547,028
	1914	3,978	82,140	233,844,434	43,253,703	117,654,909	200,450,118	82,785,209	487,211
	1909	3,546	78,565	202,250,592	37,632,284	97,101,224	170,028,393	78,928,169	469,590
	1904	3,145	74,058	143,707,750	32,691,750	80,042,090	144,020,197	63,978,107	343,027
New Hampshire.....	1919	1,490	88,074	320,166,870	79,320,341	239,527,617	407,204,934	167,677,317	349,138
	1914	1,736	78,993	156,748,853	40,642,303	114,993,435	182,843,863	67,850,423	344,093
	1909	1,961	78,658	139,980,602	36,200,262	98,157,016	164,581,019	66,424,003	293,981
	1904	1,618	65,366	100,495,072	27,693,203	73,216,387	123,610,904	50,394,517	218,344
Vermont.....	1919	1,790	33,491	134,314,391	34,083,935	95,172,581	168,108,072	72,935,491	185,095
	1914	1,772	32,704	79,816,775	18,617,075	42,705,720	76,900,074	34,285,264	172,687
	1909	1,958	33,788	73,470,107	17,271,702	34,822,728	63,809,824	33,487,096	159,445
	1904	1,690	33,106	62,658,741	15,221,059	32,429,852	63,083,611	30,653,759	140,616
Massachusetts.....	1919	11,906	713,836	2,947,108,527	706,623,337	2,260,713,036	4,011,181,532	1,750,468,496	1,729,878
	1914	12,013	606,698	1,548,960,733	341,300,517	931,382,703	1,641,373,047	709,089,264	1,390,792
	1909	11,684	584,550	1,279,686,558	301,173,104	830,764,943	1,490,529,336	659,764,443	1,175,071
	1904	10,723	488,399	945,948,887	232,388,946	626,410,431	1,124,092,051	497,681,620	938,007
Rhode Island.....	1919	2,466	139,665	504,337,448	137,495,377	415,989,203	747,822,858	331,333,655	321,016
	1914	2,190	113,425	308,444,568	50,386,292	182,425,219	279,546,873	117,120,654	206,854
	1909	1,951	113,538	290,901,270	55,284,068	158,191,574	280,843,797	122,152,223	226,740
	1904	1,617	97,318	215,901,375	43,112,918	112,872,261	202,109,583	89,237,322	181,017
Connecticut.....	1919	4,872	292,672	1,232,324,318	324,682,251	685,037,199	1,392,431,620	706,494,421	664,691
	1914	4,104	228,264	620,104,294	125,218,360	288,510,886	546,471,517	250,980,631	455,812
	1909	4,251	210,792	517,516,554	110,110,045	267,259,303	490,271,685	233,012,302	400,275
	1904	3,477	181,005	373,283,580	87,942,028	191,301,881	369,088,091	177,780,210	304,204
MIDDLE ATLANTIC:									
New York.....	1919	49,330	1,228,130	8,012,082,567	1,468,206,804	4,943,213,919	8,867,004,900	3,923,790,987	2,930,530
	1914	48,203	1,057,857	3,334,277,526	681,042,011	2,108,607,361	3,814,661,114	1,706,053,753	2,356,655
	1909	44,936	1,003,981	2,770,406,814	557,230,339	1,850,904,312	3,389,480,192	1,512,585,850	1,007,662
	1904	37,194	856,047	2,031,459,515	430,014,851	1,348,608,286	2,488,345,579	1,139,742,293	1,510,592
New Jersey.....	1919	11,057	508,686	2,815,577,127	600,658,345	2,270,473,279	3,672,064,987	1,401,591,708	1,146,744
	1914	9,742	373,005	1,352,381,878	211,136,460	883,464,594	1,406,033,414	523,168,820	793,083
	1909	8,817	326,223	977,172,141	169,710,033	720,033,309	1,145,620,076	425,495,677	612,293
	1904	7,010	266,386	715,060,174	128,168,301	470,446,176	774,869,025	303,919,849	430,274
Pennsylvania.....	1919	27,973	1,135,837	8,177,720,968	1,406,066,188	4,210,408,628	7,315,702,867	3,105,204,230	4,454,386
	1914	27,521	924,478	3,149,411,089	527,952,517	1,638,920,716	2,832,349,437	1,143,428,721	3,540,858
	1909	27,563	877,643	2,749,005,975	465,626,790	1,582,559,988	2,626,274,034	1,044,182,046	2,921,647
	1904	23,495	763,282	1,995,836,988	367,960,890	1,142,942,707	1,955,551,332	812,608,625	2,302,598

CENSUS OF MANUFACTURES: 1919.

TABLE 17.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISIONS AND STATES; 1919, 1914, 1909, AND 1904—Continued.

DIVISION AND STATE.	Census year.	Number of establish-ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
EAST NORTH CENTRAL:									
Ohio.....	1919	16,125	730,788	\$3,748,743,900	\$944,651,734	\$2,911,947,871	\$5,100,308,728	\$2,188,360,857	2,897,497
	1914	15,655	510,435	1,877,551,633	317,923,813	1,020,782,015	1,782,808,279	702,026,264	1,903,080
	1909	15,138	446,934	1,300,732,732	245,449,904	824,201,947	1,437,935,817	613,733,870	1,583,155
	1904	13,785	364,298	856,988,830	182,429,425	527,036,585	960,811,857	433,175,272	1,116,932
Indiana.....	1919	7,916	277,580	1,335,714,103	317,042,997	1,174,950,508	1,898,733,387	723,802,819	1,095,912
	1914	8,022	197,503	688,865,232	119,268,320	423,857,157	730,795,021	300,937,804	709,703
	1909	7,969	180,984	508,717,197	95,510,616	334,374,753	579,075,046	244,700,203	633,377
	1904	7,044	154,174	312,071,234	72,088,099	220,507,007	393,954,405	173,447,398	380,788
Illinois.....	1919	18,593	653,114	3,366,452,909	801,087,359	3,488,270,440	5,425,244,894	1,938,974,248	1,660,918
	1914	18,388	508,943	1,943,835,846	340,910,325	1,340,183,407	2,247,322,819	907,130,412	1,305,830
	1909	15,026	465,764	1,545,170,701	273,319,005	1,160,928,690	1,019,276,594	758,349,904	1,013,071
	1904	14,921	379,438	975,844,790	203,405,468	840,057,316	570,284,813	741,555	
Michigan.....	1919	8,305	471,242	2,340,054,312	639,708,003	1,919,243,243	3,406,188,483	1,546,945,240	1,202,128
	1914	8,724	271,000	889,143,114	182,252,284	592,801,064	1,088,102,432	403,361,308	730,383
	1909	9,169	231,499	583,946,965	118,967,830	368,612,022	805,109,169	316,407,147	595,288
	1904	7,446	175,229	337,849,102	81,278,837	230,080,931	429,120,060	199,030,120	440,890
Wisconsin.....	1919	10,383	263,949	1,361,729,196	290,440,501	1,127,274,961	1,840,984,307	719,700,346	878,682
	1914	9,104	194,310	752,287,116	112,193,163	1,177,415,074	695,172,002	277,750,028	682,330
	1909	9,721	182,583	605,657,324	93,904,808	345,356,583	590,305,538	243,948,955	554,179
	1904	8,588	151,391	412,847,051	71,471,805	227,255,092	411,130,081	183,884,589	440,234
WEST NORTH CENTRAL:									
Minnesota.....	1919	6,225	115,623	679,386,486	127,106,505	883,089,777	1,218,120,735	335,030,058	473,857
	1914	5,974	92,834	354,484,177	58,507,013	330,849,214	493,354,136	156,504,922	358,737
	1909	5,501	87,787	275,416,029	47,470,803	281,622,287	409,419,021	127,797,334	297,070
	1904	4,788	69,636	184,903,271	35,843,145	210,553,949	307,858,073	70,304,121	220,034
Iowa.....	1919	5,083	80,551	403,205,513	90,117,189	520,240,807	745,472,097	225,231,890	242,946
	1914	5,614	63,113	283,128,542	39,359,510	205,451,339	310,749,974	105,298,035	190,049
	1909	5,528	61,036	171,218,004	32,641,381	170,707,048	260,237,637	88,530,580	155,384
	1904	4,785	49,481	111,427,429	22,997,068	102,843,892	160,572,813	57,728,421	118,065
Missouri.....	1919	8,592	195,037	938,760,770	196,516,353	1,056,457,164	1,504,208,338	537,751,174	477,303
	1914	8,384	152,182	522,548,083	89,197,477	388,714,859	637,952,128	240,237,269	391,885
	1909	8,375	152,993	444,243,135	80,842,778	354,411,151	574,111,070	219,089,019	340,407
	1904	6,464	137,167	379,388,827	66,844,126	252,258,417	439,648,957	187,200,540	247,881
North Dakota.....	1919	894	4,472	24,540,838	5,401,330	44,489,499	57,373,622	12,884,123	17,701
	1914	609	3,275	14,213,302	4,466,235	14,484,315	21,147,431	6,003,118	14,062
	1909	752	2,789	11,584,747	1,787,405	13,673,590	19,137,606	5,468,916	13,198
	1904	507	1,755	5,703,837	1,031,307	7,005,086	10,217,914	3,121,928	9,873
South Dakota.....	1919	1,414	6,882	30,933,030	7,905,426	42,985,870	62,170,782	19,184,912	22,191
	1914	808	3,788	15,050,583	2,628,152	17,079,357	24,138,508	7,059,209	16,324
	1909	1,020	3,602	13,017,932	2,297,512	11,476,360	17,870,135	6,393,745	17,886
	1904	686	2,482	7,585,142	1,421,680	8,090,831	13,085,333	4,388,502	11,154
Nebraska.....	1919	2,884	36,521	245,256,684	46,066,755	480,774,122	506,042,498	115,208,370	125,814
	1914	2,492	25,144	121,007,944	16,893,345	174,113,684	221,015,848	47,502,164	59,286
	1909	2,500	24,336	99,901,059	13,947,145	151,089,971	199,018,579	47,037,008	64,466
	1904	1,819	20,260	80,235,310	11,022,149	124,051,628	154,918,220	30,800,592	46,372
Kansas.....	1919	3,474	61,049	357,584,120	73,060,019	750,087,987	913,887,004	163,570,107	234,110
	1914	3,136	41,259	163,789,752	26,969,537	261,117,980	323,234,194	62,086,204	179,146
	1909	3,435	44,215	156,096,067	25,903,960	258,883,708	326,104,002	66,220,200	213,141
	1904	2,475	35,570	88,680,117	18,883,071	160,509,949	198,244,002	41,735,043	96,441
SOUTH ATLANTIC:									
Delaware.....	1919	668	29,035	148,207,598	37,265,319	85,432,933	165,073,000	79,640,076	85,150
	1914	808	22,155	63,323,927	11,382,180	31,649,265	56,034,966	24,385,701	64,403
	1909	726	21,288	60,905,671	10,295,508	30,937,301	52,839,619	21,901,818	52,779
	1904	631	18,475	50,928,630	8,158,203	24,883,806	41,100,278	16,276,470	49,490
Maryland.....	1919	4,937	140,342	619,806,983	147,868,545	540,347,379	873,944,774	324,597,395	406,768
	1914	4,797	111,585	293,210,925	63,702,339	288,971,973	377,749,078	138,777,105	263,763
	1909	4,837	107,921	251,226,828	45,435,829	199,048,905	315,069,150	116,020,245	218,244
	1904	3,852	94,174	201,877,946	36,144,244	150,024,066	243,375,996	93,351,030	165,449
District of Columbia.....	1919	595	10,482	68,008,179	13,180,031	30,940,100	68,826,570	37,880,470	33,079
	1914	514	8,877	40,810,200	6,068,692	12,239,123	28,978,241	16,739,118	24,775
	1909	518	7,707	39,552,623	4,989,449	10,246,534	25,289,136	15,042,002	16,563
	1904	482	6,298	29,199,788	3,685,370	7,731,971	18,350,159	10,627,188	12,592
Virginia.....	1919	5,603	119,352	463,644,498	120,000,452	371,540,833	643,511,621	271,070,788	419,946
	1914	5,508	102,824	261,501,288	44,873,435	155,319,576	264,080,041	108,719,405	337,507
	1909	5,685	105,676	216,392,388	38,154,588	126,582,087	219,793,858	94,211,171	283,928
	1904	3,187	80,285	147,989,182	27,949,068	86,649,149	148,846,525	88,207,376	176,998
West Virginia.....	1919	2,785	83,036	339,189,678	101,840,420	270,040,598	471,970,877	201,030,281	328,653
	1914	2,749	71,078	175,995,011	43,784,006	110,033,185	193,511,782	83,478,617	278,504
	1909	2,588	63,893	150,922,586	33,000,355	92,877,988	161,949,526	69,071,538	217,496
	1904	2,109	45,758	86,820,823	21,153,042	54,419,206	98,040,670	44,621,470	138,578
North Carolina.....	1919	5,990	157,659	609,144,096	126,680,099	526,906,181	943,807,049	416,901,768	549,878
	5,607	136,844	253,841,808	46,038,447	189,941,971	289,411,987	119,470,016	508,085	
	4,931	121,473	217,185,588	34,354,625	121,861,530	216,655,056	94,704,525	378,556	
	3,272	88,339	141,000,639	21,375,294	79,268,004	142,520,776	63,252,772	216,622	
South Carolina.....	1919	2,004	79,450	374,537,638	62,565,413	227,936,384	381,452,084	153,406,600	395,556
	1,885	71,824	203,210,875	24,173,101	91,008,998	138,801,202	47,882,208	340,224	
	1,864	73,046	173,220,870	20,380,760	66,350,874	219,735,945	46,885,071	276,378	
	1,894	59,441	113,422,224	13,888,950	49,968,628	79,376,282	20,407,638	197,479	
Georgia.....	1919	4,803	123,441	448,700,194	101,180,339	440,400,057	603,237,090	252,747,039	438,608
	4,639	104,461	258,325,811	38,128,407	160,088,609	253,270,511	93,181,902	357,403	
	4,782	104,588	262,277,665	34,804,818	116,969,764	202,883,202	85,803,498	295,241	
	3,219	92,749	135,211,551	27,392,442	83,644,504	151,040,455	67,415,951	220,419	
Florida.....	1919	2,582	74,415	206,293,570	67,433,229	92,680,224	213,326,811	120,646,587	139,454
	2,618	65,608	88,318,983	24,822,323	33,815,688	81,112,291	47,206,808	100,071	
	2,159								

CENSUS OF MANUFACTURES: 1919

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TABLE 17.—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISION AND STATES: 1919, 1914, 1909, AND 1904—Continued.

DIVISION AND STATE.	Census year.	Number of establish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
EAST SOUTH CENTRAL:									
Kentucky.....	1919	3,957	69,340	\$276,585,395	\$67,083,546	\$235,715,626	\$395,660,417	\$150,944,791	247,573
	1914	4,184	64,586	193,423,069	31,820,283	114,820,223	230,248,969	115,419,686	238,314
	1909	4,776	65,400	172,778,805	27,887,672	111,779,317	223,754,497	111,975,180	230,224
	1904	3,734	59,794	147,282,478	24,438,684	86,545,464	159,753,068	73,208,504	174,625
Tennessee.....	1919	4,580	95,167	410,203,443	81,355,256	344,766,730	556,253,162	211,486,432	338,814
	1914	4,775	74,373	211,423,167	33,082,987	123,430,155	212,071,489	88,641,354	286,857
	1909	4,009	73,840	187,923,784	28,251,591	104,015,834	180,210,548	76,200,714	242,277
	1904	3,175	60,572	102,439,481	22,805,628	79,351,746	137,960,476	58,608,730	175,780
Alabama.....	1919	3,654	107,150	455,592,733	99,065,800	300,664,290	492,730,895	192,066,605	628,376
	1914	3,242	78,717	227,505,432	33,896,871	107,411,434	178,797,638	71,386,199	445,762
	1909	3,398	72,148	173,180,038	27,284,266	83,442,518	145,901,638	62,519,120	347,837
	1904	1,882	62,173	105,382,859	21,878,451	60,458,368	109,169,922	48,711,554	203,185
Mississippi.....	1919	2,455	57,580	154,117,337	51,255,710	96,677,871	197,746,987	101,060,116	200,814
	1914	2,209	46,702	81,006,484	19,176,627	41,340,122	70,550,095	38,200,973	180,434
	1909	2,598	50,384	72,393,485	18,767,723	30,925,582	80,555,410	43,629,828	206,222
	1904	1,520	38,690	50,256,309	14,819,034	25,800,885	57,451,445	31,050,560	110,335
WEST SOUTH CENTRAL:									
Arkansas.....	1919	3,123	40,954	138,817,974	47,186,189	102,812,977	200,312,858	97,490,881	214,104
	1914	2,604	41,970	77,102,485	20,751,731	44,006,808	83,040,587	39,038,770	177,208
	1909	2,925	44,982	70,174,345	19,112,896	34,924,912	74,910,367	39,981,465	173,088
	1904	1,907	33,089	46,306,116	14,543,635	21,796,346	53,864,304	32,065,048	109,509
Louisiana.....	1919	2,617	98,265	462,209,057	94,405,732	431,408,807	676,189,770	244,785,903	385,605
	1914	2,211	77,665	261,635,022	39,544,460	157,886,027	255,312,648	97,426,021	355,103
	1909	2,516	76,165	221,816,398	33,385,904	134,804,775	223,948,638	89,083,863	346,652
	1904	2,091	65,859	150,810,008	25,315,750	117,035,305	180,370,502	69,341,287	251,963
Oklahoma.....	1919	2,445	20,503	277,034,318	35,025,942	312,605,829	401,382,869	88,757,040	139,983
	1914	2,618	17,443	65,477,054	11,011,043	70,969,750	102,005,683	31,035,943	97,308
	1909	2,310	13,143	38,872,938	7,240,177	34,162,894	53,682,405	19,529,511	71,139
	1904	1,123	5,466	16,124,417	2,790,402	16,388,052	24,459,107	8,065,155	29,008
Texas.....	1919	5,724	107,522	585,776,451	116,403,800	701,170,898	999,995,790	298,824,808	443,207
	1914	5,084	74,853	283,543,820	44,821,377	253,144,261	361,279,303	108,185,042	335,701
	1909	4,588	70,230	216,875,570	37,007,272	178,178,515	272,895,635	94,717,120	282,471
	1904	3,158	49,066	115,604,871	24,468,942	91,603,630	150,528,389	58,924,759	104,637
MOUNTAIN:									
Montana.....	1919	1,200	17,100	137,476,277	24,742,562	122,151,924	166,664,518	44,512,594	163,491
	1914	939	13,704	70,246,396	13,001,205	46,743,086	84,446,136	37,702,160	91,671
	1909	677	11,655	44,588,388	10,901,452	49,180,230	73,271,793	24,091,554	90,402
	1904	382	8,957	52,589,810	8,652,217	40,930,060	60,415,452	25,485,392	46,730
Idaho.....	1919	922	13,917	96,061,700	18,548,272	43,048,505	80,510,749	36,562,244	78,876
	1914	698	8,910	44,980,489	7,490,521	14,802,004	28,453,797	13,561,703	50,326
	1909	725	8,220	32,476,749	5,497,047	9,920,017	22,391,860	12,479,843	42,804
	1904	304	3,081	9,089,445	2,050,391	4,068,523	8,768,743	4,700,220	16,987
Wyoming.....	1919	576	6,634	82,287,607	11,188,970	42,250,528	81,445,394	39,194,866	17,869
	1914	337	2,989	29,270,117	2,811,754	5,559,387	11,223,415	5,664,028	10,004
	1909	268	2,887	6,195,109	2,080,763	2,608,189	6,249,078	3,640,899	7,628
	1904	169	1,884	2,695,889	1,261,122	1,300,773	3,528,200	2,222,487	3,004
Colorado.....	1919	2,631	35,254	243,820,617	42,074,870	174,870,275	275,622,335	100,752,060	206,309
	1914	2,126	27,278	181,776,339	20,199,754	89,766,302	138,330,321	47,088,019	162,828
	1909	2,034	28,067	162,667,801	19,012,342	80,490,904	130,044,312	49,553,408	154,615
	1904	1,606	21,813	107,663,500	15,100,365	63,114,397	100,143,990	37,029,602	124,007
New Mexico.....	1919	387	5,736	15,226,253	6,658,462	7,727,483	17,856,602	10,129,119	17,260
	1914	368	3,776	8,083,670	2,695,448	4,430,124	9,320,067	4,899,932	12,468
	1909	313	4,143	7,724,017	2,691,370	8,201,048	7,897,786	4,036,718	15,465
	1904	199	3,478	4,638,248	2,158,068	2,235,934	5,705,880	3,469,946	5,948
Arizona.....	1919	480	8,528	101,486,070	12,014,769	92,645,437	120,769,112	28,123,675	103,958
	322	6,898	40,300,365	6,228,873	30,283,038	64,089,510	24,806,472	54,097	
	311	6,441	32,872,935	5,505,183	33,600,240	50,256,684	16,656,454	39,140	
	169	4,793	14,305,654	3,989,248	14,605,057	28,083,192	13,488,135	21,412	
Utah.....	1919	1,160	18,868	140,785,034	21,454,997	110,154,349	160,933,071	46,778,722	93,042
	1,100	13,894	71,843,168	10,852,332	62,233,180	87,112,360	24,879,180	59,636	
	749	11,785	52,626,640	8,399,634	41,205,601	61,989,277	20,723,610	42,947	
	606	8,052	26,004,011	5,157,400	24,030,827	38,926,464	13,986,637	19,307	
Nevada.....	1919	166	3,119	16,834,561	4,318,022	16,490,017	22,874,311	6,383,694	19,874
	180	3,655	13,500,503	3,577,936	9,316,815	16,083,304	6,706,459	18,748	
	177	2,257	9,806,597	1,981,762	8,365,930	11,886,828	3,520,889	7,765	
	115	802	2,891,967	693,407	1,627,776	3,096,274	1,408,498	2,834	
PACIFIC:									
Washington.....	1919	4,918	132,928	574,235,183	194,968,222	443,177,531	809,622,984	366,445,453	887,436
	3,329	67,205	277,715,262	51,703,052	130,609,309	245,326,456	108,717,147	389,667	
	3,674	60,120	222,261,229	49,760,363	117,887,688	220,746,421	102,858,733	297,897	
	2,751	45,199	98,952,621	30,087,287	66,166,165	128,821,667	62,655,502	108,342	
Oregon.....	1919	2,707	58,559	237,254,736	81,093,784	206,206,041	366,782,627	160,576,580	304,346
	2,320	28,829	139,600,379	20,931,577	63,257,821	108,781,951	46,504,120	214,222	
	2,246	28,750	89,081,873	19,901,934	50,562,470	93,004,845	42,452,375	176,019	
	1,602	18,523	44,023,548	11,443,512	30,596,703	55,625,123	24,928,360	81,348	
California.....	1919	11,942	243,602	1,238,480,273	305,207,389	1,218,858,518	1,981,204,701	762,346,183	760,016
	10,057	139,481	736,105,455	105,612,681	447,474,531	721,800,764	265,326,233	491,025	
	7,659	115,296	537,134,359	84,141,477	325,238,074	529,760,528	204,522,464	329,100	
	6,339	100,355	282,047,201	64,050,686	215,726,414	367,218,494	151,402,080	210,359	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES

INDUSTRY.	Number of establishments.	Capital.	SALARY AND WAGE PAYMENTS.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
	1	2	3	4	5	6	7
United States, all industries.....	290,105	\$44,466,593,771	\$13,425,771,834	\$709,568,193	\$743,693,513	\$1,439,100,788	\$10,533,400,340
1 Aeroplanes, seaplanes, airships, and parts.....	31	17,753,875	6,907,430	477,115	348,242	1,175,333	4,906,740
2 Agricultural implements.....	521	366,962,052	88,630,177	3,178,150	6,150,857	12,590,730	66,704,484
3 Aluminum manufactures.....	83	48,490,304	10,633,980	694,045	920,328	1,792,301	13,327,308
4 Ammunition.....	42	94,558,643	31,194,843	1,779,122	2,408,200	3,320,820	23,587,692
5 Artificial flowers.....	224	6,675,418	4,592,710	180,032	187,373	634,394	3,740,911
6 Artificial limbs.....	177	2,231,416	1,332,606	170,610	125,822	241,049	704,525
7 Artificial stone products.....	2,785	20,049,743	11,601,888	957,619	670,830	653,540	8,310,890
8 Artists' materials.....	58	4,663,790	1,474,700	239,000	98,524	241,412	895,704
9 Asbestos products, not including steam packing.....	46	16,404,739	5,331,707	663,530	322,702	613,501	3,781,974
10 Automobile bodies and parts.....	2,515	470,497,552	213,928,848	9,233,967	10,683,366	15,051,007	178,055,503
11 Automobiles.....	315	1,310,451,400	379,381,674	6,673,303	27,918,370	32,624,122	312,105,870
12 Automobile repairing.....	15,507	141,123,954	83,116,590	2,134,787	4,102,034	5,265,308	71,618,471
13 Awnings, tents, and sails.....	895	25,727,021	8,860,670	1,366,660	536,972	1,098,506	5,858,523
14 Babbitt metal and solder.....	118	24,383,342	5,052,818	627,724	463,416	1,070,560	2,882,128
15 Bags, other than paper, not including bags made in textile mills.....	218	79,042,143	11,849,644	1,607,030	700,885	1,784,247	7,766,582
16 Bags, paper, exclusive of those made in paper mills.....	75	24,584,881	5,838,100	822,313	349,102	1,003,945	3,062,830
17 Baking powders and yeast.....	88	43,486,136	6,361,950	611,483	400,194	1,795,730	3,554,534
18 Baskets, and rattan and willow ware.....	375	7,195,394	4,172,732	313,897	170,185	310,504	3,369,086
19 Bells.....	10	1,004,743	264,280	41,730	6,538	10,902	205,110
20 Belting and hose, rubber.....	15	45,919,568	8,951,150	377,771	454,366	2,045,474	6,073,539
21 Belting and hose, woven, other than rubber.....	41	17,348,974	3,743,813	394,919	343,397	803,309	2,202,188
22 Belting, leather.....	172	27,538,899	5,966,218	923,011	517,455	1,255,313	3,260,430
23 Billiard tables, bowling alleys, and accessories.....	49	7,040,990	2,696,761	106,800	56,055	107,953	2,425,353
24 Blacking, stains, and dressings.....	220	13,080,901	4,728,386	844,088	363,000	1,412,125	2,109,103
25 Bluing.....	57	1,227,619	448,555	40,954	47,729	74,809	285,063
26 Bone, carbon, and lamp black.....	35	9,790,187	1,120,718	170,875	88,938	40,573	808,332
27 Bookbinding and blank-book making.....	1,113	43,041,207	26,112,733	2,110,190	1,280,231	4,063,491	18,658,821
28 Boot and shoe cut stock.....	252	61,747,458	12,453,004	1,016,751	1,100,882	1,210,503	9,124,778
29 Boot and shoe findings.....	427	28,988,416	10,805,794	891,369	842,103	885,120	8,187,196
30 Boots and shoes, not including rubber boots and shoes.....	1,449	580,625,075	208,859,576	13,647,590	13,304,115	31,173,201	210,734,610
31 Boots and shoes, rubber.....	25	131,513,436	38,284,110	770,161	1,711,320	4,910,907	30,882,722
32 Boxes, cigar.....	189	6,611,944	4,309,761	342,395	207,427	187,703	3,512,236
33 Boxes, paper and other, not elsewhere specified.....	1,201	131,390,783	58,898,005	6,111,453	3,484,602	5,070,306	43,325,554
34 Boxes, wooden packing, except cigar boxes.....	1,140	108,932,998	45,465,818	4,080,400	2,551,105	2,022,948	36,811,185
35 Brass, bronze, and copper products.....	1,092	325,299,738	117,748,794	6,789,464	6,770,684	10,050,528	94,132,118
36 Bread and other bakery products.....	25,085	509,265,779	207,057,025	7,621,437	7,592,575	33,605,954	158,237,059
37 Brick and tile, terra-cotta, and fire-clay products.....	2,414	355,848,355	94,098,992	5,742,634	5,247,343	4,850,930	78,250,085
38 Brooms.....	1,034	16,707,682	7,655,011	601,319	393,337	951,470	5,708,885
39 Brushes.....	379	27,208,200	10,701,785	1,191,957	803,915	1,052,722	7,113,201
40 Butter.....	8,738	182,302,108	28,574,818	1,881,281	3,305,809	4,274,090	18,852,729
41 Butter, reworking.....	5	602,902	79,133	3,000	11,000	8,701	56,432
42 Buttons.....	557	29,977,973	17,121,027	1,181,660	812,296	1,355,368	13,772,599
43 Candles.....	19	4,033,426	725,413	104,448	57,836	65,548	437,581
44 Canning and preserving, fish.....	410	68,049,038	11,938,634	1,272,862	808,001	761,682	9,036,089
45 Canning and preserving, fruits and vegetables.....	3,082	223,692,234	56,948,637	4,937,071	4,375,050	4,038,979	43,592,537
46 Canning and preserving, oysters.....	65	2,971,876	618,013	59,430	50,270	39,388	468,030
47 Card cutting and designing.....	75	2,297,970	1,401,779	138,923	122,099	181,880	958,877
48 Cardboard, not made in paper mills.....	16	6,493,032	2,080,900	314,158	220,481	209,084	1,337,177
49 Carpets and rugs, other than rag.....	75	119,198,461	28,965,905	1,593,714	1,174,508	1,981,562	24,216,121
50 Carpets, rag.....	339	2,853,400	1,934,371	75,109	84,161	224,540	1,550,501

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	BENT AND TAXES				COST OF MATERIALS USED.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
\$46,403,700	\$2,201,412,446	\$212,043,089	\$1,790,197,060	\$289,172,297	\$37,370,380,283	\$35,730,303,727	\$1,045,980,556	\$62,418,078,773	
13,645	687,700	64,805	538,991	83,994	7,120,965	6,853,271	268,694	14,372,643	
113,421	12,174,851	188,432	9,048,398	2,038,021	144,571,043	130,533,431	5,038,512	304,061,265	
10,887	3,339,100	90,712	2,937,805	304,589	19,271,801	47,975,756	1,296,105	75,277,948	
146,531	6,990,154	9,545	6,220,904	768,705	38,101,602	36,548,160	1,553,442	88,038,223	
755,978	390,207	318,802	52,618	18,787	7,004,646	6,952,595	52,051	16,143,165	
3,498	182,270	133,050	86,465	12,755	774,447	748,245	26,202	3,271,406	
655,316	532,492	223,376	111,370	197,647	13,913,317	13,410,496	502,821	33,664,332	
139,486	221,300	40,664	148,734	31,902	2,687,226	2,601,080	85,237	5,507,650	
3,228	1,100,500	90,500	955,833	60,080	12,047,702	12,570,147	377,555	23,977,557	
1,560,201	22,040,023	2,903,800	15,771,796	3,364,427	362,027,302	353,200,208	8,728,094	692,170,692	
198,142	128,155,939	1,202,023	118,361,154	8,532,782	1,578,651,574	1,565,694,602	12,950,972	2,387,903,287	
1,439,553	9,655,357	7,846,451	542,201	1,268,615	87,648,853	84,018,410	3,635,443	224,652,150	
42,031	1,630,400	640,702	836,989	152,709	26,961,140	26,762,652	198,488	45,600,300	
2,940	569,451	108,550	329,515	131,380	48,844,269	48,836,654	507,615	59,016,983	
63,190	7,338,400	332,010	6,542,348	403,193	176,017,560	175,698,064	323,596	214,050,474	
2,006	1,602,350	141,635	1,264,792	195,932	33,350,481	33,177,718	172,763	47,263,990	
713	3,251,343	901,880	2,195,265	154,192	26,036,429	25,352,160	1,283,270	46,230,312	
67,745	501,055	99,078	336,803	65,974	4,904,241	4,805,482	98,759	11,821,107	
941	19,623	1,286	6,903	11,454	450,149	433,358	16,791	950,956	
.....	1,164,456	4,620	877,023	282,813	18,310,401	17,368,748	941,652	34,210,540	
150	592,457	37,085	469,528	85,844	11,042,011	11,462,096	179,315	19,176,277	
114,526	654,470	308,764	499,013	148,603	28,150,711	27,899,058	257,653	40,480,654	
1,033	612,815	44,413	580,442	31,960	6,100,352	5,983,469	137,383	15,733,047	
9,884	609,017	192,101	323,127	98,780	14,041,840	13,909,186	132,704	25,294,072	
775	95,672	29,360	58,754	7,558	1,542,054	1,523,745	19,209	2,781,277	
4,500	177,186	3,515	115,711	57,060	2,848,059	1,461,364	1,386,695	6,186,204	
452,225	2,501,266	1,516,503	754,118	230,645	23,235,171	22,750,119	486,052	66,020,677	
24,808	1,753,092	369,545	1,045,300	338,751	133,887,276	133,270,830	616,446	161,208,310	
840,302	1,473,089	403,588	881,201	188,300	40,428,347	40,017,475	410,872	62,825,408	
1,930,544	25,160,589	3,023,810	19,124,009	3,012,764	715,269,315	709,351,366	5,917,959	1,155,041,436	
96,467	3,080,065	58,194	2,205,213	726,718	50,340,880	49,025,040	1,321,240	116,917,434	
532,479	332,182	135,115	143,096	53,971	6,336,540	6,205,762	130,788	18,110,213	
357,704	7,991,903	2,485,390	4,533,286	973,221	101,135,292	98,932,387	2,202,905	206,419,343	
633,898	5,018,190	840,668	3,245,222	932,300	102,946,235	101,905,193	1,041,042	177,818,454	
419,808	14,647,115	851,814	10,833,615	2,961,688	304,823,580	292,138,770	12,686,801	482,312,790	
711,822	25,836,837	11,230,480	10,908,841	3,088,516	713,239,411	693,764,530	19,474,881	1,151,866,318	
528,613	5,234,040	425,078	2,834,713	1,974,258	67,488,113	63,084,160	34,403,953	208,422,920	
153,414	555,837	161,705	288,060	106,072	17,365,109	17,169,441	105,685	30,205,267	
118,550	1,530,711	290,962	1,048,053	197,666	19,598,133	19,281,689	816,494	39,005,607	
428,709	3,414,781	628,124	1,050,811	835,846	514,345,739	509,928,330	4,417,400	583,168,011	
.....	7,566	3,637	2,379	1,550	2,005,769	1,995,699	10,070	2,220,035	
338,209	1,188,580	452,104	567,865	168,501	10,745,357	16,002,931	682,426	41,840,459	
3,563	73,323	5,785	56,807	10,731	2,178,528	2,140,502	38,026	3,350,806	
445,746	1,578,999	168,200	902,316	508,483	52,410,951	51,539,475	871,476	77,284,412	
328,580	11,872,176	1,445,342	8,919,210	1,507,624	205,628,525	201,910,070	3,718,446	402,242,972	
56,053	43,354	12,993	10,025	20,336	1,582,838	1,520,173	56,665	2,976,011	
4,519	421,482	99,705	809,912	11,866	2,298,389	2,269,678	28,711	5,323,349	
3,715	309,488	24,752	246,884	37,852	4,953,915	4,802,293	151,622	9,138,415	
86,716	3,984,671	142,850	3,129,584	712,287	87,118,039	65,390,376	1,727,683	123,233,828	
39,936	139,521	105,019	14,224	20,278	2,037,874	1,947,015	69,959	5,597,057	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	NUMBER OF SALARIED EMPLOYEES.									
	PROPRIETORS AND FIRM MEMBERS.		Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.		
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.	
	17	18	19	20	21	22	23	24	25	
United States, all industries.....	258,894	10,243	1,447,227	127,074	5,393	270,947	10,306	659,775	373,732	
1 Airplanes, seaplanes, airships, and parts.....	10	4	615	48	2	103	.....	312	180
2 Agricultural implements.....	298	23	12,488	505	22	2,287	12	7,276	2,346	
3 Aluminum manufactures.....	34	.....	1,821	88	1	355	5	777	595
4 Ammunition.....	7	3	4,645	101	2	997	10	1,854	1,081	
5 Artificial flowers.....	200	34	504	78	7	62	20	225	112	
6 Artificial limbs.....	151	3	205	45	7	56	.....	84	108
7 Artificial stone products.....	3,013	42	1,446	386	10	458	2	373	217	
8 Artists' materials.....	33	7	239	39	4	33	.....	75	88
9 Asbestos products, not including steam packing.....	11	.....	530	72	2	95	2	214	145
10 Automobile bodies and parts.....	2,092	37	18,497	1,620	46	4,077	32	7,748	4,974	
11 Automobiles.....	34	2	32,327	543	5	5,815	68	16,606	9,290	
12 Automobile repairing.....	18,403	163	9,008	1,043	41	2,167	37	2,753	2,967	
13 Awnings, tents, and sails.....	834	37	1,514	297	21	236	34	538	388	
14 Babbitt metal and solder.....	63	.....	937	107	10	142	1	456	221
15 Bags, other than paper, not including bags made in textile mills.....	165	1	1,720	161	9	225	13	774	538	
16 Bags, paper, exclusive of those made in paper mills.....	39	2	878	90	4	113	15	423	233	
17 Baking powders and yeast.....	41	11	1,510	78	2	147	3	841	430	
18 Baskets, and rattan and willow ware.....	300	10	437	91	3	107	7	136	93	
19 Bells.....	5	1	32	15	1	5	.....	2	9
20 Belting and hose, rubber.....	.....	.....	1,623	35	1	102	1	1,078	406
21 Belting and hose, woven, other than rubber.....	14	5	709	60	4	92	1	360	192	
22 Belting, leather.....	86	5	1,163	171	10	155	6	538	283	
23 Billiard tables, bowling alleys, and accessories.....	40	3	183	33	.....	19	3	72	56
24 Blacking, stains, and dressings.....	174	5	1,131	127	12	115	10	597	270	
25 Bluing.....	41	4	110	13	3	21	1	49	23	
26 Bone, carbon, and lamp black.....	25	5	121	41	.....	37	.....	32	11
27 Bookbinding and blank-book making.....	1,056	55	3,815	436	42	462	61	1,576	1,238	
28 Boot and shoe cut stock.....	230	4	1,563	145	8	356	27	385	642	
29 Boot and shoe findings.....	401	23	1,250	183	18	307	14	344	384	
30 Boots and shoes, not including rubber boots and shoes.....	836	47	25,175	1,704	43	5,421	449	8,404	9,064	
31 Boots and shoes, rubber.....	1	.....	5,053	69	.....	721	74	2,500	1,680
32 Boxes, cigar.....	180	7	356	71	7	120	6	88	64	
33 Boxes, paper, and other, not elsewhere specified.....	728	39	6,779	1,174	58	1,406	167	2,126	1,848	
34 Boxes, wooden packing, except cigar boxes.....	819	30	3,603	826	35	1,160	15	924	643	
35 Brass, bronze, and copper products.....	727	24	10,304	1,059	40	2,212	32	4,470	2,491	
36 Bread and other bakery products.....	26,298	1,610	31,142	1,822	126	3,470	233	16,660	8,831	
37 Brick and tile, terra-cotta, and fire-clay products.....	1,578	71	7,939	1,613	51	2,680	6	2,446	1,143	
38 Brooms.....	1,143	19	1,061	164	4	226	5	501	161	
39 Brushes.....	307	23	1,643	217	12	254	15	644	501	
40 Butter.....	1,934	72	6,692	721	25	1,687	36	2,000	2,223	
41 Butter, reworking.....	4	.....	11	1	.....	2	.....	4	4
42 Buttons.....	549	26	1,606	254	15	344	29	471	493	
43 Candles.....	11	2	112	23	.....	14	.....	30	45
44 Canning and preserving, fish.....	267	8	1,274	275	8	367	7	353	264	
45 Canning and preserving, fruits and vegetables.....	3,206	78	8,595	1,304	30	3,434	104	2,124	1,570	
46 Canning and preserving, oysters.....	51	.....	99	23	1	43	2	19	11
47 Card cutting and designing.....	67	2	180	27	5	36	.....	60	52
48 Cardboard, not made in paper mills.....	2	.....	287	36	3	62	25	84	77
49 Carpets and rugs, other than rag.....	49	1	1,268	133	3	304	4	566	258	
50 Carpets, rag.....	370	21	309	30	4	56	5	115	99	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	NUMBER OF WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						FUEL USED.						
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).	
		Total.	28	29	30	31	32	33	34	35	36	37	38
9,096,372	(1)	(1)	(1)	(1)	(1)	14,334,402	203,463,622	42,664,287	89,015,955	2,344,469	305,768,321	30,152,701	
3,543	3,474	3,256	212	6	.....	217	22,514	13	826	1,579	8,195	6,833	1
54,308	57,502	56,547	962	82	1	13,497	549,557	115,368	342,547	29,654	191,570	243,823	2
11,402	14,187	12,618	1,368	124	77	2,457	122,142	4,415	114,972	3,077	83,453	25,642	3
22,816	22,709	16,323	6,237	91	48	23,112	154,863	3,146	137,378	2,475	53,789	25,635	4
4,138	4,348	1,243	3,017	17	71	4,112	2,807	44	.....	13	486	5,974	5
671	878	617	55	6	.....	201	384	7	192	214	1,010	1,761	6
8,378	10,987	10,947	25	15	.....	3,354	34,921	643	1,073	6,487	22,397	2,572	7
928	1,024	777	219	22	6	2,303	61,114	15	947	162	560	5,397	8
3,654	4,038	3,125	803	28	22	5,443	31,817	2,325	5,931	692	.....	17,633	9
132,556	160,081	151,558	8,065	363	65	92,086	628,095	19,681	401,751	28,371	363,268	350,455	10
210,559	243,128	234,916	7,921	288	3	17,133	1,120,585	81,867	853,098	161,286	244,408	1,870,074	11
55,001	58,085	57,454	393	238	.....	34,451	127,453	2,170	8,948	21,094	278,895	171,437	12
6,028	6,124	3,258	2,818	30	18	2,206	8,074	82	49	277	8,548	2,563	13
2,372	2,768	2,510	241	12	5	4,216	46,288	4,019	64,199	40	8,787	40,297	14
10,756	11,714	4,378	7,065	73	108	3,312	23,103	344	581	36	8,558	863	15
4,168	4,790	2,210	2,468	43	69	1,034	13,708	78	220	55	122	301	16
3,331	3,390	2,538	835	15	2	2,990	219,015	598	36,045	1	80	2,528	17
4,533	5,051	3,327	1,537	99	88	909	10,767	103	531	160	874	1,546	18
237	264	232	32	.....	.....	594	762	40	382	72	69	135	19
5,826	6,954	6,057	829	36	32	32,550	84,728	274	30,452	3,199	.....	6,699	20
2,479	2,094	1,444	1,177	38	35	3,201	12,931	70	.....	1,412	754	140	21
2,705	3,066	2,803	184	76	3	15,214	15,731	22	1,580	82	2,015	3,365	22
2,101	2,597	2,301	293	3	.....	731	18,938	.....	.....	9	500	100	23
2,455	2,613	1,377	1,141	47	48	5,754	6,738	69	.....	311	4,618	6,473	24
360	354	150	197	2	5	259	290	3	.....	.....	952	509	25
675	684	682	2	.....	.....	25	6,681	.....	1,200	.....	49,487,369	8,626	26
20,361	22,046	10,694	11,564	368	320	3,302	12,527	52	1,413	173	13,503	19,888	27
9,715	10,285	7,337	2,696	183	69	3,297	20,693	405	532	16	1,101	574,873	28
8,941	10,188	6,545	3,315	172	156	3,092	25,858	120	276	56	1,758	8,639	29
211,049	230,457	138,407	84,641	4,434	2,885	46,066	394,926	2,602	24,092	2,901	70,884	99,546	30
32,875	34,723	19,840	13,877	411	586	19,853	136,967	1,391	98,009	6,190	.....	2,425	31
5,218	5,684	2,455	3,000	73	136	3,086	6,702	5	5	112	991	3,406	32
55,802	61,467	24,731	33,328	932	2,470	24,681	218,046	2,486	11,737	1,075	28,607	373,302	33
42,445	46,327	41,180	4,582	493	72	4,258	56,899	114	8,326	961	10,418	11,734	34
75,051	81,720	74,689	6,799	190	62	200,719	655,947	131,113	893,228	21,383	431,078	381,495	35
141,592	151,956	111,176	38,901	1,281	508	596,989	554,982	809,706	168,026	181,095	3,664,229	1,812,167	36
76,915	88,099	88,280	1,290	505	15	128,252	6,894,745	34,510	1,290,682	19,250	9,822,834	186,687	37
6,813	7,103	5,899	1,052	120	32	1,064	13,737	580	283	1,023	12,141	2,297	38
7,968	8,791	5,894	2,761	94	42	5,539	20,538	16	96	430	2,993	7,700	39
17,641	17,304	14,816	2,442	40	6	20,467	409,020	2,378	149,128	10,713	116,084	17,519	40
47	53	47	6	.....	.....	13	860	.....	80	140	.....	.....	41
15,577	17,398	10,615	6,475	110	108	7,094	47,887	188	625	705	6,244	23,332	42
541	634	254	387	6	7	757	4,082	.....	1	.....	.....	1,776	43
11,248	18,252	10,541	7,578	68	65	5,387	86,528	4	112,918	11,400	44,533	14,807	44
60,865	163,346	69,847	89,306	1,534	2,659	20,238	298,336	5,901	557,846	11,497	120,470	30,552	45
1,189	2,256	842	1,409	1	4	45	12,122	10	.....	174	.....	112	46
1,148	1,248	551	665	9	23	655	115	35	16	45	1,141	1,104	47
1,425	1,475	820	622	12	21	19,533	5,189	.....	607	.....	.....	856	48
22,933	27,002	16,573	9,739	352	338	36,328	240,638	300	.....	125	.....	4,822	49
2,016	2,367	1,591	710	36	30	996	5,299	98	151	173	5,941	456	50

¹ No figures given for reason stated under "Explanation of terms," p. 2.

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of estab- lishments reporting horse- power.	Aggregate horsepower.	PRIMARY POWER.							
			Owned.							
			Total horsepower.	Steam engines.		Steam turbines.		Internal-combus- tion engines.		
				Number.	Horse- power.	Number.	Horse- power.	Number.	Horse- power.	
	39	40	41	42	43	44	45	46	47	
United States, all industries.....	237,854	20,504,792	20,062,636	116,183	13,830,832	6,141	3,198,141	33,407	1,250,400	
1 Aeroplanes, seaplanes, airships and parts.....	26	12,512	325	2	125	1	200	.....	.....
2 Agricultural implements.....	407	128,249	80,407	303	51,107	31	18,835	166	4,002	
3 Aluminum manufactures.....	82	30,280	13,555	19	4,869	12	7,513	0	1,108	
4 Ammunition.....	39	39,128	21,542	59	9,090	21	12,170	11	2,241	
5 Artificial flowers.....	82	468	55	1	80	.....	.....	1	5	
6 Artificial limbs.....	130	857	239	1	25	.....	.....	8	71	
7 Artificial stone products.....	1,854	22,221	10,209	177	4,008	4	42	1,165	5,810	
8 Artists' materials.....	43	3,206	1,819	11	1,104	1	260	0	228	
9 Asbestos products, not including steam packing.....	44	9,657	4,212	27	2,285	4	1,850	2	47	
10 Automobile bodies and parts.....	2,271	256,919	54,312	276	32,920	26	8,760	170	12,000	
11 Automobiles.....	308	287,323	105,393	170	45,423	24	50,100	21	861	
12 Automobile repairing.....	14,825	82,691	19,466	115	721	5	42	2,033	17,571	
13 Awnings, tents, and sails.....	778	4,589	438	7	349	.....	.....	0	89	
14 Babbitt metal and solder.....	76	6,022	3,097	15	2,937	.....	.....	0	180	
15 Bags, other than paper, not including bags made in textile mills.....	203	9,082	4,366	32	4,116	1	100	0	160	
16 Bags, paper, exclusive of those made in paper mills.....	64	4,420	1,842	16	1,480	.....	.....	5	87	
17 Baking powders and yeast.....	69	20,071	14,360	83	10,262	16	4,010	6	88	
18 Baskets, and rattan and willow ware.....	161	6,319	4,710	98	4,157	.....	.....	18	183	
19 Bells.....	10	788	669	2	132	.....	.....	2	135	
20 Belting and hose, rubber.....	15	26,299	11,884	40	6,265	8	4,605	2	406	
21 Belting and hose, woven, other than rubber.....	40	5,338	1,873	15	1,688	.....	.....	3	25	
22 Belting, leather.....	189	7,089	4,559	27	3,967	2	450	10	87	
23 Billiard tables, bowling alleys, and accessories.....	40	5,322	317	3	305	.....	.....	2	12	
24 Blacking, stains, and dressings.....	135	2,490	1,661	25	1,509	2	90	6	62	
25 Bluing.....	34	423	30	.....	.....	.....	.....	2	30	
26 Bone, carbon, and lamp black.....	25	1,857	1,306	9	455	.....	.....	42	911	
27 Bookbinding and blank-book making.....	922	11,123	688	10	555	.....	.....	12	133	
28 Boot and shoe cut stock.....	233	9,003	1,810	25	1,765	.....	.....	5	43	
29 Boot and shoe findings.....	323	10,082	4,122	16	3,507	2	115	4	40	
30 Boots and shoes, not including rubber boots and shoes.....	1,391	120,632	60,196	354	40,055	17	10,012	30	908	
31 Boots and shoes, rubber.....	23	49,400	23,682	51	21,070	1	150	.....	.....
32 Boxes, cigar.....	167	5,059	2,745	30	2,448	.....	.....	17	297	
33 Boxes, paper, and other not elsewhere specified.....	1,144	54,955	25,559	178	19,491	6	2,980	65	1,124	
34 Boxes, wooden packing, except cigar boxes.....	1,051	144,048	104,418	759	95,021	15	4,969	115	1,903	
35 Brass, bronze, and copper products.....	1,011	265,688	122,377	195	61,862	38	54,055	104	3,540	
36 Bread and other bakery products.....	17,151	165,950	40,046	889	31,230	31	3,020	869	5,274	
37 Brick and tile, terra-cotta, and fire-clay products.....	2,216	405,746	209,311	2,730	277,577	39	4,238	409	17,456	
38 Brooms.....	766	6,062	2,490	29	1,487	.....	.....	170	987	
39 Brushes.....	330	7,384	3,360	33	2,601	1	3	29	445	
40 Butter.....	3,661	95,190	53,775	2,826	46,340	88	1,165	459	5,522	
41 Butter, reworking.....	4	343	126	3	114	.....	.....	1	12	
42 Buttons.....	413	16,201	7,589	64	5,975	1	300	71	1,047	
43 Candles.....	14	597	545	11	545	.....	.....	8	53	
44 Canning and preserving, fish.....	322	24,865	10,607	298	13,007	11	452	207	2,484	
45 Canning and preserving, fruits and vegetables.....	2,675	132,422	92,327	2,764	84,321	76	2,203	702	6,102	
46 Canning and preserving, oysters.....	47	1,025	988	46	858	.....	.....	10	125	
47 Card cutting and designing.....	66	743	113	1	60	.....	.....	8	53	
48 Cardboard, not made in paper mills.....	16	3,276	2,555	13	2,410	.....	.....	2	45	
49 Carpets and rugs, other than rag.....	68	38,170	31,069	77	22,052	10	5,825	2	85	
50 Carpets, rag.....	257	2,674	658	15	389	34	269	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

PRIMARY POWER.								ELECTRIC MOTORS.			
Owned.				Rented.				Total.		Run by current generated in establishment.	
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other horsepower.				
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.	
48	49	50	51	52	53	54	55	56	57	58	59
13,262	1,754,883	746	10,380	9,442,156	996,000	9,347,556	94,600	1,483,021	16,317,277	487,021	6,900,721
72	6,370	2	8	12,187	682	12,187	.....	788	12,787	106	600
1	80	.....	.....	47,842	4,594	47,842	.....	7,093	100,263	3,399	52,421
3	141	.....	.....	10,725	945	10,725	.....	1,570	27,334	625	10,609
.....	.....	.....	.....	17,586	1,784	17,586	.....	3,641	33,559	1,877	15,973
.....	.....	.....	.....	413	258	413	.....	258	413	.....	5
4	143	.....	.....	618	221	618	.....	221	618	.....	6
6	150	18	201	12,012	1,632	11,969	43	1,647	12,067	15	98
2	240	.....	.....	1,387	164	1,387	.....	213	1,054	49	587
1	60	.....	.....	5,445	337	5,445	.....	461	7,411	124	1,906
11	558	4	8	202,607	21,773	202,458	149	23,420	220,201	1,647	17,740
.....	.....	.....	.....	181,930	14,283	176,930	5,000	25,702	270,356	11,419	93,426
17	110	11	22	63,225	19,537	63,057	168	10,684	63,575	147	518
.....	.....	.....	.....	4,151	2,621	4,133	18	2,635	4,196	14	63
.....	.....	.....	.....	2,025	340	2,023	2	559	5,675	219	2,752
.....	.....	.....	.....	4,716	1,012	4,710	6	1,860	8,164	648	3,454
1	75	.....	.....	2,787	907	2,787	.....	1,172	3,411	265	624
.....	.....	.....	.....	5,711	453	5,711	.....	1,047	11,658	594	5,947
10	370	.....	.....	1,609	228	1,609	.....	233	1,669	5	60
6	402	.....	.....	114	14	114	.....	15	134	1	20
6	618	.....	.....	14,415	520	14,415	.....	866	22,723	346	8,308
3	160	.....	.....	3,465	362	3,428	37	413	3,804	51	376
1	55	.....	.....	2,480	433	2,453	27	544	2,773	111	320
.....	.....	.....	.....	5,005	553	4,944	61	556	4,969	3	25
.....	.....	.....	.....	829	227	785	44	293	1,335	66	550
.....	.....	.....	.....	383	76	393	.....	81	405	5	12
.....	.....	.....	.....	491	34	491	.....	34	491	.....	26
.....	.....	.....	.....	10,435	6,536	10,349	86	6,536	10,349	.....	27
1	2	.....	.....	7,193	843	6,038	555	914	7,159	71	521
8	460	.....	.....	6,500	1,257	5,848	712	1,332	6,901	75	1,053
13	2,011	1	10	60,436	11,698	55,690	4,746	16,279	88,792	4,581	28,102
11	2,482	.....	.....	25,718	1,757	25,718	.....	2,172	28,320	415	2,602
.....	.....	.....	.....	2,314	561	2,264	50	599	2,576	38	312
21	1,964	.....	.....	29,306	8,338	29,116	280	10,235	38,235	1,897	9,119
40	2,495	.....	.....	39,630	3,727	39,165	465	4,930	51,680	1,203	12,515
21	2,320	.....	.....	143,311	8,759	142,996	315	11,227	183,594	2,468	40,598
3	310	41	212	125,904	37,602	125,665	239	41,311	146,388	3,709	20,723
1	40	.....	.....	106,435	3,408	105,846	589	4,838	133,354	1,430	27,508
5	33	1	3	3,572	990	3,647	25	1,043	3,879	53	332
10	221	.....	.....	4,024	895	3,947	77	1,243	5,477	348	1,530
28	652	11	96	41,415	5,628	41,187	228	6,328	46,534	700	5,347
.....	.....	.....	.....	217	9	217	.....	9	217	.....	41
6	267	.....	.....	8,612	962	8,117	495	999	8,715	37	598
.....	.....	.....	.....	52	10	52	.....	42	226	32	174
2	53	3	28	8,258	1,156	8,198	60	1,330	9,670	174	1,472
.....	.....	.....	.....	39,595	5,617	39,420	175	6,859	46,083	1,242	6,663
1	5	.....	.....	37	9	37	.....	9	37	.....	46
.....	.....	.....	.....	630	279	630	.....	279	630	.....	47
4	100	.....	.....	721	101	696	25	310	1,868	209	1,172
11	2,207	.....	.....	7,101	688	6,624	577	8,045	24,586	2,357	18,012
.....	.....	.....	.....	2,016	471	2,001	15	483	2,069	12	62

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establishments.	Capital.	SALARY AND WAGE PAYMENTS.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
	1	2	3	4	5	6	7
51 Carriage and wagon materials.....	258	\$17,071,206	\$8,972,315	\$524,862	\$409,826	\$370,856	\$5,666,771
52 Carriages and sleds, children's.....	103	15,215,425	7,973,123	559,001	356,071	528,413	6,229,038
53 Carriages and wagons, including repairs.....	2,286	78,952,868	23,924,733	1,455,245	1,318,722	1,757,371	19,303,395
54 Cars and general shop construction and repairs by electric-railroad companies.....	624	82,557,905	42,052,521	141,573	1,701,005	1,046,780	30,073,154
55 Cars and general shop construction and repairs by steam-railroad companies.....	1,744	694,236,410	754,565,412	463,630	40,761,598	25,722,872	687,017,312
56 Cars, electric-railroad, not including operations of railroad companies.....	7	17,306,483	4,984,941	194,678	280,534	377,630	4,132,000
57 Cars, steam-railroad, not including operations of railroad companies.....	99	335,207,363	92,030,039	2,351,073	4,024,070	7,360,340	78,284,647
58 Cash registers and calculating machine.....	65	82,708,293	26,510,035	677,274	1,231,147	2,074,240	22,537,265
59 Cement.....	123	271,209,259	42,690,721	2,011,347	2,010,987	5,464,467	33,194,920
60 Charcoal, not including production in the lumber and wood distillation industries.....	41	518,782	202,980	16,888	25,258	4,762	156,072
61 Cheese.....	3,530	26,022,734	5,859,034	133,842	256,082	660,119	4,808,901
62 Chemicals.....	598	484,488,412	97,188,958	5,374,020	7,172,101	11,704,507	72,848,324
63 Chewing gum.....	62	23,703,313	4,527,442	504,733	261,407	901,400	2,679,803
64 China decorating, not including that done in potteries.....	43	470,153	325,836	31,700	7,105	42,820	244,211
65 Chocolate and cocoa products.....	48	60,674,737	13,308,533	1,274,458	654,274	2,100,724	9,273,077
66 Cleansing and polishing preparations.....	499	12,970,414	5,596,761	915,271	521,333	2,261,710	1,808,447
67 Clocks.....	46	18,349,943	9,850,985	384,202	521,563	1,092,600	7,801,611
68 Cloth, sponging and refinishing.....	67	1,465,956	2,177,024	450,783	53,950	107,074	1,564,661
69 Clothing, horse.....	28	3,704,741	869,708	101,012	68,330	148,483	551,278
70 Clothing, men's.....	5,258	554,147,279	259,164,990	14,630,553	11,769,430	34,043,008	107,821,693
71 Clothing, men's, buttonholes.....	107	237,066	579,178	48,980	7,220	8,398	514,600
72 Clothing, women's.....	7,711	393,528,517	254,331,809	15,675,022	11,146,916	32,214,037	105,205,894
73 Coal-tar products.....	183	174,991,835	35,235,209	2,013,000	4,527,404	5,292,605	23,402,140
74 Coffee and spice, roasting and grinding.....	794	127,747,535	25,705,269	3,025,439	1,804,021	11,074,557	9,201,242
75 Coffins, burial cases, and undertakers' goods.....	351	48,298,053	17,282,105	1,025,274	1,050,065	3,155,269	11,450,957
76 Coke, not including gas-house coke.....	278	365,249,022	49,905,077	1,098,350	2,571,349	3,938,077	42,299,202
77 Collars and cuffs, men's.....	39	30,146,935	9,443,368	428,772	512,700	1,071,167	7,430,729
78 Combs and hairpins, except those made from metal or rubber.....	45	8,913,266	2,297,780	202,278	139,130	146,010	1,809,453
79 Condensed milk.....	401	126,952,520	10,923,522	1,320,095	1,894,047	2,422,424	14,277,956
80 Confectionery and ice cream.....	6,024	317,043,923	115,955,895	12,026,587	7,585,709	20,183,783	76,150,866
81 Cooperage.....	1,099	48,853,805	17,005,401	1,363,189	884,395	675,593	14,082,224
82 Copper, tin, and sheet-iron work.....	4,796	89,944,834	44,870,321	4,570,415	2,730,702	3,702,321	33,880,823
83 Cordage and twine.....	120	100,248,987	18,715,562	1,384,020	1,289,013	1,341,868	14,700,061
84 Cordials and flavoring syrups.....	149	11,673,732	3,515,098	702,664	260,172	1,254,081	1,207,281
85 Cork, cutting.....	62	14,570,221	4,415,153	402,632	221,384	404,023	3,387,114
86 Corsets.....	188	43,516,486	20,232,409	1,763,741	1,319,928	4,066,498	18,082,242
87 Cotton goods.....	1,288	1,853,099,816	392,889,415	14,508,547	12,507,220	10,848,711	355,474,087
88 Cotton lace.....	44	32,260,216	8,110,908	402,823	574,717	1,040,901	6,086,557
89 Cotton small wares.....	164	29,559,474	9,537,200	1,215,884	463,890	695,268	7,102,218
90 Crucibles.....	22	8,069,334	1,447,682	308,412	101,393	114,590	923,287
91 Cutlery and edge tools.....	804	68,971,247	24,789,426	1,462,887	1,223,288	2,054,836	20,048,405
92 Dairymen's, poultrymen's, and apiarists' supplies.....	244	36,095,331	10,582,880	874,086	833,780	1,700,590	7,078,433
93 Dental goods.....	819	17,904,790	6,541,523	700,122	478,741	903,820	4,463,840
94 Drug grinding.....	31	14,991,135	2,323,779	364,896	150,896	281,850	1,526,137
95 Druggists' preparations.....	524	102,129,257	25,483,411	2,405,483	2,493,567	8,419,436	12,161,925
97 Dyeing and finishing textiles, exclusive of that done in textile mills.....	628	229,948,486	73,441,533	5,045,194	4,620,414	5,085,947	57,189,078
98 Dyestuffs and extracts—natural.....	144	38,689,058	7,055,528	1,150,911	526,073	643,930	4,734,614
99 Electrical machinery, apparatus, and supplies.....	1,404	857,855,496	336,369,291	13,334,470	22,598,135	62,247,828	238,188,862
100 Electroplating.....	515	4,192,989	4,536,561	332,418	226,215	184,023	3,793,605

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	RENT AND TAXES.				COST OF MATERIALS USED.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State					
8	9	10	11	12	13	14	15	16	
\$17,448	\$635,084	\$74,002	\$416,956	\$144,128	\$14,734,673	\$14,437,114	\$297,559	\$26,765,316	51
9,134	598,247	75,309	409,435	113,443	11,700,158	11,492,554	207,604	24,506,596	52
164,591	2,822,164	530,453	1,052,021	630,690	48,362,456	47,210,301	1,152,155	91,463,225	53
118,335	765,463	61,576	30,823	673,064	32,025,484	30,820,218	1,205,266	75,210,701	54
1,389,102	3,093,178	192,185	18,955	2,882,038	515,803,210	484,402,576	31,400,634	1,279,235,393	55
	446,080	10,879	359,107	77,003	12,058,042	11,081,416	377,526	18,441,976	56
39,054	30,330,241	158,045	28,876,130	1,305,066	350,084,545	349,003,030	6,180,615	538,222,831	57
28,646	4,953,115	100,368	4,383,443	469,304	10,889,998	10,527,407	362,591	83,589,025	58
266,204	6,190,367	2,390,468	2,028,559	1,105,340	79,500,800	48,430,204	81,070,596	175,284,910	59
4,487	12,526	1,443	7,436	8,647	200,322	197,349	62,973	580,418	60
42,567	407,874	120,213	73,220	205,441	120,425,265	127,088,010	1,437,255	143,455,704	61
1,321,738	32,528,130	596,741	28,338,749	3,592,640	216,301,270	183,558,909	32,742,310	438,658,869	62
2,027	3,069,898	102,809	3,751,805	115,284	25,202,312	24,097,529	204,783	51,240,156	63
4,615	31,401	20,481	8,185	2,705	310,785	200,493	20,292	886,762	64
1,463	6,037,510	271,685	5,381,214	384,611	101,754,406	100,347,208	1,407,258	130,258,296	65
30,459	809,421	200,565	456,828	92,028	12,923,518	12,704,567	128,951	28,703,109	66
31,534	945,878	40,333	760,173	145,372	7,177,813	6,962,991	214,822	23,380,190	67
	258,693	235,776	18,367	4,550	178,161	119,820	58,332	3,090,853	68
8,825	283,392	19,887	235,963	27,542	3,455,086	3,418,273	42,413	6,020,612	69
108,072,822	23,145,377	8,640,249	12,684,954	1,820,174	605,752,176	603,031,493	2,720,683	1,102,985,633	70
3,750	35,443	33,900	424	1,110	123,266	112,008	11,258	1,090,049	71
52,426,167	18,264,851	13,626,596	3,750,352	887,903	680,406,844	677,889,534	2,517,310	1,208,543,128	72
806,830	5,442,111	782,370	3,600,414	1,050,327	63,996,734	59,855,701	4,141,033	135,482,161	73
343,450	4,215,759	1,371,034	2,134,035	710,090	243,899,108	242,742,802	1,156,306	304,791,677	74
9,359	8,531,086	286,448	2,836,926	407,712	31,595,287	31,061,231	534,056	64,377,183	75
81,127	9,302,264	467,217	6,363,879	2,471,188	224,266,674	23,467,210	200,769,464	318,515,838	76
977,063	1,186,465	62,681	826,901	296,883	10,434,095	10,206,664	227,531	47,564,949	77
24,212	100,759	22,049	46,817	31,893	3,108,818	3,082,743	86,075	6,560,365	78
240,600	5,021,055	150,842	4,136,840	724,364	282,595,292	277,924,307	5,270,985	839,506,774	79
1,191,586	33,750,537	6,233,367	24,504,240	3,012,930	368,809,170	360,517,580	8,291,590	637,209,168	80
25,327	2,099,106	284,630	1,460,906	853,570	58,520,655	58,013,261	507,404	88,236,061	81
474,230	3,940,185	1,858,459	1,388,949	682,777	80,898,528	78,024,580	978,968	160,313,945	82
276,617	6,235,378	137,876	5,483,675	614,427	80,705,282	88,324,147	1,381,135	133,386,476	83
4,000	2,608,496	234,371	2,360,867	103,258	30,998,628	30,897,129	101,499	46,806,718	84
23,836	573,627	133,042	374,410	65,275	9,134,950	8,734,295	400,655	16,282,239	85
164,587	2,462,197	541,364	1,622,614	298,219	38,815,803	38,556,179	259,624	75,541,959	86
3,093,742	120,298,126	1,647,489	102,997,745	15,682,892	1,277,785,597	1,240,463,758	37,321,389	2,125,272,193	87
258,051	1,296,375	26,783	1,120,119	143,473	13,075,994	12,876,005	399,989	29,396,858	88
211,028	1,553,608	184,507	1,158,653	210,448	24,039,951	23,498,348	541,603	40,890,835	89
9,465	251,152	26,079	167,922	57,151	2,238,072	2,093,910	139,162	5,293,688	90
12,970	5,144,171	142,049	4,533,811	468,311	19,477,437	18,218,583	1,253,854	68,620,570	91
10,100	1,010,501	82,222	724,666	203,703	18,526,743	18,135,777	390,966	87,397,448	92
23,431	1,388,307	260,020	1,051,772	71,515	16,420,429	16,253,077	167,352	29,401,896	93
111,651	910,931	18,450	818,784	73,697	11,556,480	11,223,377	333,103	16,637,098	94
78,918	5,796,899	499,513	4,334,529	902,857	55,138,476	54,451,977	686,498	114,593,486	95
1,361,486	14,710,308	888,575	10,419,309	3,452,424	174,742,815	164,314,521	10,428,294	323,967,883	97
225,880	2,521,380	84,864	2,105,361	331,155	34,592,698	32,916,872	1,075,726	53,744,283	98
1,218,203	46,357,187	2,553,802	38,589,510	5,213,875	425,098,211	411,350,101	13,739,110	907,968,119	99
27,205	459,907	423,816	9,629	26,462	2,639,248	2,378,033	286,215	10,389,617	100

CENSUS OF MANUFACTURES: 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	PROPRIETORS AND FIRM MEMBERS.		Total.	NUMBER OF SALARIED EMPLOYEES.					
				Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18	19	20	21	22	23	24	25
51 Carriage and wagon materials.....	205	7	708	163	2	209	.....	195	139
52 Carriges and sleds, children's.....	32	3	762	94	7	158	3	282	218
53 Carriages and wagons, including repairs.....	2,585	70	2,440	372	18	638	7	894	511
54 Cars and general shop construction and repairs by electric railroad companies.....	1	.....	1,847	65	.....	801	.....	721	200
55 Cars and general shop construction and repairs by steam-railroad companies.....	2	.....	31,840	136	.....	15,313	25	12,057	4,309
56 Cars, electric-railroad, not including operations of railroad companies.....	1	.....	365	16	.....	66	1	184	98
57 Cars, steam-railroad, not including operations of railroad companies.....	2	.....	6,482	214	4	1,633	51	3,535	1,046
58 Cash registers and calculating machines.....	26	.....	2,388	87	2	448	2	1,056	798
59 Cement.....	9	.....	4,714	271	4	573	2	2,811	1,053
60 Charcoal, not including production in the lumber and wood distillation industries.....	30	.....	34	5	.....	10	.....	5	5
61 Cheese.....	2,367	33	596	153	4	187	1	159	92
62 Chemicals.....	111	11	11,239	654	19	2,181	51	5,400	2,874
63 Chewing gum.....	23	.....	843	77	3	93	8	379	288
64 China decorating, not including that done in potteries.....	32	13	32	4	1	2	.....	12	13
65 Chocolate and cocoa products.....	21	.....	1,183	110	2	152	15	611	283
66 Cleansing and polishing preparations.....	320	27	1,953	212	14	203	18	934	572
67 Clocks.....	9	2	997	69	2	187	1	423	315
68 Cloth, sponging and refinishing.....	53	2	103	74	1	20	1	44	58
69 Clothing, horse.....	22	3	168	20	1	30	.....	82	28
70 Clothing, men's.....	6,836	134	27,472	1,801	71	3,800	375	18,350	8,386
71 Clothing, men's, buttonholes.....	130	1	20	8	2	2	.....	5	8
72 Clothing, women's.....	9,874	492	26,228	2,892	203	3,306	1,198	11,003	7,568
73 Coal-tar products.....	23	3	5,854	230	5	1,509	14	2,981	1,165
74 Coffee and spice, roasting and grinding.....	520	36	9,091	584	15	716	12	5,066	1,708
75 Coffins, burial cases, and undertakers' goods.....	213	12	2,431	352	18	421	26	1,220	388
76 Coke, not including gas-house coke.....	40	1	3,522	161	4	879	.....	2,068	410
77 Collars and cuffs, men's.....	37	.....	1,422	56	2	196	80	519	560
78 Combs and hairpins, except those made from metal or rubber.....	36	2	208	36	2	49	3	48	70
79 Condensed milk.....	45	1	2,812	204	5	773	5	930	865
80 Confectionery and ice cream.....	6,695	356	19,329	2,127	123	2,839	826	7,906	6,008
81 Cooperage.....	909	32	1,209	301	19	383	4	273	220
82 Copper, tin, and sheet-iron work.....	4,961	95	5,863	1,270	55	1,239	7	1,849	1,443
83 Cordage and twine.....	27	2	1,581	167	7	486	10	575	388
84 Cordials and flavoring syrups.....	69	7	1,114	127	8	111	1	615	252
85 Cork, cutting.....	28	2	486	62	5	104	.....	159	156
86 Corsets.....	61	37	3,238	173	10	350	155	967	1,683
87 Cotton goods.....	219	20	14,218	2,422	31	4,287	52	4,331	3,096
88 Cotton lace.....	8	.....	698	61	1	150	15	292	170
89 Cotton small wares.....	94	5	759	178	6	179	10	160	231
90 Crucibles.....	2	.....	185	47	.....	31	.....	66	41
91 Cutlery and edge tools.....	162	11	2,497	310	14	450	46	973	704
92 Dairymen's, poultrymen's, and apiarists' supplies.....	153	11	2,013	179	5	349	6	887	587
93 Dental goods.....	306	10	1,259	114	9	160	10	461	499
94 Drug grinding.....	16	.....	298	45	1	51	.....	126	75
95 Druggists' preparations.....	261	22	6,718	406	33	871	61	8,032	2,315
97 Dyeing and finishing textiles, exclusive of that done in textile mills.....	353	10	6,240	710	47	1,291	27	2,472	1,693
98 Dyestuffs and extracts—natural.....	55	4	804	137	5	216	1	274	171
99 Electrical machinery, apparatus, and supplies.....	461	12	59,065	1,825	57	8,587	252	29,233	19,181
100 Electroplating.....	573	17	418	123	10	88	1	79	117

CENSUS OF MANUFACTURES: 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	NUMBER OF WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						FUEL USED.						
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural 1,000 cubic feet.	Manufactured (1,000 cubic feet).	
		Total.	28	29	30	31	82	83	84	85	86	87	88
26	27	28	29	30	31								
6,509	7,157	6,885	247	25	.....	2,325	42,160	8,340	17,432	669	11,473	7,031	51
6,686	7,234	5,779	1,077	209	79	1,102	17,920	83	1,589	788	12,388	10,439	52
18,173	18,955	18,621	273	52	9	6,353	138,098	5,286	14,733	11,051	115,717	10,626	53
31,272	32,108	31,660	438	10	.....	15,420	80,933	1,504	32,859	2,132	16,420	13,919	54
484,437	510,384	506,365	8,975	44	.....	600,078	6,964,403	260,960	3,064,789	80,164	2,185,680	344,814	55
2,920	2,709	2,641	65	3	.....	190	40,628	2,083	16,349	16	3,598	846	56
52,293	50,999	50,549	429	21	.....	53,644	819,988	78,038	552,007	8,462	1,007,502	100,757	57
16,544	18,541	15,767	2,784	20	20	2,408	59,399	2,409	8,173	1,078	20,220	66,203	58
25,524	26,895	26,503	362	28	2	272,286	6,031,428	50,840	1,859,584	1,778	4,370,699	.....	59
209	254	251	3	.....	.....	784	.....	555	36	.....	.....	.....	60
3,997	4,723	4,523	174	20	.....	26,189	140,167	844	23,086	4,394	8,287	2,164	61
55,586	58,757	53,798	4,782	88	89	389,358	3,844,607	457,259	789,347	18,427	1,721,504	115,434	62
3,190	3,117	1,130	1,940	7	31	1,428	18,176	.....	160	167	2,629	3,688	63
244	285	130	150	.....	5	158	720	2	614	193	600	13,774	64
9,083	9,313	6,838	2,383	36	56	38,502	100,744	1,906	33,137	1,244	6,370	33,051	65
1,955	2,212	1,410	782	13	7	2,441	8,026	2,391	902	96	10,300	4,352	66
8,252	8,908	5,915	2,677	178	138	4,473	25,416	181	.....	202	526	17,914	67
1,206	1,371	1,347	24	.....	.....	1,344	1,938	2	.....	.....	260	8,901	68
766	907	411	482	4	10	149	6,613	15	.....	217	642	1	69
175,270	208,524	95,712	110,726	635	1,451	23,611	90,613	1,575	4,604	1,920	118,928	729,130	70
484	522	293	224	4	1	94	66	.....	1	16	518	540	71
165,649	183,516	60,522	121,687	176	1,131	12,700	20,934	8,652	2,005	281	85,709	280,836	72
15,063	18,560	17,991	548	16	14	62,582	721,982	16,855	142,029	1,647	73,855	74,149	73
10,540	11,056	6,137	4,788	65	66	18,034	33,197	3,571	3,237	814	128,455	250,018	74
11,890	11,661	9,506	2,083	46	21	6,173	59,504	1,100	963	313	14,052	21,733	75
20,319	30,857	30,404	8	445	.....	5,808	64,245,629	500,505	15,211	92,682	644,836	13,854	76
11,103	11,787	2,772	9,001	6	8	9,585	23,464	100	.....	1	.....	14,058	77
2,220	2,411	1,453	774	96	88	929	5,822	23	.....	10	1,455	840	78
13,075	13,183	11,420	1,736	22	5	27,176	821,083	3,185	147,971	9,383	88,302	1,217	79
95,048	104,181	45,452	55,046	1,006	2,077	126,566	458,614	9,998	75,258	16,205	957,135	896,308	80
13,219	14,691	14,143	357	86	5	3,315	50,021	4,757	6,802	701	36,701	20,144	81
27,640	31,039	30,134	711	188	6	9,388	40,320	5,232	3,128	5,016	131,757	81,288	82
17,622	18,899	10,007	7,504	261	227	43,522	118,441	17,408	19,663	80	54,126	1,280	83
1,308	1,583	1,162	421	.....	.....	2,009	13,284	513	1	32	955	5,152	84
3,645	3,611	2,220	1,309	30	52	8,549	55,134	3,427	2,078	.....	100	564,770	85
18,415	21,105	3,254	17,194	117	540	2,208	18,426	324	38	.....	312	3,629	86
430,966	450,845	254,380	183,810	10,735	10,920	322,668	3,610,372	32,164	456,783	8,684	44,850	14,285	87
6,490	7,441	3,374	3,505	244	318	36,021	28,640	.....	7,981	.....	.....	22	88
9,306	10,065	3,593	5,926	158	388	9,906	24,290	302	39,371	100	.....	75,424	89
848	871	849	22	.....	.....	2,769	14,709	3,479	.....	44,493	.....	90	.....
19,859	22,080	17,580	4,171	251	78	18,238	61,182	2,104	93,501	2,244	555,524	49,507	91
6,437	7,282	6,481	766	28	7	3,495	36,502	1,232	4,716	925	10,368	35,869	92
5,224	5,483	2,823	2,262	170	238	1,366	3,063	230	9,584	4,866	3,177	26,355	93
1,347	1,400	1,210	236	4	10	53,151	11,151	50	.....	45	676	12	94
15,588	15,877	7,667	7,981	101	128	15,486	78,976	29	171	414	18,029	28,311	95
55,985	62,462	47,132	14,098	708	524	442,855	1,071,156	13,624	393,328	6,930	130	518,088	97
4,342	4,565	4,474	77	9	5	13,585	330,092	2,325	3,705	91	146,334	2,514	98
212,374	245,324	180,152	62,920	1,557	695	175,800	1,081,704	61,617	473,332	32,328	1,130,681	1,655,751	99
3,024	3,461	3,212	152	92	5	1,963	3,624	166	271	222	17,944	28,549	100

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of estab- lishments reporting horse- power.	Aggregate horsepower.	PRIMARY POWER.							
			Owned.							
			Total horsepower.	Steam engines.		Steam turbines.		Internal-combus- tion engines.		
				Number.	Horse- power.	Number.	Horse- power.	Number.	Horse- power.	
	39	40	41	42	43	44	45	46	47	
51 Carriage and wagon materials.....	239	23,700	18,711	180	17,563	3	135	34	468	
52 Carriages and sleds, children's.....	75	6,071	2,945	20	2,371	1	50	7	119	
53 Carriages and wagons, including repairs.....	1,888	40,966	25,278	170	17,919	5	2,160	537	4,294	
54 Cars and general shop construction and repairs by electric railroad companies.....	500	58,830	6,430	45	5,875	.....	.....	11	504	
55 Cars and general shop construction and repairs by steam-railroad companies.....	1,470	594,515	383,440	2,358	325,738	132	40,808	158	6,998	
56 Cars, electric-railroad, not including operations of railroad companies.....	6	9,390	1,900	7	1,900	.....	.....	.....	.....
57 Cars, steam-railroad, not including operations of railroad companies.....	92	157,865	94,963	201	55,510	36	30,400	17	2,848	
58 Cash registers and calculating machine.....	61	14,650	11,530	21	9,015	2	2,250	1	15	
59 Cement.....	117	488,808	306,322	416	198,353	61	70,058	63	24,703	
60 Charcoal, not including production in the lumber and wood distillation industries.....	7	132	34	.....	.....	.....	.....	3	84	
61 Cheese.....	2,508	24,500	22,621	1,771	17,780	185	1,740	747	8,000	
62 Chemicals.....	486	376,940	250,445	1,136	127,104	210	114,585	122	5,004	
63 Chewing gum.....	57	6,178	2,599	15	2,539	1	50	1	10	
64 China decorating, not including that done in potteries.....	13	43	.....	.....	.....	.....	.....	8	1,783	
65 Chocolate and cocoa products.....	46	38,440	17,356	82	15,273	.....	.....	.....	.....
66 Cleansing and polishing preparations.....	243	4,520	1,373	22	1,176	.....	.....	23	197	
67 Clocks.....	39	6,952	4,227	18	3,760	1	150	3	62	
68 Cloth, sponging and refinishing.....	59	952	432	8	412	.....	.....	2	20	
69 Clothing, horse.....	25	1,577	1,217	9	1,192	.....	.....	1	25	
70 Clothing, men's.....	4,640	40,577	9,788	114	8,309	4	153	120	1,068	
71 Clothing, men's, buttonholes.....	101	180	12	2	12	.....	.....	.....	.....
72 Clothing, women's.....	7,414	32,622	2,887	28	2,283	.....	.....	43	629	
73 Coal-tar products.....	169	68,342	40,903	334	24,310	39	16,388	14	265	
74 Coffee and spice, roasting and grinding.....	776	29,750	5,656	51	4,095	2	500	37	981	
75 Coffins, burial cases, and undertakers' goods.....	304	22,345	12,311	104	10,912	.....	.....	28	660	
76 Coke, not including gas-house coke.....	155	224,879	150,328	780	75,250	155	73,222	6	1,850	
77 Collars and cuffs, men's.....	35	5,286	4,016	18	1,806	4	2,020	1	26	
78 Combs and hairpins, except those made from metal or rubber.....	41	1,600	960	15	807	.....	.....	1	60	
79 Condensed milk.....	368	49,181	38,676	696	35,200	30	2,003	28	772	
80 Confectionery and ice cream.....	5,487	179,891	64,613	724	51,251	21	1,512	643	11,800	
81 Cooperage.....	407	30,698	24,125	238	22,770	0	316	47	617	
82 Copper, tin, and sheet-iron work.....	1,538	24,144	4,982	36	2,000	.....	.....	255	2,946	
83 Cordage and twine.....	117	66,643	45,709	109	36,553	12	4,202	10	646	
84 Cordials and flavoring syrups.....	92	3,177	2,073	16	2,000	.....	.....	1	2	
85 Cork, cutting.....	58	8,683	2,124	26	2,000	.....	.....	.....	.....
86 Corsets.....	176	7,156	4,293	30	4,176	.....	.....	15	107	
87 Cotton goods.....	1,278	1,840,201	1,320,980	1,407	750,073	215	257,073	30	2,699	
88 Cotton lace.....	44	9,078	6,960	64	6,423	2	285	4	77	
89 Cotton small wares.....	160	14,263	7,816	37	5,907	.....	.....	7	126	
90 Crucibles.....	22	2,714	852	14	852	.....	.....	.....	.....
91 Cutlery and edge tools.....	296	38,958	22,297	80	13,402	5	614	45	1,905	
92 Dairymen's, poultrymen's, and apiarists' supplies.....	206	11,766	6,578	41	4,160	0	1,870	40	437	
93 Dental goods.....	232	2,716	1,109	9	823	.....	.....	8	286	
94 Drug grinding.....	31	6,725	5,507	43	2,045	0	2,500	3	60	
95 Druggists' preparations.....	311	12,698	8,406	35	7,781	1	500	27	173	
97 Dyeing and finishing textiles, exclusive of that done in textile mills.....	580	160,430	133,884	1,963	85,899	79	32,208	28	2,124	
98 Dyestuffs and extracts—natural.....	117	34,320	31,003	232	28,316	24	2,973	9	201	
99 Electrical machinery, apparatus, and supplies.....	1,345	438,839	202,477	274	62,000	51	131,231	103	7,449	
100 Electroplating.....	454	7,078	768	6	152	35	601	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

PRIMARY POWER.								ELECTRIC MOTORS.					
Owned.				Rented.				Total.		Run by current generated in establishment.			
Water wheels.		Water motors.		Total horsepower.	Electric motors.			Other, horsepower.	Number.	Horsepower.	Number.	Horsepower.	
Number.	Horsepower.	Number.	Horse-power.		Number.	Horsepower.							
48	49	50	51	52	53	54	55	56	57	58	59		
11	545			4,989	661	4,961	28	826	7,845	165	2,884	51	
9	405			3,126	429	3,126		458	3,300	29	174	52	
25	883	2	13	15,088	3,762	15,038	650	4,499	24,906	737	9,808	53	
				47,301	3,521	47,306	=25	3,711	50,016	190	2,650	54	
5	398	6	443	211,075	11,636	207,630	3,445	30,185	500,141	18,549	292,511	55	
					7,490	568	7,490		692	9,020	124	1,580	56
1	100			62,902	3,462	62,827	75	10,157	170,485	6,695	107,658	57	
2	250			3,120	456	3,115	5	1,753	17,523	1,207	14,408	58	
8	3,550			182,486	4,138	182,486		8,500	315,535	4,302	163,049	59	
				98	8	98		8	98			60	
7	93	4	19	1,879	332	1,790	89	364	1,932	32	142	61	
27	3,668	4	24	126,495	10,492	126,419	70	17,452	235,973	6,960	109,554	62	
				3,579	535	3,573	6	832	5,125	297	1,552	63	
				43	26	43		26	43			64	
14	300			16,084	1,171	16,058	26	2,230	24,552	1,059	8,494	65	
					3,147	456	3,137	10	501	3,365	45	228	66
6	255			2,725	344	2,725		1,220	4,912	876	2,187	67	
				520	248	495	25	260	520	12	25	68	
				360	90	360		204	1,235	114	875	69	
5	221	10	87	30,789	13,160	30,410	379	13,918	33,120	758	2,710	70	
					177	238	164	13	239	166	1	2	71
3	75			29,735	23,710	20,534	201	23,761	29,937	51	403	72	
				27,370	2,162	27,376	3	5,507	53,693	3,345	26,317	73	
4	100			21,094	4,401	24,050	44	5,145	28,070	744	4,029	74	
10	730			10,034	1,639	9,879	155	2,094	18,872	455	3,993	75	
					74,551	1,950	74,551		5,010	208,163	3,969	134,612	76
1	76			1,270	223	1,200	10	734	3,840	511	2,580		
4	102				631	138	619	12	138	619			
9	595	4	160	10,505	1,400	10,502	3	3,055	22,096	2,495	11,594		
2	8	10	42	115,278	19,787	115,080	209	23,420	138,344	3,042	23,275		
19	413	2	3	6,573	692	6,563	10	833	10,313	141	3,750		
2	28	2	2	19,102	3,596	19,148	14	3,910	21,400	314	2,261		
36	4,210			20,934	1,062	20,847	87	1,435	31,053	373	10,206		
					1,104	270	1,104		409	1,601	139	497	
1	25				6,559	670	6,432	127	880	7,546	210	1,118	
					2,863	967	2,663	200	1,509	5,132	542	2,469	
1	10				510,212	38,152	515,309	3,003	61,455	861,600	23,303	346,300	
1,200	305,204				2,118	640	2,118		1,256	4,734	616	2,616	
4	175				6,447	1,151	6,269	178	1,520	7,781	369	1,512	
23	1,783				1,802	129	1,862		143	2,057	14	196	
69	6,284	1	2	16,661	2,115	16,258	403	2,518	24,085	403	7,827		
4	32	1	10	5,178	801	5,178		1,710	10,615	909	5,437		
				1,607	1,824	1,599	8	1,923	2,070	99	471		
1	12				1,218	64	1,216	2	173	1,542	109	326	
					2,492	1,229	4,264	28	2,724	8,432	1,495	4,168	
79	13,508	1	35	26,566	3,506	25,993	573	9,064	85,889	5,558	59,896		
3	113			2,717	294	2,692	25	539	8,341	245	5,649		
16	1,795	1	5	236,362	42,023	235,605	757	80,495	479,366	38,472	243,761		
1	15			6,310	1,066	6,020	290	1,075	6,045	9	25		

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establishments.	Capital.	SALARY AND WAGE PAYMENTS.				
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
101 Emery and other abrasive wheels.....	60	\$34,802,542	\$8,266,218	\$522,690	\$874,401	\$1,190,370	\$5,878,748
102 Enameling.....	74	2,083,474	1,030,310	107,188	48,207	84,007	790,308
103 Engines, steam, gas, and water.....	370	454,124,733	136,347,494	4,511,355	8,384,120	18,016,564	105,435,455
104 Engravers' materials.....	21	826,166	378,350	94,268	26,957	44,954	212,171
105 Engraving and diesinking.....	478	4,695,712	2,883,455	196,352	75,212	220,387	2,391,504
106 Engraving, steel and copper plate, including plate printing.....	421	19,040,260	10,787,426	1,013,945	745,051	1,120,321	7,908,109
107 Engraving, wood.....	55	338,908	558,377	59,738	21,967	70,457	407,215
108 Envelopes.....	106	24,751,818	9,448,300	841,203	614,392	1,342,626	6,649,989
109 Explosives.....	118	133,217,684	25,749,210	1,225,746	5,060,440	6,958,039	12,504,986
110 Fancy articles, not elsewhere specified.....	661	32,824,988	17,830,106	1,840,345	965,943	2,815,905	12,207,913
111 Feathers and plumes.....	216	6,514,809	4,420,720	195,296	215,360	613,309	3,405,765
112 Felt goods.....	49	35,024,373	6,970,832	778,873	359,088	958,781	4,873,490
113 Ferroalloys.....	30	42,364,729	4,792,601	418,578	313,506	489,080	3,571,487
114 Fertilizers.....	600	311,633,259	36,934,732	2,759,432	3,111,506	5,700,662	25,368,132
115 Files.....	50	15,692,801	7,145,557	297,839	319,642	335,632	6,192,444
116 Firearms.....	26	51,917,782	15,427,678	344,394	511,632	1,288,157	13,333,495
117 Fire extinguishers, chemical.....	32	3,779,785	1,396,730	175,689	108,663	271,259	751,119
118 Fireworks.....	57	3,546,943	1,320,125	180,239	75,633	69,402	994,851
119 Flags and banners.....	79	3,436,484	1,276,202	184,965	79,200	236,795	795,242
120 Flavoring extracts.....	453	13,561,337	4,678,451	962,241	290,054	1,760,871	1,665,285
121 Flax and hemp, dressed.....	20	2,783,958	534,964	28,168	32,833	26,590	447,373
122 Flour-mill and gristmill products.....	10,708	801,624,507	82,901,413	9,320,864	7,882,797	14,809,369	50,888,383
123 Food preparations, not elsewhere specified.....	1,997	245,282,687	51,422,803	5,715,210	3,839,902	12,475,482	29,392,209
124 Foundry and machine-shop products.....	10,934	2,104,980,938	804,346,457	56,876,683	46,502,933	78,295,712	622,571,129
125 Foundry supplies.....	76	7,501,631	1,919,551	370,428	178,844	338,250	1,032,029
126 Fuel, manufactured.....	11	2,908,130	365,655	24,104	34,240	75,766	221,545
127 Fur goods.....	1,815	80,700,925	32,142,358	2,157,113	1,212,580	4,623,453	24,149,212
128 Furnishing goods, men's.....	487	53,014,006	21,678,174	1,955,716	1,102,402	5,057,190	13,582,866
129 Furniture.....	3,164	423,992,405	184,817,254	14,467,990	10,113,403	18,919,545	141,116,316
130 Furs, dressed.....	141	8,867,403	8,602,827	818,248	335,022	351,271	7,098,286
131 Galvanizing and other coating processes.....	52	4,316,455	2,849,704	230,216	202,281	169,334	2,247,953
132 Gas and electric fixtures.....	341	36,872,737	14,291,666	1,486,824	901,924	2,100,588	9,802,380
133 Gas, illuminating and heating.....	1,022	1,465,656,265	77,931,081	2,595,478	5,703,944	16,873,031	52,758,628
134 Gas machines and gas and water meters.....	105	24,980,993	8,752,230	687,354	603,248	1,465,751	5,905,877
135 Glass.....	371	215,880,436	100,891,194	4,156,787	4,391,004	4,816,778	87,526,625
136 Glass, cutting, staining, and ornamenting.....	616	18,088,650	8,292,940	801,383	442,505	804,221	6,154,831
137 Gloves and mittens, leather.....	355	29,870,277	11,248,830	958,594	781,383	1,357,614	8,150,784
137x Gloves and mittens, cloth, not including gloves made in textile mills.	182	17,687,953	6,092,322	489,412	326,199	421,465	4,855,246
138 Glucose and starch.....	56	58,182,682	14,174,845	442,026	895,221	875,115	11,962,483
139 Glae, not elsewhere specified.....	62	27,237,123	6,155,360	379,798	366,330	632,508	4,776,724
140 Gold and silver, leaf and foil.....	87	1,571,557	1,188,192	95,151	50,570	58,871	983,600
141 Gold and silver, reducing and refining, not from the ore.....	87	9,757,415	1,481,301	212,686	160,171	264,836	843,608
142 Graphite, ground and refined.....	24	4,302,788	711,584	58,554	73,721	144,992	434,317
143 Grease and tallow, not including lubricating greases.....	482	37,380,094	9,950,462	680,324	616,746	708,014	7,954,378
144 Grindstones.....	23	2,045,460	706,741	65,354	19,795	22,961	598,631
145 Haircloth.....	18	2,900,150	569,059	57,150	42,487	44,264	425,149
146 Hair work.....	198	3,580,546	1,540,946	184,870	70,653	220,793	1,084,630
147 Hammocks.....	6	153,405	52,950	4,800	2,680	5,238	40,241
148 Hand stamps.....	298	4,249,546	3,042,194	477,151	214,832	517,630	1,832,581
149 Hardware.....	548	133,025,619	57,469,263	3,788,072	2,672,342	5,828,898	45,229,950
150 Hardware, saddlery.....	37	10,991,945	4,925,837	321,460	171,320	380,249	4,043,799

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	RENT AND TAXES.				COST OF MATERIALS USED.			Value of products.	
	Total.	Rent offactory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
\$8,628	\$1,388,331	\$38,827	\$1,157,038	\$191,506	\$12,228,187	\$11,297,045	\$831,142	\$30,049,270	
807	85,719	47,506	28,300	9,844	940,556	808,633	140,923	2,644,763	
936,389	21,599,073	277,061	18,046,520	2,675,492	217,550,771	211,556,910	5,993,801	464,774,735	
58	30,923	22,257	3,362	5,304	1,484,269	1,456,270	27,900	2,248,122	
58,903	353,429	263,256	69,896	20,277	1,927,323	1,813,422	113,901	7,350,602	
138,215	865,542	423,647	303,154	138,741	6,980,747	6,777,505	203,242	24,209,154	
4,665	32,694	31,424	313	957	219,268	214,645	4,023	1,153,618	
44,980	1,482,414	657,116	651,628	173,670	21,064,743	21,731,600	233,083	39,604,077	
30,542	2,737,975	15,714	2,026,447	698,814	45,011,040	43,194,660	2,710,380	92,474,813	
1,049,381	1,788,172	830,826	775,747	172,599	32,591,073	32,184,370	426,694	64,054,481	
153,345	368,775	333,005	20,981	14,809	6,694,596	6,658,588	36,008	15,377,953	
9,009	1,650,453	42,110	1,375,654	238,080	22,780,775	22,155,130	625,639	30,229,540	
47,338	886,420	13,377	745,488	127,564	28,098,570	22,039,508	6,059,068	38,533,984	
171,318	8,475,314	345,582	6,613,120	1,516,603	185,040,522	181,599,077	3,440,845	281,143,587	
3,820	3,605,086	37,900	3,472,128	95,058	4,227,880	3,679,005	548,875	17,616,503	
.....	1,388,410	17,896	919,680	450,834	7,813,784	6,757,191	856,593	30,181,370	
13,524	325,450	77,035	189,341	50,113	2,093,416	2,652,765	40,051	5,563,180	
77,863	108,689	13,583	77,553	17,553	2,108,156	2,061,451	46,705	4,629,984	
205,463	183,433	85,905	79,160	18,260	3,286,165	3,259,463	26,702	5,346,089	
15,065	909,023	320,811	493,074	85,538	19,418,176	19,290,698	127,478	30,116,932	
1,146	19,081	1,405	4,420	13,256	1,708,870	1,652,874	55,796	2,300,114	
942,256	19,263,367	1,663,972	12,557,593	5,041,802	1,799,180,987	1,783,901,111	15,279,876	2,052,434,385	
234,303	12,887,960	1,590,402	9,663,214	1,508,344	494,597,157	489,033,652	5,563,505	631,598,150	
6,721,830	102,120,654	7,333,607	80,455,341	14,331,706	948,069,381	809,703,679	48,365,702	2,289,250,850	
24,714	372,730	29,786	288,885	54,050	5,067,236	5,477,047	190,189	9,954,676	
12	87,399	6,963	64,028	16,408	1,380,394	1,206,171	90,223	1,073,877	
1,418,281	5,217,092	2,520,857	2,315,964	380,271	105,596,005	105,322,780	273,825	178,187,739	
1,754,490	2,245,805	824,268	1,277,690	143,907	64,743,012	64,492,998	250,914	107,834,695	
1,868,273	17,672,340	3,274,734	11,295,754	3,101,858	261,523,895	265,172,887	6,350,508	571,360,883	
117,096	428,144	213,730	180,186	34,228	6,338,835	6,046,143	292,692	20,384,569	
9,150	205,107	48,067	121,361	35,089	10,532,288	10,327,925	204,303	14,476,682	
65,262	1,207,248	661,644	343,318	202,286	20,258,538	19,749,412	509,126	42,207,953	
463,280	22,889,015	4,062,677	3,626,872	15,199,466	157,550,882	42,688,896	114,011,956	329,278,908	
52,078	623,433	75,644	401,005	146,884	10,647,402	10,362,091	285,311	26,267,074	
240,750	10,003,005	148,826	8,541,431	1,312,748	90,780,124	66,422,262	24,357,862	261,884,080	
99,878	905,972	412,049	78,386	14,357,878	14,061,039	296,839	28,443,321	186	
1,559,224	1,004,330	191,932	666,294	146,110	28,286,129	28,102,312	183,817	46,940,511	
95,224	1,146,635	169,510	877,829	99,796	16,092,462	15,939,953	152,509	28,220,113	
551	4,034,324	12,867	8,779,142	242,315	130,328,848	126,626,868	3,702,280	186,256,260	
20,075	761,154	48,223	547,189	165,742	19,279,905	17,682,007	1,647,808	32,134,067	
48,507	41,792	19,223	11,250	11,319	2,655,335	2,630,724	24,611	4,481,568	
72,060	415,376	55,789	309,380	50,207	49,736,978	49,540,636	196,342	55,483,215	
49,696	99,892	5,109	52,420	42,383	1,092,684	946,449	146,235	2,239,587	
58,000	1,581,681	177,077	1,122,948	201,656	47,756,341	45,545,421	2,210,920	67,265,206	
47,042	3,469	28,471	15,102	243,853	180,465	63,388	1,369,423	144	
11,731	56,004	32,683	12,177	11,144	2,259,142	2,217,552	41,500	3,315,113	
114,156	191,605	172,210	18,105	6,290	3,829,197	3,812,754	16,443	6,963,033	
5,323	8,208	1,309	806	169,492	162,220	7,272	255,755	147	
44,045	428,614	230,408	180,792	37,414	2,034,426	2,563,058	71,368	7,738,773	
931,217	6,573,034	497,437	5,062,655	1,012,942	55,533,769	55,308,774	3,164,995	154,524,888	
.....	1,799,070	5,058	1,445,824	348,188	4,281,589	3,961,506	320,083	14,136,556	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	PROPRIETORS AND FIRM MEMBERS.		NUMBER OF SALARIED EMPLOYEES.							
			Total,	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.		
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.	
	17	18	19	20	21	22	23	24	25	
101 Emery and other abrasive wheels.....	19	1	1,300	76	8	216	4	586	410	
102 Enameling.....	76	.....	110	20	.....	19	1	40	30	
103 Engines, steam, gas, and water.....	86	7	18,576	501	8	3,167	26	10,593	4,191	
104 Engravers' materials.....	11	.....	67	13	.....	12	1	19	22	
105 Engraving and diesinking.....	531	2	245	43	3	28	.....	91	80	
106 Engraving, steel and copper plate, including plate printing.....	358	12	1,395	201	12	238	26	431	487	
107 Engraving, wood.....	62	.....	90	12	1	9	.....	52	16	
108 Envelopes.....	32	1	1,331	138	10	196	17	463	507	
109 Explosives.....	14	14	6,152	126	5	1,381	9	2,903	1,728	
110 Fancy articles, not elsewhere specified.....	547	59	2,573	328	44	337	61	952	851	
111 Feathers and plumes.....	214	25	481	58	8	65	24	203	123	
112 Felt goods.....	8	.....	690	82	6	110	.....	242	250	
113 Ferroalloys.....	8	.....	398	49	.....	110	.....	175	64	
114 Fertilizers.....	209	10	6,007	592	31	1,285	6	3,918	775	
115 Files.....	24	.....	552	50	1	92	.....	193	207	
116 Firearms.....	8	1	1,238	38	.....	156	1	577	406	
117 Fire extinguishers, chemical.....	17	2	332	25	2	75	13	124	93	
118 Fireworks.....	26	.....	148	38	5	40	1	39	27	
119 Flags and banners.....	54	6	220	35	3	34	3	68	77	
120 Flavoring extracts.....	337	19	1,630	256	13	145	7	896	322	
121 Flax and hemp, dressed.....	25	1	45	9	.....	15	.....	14	7	
122 Flour-mill and gristmill products.....	11,466	471	18,351	2,465	76	3,549	37	8,884	3,390	
123 Food preparations, not elsewhere specified.....	1,819	80	11,865	1,029	45	1,350	48	6,673	2,725	
124 Foundry and machine-shop products.....	7,376	286	86,879	9,711	387	17,608	207	38,273	20,693	
125 Foundry supplies.....	23	.....	402	90	3	73	2	141	93	
126 Fuel, manufactured.....	.....	.....	57	5	.....	15	.....	31	6	
127 Fur goods.....	2,468	59	3,668	340	38	345	48	1,753	1,144	
128 Furnishing goods, men's.....	486	17	3,083	273	4	374	127	1,505	800	
129 Furniture.....	2,266	84	19,608	2,870	111	4,200	60	7,669	4,698	
130 Furs, dressed.....	124	3	477	145	6	115	1	137	73	
131 Galvanizing and other coating processes.....	39	1	267	55	3	72	.....	88	49	
132 Gas and electric fixtures.....	214	7	2,363	323	10	415	17	1,005	593	
133 Gas, illuminating and heating.....	27	.....	20,393	882	19	2,508	15	11,088	5,881	
134 Gas machines and gas and water meters.....	23	1	1,463	129	4	227	4	719	380	
135 Glass.....	56	4	6,076	689	17	1,720	12	2,042	1,596	
136 Glass, cutting, staining, and ornamenting.....	515	16	1,237	282	14	204	6	383	348	
137 Gloves and mittens, leather.....	391	14	1,504	201	11	340	57	601	288	
137x Gloves and mittens, cloth, not including gloves made in textile mills.	128	5	627	100	4	128	28	173	194	
138 Glucose and starch.....	37	.....	862	60	1	335	1	328	137	
139 Glue, not elsewhere specified.....	22	1	618	61	6	140	3	271	137	
140 Gold and silver, leaf and foil.....	88	9	99	18	4	19	5	17	36	
141 Gold and silver, reducing and refining, not from the ore.	78	3	270	47	1	35	.....	122	65	
142 Graphite, ground and refined.....	10	.....	157	15	1	33	1	66	41	
143 Grease and tallow, not including lubricating greases.....	439	15	1,175	183	5	312	.....	484	191	
144 Grindstones.....	7	.....	48	21	.....	9	.....	11	7	
145 Haircloth.....	15	4	67	11	1	15	.....	23	17	
146 Hair work.....	173	37	255	30	4	28	3	94	96	
147 Hammocks.....	6	.....	8	2	.....	3	.....	1	2	
148 Hand stamps.....	278	17	692	103	10	99	4	256	220	
149 Hardware.....	300	19	6,130	611	31	1,065	19	2,019	2,385	
150 Hardware, saddlery.....	20	1	377	44	75	4	141	113	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	NUMBER OF WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						FUEL USED.							
	Total.	10 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.			
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural 1,000 cubic feet).	Manufactured (1,000 cubic feet).		
26	27	28	29	30	31	32	33	34	35	36	37	38		
5,601	6,338	5,438	860	9	31	24,330	60,180	408	2,783	2	248	4,702	101	
694	806	622	160	14	10	2,985	8,423	44	6,526	1	41,180	47,880	102	
77,017	85,053	83,063	1,872	109	9	6,399	658,019	94,940	204,055	65,106	493,764	313,300	103	
174	206	201	.....	5	.....	654	682	.....	.....	6	203	4,576	104
1,878	2,127	1,912	167	46	2	1,011	1,890	25	15	10	682	67,137	105	
7,014	7,824	4,544	3,018	126	136	3,200	6,324	39	.....	136	4,999	5,500	106
235	240	232	2	6	.....	5	98	.....	.....	.....	12	60	107
8,129	8,767	3,373	5,295	31	68	2,323	16,616	52	414	155	3,656	2,101	108	
9,249	9,020	8,845	175	.....	.....	40,489	440,031	4,190	181,253	173	65,357	.....	109
13,961	15,863	7,222	8,007	203	341	8,238	14,390	1,224	3,304	110	2,675	25,547	110	
3,501	3,234	443	2,707	7	17	238	353	33	243	1	300	9,568	111	
5,236	5,895	4,478	1,371	30	16	18,447	65,588	.....	17,702	1	5,590	78	112
2,344	3,204	3,192	10	2	.....	2,005	83,551	815,322	1,060	350	4,499	.....	113
26,296	30,071	29,565	428	78	.....	12,749	349,012	1,308	64,442	6,933	52,546	1,851	114
5,767	6,192	5,280	865	41	6	16,356	41,966	730	40,609	12	50,552	21,923	115	
11,287	11,497	10,300	1,058	49	.....	2,174	74,415	.....	11,451	1,310	.....	29,389	116
777	802	609	193	.....	.....	110	867	108	.....	8	2,625	3,079	117
1,222	1,208	713	527	14	14	687	6,253	280	801	75	.....	625	118
1,065	916	213	679	5	10	240	780	.....	70	50	706	1,721	119
2,188	2,274	1,125	1,113	17	19	1,409	7,809	80	102	20	11,822	9,186	120	
420	538	493	44	.....	.....	1	55	16,781	21	.....	842	.....	121
45,481	49,032	48,088	1,170	72	2	57,034	1,582,494	5,134	645,553	84,636	1,143,616	13,839	122	
30,365	33,829	23,810	9,707	177	135	65,048	456,951	10,422	105,347	7,790	582,372	393,846	123	
482,767	538,308	519,425	16,655	2,091	137	302,860	3,702,807	1,377,503	2,170,596	100,714	19,280,510	2,553,183	124	
908	972	943	22	7	.....	1,735	17,753	0,153	401	300	75,967	0,788	125
171	284	274	10	.....	.....	7,647	4,445	675	.....	.....	.....	.....	126
13,630	15,626	9,816	5,737	42	31	4,600	3,523	14	20	2	5,988	8,373	127	
18,944	20,881	3,334	16,886	103	558	8,892	7,651	10	4,020	84	2,293	6,158	128	
188,331	150,384	141,447	12,387	1,751	819	36,346	832,502	18,000	10,732	4,283	236,865	85,117	129	
5,075	5,365	4,488	813	34	30	4,406	14,603	142	57	3	360	2,999	130	
1,065	1,580	1,504	82	.....	.....	5,038	8,610	4,298	1,014	165	72,063	89,209	131
9,795	11,148	8,565	2,351	138	94	7,039	80,617	1,044	1,068	280	31,130	85,743	132	
42,908	44,280	44,058	200	22	.....	1,388,467	7,383,687	1,497,435	19,069,171	120,629	529,958	111,930	133
5,589	5,838	5,466	367	14	1	5,718	8,586	1,533	2,337	322	7,384	62,427	134	
77,520	93,320	81,214	10,410	1,415	281	15,268	2,653,654	131,998	895,984	14,135	37,002,449	1,498,408	135	
6,480	7,446	5,502	1,793	89	55	4,710	8,428	651	2,000	60	48,840	43,355	136	
10,685	11,459	4,753	6,226	201	279	2,052	10,597	128	3	97	3,860	4,770	137	
8,986	10,133	1,219	8,555	76	283	1,056	10,557	42	11	59	2,689	977	137x	
7,795	9,737	8,796	988	7	1	113,141	869,183	14,822	17,518	28	.....	23,335	138
4,264	4,490	3,992	491	7	.....	11,420	324,287	1,002	1,490	27	4,672	139	
950	1,042	480	542	13	7	1,177	177	141	11	11	754	140		
644	700	655	46	.....	.....	430	4,280	4,168	16,634	44	1,070	16,081	141
497	641	610	31	.....	.....	5,206	7,688	82	151	115	115	142	
6,647	6,684	6,438	213	38	.....	21,133	337,311	344	65,605	16,540	52,161	214,250	143
674	563	559	4	.....	.....	18,610	50	15	20,089	.....	.....	144	
425	460	236	222	1	1	968	2,335	5	52	225	14,540	4,892	145	
1,084	1,185	288	832	8	12	253	832	16	2	120	1,352	6,256	146	
64	61	22	30	4	5	17	608	.....	.....	.....	1,049,141	147	
1,719	1,776	1,426	290	60	10	1,488	4,147	19	15	3	10,798	9,882	148	
42,505	47,585	38,360	8,283	640	296	37,933	248,791	29,368	78,076	8,712	280,356	982,790	149	
3,675	3,857	3,238	588	22	9	3,563	37,662	7,108	8,290	225	14,540	4,892	150	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of estab- lishments reporting horse- power.	Aggregate horsepower.	PRIMARY POWER.							
			Owned.							
			Total horsepower.	Steam engines.		Steam turbines.		Internal-combus- tion engines.		
				Number.	Horse- power.	Number.	Horse- power.	Number.	Horse- power.	
	89	40	41	42	43	44	45	46	47	
101 Emery and other abrasive wheels.....	58	12,963	3,143	19	1,464	2	1,067	3	12	
102 Enameling.....	55	1,183	377	6	377					
103 Engines, steam, gas, and water.....	364	190,021	86,690	198	42,737	49	27,845	216	15,773	
104 Engravers' materials.....	20	759	259	1	150			4	109	
105 Engraving and diesinking.....	241	1,760	238	4	195			5	43	
106 Engraving, steel and copper plate, including plate printing.....	268	5,420	844	18	799			5	40	
107 Engraving, wood.....	19	67								
108 Envelopes.....	102	7,187	3,001	24	2,576	1	35	4	265	
109 Explosives.....	115	51,035	35,149	293	23,304	31	10,372	5	40	
110 Fancy articles, not elsewhere specified.....	425	8,982	2,543	24	1,834			18	282	
111 Feathers and plumes.....	96	594	273	2	260			2	13	
112 Felt goods.....	47	16,411	12,175	56	7,805	4	2,025	2	4	
113 Ferroalloys.....	28	37,087	32,508	94	32,285	2	185	3	88	
114 Fertilizers.....	564	125,939	46,053	549	39,274	6	1,208	210	4,802	
115 Files.....	48	11,005	7,513	31	7,232			6	250	
116 Firearms.....	25	26,167	14,354	6	846	6	13,350			
117 Fire extinguishers, chemical.....	22	855	11					3	11	
118 Fireworks.....	24	1,005	605	12	535			3	30	
119 Flags and banners.....	64	778	317	3	225			2	42	
120 Flavoring extracts.....	183	3,376	559	11	465			16	103	
121 Flax and hemp, dressed.....	18	1,920	1,535	12	1,345	2	110	1	80	
122 Flour-mill and gristmill products.....	10,673	876,405	611,067	2,916	302,826	86	26,763	3,427	96,201	
123 Food preparations, not elsewhere specified.....	1,675	150,230	58,026	456	42,874	20	9,019	281	5,337	
124 Foundry and machine-shop products.....	10,597	1,054,840	380,228	2,428	287,629	142	45,437	2,158	53,717	
125 Foundry supplies.....	62	6,328	3,420	21	2,640			11	465	
126 Fuel, manufactures.....	11	5,180	1,845	14	1,845					
127 Fur goods.....	1,616	5,327	987	0	970			2	14	
128 Furnishing goods, men's.....	408	5,665	2,859	30	2,644			11	140	
129 Furniture.....	2,756	262,703	174,189	1,199	157,312	38	7,885	210	4,270	
130 Furs, dressed.....	124	5,621	1,944	22	1,832	3	60	5	52	
131 Galvanizing and other coating processes.....	40	1,631	605	6	123	1	25	6	457	
132 Gas and electric fixtures.....	301	9,910	4,922	34	4,172			27	588	
133 Gas, illuminating and heating.....	767	238,467	205,091	2,889	148,398	649	48,923	151	7,574	
134 Gas machines and gas and water meters.....	97	8,601	2,280	6	515	1	60	33	1,714	
135 Glass.....	369	207,430	154,474	411	80,715	24	18,425	371	52,877	
136 Glass, cutting, staining, and ornamenting.....	475	5,110	1,019	18	628			32	382	
137 Gloves and mittens, leather.....	300	3,288	1,283	14	918			17	73	
137x Gloves and mittens, cloth, not including gloves made in textile mills.	169	3,364	511	9	267	1	120	14	124	
138 Glucose and starch.....	52	52,846	48,451	101	19,285	19	28,291	13	345	
139 Glue, not elsewhere specified.....	48	16,979	16,286	80	13,684	4	2,500	5	102	
140 Gold and silver, leaf and foil.....	61	408	91	2	65			8	26	
141 Gold and silver, reducing and refining, not from the ore.....	72	3,279	1,171	9	1,015	1	62	10	94	
142 Graphite, ground and refined.....	24	7,445	3,176	17	2,468			4	233	
143 Grease and tallow, not including lubricating greases.....	353	25,584	18,582	362	16,806	23	1,437	38	339	
144 Grindstones.....	23	3,031	2,922	86	2,476			24	440	
145 Haircloth.....	15	1,153	826	6	620					
146 Hairwork.....	43	119	70	2	70					
147 Hammocks.....	6	92	50					1	50	
148 Hand stamps.....	211	1,474	533	7	517			2	12	
149 Hardware.....	519	67,589	33,228	192	23,991	14	5,915	63	1,760	
150 Hardware, saddlery.....	36	7,161	5,595	20	4,806	1	1,000	12	209	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

PRIMARY POWER.								ELECTRIC MOTORS.			
Owned.				Rented.				Total.		Run by current generated in establishment.	
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.				
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.	
48	49	50	51	52	53	54	55	56	57	58	59
				9,820	894	9,820		802	11,812	108	1,992
				800	105	801	5	212	1,156	47	355
6	335			103,381	10,008	103,315	16	17,496	213,727	7,488	110,412
				500	50	474	26	50	474		104
				1,522	462	1,512	10	462	1,512		105
1	5			4,570	1,884	4,509	67	2,038	5,045	154	536
				67	39	67		39	67		107
1	125			4,180	2,018	4,123	63	2,038	5,701	920	1,693
38	1,308	6	125	16,480	1,058	16,480		2,070	39,305	1,021	22,819
13	423	1	4	6,439	1,370	6,114	325	1,422	6,343	52	229
				321	108	229	92	180	394	12	165
21	2,341			4,236	411	4,236		911	7,926	500	3,090
				4,579	422	4,679		528	24,035	106	10,450
4	345	20	364	79,880	3,758	79,886		4,535	93,111	777	13,225
1	25			4,392	210	4,384	8	251	4,992	41	608
2	158			11,813	846	11,813		1,394	20,848	548	9,030
				844	87	844		87	844		117
2	40			400	65	400		91	440	26	40
1	50			461	180	461		189	476	9	15
		1	1	2,817	715	2,817		755	2,897	40	80
				385	23	385		24	895	1	10
4,052	184,036	88	1,161	204,438	9,667	263,497	941	11,493	300,610	1,826	46,113
14	796			92,204	8,798	91,043	561	10,008	112,708	2,110	21,155
218	12,972	20	473	674,612	63,001	660,037	14,575	88,258	953,705	25,197	293,758
5	315			2,908	201	2,907	1	232	3,495	31	588
				3,835	154	3,835		162	3,555	8	220
1	3			4,340	5,785	4,340		5,785	4,340		127
3	75			2,806	1,787	2,800	6	2,076	4,042	339	1,242
81	4,687	5	26	88,514	12,062	86,527	1,987	10,546	136,721	6,584	50,194
				3,677	544	3,477	200	504	3,809	50	332
				1,020	133	966	60	239	2,014	106	1,048
4	160	1	2	4,088	908	4,734	254	1,293	7,416	385	2,082
1	12	12	184	33,376	1,413	33,303	13	3,235	55,403	1,822	22,040
				6,312	700	6,297	15	855	7,471	155	1,174
227	2,452	1	5	52,956	3,897	52,804	92	9,720	143,125	6,323	90,261
2	39			4,091	919	4,023	68	923	4,093	4	70
8	300	3	2	1,905	749	1,995		767	2,064	18	89
				2,853	733	2,853		773	3,045	40	192
8	530			4,395	142	3,585	810	2,998	47,735	2,856	44,150
				693	62	693		880	11,894	818	11,201
				317	87	317		88	322	1	5
				2,108	888	1,970	138	406	2,132	18	162
6	475			4,269	114	4,269		120	4,391	6	122
				7,002	408	6,962	40	747	12,758	339	5,796
2	206			709	21	709		28	879	5	170
				327	10	146	181	10	146		145
				49	45	49		45	49		146
				42	7	42		7	42		147
1	4			941	549	941		854	1,219	105	278
32	1,556			34,361	3,265	33,886	495	4,111	45,066	846	11,200
2	80			1,566	82	1,551	15	195	3,916	113	2,365

CENSUS OF MANUFACTURES : 1919.

TABLE 18—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establish- ments.	Capital.	SALARY AND WAGE PAYMENTS.					
			Total.	Officers of corporations.	Superin- tendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.	
			1	2	3	4	5	6	7
151 Hat and cap materials.....	133	\$19,861,835	\$4,082,698	\$449,219	\$230,949	\$269,959	\$3,132,571	
152 Hats and caps, other than felt, straw, and wool.....	709	18,515,472	12,204,553	891,220	516,126	1,358,343	9,438,864	
153 Hats, fur-felt.....	176	58,127,770	24,274,203	1,558,722	730,169	2,342,781	19,642,531	
154 Hats, straw.....	148	18,580,183	9,160,677	917,508	530,051	1,108,085	6,004,933	
155 Hats, wool-felt.....	40	3,831,376	1,746,028	137,842	84,544	135,865	1,387,777	
156 Hones and wheelstones.....	11	847,340	288,048	40,274	14,560	30,213	203,001	
157 Horseshoes, not made in steel works or rolling mills.....	20	4,589,563	1,215,854	159,689	68,026	157,200	830,249	
158 House-furnishing goods, not elsewhere specified.....	467	32,626,867	10,214,243	1,191,962	684,598	1,893,768	6,443,916	
159 Ice, manufactured	2,867	270,725,736	44,953,968	4,168,486	3,950,757	2,842,888	34,001,837	
160 Ink, printing.....	90	18,702,523	5,392,082	998,377	500,005	1,318,780	2,574,920	
161 Ink, writing	61	4,803,485	1,553,214	219,437	152,012	585,507	596,108	
162 Instruments, professional and scientific.....	351	51,570,479	24,561,534	1,981,597	1,556,187	3,623,892	17,499,888	
163 Iron and steel, blast furnaces	195	802,416,541	87,204,443	2,266,150	4,243,728	6,625,164	73,709,395	
164 Iron and steel, steel works and rolling mills.....	500	2,656,518,417	737,517,850	14,235,399	29,329,009	56,316,012	637,037,430	
165 Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	144	75,715,918	26,280,253	1,857,705	1,185,285	2,263,429	20,973,834	
166 Iron and steel, cast-iron pipe.....	59	42,863,026	17,130,610	718,837	667,250	1,045,616	14,705,398	
167 Iron and steel, doors and shutters.....	57	9,849,235	3,987,808	533,574	251,922	472,538	2,729,774	
168 Iron and steel, forgings, not made in steel works or rolling mills.....	241	135,246,144	50,097,913	3,864,210	2,438,091	4,028,059	39,772,553	
169 Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	65	13,215,785	4,574,797	378,060	260,945	538,230	3,397,562	
169x Iron and steel, tempering and welding	520	7,626,948	3,845,911	511,343	263,416	328,224	2,742,928	
170 Iron and steel, wrought pipe.....	50	72,709,472	17,774,802	869,992	640,072	1,344,882	14,019,876	
171 Ivory, shell, and bone work, not including combs and hairpins.....	44	1,365,754	952,682	84,398	34,086	99,266	734,932	
172 Japanning.....	36	461,561	320,429	40,460	15,793	12,536	200,640	
173 Jewelry.....	2,054	121,070,305	50,051,565	4,828,203	2,742,592	6,017,052	35,883,718	
174 Jewelry and instrument cases.....	142	3,697,104	2,816,768	325,201	144,888	199,031	2,147,648	
175 Jute goods.....	26	41,335,845	7,550,301	282,802	308,212	432,941	6,436,280	
176 Knit goods.....	2,050	516,457,991	157,526,402	11,969,228	8,196,641	12,160,713	125,199,820	
177 Labels and tags.....	119	14,118,792	7,008,178	813,083	501,003	1,143,590	4,549,902	
178 Lamps and reflectors.....	171	26,099,941	11,936,137	866,331	720,203	1,057,106	9,292,497	
179 Lapidary work.....	124	19,209,627	3,636,454	423,932	145,152	120,559	2,837,811	
180 Lard, not made in slaughtering or meat-packing establishments.....	6	40,537	18,480			6,306	12,154	
181 Lasts	64	8,177,560	4,526,317	334,028	424,230	352,109	3,415,950	
183 Lead, bar, pipe, and sheet.....	32	9,419,730	1,021,557	70,884	184,518	290,214	1,066,941	
184 Leather goods, not elsewhere specified.....	503	33,341,468	13,437,845	1,492,389	711,804	1,818,249	9,415,403	
185 Leather, tanned, curried, and finished.....	680	671,341,553	108,384,445	8,185,113	6,197,296	5,790,563	88,205,473	
186 Lime.....	476	45,844,532	12,865,076	754,789	611,633	620,458	10,889,196	
187 Linen goods.....	10	7,527,596	1,964,967	73,290	93,636	162,399	1,035,642	
188 Liquors, distilled.....	34	45,618,110	2,864,483	564,881	305,187	287,716	1,716,699	
189 Liquors, malt.....	729	583,428,947	68,071,288	8,509,678	5,543,423	8,847,755	45,170,432	
190 Liquors, vinous.....	342	14,855,481	2,383,986	271,560	200,004	898,524	1,013,898	
191 Lithographing.....	331	60,817,330	27,314,040	2,861,841	1,854,811	4,398,209	18,201,089	
192 Locomotives, not made by railroad companies.....	17	138,275,823	43,576,957	701,510	973,654	3,103,152	38,798,641	
193 Looking-glass and picture frames.....	429	10,070,709	6,601,323	620,514	325,599	779,988	4,775,227	
194 Lubricating greases.....	53	5,242,636	1,734,078	261,077	114,829	787,347	568,025	
195 Lumber and timber products.....	26,119	1,357,091,571	545,347,364	17,864,642	20,157,341	17,906,390	489,410,091	
196 Lumber, planing-mill products, not including planing-mills connected with sawmills.	5,309	361,848,079	120,512,866	10,799,950	7,517,491	10,218,899	91,976,526	
197 Machine tools.....	403	231,039,843	84,216,825	4,776,986	4,714,966	8,545,904	66,178,969	
198 Malt.....	55	34,820,495	2,862,711	530,921	240,575	246,005	1,845,210	
199 Marble and stone work.....	4,240	112,568,533	47,115,676	3,147,265	2,369,478	3,244,121	38,354,822	
200 Matches.....	21	29,477,460	4,865,832	188,093	389,143	1,233,759	3,059,587	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	RENT AND TAXES.				COST OF MATERIALS USED.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
\$57,036	\$867,090	\$137,537	\$644,213	\$85,940	\$16,643,010	\$16,490,084	\$153,835	\$26,521,212	
135,921	768,020	636,043	98,006	33,980	24,170,514	24,018,776	157,738	44,539,861	
23,404	2,353,266	224,895	1,871,270	257,002	40,158,010	30,128,797	1,020,222	82,745,308	
65,840	851,964	431,801	337,322	82,838	16,910,408	16,662,000	248,408	32,187,361	
7,082	107,828	20,781	55,479	22,568	3,069,822	3,594,716	105,106	0,739,652	
500	14,422	3,060	6,167	5,195	320,451	205,381	25,070	793,778	
37,765	37,765	1,208	6,176	30,381	1,536,619	1,356,018	180,601	3,367,001	
140,620	1,377,558	551,205	657,505	108,848	39,793,902	39,439,747	351,215	60,211,804	
234,167	5,717,386	771,325	2,400,591	2,545,470	42,877,508	17,271,245	25,600,264	137,004,708	
117,743	740,693	116,035	430,106	185,552	14,601,115	14,327,700	333,310	26,244,470	
457,304	46,585	365,000	44,810	3,320,346	3,207,034	22,412	6,433,041	161	
54,480	3,055,825	502,233	2,185,996	367,500	10,494,634	18,018,600	576,034	58,136,601	
692,293	20,936,561	384,763	16,063,747	4,488,051	621,286,408	385,662,848	235,623,653	794,466,558	
2,903,415	88,102,211	305,434	75,352,303	12,444,474	1,080,575,758	1,523,610,806	156,904,802	2,828,902,376	
122,553	4,770,685	150,775	3,063,665	666,245	44,277,117	42,127,433	2,149,684	89,743,882	
37,795	1,267,255	20,782	991,297	255,176	25,386,552	22,744,779	2,641,773	50,235,101	
30,031	270,260	64,050	160,372	54,828	4,577,034	4,466,284	111,650	10,877,001	
152,048	11,120,089	280,094	9,372,350	1,400,745	82,024,492	73,280,871	8,737,021	173,752,104	
8,608	752,850	50,064	563,947	132,239	8,874,747	8,545,006	320,741	17,583,344	
65,124	981,071	241,908	696,915	42,848	3,575,881	3,204,994	370,887	10,095,672	
12,769	3,685,243	37,254	3,345,222	302,767	51,155,653	49,307,757	1,847,806	81,869,115	
9,534	74,247	28,095	38,955	7,197	1,293,876	1,250,506	43,370	2,816,530	
50	27,025	24,240	525	2,260	221,901	103,204	28,637	771,143	
2,274,288	4,506,106	2,051,552	1,098,150	510,404	110,450,638	100,713,874	736,809	203,039,230	
139,350	195,265	149,288	32,758	13,219	3,505,840	3,458,189	47,071	8,126,300	
46,741	1,104,102	37,067	943,309	213,126	17,708,834	17,255,328	453,506	34,442,608	
8,495,982	25,960,570	2,272,445	20,560,248	3,124,886	427,095,560	421,630,358	5,465,202	713,130,689	
303,771	843,866	201,011	561,355	80,600	11,274,767	11,120,220	154,547	24,243,902	
29,133	1,182,743	220,463	680,505	281,775	18,420,033	18,026,214	402,819	88,098,017	
19,691	270,005	135,916	123,164	10,925	19,363,004	19,331,643	31,361	30,051,400	
4,483	3,540	100	843	175,317	174,755	502	219,600	180	
61,486	800,607	95,390	636,551	68,666	3,932,662	3,771,748	160,914	12,470,580	
35,676	155,943	16,130	63,445	76,308	13,634,120	13,486,112	148,008	17,174,281	
409,120	1,166,571	618,185	455,674	92,712	30,035,537	29,856,600	178,937	52,052,772	
2,337,011	27,236,391	738,408	28,097,101	3,400,882	610,521,527	636,098,271	9,823,256	928,591,701	
70,430	985,500	88,937	597,314	209,249	14,296,925	8,269,479	6,027,446	83,970,463	
479	172,490	12,581	90,197	69,771	4,190,187	4,026,499	163,688	6,098,046	
125,770	3,800,266	18,238	3,584,872	203,156	10,055,522	18,580,658	1,094,864	31,854,085	
297,030	99,498,631	1,209,150	91,719,501	6,479,881	94,792,659	93,228,931	11,568,728	370,905,085	
55,085	2,625,055	55,085	2,349,827	220,143	8,115,841	8,021,765	94,076	17,454,194	
1,383,424	2,400,403	1,019,760	1,028,375	352,259	27,718,217	27,128,998	589,219	73,151,115	
5,425,737	554	4,308,584	1,110,509	72,375,950	68,268,472	3,107,478	160,269,730	192	
40,051	799,007	556,617	178,840	63,550	7,227,232	7,053,524	173,708	18,384,562	
6,252	167,025	27,080	111,289	29,266	4,807,501	4,751,129	56,372	8,868,772	
37,546,478	39,763,736	1,478,218	23,598,770	14,686,748	470,960,488	462,781,708	8,178,780	1,387,471,413	
1,102,507	9,898,402	2,148,320	4,833,570	2,916,512	290,265,652	294,539,870	4,725,782	600,438,258	
1,469,844	18,315,255	476,353	15,755,796	2,083,106	59,034,308	50,048,334	2,085,074	212,400,158	
115	1,067,341	88,977	647,466	330,898	31,612,707	30,468,591	1,144,116	39,340,414	
1,409,271	2,288,635	1,024,482	464,816	799,337	49,524,341	46,087,831	3,486,510	129,164,053	
1,038,508	1,038,508	14,716	787,363	236,429	6,852,970	6,577,212	275,758	18,495,876	

CENSUS OF MANUFACTURES: 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	PROPRIETORS AND FIRM MEMBERS.		Total.	NUMBER OF SALARIED EMPLOYEES.					
				Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18	19	20	21	22	23	24	25
151 Hat and cap materials.....	125	9	341	70	6	80	3	106	76
152 Hats and caps, other than felt, straw, and wool.....	914	17	1,282	269	5	182	13	534	289
153 Hats, fur-felt.....	147	1	1,660	204	6	238	30	714	414
154 Hats, straw.....	116	5	1,104	152	6	182	42	510	203
155 Hats, wool-felt.....	41	2	157	18	.....	40	4	76	19
156 Hones and whetstones.....	6	.....	44	7	.....	8	.....	17	12
157 Horseshoes, not made in steel works or rolling mills.....	11	.....	164	26	1	25	.....	71	41
158 House-furnishing goods, not elsewhere specified.....	391	26	1,740	225	11	296	39	710	460
159 Ice, manufactured.....	1,460	106	6,792	1,683	53	2,117	20	1,874	1,045
160 Ink, printing.....	50	.....	1,023	106	11	129	3	503	271
161 Ink, writing.....	52	3	459	33	3	44	3	222	154
162 Instruments, professional and scientific.....	232	16	3,008	314	14	575	26	1,502	1,178
163 Iron and steel, blast furnaces.....	29	12	5,255	221	1	1,118	1	3,031	883
164 Iron and steel, steel works and rolling mills.....	29	6	46,738	1,145	5	8,490	22	28,304	8,768
165 Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	38	1	2,000	250	9	400	1	715	616
166 Iron and steel, cast-iron pipe.....	4	.....	1,148	105	3	314	1	549	170
167 Iron and steel, doors and shutters.....	21	1	561	96	3	97	.....	246	110
168 Iron and steel, forgings, not made in steel works or rolling mills.....	56	3	4,167	421	7	860	1	1,856	1,022
169 Iron and steel, nails and spikes cut and wrought, including wire nails, not made in steel works or rolling mills.....	31	1	554	70	5	80	1	250	139
169x Iron and steel, tempering and welding.....	558	5	469	116	6	96	1	143	108
170 Iron and steel, wrought pipe.....	13	.....	1,344	90	2	228	1	681	342
171 Ivory, shell, and bone work, not including combs and hairpins.....	40	5	104	18	.....	15	6	27	38
172 Japanning.....	40	1	31	12	.....	7	.....	7	5
173 Jewelry.....	2,282	57	6,420	901	41	930	50	1,905	2,533
174 Jewelry and instrument cases.....	143	3	286	64	3	58	8	78	75
175 Jute goods.....	13	.....	436	28	1	107	.....	189	111
176 Knit goods.....	1,424	64	12,613	1,868	65	2,032	345	8,718	3,685
177 Labels and tags.....	70	3	1,348	128	15	219	6	406	574
178 Lamps and reflectors.....	112	4	1,258	174	3	284	14	407	376
179 Lapidary work.....	143	4	167	38	2	36	1	40	41
180 Lard, not made in slaughtering or meat-packing establishments.....	7	.....	10	.....	.....	.....	7	3	.....
181 Lasts.....	39	4	391	62	3	120	.....	123	83
183 Lead, bar, pipe, and sheet.....	4	.....	268	18	3	47	.....	145	55
184 Leather goods, not elsewhere specified.....	475	13	1,708	261	20	261	21	718	427
185 Leather, tanned, curried, and finished.....	373	25	6,418	794	22	2,020	22	2,267	1,293
186 Lime.....	332	17	1,101	240	12	350	5	325	169
187 Linen goods.....	.....	.....	180	11	.....	31	2	73	63
188 Liquors, distilled.....	2	.....	359	51	1	91	.....	129	87
189 Liquors, malt.....	167	26	8,227	1,386	46	1,571	6	4,472	747
190 Liquors, vinous.....	352	12	286	39	6	80	1	108	52
191 Lithographing.....	144	6	3,537	518	21	575	22	1,470	933
192 Locomotives, not made by railroad companies.....	1	.....	2,026	55	1	269	.....	1,449	252
193 Looking-glass and picture frames.....	370	19	823	183	7	151	4	291	237
194 Lubricating greases.....	18	1	547	47	5	53	1	283	158
195 Lumber and timber products.....	30,931	417	26,495	4,288	118	8,035	25	9,860	3,269
196 Lumber, planing-mill products, not including planing mills connected with sawmills.....	4,270	161	15,095	3,051	101	3,603	40	5,611	2,689
197 Machine tools.....	129	3	8,519	615	22	1,681	15	8,698	2,488
198 Malt.....	8	.....	353	92	8	80	1	139	22
199 Marble and stone work.....	4,664	120	4,672	1,030	42	1,141	8	1,736	715
200 Matches.....	3	1,397	34	180	2	1,018	163

CENSUS OF MANUFACTURES: 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	NUMBER OF WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					FUEL USED.							
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).	
26	27	28	29	30	31	32	33	34	35	36	37	38	
3,009	3,602	2,238	1,316	16	32	8,003	9,385	542	4	.....	2,114	151
7,539	8,721	5,608	3,058	24	31	988	942	28	.....	30	3,703	31,198
18,510	21,132	14,985	5,758	204	185	57,297	75,038	1,130	8,915	135	1,283	25,366	
7,302	8,686	3,328	5,289	29	40	4,573	20,814	62	126	337	1,855	6,833	
1,448	1,035	1,093	516	12	14	788	10,297	30	1	16	1,981	2,520	
212	223	197	26	.....	.....	7	2,378	.....	53	4	225	156
744	838	803	10	25	.....	4,147	19,337	50	5,002	31	.....	612
7,853	8,998	3,523	5,247	78	150	6,156	21,748	113	1,752	368	6,851	42,115	
30,247	31,101	30,654	258	187	2	205,875	3,300,036	32,327	1,022,473	11,076	6,040,121	130,843	
1,988	2,189	2,104	73	12	.....	7,059	25,177	310	6,351	.....	13,516	5,896
702	753	376	345	11	21	1,032	1,071	3	.....	3	460	410
15,931	16,324	12,482	3,610	162	70	25,192	20,183	58	1,148	226	13,134	90,103	
41,660	46,400	46,402	54	4	.....	42,770	2,201,315	32,424,625	45,082	6,242	416,311	768,642
875,088	400,620	396,741	3,695	171	13	598,944	25,911,098	886,062	8,191,143	209,839	84,567,200	6,111,088	
17,967	18,334	15,534	2,688	135	27	16,066	152,630	6,551	209,028	1,718	613,920	42,360	
12,625	15,051	15,542	72	37	.....	27,374	96,387	256,781	419	658	3,435	1,951
2,077	2,347	2,311	34	2	.....	1,491	7,903	60	40	260	2,355	5,352
28,391	30,645	29,509	1,010	110	7	26,972	717,801	65,021	1,208,348	4,692	983,536	60,350	
3,355	3,650	2,649	940	23	32	6,100	18,003	240	5,142	554	5,722	4,283	
1,835	2,075	2,047	23	5	.....	892	11,036	1,093	7,893	951	60,386	89,563
10,426	11,895	11,800	88	.....	1	45,879	270,488	18,771	27,207	480	184,926	4,247
842	891	671	193	18	9	865	1,067	3	.....	5	.....	5,005
295	357	334	18	5	.....	486	620	83	.....	55	11,526	8,001
30,871	34,660	23,372	10,270	573	441	5,711	12,306	254	6,854	211	27,647	167,892	
2,734	3,114	1,175	1,095	81	103	397	1,156	15	1,863	.....	2,563	4,685
7,138	7,486	3,351	3,881	110	144	9,994	29,705	.....	79	.....	3,000	175
172,572	187,746	52,134	125,440	2,938	7,234	102,024	584,787	1,654	4,172	3,354	30,542	42,526	
5,227	5,932	3,351	2,443	51	87	1,438	8,150	3	667	246	3,387	13,671	
8,360	9,512	7,113	2,314	47	38	1,619	22,918	480	3,810	271	16,969	41,301	
1,155	1,224	988	216	20	.....	54	23	.....	4	20	20	2,101
13	13	11	2	.....	.....	53	.....	.....	.....	136	.....	180
2,910	3,306	3,019	60	200	21	1,650	11,864	15	163	30	90	1,864	
852	909	896	4	8	1	10,636	10,449	220	866	2	5,465	7,001	
8,945	10,076	6,130	3,079	123	144	2,308	5,964	115	42	759	1,364	6,997	
72,470	79,205	72,257	6,507	330	111	89,722	1,448,166	73,008	9,147	10,817	176,627	34,777	
11,405	12,052	11,996	26	30	.....	57,112	872,910	102,788	21,301	5,519	53,335	500
1,890	2,053	875	1,002	67	109	3,512	13,519	.....	200	.....	.....	187
1,380	2,001	1,986	13	1	1	1,052	134,336	3,430	262,735	25,460	.....	168
34,250	31,220	30,867	331	22	.....	346,914	1,692,067	14,627	314,861	14,988	383,028	9,936
1,011	1,552	1,473	75	4	.....	8,202	1,828	14	27,043	364	112	286
15,618	16,810	13,223	3,422	110	55	12,399	30,770	1,421	2,754	653	17,001	18,407	
26,715	19,877	19,734	102	41	.....	33,863	339,071	28,202	153,980	853	66,630	11,566
4,708	5,042	4,236	724	74	8	2,400	12,408	10	.....	20	12,064	9,275
4,472	475	452	21	2	.....	109	7,302	27	571	10	876,775	1,500
480,945	626,472	620,267	5,280	864	61	15,386	1,020,058	6,221	805,081	52,546	20,310	37	
80,956	97,740	95,098	2,163	459	20	35,730	536,970	23,294	44,669	18,672	327,628	36,335	
53,111	58,776	50,618	2,035	121	2	17,513	196,071	28,871	55,681	9,462	117,390	217,840	
1,352	1,368	1,358	7	3	.....	38,863	134,992	12,456	12,556	44	.....	107
32,768	36,580	36,424	90	59	7	30,457	281,523	926	10,750	10,028	86,455	34,168	
3,726	4,806	3,073	1,548	92	93	1,640	49,559	106	6,332	19	331	200	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of estab- lishments reporting horse- power.	Aggregate horsepower.	PRIMARY POWER.								
			Owned.								
			Total horsepower.	Steam engines.		Steam turbines.		Internal-combus- tion engines.			
				Number.	Horse- power.	Number.	Horse- power.	Number.	Horse- power.		
			89	40	41	42	43	44	45	46	47
151 Hat and cap materials.....	107	4,927	3,877	24	3,607	.....	.....	.....	.....	6	65
152 Hats and caps, other than felt, straw, and wool.....	654	1,087	165	6	158	.....	.....	.....	.....	2	7
153 Hats, fur-felt.....	159	20,389	15,381	98	14,251	1	1,000	.....	.....	2	10
154 Hats, straw.....	137	3,392	2,147	28	1,770	.....	.....	.....	.....	3	131
155 Hats, wool-felt.....	33	2,696	2,239	15	1,874	.....	.....	.....	.....	.....	.....
156 Hones and whetstones.....	11	1,161	1,059	5	705	.....	.....	.....	.....	4	69
157 Horseshoes, not made in steel works or rolling mills.....	16	3,874	2,754	10	2,463	.....	.....	.....	.....	5	116
158 House-furnishing goods, not elsewhere specified.....	402	12,249	6,182	35	5,077	1	350	13	163	.....	.....
159 Ice, manufactured.....	2,778	572,970	427,487	4,324	398,812	110	13,630	435	28,003	.....	.....
160 Ink, printing.....	86	10,353	6,045	28	5,335	.....	.....	.....	.....	16	681
161 Ink, writing.....	23	610	419	4	381	.....	.....	.....	.....	4	38
162 Instruments, professional and scientific.....	320	13,020	3,624	25	3,204	.....	.....	.....	.....	29	395
163 Iron and steel blast furnaces.....	193	1,581,432	1,533,203	2,057	997,501	243	252,316	137	233,015	.....	.....
164 Iron and steel, steel works and rolling mills.....	499	3,820,917	3,123,070	4,739	2,245,846	670	610,710	141	257,473	.....	.....
165 Iron and steel, bolts, nuts, washers and rivets, not made in rolling mills.....	141	40,059	17,402	80	14,906	4	145	22	1,661	.....	.....
166 Iron and steel, cast-iron pipe.....	58	28,741	11,501	86	10,547	4	750	1	4	.....	.....
167 Iron and steel, doors and shutters.....	51	4,013	1,680	8	1,105	.....	.....	.....	.....	6	235
168 Iron and steel, forgings, not made in steel works or rolling mills.....	239	101,951	27,258	187	16,617	29	8,191	35	1,602	.....	.....
169 Iron and steel, nails and spikes, cut and wrought, including wire nails.....	61	8,974	4,488	21	3,495	.....	.....	.....	.....	8	297
169x Iron and steel, tempering and welding.....	432	8,804	1,480	14	877	.....	.....	.....	.....	45	603
170 Iron and steel, wrought pipe.....	47	23,925	13,456	59	12,206	2	1,100	3	150	.....	.....
171 Ivory, shell, and bone work, not including combs and hairpins.....	42	954	485	8	407	.....	.....	.....	.....	4	53
172 Japanning.....	29	311	25	1	25	.....	.....	.....	.....	.....	.....
173 Jewelry.....	1,809	16,389	2,306	27	1,687	1	60	31	545	.....	.....
174 Jewelry and instrument cases.....	107	1,091	302	2	200	.....	.....	8	102	.....	.....
175 Jute goods.....	26	32,135	27,578	28	8,420	2	6,100	1	12	.....	.....
176 Knit goods.....	1,962	151,801	89,758	580	68,569	20	7,434	53	814	.....	.....
177 Labels and tags.....	103	4,061	1,724	7	1,283	1	34	11	405	.....	.....
178 Lamps and reflectors.....	152	12,708	2,513	14	1,867	.....	.....	14	581	.....	.....
179 Lapidary work.....	115	680	6	.....	.....	.....	.....	2	6	.....	.....
180 Lard, not made in slaughtering and meat-packing establishments.....	4	40	25	2	25	.....	.....	.....	.....	.....	.....
181 Lasts.....	63	5,842	3,511	24	3,385	.....	.....	9	106	.....	.....
183 Lead, bar, pipe, and sheet.....	29	5,537	3,155	28	3,000	.....	.....	1	69	.....	.....
184 Leather goods, not elsewhere specified.....	438	3,902	939	17	606	.....	.....	17	217	.....	.....
185 Leather, tanned, curried, and finished.....	656	218,238	159,207	1,116	124,891	123	25,900	69	6,438	.....	.....
186 Lime.....	301	51,735	23,140	320	18,732	9	1,214	139	2,944	.....	.....
187 Linen goods.....	10	6,069	4,667	10	2,516	1	450	8	121	.....	.....
188 Liquors, distilled.....	29	16,494	8,231	82	7,039	5	560	3	32	.....	.....
189 Liquors, malt.....	718	324,431	280,286	2,982	269,093	67	7,348	34	3,651	.....	.....
190 Liquors, vineous.....	214	5,180	1,487	45	879	.....	.....	124	596	.....	.....
191 Lithographing.....	202	18,624	7,017	48	6,188	2	254	11	576	.....	.....
192 Locomotives, not made by railroad companies.....	17	97,187	37,420	78	27,010	8	7,056	5	3,355	.....	.....
193 Looking-glass and picture frames.....	219	4,089	1,453	17	1,484	.....	.....	3	19	.....	.....
194 Lubricating greases.....	41	2,178	1,455	11	1,162	.....	.....	8	293	.....	.....
195 Lumber and timber products.....	25,185	2,858,937	2,271,473	32,988	2,028,483	665	152,365	1,722	28,228	.....	.....
196 Lumber, planing-mill products, not including planing mills connected with saw mills.....	5,232	419,671	264,875	2,674	222,953	55	12,006	741	15,253	.....	.....
197 Machine tools.....	397	100,433	30,257	132	20,325	17	6,650	55	2,249	.....	.....
198 Malt.....	54	27,483	18,722	98	16,272	8	2,000	.....	.....	10,176	.....
199 Marble and stone work.....	8,338	170,182	75,149	1,000	59,373	11	710	766
200 Matches.....	21	12,947	9,567	27	5,641	5	3,922	1

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

PRIMARY POWER.								ELECTRIC MOTORS.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.	Number.	Horsepower.	Number.	Horsepower.	
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.						
48	49	50	51	52	53	54	55	56	57	58	59	
4	195	1	10	1,050	352	1,050	.....	484	1,976	132	926	151
1	120	.....	.....	1,522	1,705	1,522	.....	1,721	1,537	16	15	152
2	240	.....	.....	5,008	705	4,900	12	1,789	9,631	1,084	4,635	153
3	385	.....	.....	1,245	493	1,235	10	648	2,197	155	962	154
6	285	.....	.....	457	111	455	2	104	855	53	400	155
2	175	.....	.....	105	7	105	.....	27	366	20	261	156
5	562	.....	.....	1,120	68	1,120	.....	82	1,315	14	195	157
51	2,354	7	188	6,097	1,335	5,705	302	1,533	6,031	198	920	158
.....	.....	8	29	135,483	5,658	132,438	3,045	8,160	158,552	2,511	26,114	159
.....	.....	.....	.....	4,308	284	4,184	124	488	6,909	199	2,725	160
1	25	.....	.....	191	109	191	.....	169	456	60	265	161
9	364	1	7	9,396	1,884	9,357	39	2,689	12,056	805	2,099	162
31	7,708	2	1,333	48,229	1,004	48,204	25	7,460	242,554	6,446	194,350	163
10	690	.....	.....	697,847	22,053	695,007	2,760	85,480	2,380,500	63,427	1,655,490	164
.....	.....	.....	.....	32,557	2,286	32,557	.....	2,810	46,387	524	18,830	165
1	200	.....	.....	17,240	948	17,240	.....	2,106	35,493	1,158	18,253	166
3	350	.....	.....	2,333	334	2,333	.....	363	3,000	29	667	167
7	848	.....	.....	74,693	4,948	73,788	955	6,078	90,693	1,130	16,955	168
16	696	.....	.....	4,486	270	4,483	8	302	5,320	32	837	169
.....	.....	.....	.....	7,824	853	7,315	9	866	7,437	13	122	169x
.....	.....	.....	.....	10,469	955	10,469	.....	2,402	29,187	1,447	18,718	170
1	25	.....	.....	469	100	394	75	101	419	1	25	171
.....	.....	.....	.....	286	90	281	5	90	281	.....	.....	172
3	114	.....	.....	14,088	5,985	12,790	1,293	6,266	15,750	280	2,960	173
9	13,046	.....	.....	789	284	778	16	303	832	19	59	174
130	11,866	106	1,075	61,843	10,928	59,680	2,168	15,500	91,187	4,581	31,457	176
1	2	.....	.....	2,337	847	2,300	28	1,453	4,828	606	2,519	177
2	5	.....	.....	10,195	1,204	10,109	88	1,283	10,974	79	385	178
.....	.....	.....	.....	674	616	674	.....	616	674	.....	.....	179
.....	.....	.....	.....	15	3	15	.....	3	16	.....	.....	180
1	20	.....	.....	2,331	261	2,028	303	444	4,087	183	2,059	181
4	16	1	10	9,382	82	2,582	.....	216	4,306	134	1,984	183
25	2,024	1	5	2,983	1,145	2,901	62	1,191	3,081	46	180	184
4	250	.....	.....	28,595	1,161	28,595	.....	1,333	32,155	172	8,500	186
16	1,580	.....	.....	1,402	204	1,402	.....	237	2,407	33	1,005	187
1	600	.....	.....	8,263	177	8,263	.....	356	10,581	179	2,818	188
1	12	29	194	44,145	4,678	41,844	2,301	14,539	110,755	9,861	68,911	189
1	12	.....	.....	3,702	498	3,702	.....	510	3,722	18	20	190
.....	.....	.....	.....	11,607	3,475	11,533	74	5,361	18,957	1,886	7,424	191
.....	.....	.....	.....	59,767	2,927	59,084	683	5,763	118,873	2,836	59,780	192
.....	.....	.....	.....	3,236	740	3,206	30	750	3,233	10	27	193
.....	.....	.....	.....	723	94	723	.....	134	1,704	40	981	194
1,303	61,766	21	681	87,404	4,013	83,872	3,592	12,401	279,473	8,388	195,606	195
117	4,195	9	438	104,706	10,944	102,195	2,601	20,468	199,694	3,522	37,499	196
16	1,033	.....	.....	70,176	7,751	70,037	139	11,408	98,817	8,657	28,780	197
3	460	.....	.....	8,761	410	8,761	.....	999	21,370	589	12,618	198
27	4,837	2	54	94,983	6,065	94,028	955	6,728	106,033	668	12,005	199
.....	.....	.....	.....	3,380	472	3,380	.....	1,056	9,911	1,484	6,591	200

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establishments.	Capital.	SALARY AND WAGE PAYMENTS.					
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.	
			1	2	3	4	5	6
201 Mats and matting, from cocoa fiber, grass, and coir.....	12	\$7,190,675	\$1,040,251	\$84,120	\$33,345	\$82,179	\$10,007	
202 Mattresses and spring beds, not elsewhere specified.....	1,041	46,212,858	18,303,099	2,095,527	1,114,032	2,347,889	12,805,351	
203 Millinery and lace goods, not elsewhere specified.....	3,005	95,538,769	66,415,110	5,241,738	3,431,376	7,903,021	49,848,984	
204 Millstones.....	12	58,905	56,832	.....	10,800	1,800	43,732	
205 Mineral and soda waters.....	5,194	102,838,582	24,663,695	2,065,897	2,231,334	3,372,087	10,393,477	
206 Minerals and earths, ground or otherwise treated.....	410	60,208,617	19,449,381	1,150,937	1,069,487	910,380	10,300,518	
207 Mirrors, framed and unframed, not elsewhere specified.....	186	9,322,060	4,201,154	582,106	325,764	471,144	2,819,140	
208 Models and patterns, not including paper patterns.....	928	11,753,992	12,220,220	866,804	563,829	477,483	10,318,104	
209 Motorcycles, bicycles, and parts.....	51	35,302,150	14,963,593	670,987	628,501	900,870	12,703,235	
210 Mucilage, paste, and other adhesives, not elsewhere specified.....	127	7,133,137	1,891,180	446,096	162,599	432,112	850,282	
211 Musical instruments and materials, not specified.....	240	7,876,182	5,016,828	300,250	341,859	300,063	3,984,650	
212 Musical instruments, organs.....	68	6,770,587	2,502,190	201,038	137,324	181,410	1,978,518	
213 Musical instruments, pianos.....	191	116,106,536	31,871,806	2,425,079	1,305,677	2,006,010	25,474,200	
214 Musical instruments, piano and organ materials.....	113	32,323,069	12,509,501	1,010,338	529,010	502,470	10,407,187	
215 Needles, pins, and hooks and eyes.....	92	26,324,627	11,316,031	855,217	770,806	880,107	8,800,781	
216 Nets and seines.....	10	4,155,531	770,487	103,145	72,687	33,373	501,282	
217 Oakum.....	6	978,063	165,006	28,113	6,085	12,176	118,032	
218 Oil and cake, cottonseed.....	711	203,457,371	30,550,910	2,122,262	4,125,405	3,088,050	20,015,193	
220 Oil, essential.....	78	6,379,910	620,003	65,782	85,352	77,046	391,213	
222 Oil, linseed.....	28	73,954,065	4,461,872	584,903	251,502	572,038	3,052,269	
223 Oil, not elsewhere specified.....	280	91,475,009	11,855,613	1,084,998	1,108,648	2,945,722	6,141,145	
224 Oilcloth and linoleum, floor.....	21	49,803,088	8,297,546	476,774	440,097	850,580	6,518,089	
225 Oilcloth, enameled.....	11	10,782,957	1,604,754	114,202	115,275	174,400	1,200,877	
226 Oleomargarine, and other butter substitutes.....	42	24,971,947	5,187,084	431,181	356,870	1,195,505	3,184,118	
227 Optical goods.....	506	37,739,004	10,985,866	1,541,088	1,482,783	2,573,788	14,388,207	
228 Ordnance and accessories.....	28	85,399,103	19,650,035	818,012	1,540,007	1,748,774	15,550,642	
229 Paints.....	601	177,314,815	37,820,075	4,461,208	3,528,025	10,282,471	19,550,371	
230 Paper and wood pulp.....	729	105,794,583	165,043,388	10,109,187	8,826,650	11,210,007	135,000,642	
231 Paper goods, not elsewhere specified.....	308	84,442,580	19,408,581	2,502,672	1,208,147	2,015,888	12,666,924	
232 Paper patterns.....	10	1,084,325	534,203	55,440	40,004	63,620	374,479	
233 Patent medicines and compounds.....	2,467	143,498,611	88,485,025	7,751,980	8,802,715	13,181,511	13,748,813	
234 Paving materials.....	880	67,421,242	20,833,502	1,288,360	1,232,720	1,143,259	17,160,164	
235 Peanuts, grading, roasting, cleaning, and shelling.....	78	10,393,512	2,028,688	299,144	104,242	200,500	1,328,712	
236 Pencils, lead.....	12	29,641,044	6,988,477	345,438	233,360	1,105,620	5,208,050	
237 Pens, fountain and stylographic.....	56	9,725,362	4,712,441	383,381	222,094	1,120,303	2,980,663	
238 Pens, gold.....	15	397,954	573,838	35,410	12,221	9,084	517,123	
239 Pens, steel.....	4	1,311,150	811,287	43,677	23,380	64,805	679,405	
240 Perfumery and cosmetics.....	609	32,066,638	10,413,027	2,064,346	973,714	3,301,051	3,983,016	
241 Petroleum, refining.....	320	1,170,278,189	116,368,661	4,175,856	7,130,635	15,303,533	89,748,637	
242 Phonographs and graphophones.....	166	105,241,359	42,650,716	1,597,571	1,777,081	5,812,010	33,963,148	
243 Photographic apparatus.....	68	7,284,031	8,484,436	296,604	242,782	302,003	2,042,957	
244 Photographic materials.....	169	87,204,707	28,108,853	1,210,216	2,494,173	5,490,023	18,905,941	
245 Photo-engraving, not done in printing establishments.....	422	12,442,784	15,285,928	2,056,795	841,403	1,064,189	10,423,541	
246 Pickles, preserves, and sauces.....	723	88,703,665	21,712,403	2,126,681	1,730,308	4,400,887	13,346,467	
247 Pipes, tobacco.....	56	7,634,662	8,549,215	198,108	237,271	558,545	2,565,291	
248 Plated ware.....	68	84,789,823	14,349,621	610,673	714,725	2,111,132	10,913,091	
249 Plumbers' supplies.....	214	60,980,032	20,583,664	1,423,666	1,205,137	1,092,344	15,962,517	
250 Pocketbooks.....	139	5,427,990	4,187,167	398,372	167,553	550,330	3,001,003	
251 Pottery.....	340	68,757,970	35,823,710	2,095,432	1,883,665	2,074,835	29,820,278	
252 Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	196	8,875,942	2,737,651	128,394	243,735	320,479	2,045,043	
253 Printing and publishing, book and job.....	13,089	405,554,984	207,196,883	21,181,707	18,890,784	30,648,149	141,470,243	
254 Printing and publishing, music.....	160	8,006,122	8,974,228	750,155	270,719	2,017,306	926,988	
255 Printing and publishing, newspapers and periodicals.....	17,362	614,045,344	288,198,701	21,111,583	29,231,632	93,507,413	144,318,173	

CENSUS OF MANUFACTURES: 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	RENT AND TAXES.				COST OF MATERIALS USED.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
\$3,303	\$225,977	\$5,940	\$152,367	\$67,670	\$2,102,580	\$2,051,382	\$51,198	\$4,860,855	
113,608	2,053,660	886,998	800,995	305,067	49,208,560	48,590,046	618,514	83,952,609	
6,133,327	6,204,342	4,087,361	1,728,330	803,651	132,928,877	131,972,247	956,030	255,724,022	
	2,233	2,175		58	25,509	18,099	7,410	66,896	
560,338	7,398,733	1,310,506	5,063,575	1,034,592	68,509,585	66,788,752	1,810,833	135,341,437	
369,970	1,692,510	469,027	889,894	343,508	16,270,251	12,005,172	3,605,079	46,067,239	
15,553	579,828	232,424	280,488	66,916	12,498,733	12,320,827	177,906	20,830,775	
105,250	807,821	491,490	177,087	139,244	6,305,834	6,106,907	288,867	25,800,889	
1,036	3,318,546	162,606	2,700,940	405,000	25,085,015	25,346,073	630,242	53,105,895	
5,208	275,826	82,964	152,620	40,262	7,092,728	6,971,281	121,447	11,230,253	
32,027	415,070	137,046	214,985	68,040	4,444,720	4,205,490	149,239	12,506,334	
26,806	118,443	45,505	39,080	33,848	2,217,097	2,111,833	105,264	5,973,268	
27,640	3,620,088	910,874	2,127,465	581,740	54,384,650	53,322,488	1,042,108	107,088,050	
15,172	1,216,900	200,852	725,428	224,721	16,693,140	16,285,048	408,092	36,789,627	
206,210	1,781,087	96,224	1,469,239	216,224	10,227,199	9,826,308	400,801	20,304,995	
	111,523	10,326	31,696	69,501	8,048,206	8,024,737	23,460	5,114,414	
	15,520	742	3,310	11,408	575,525	560,633	14,892	983,423	
841,559	5,282,005	198,155	3,672,812	1,411,038	405,192,204	486,030,072	9,655,622	581,244,798	
2,000	148,058	25,885	95,658	27,115	8,903,417	8,808,087	95,350	5,698,403	
6,201	1,299,858	4,256	976,386	319,216	100,577,538	99,008,050	660,479	120,638,100	
25,513	2,463,008	260,514	1,760,943	427,446	110,270,560	117,000,207	1,370,879	156,470,654	
8,298	2,124,077	321	1,974,739	149,017	30,368,703	29,020,819	1,347,884	52,672,206	
7,500	237,236	8,000	176,000	52,636	11,140,723	10,871,326	269,397	15,436,875	
36,864	1,974,329	102,050	1,710,632	161,647	66,042,792	65,026,330	410,462	79,815,580	
100,955	2,966,107	656,796	1,926,620	882,781	17,785,083	17,086,120	698,954	53,717,708	
1,475	3,850,361	110,402	3,234,854	505,105	20,592,058	25,613,109	1,070,549	69,495,628	
689,986	6,331,978	693,874	4,532,977	1,105,122	165,604,110	162,037,931	3,566,185	256,714,370	
487,240	34,911,250	1,078,929	26,488,285	7,344,045	467,482,637	412,482,682	54,090,955	788,059,377	
151,824	6,385,083	539,002	5,216,830	628,351	65,295,484	64,021,089	1,274,305	107,284,759	
11,601	43,030	30,280	9,318	3,423	310,890	314,366	2,524	1,528,382	
803,210	15,574,708	1,471,482	12,785,273	1,317,063	88,810,417	87,732,309	1,087,108	212,102,255	
238,505	1,532,766	707,278	414,302	411,096	10,010,811	12,670,015	3,340,796	45,740,606	
11,343	447,085	79,537	286,730	80,818	28,474,052	28,945,026	128,126	33,354,977	
9,707	2,479,248	39,002	2,185,188	285,058	9,073,663	8,822,030	251,533	24,184,150	
13,986	1,473,472	108,185	1,222,327	142,960	5,811,419	5,524,912	280,507	15,996,808	
	18,277	16,529	1,031	717	962,410	954,027	7,483	1,801,460	
	41,833	270	36,226	5,837	398,388	381,825	16,558	1,679,541	
225,080	2,604,440	632,140	1,778,770	193,530	20,147,026	26,024,744	122,282	59,018,391	
2,352,306	78,408,547	125,906	71,092,184	6,500,454	1,247,008,355	1,194,403,246	53,505,109	1,632,532,706	
1,751,018	9,082,122	304,179	8,146,826	631,117	50,740,205	58,223,578	1,516,627	158,547,870	
150	348,359	115,250	199,570	38,530	3,584,380	3,498,084	85,440	9,384,050	
10,960	5,918,625	520,925	5,124,051	265,249	49,801,747	48,836,358	965,389	115,714,179	
317,416	930,023	637,544	230,012	54,867	5,038,382	4,750,114	282,268	29,389,388	
47,304	3,883,176	507,836	2,780,855	634,485	93,037,433	91,851,287	1,186,146	145,784,530	
57,214	314,128	68,918	198,697	46,513	3,497,414	3,385,289	112,125	11,553,777	
12,754	1,128,083	79,051	830,587	205,045	17,766,536	17,265,690	500,637	41,634,585	
101,699	2,225,609	207,884	1,582,003	375,722	27,797,007	26,340,429	1,450,578	60,055,265	
187,873	281,898	177,036	72,805	31,457	7,557,155	7,524,883	32,272	14,549,059	
117,384	2,830,987	162,132	2,220,617	457,238	20,794,076	15,400,705	5,393,371	74,910,186	
8,020	303,197	88,528	211,105	63,564	36,015,817	35,850,321	165,496	41,705,079	
32,243,303	19,853,046	11,689,552	5,772,650	2,890,844	211,087,174	206,081,695	4,985,479	597,063,228	
2,713,809	642,299	298,554	287,128	58,017	2,128,781	2,097,144	26,687	14,692,177	
50,776,049	30,201,682	10,058,270	15,545,715	4,617,697	300,386,187	293,181,862	7,203,326	924,182,878	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	PROPRIETORS AND FIRM MEMBERS.		NUMBER OF SALARIED EMPLOYEES.							
			Total,	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.		
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.	
	17	18	19	20	21	22	23	24	25	
201 Mats and matting, from cocoa fiber, grass and coir..	6	1	93	13	.....	27	.....	37	16	
202 Mattresses and spring beds, not elsewhere specified..	941	42	2,624	485	25	502	24	1,064	524	
203 Millinery and lace goods, not elsewhere specified..	3,028	384	7,737	1,018	87	977	457	2,874	2,324	
204 Millstones.....	16	.....	3	.....	.....	2	.....	1	.....
205 Mineral and soda waters.....	5,410	203	5,298	1,027	52	1,288	36	1,960	935	
206 Minerals and earths, ground or otherwise treated..	162	14	1,508	317	16	470	.....	428	277	
207 Mirrors, framed and unframed, not elsewhere specified.	143	11	549	113	6	107	5	181	137	
208 Models and patterns, not including paper patterns..	1,063	15	833	208	9	206	1	204	205	
209 Motorcycles, bicycles, and parts.....	16	.....	1,298	84	1	285	6	460	402	
210 Mucilage, paste, and other adhesives, not elsewhere specified.	88	8	475	93	11	55	1	163	152	
211 Musical instruments and materials, not specified..	220	3	621	64	3	126	2	166	260	
212 Musical instruments, organs.....	56	.....	288	54	6	60	1	84	83	
213 Musical instruments, pianos.....	30	3	2,770	362	20	413	8	1,188	700	
214 Musical instruments, piano and organ materials ..	35	3	839	140	13	197	11	230	248	
215 Needles, pins, and hooks and eyes.....	38	1	1,056	118	1	266	8	299	364	
216 Nets and seines.....	4	1	79	16	.....	26	2	16	19	
217 Oakum.....	8	.....	22	7	.....	4	.....	8	3	
218 Oil and cake, cottonseed.....	134	11	5,282	679	10	2,012	8	2,112	461	
220 Oil, essential.....	74	.....	98	15	.....	33	1	28	21	
222 Oil, linseed.....	4	.....	574	47	1	65	.....	295	166	
223 Oil, not elsewhere specified.....	85	4	2,592	380	11	412	10	1,199	630	
224 Oilecloth and linoleum, floor.....	3	.....	837	51	.....	146	.....	415	225	
225 Oilecloth, enameled.....	4	.....	185	15	.....	41	1	93	35	
226 Oleomargarine and other butter substitutes.....	1	.....	1,016	57	2	126	3	533	295	
227 Optical goods.....	485	9	3,590	289	15	562	12	1,209	1,503	
228 Ordnance and accessories.....	3	.....	2,269	90	.....	347	3	1,249	580	
229 Paints.....	216	10	8,934	709	32	1,172	28	4,735	2,258	
230 Paper and wood pulp.....	144	27	11,005	1,285	27	2,472	62	4,500	2,050	
231 Paper goods, not elsewhere specified.....	111	18	2,918	380	17	469	16	1,076	960	
232 Paper patterns.....	9	2	88	12	.....	9	9	10	48	
233 Patent medicines and compounds.....	1,473	175	12,878	1,321	144	1,403	157	5,915	3,938	
234 Paving materials.....	630	17	1,923	404	14	623	.....	605	187	
235 Peanuts, grading, roasting, cleaning, and shelling..	54	3	288	47	.....	81	7	94	59	
236 Pencils, lead.....	.....	.....	748	41	1	34	5	371	291	
237 Pens, fountain and stylographic.....	38	2	690	56	1	93	2	346	192	
238 Pens, gold.....	13	.....	27	11	.....	6	.....	6	4	
239 Pens, steel.....	1	.....	86	7	1	5	.....	41	32	
240 Perfumery and cosmetics.....	307	66	8,668	345	49	297	69	1,194	1,714	
241 Petroleum, refining.....	55	4	14,625	494	16	2,229	9	9,031	2,746	
242 Phonographs and graphophones.....	43	.....	5,062	229	5	609	16	2,269	1,934	
243 Photographic apparatus.....	29	2	501	51	2	98	5	186	159	
244 Photographic materials.....	75	1	5,113	170	8	690	17	2,237	1,991	
245 Photo-engraving, not done in printing establishments	253	11	2,165	427	27	273	4	978	450	
246 Pickles, preserves, and sauces.....	505	44	4,211	424	25	732	44	1,990	990	
247 Pipes, tobacco.....	50	4	309	24	.....	58	12	125	90	
248 Plated ware.....	23	1	1,943	92	5	278	5	783	780	
249 Plumbers' supplies.....	75	4	2,491	287	9	507	5	1,038	665	
250 Pocketbooks.....	164	4	424	59	4	59	1	180	121	
251 Pottery.....	172	11	2,575	387	13	781	25	748	621	
252 Poultry, killing and dressing, not done in slaughtering and meat packing establishments.	170	6	521	48	3	128	1	186	155	
253 Printing and publishing, book and job.....	11,682	503	36,009	4,889	301	5,274	307	12,016	12,622	
254 Printing and publishing, music.....	101	6	1,616	100	6	89	3	843	675	
255 Printing and publishing, newspapers and periodicals	18,800	970	93,679	4,883	336	10,222	869	45,102	32,287	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	NUMBER OF WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					FUEL USED.								
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.			
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).		
		26	27	28	29	30	31	32	33	34	35	36	37	38
1,073	1,201	890	384	3	14	28	6,087	.....	.....	19	19	201	
12,037	13,025	10,881	2,808	192	44	5,275	30,485	850	6,822	1,501	36,731	6,883	202	
50,850	55,786	13,733	41,146	197	710	14,400	31,073	150	670	547	5,486	61,605	203	
38	52	52	.....	.....	.....	3	780	60	.....	.....	.....	.....	204
17,440	17,481	16,411	685	380	5	16,759	109,525	990	51,440	19,700	132,467	31,815	205	
14,426	15,162	15,005	140	14	3	29,821	514,900	5,165	111,653	8,432	964,780	41,709	206	
2,590	2,921	2,624	263	33	1	2,538	13,427	62	917	45	14,619	9,002	207	
6,949	8,043	7,503	189	50	1	2,251	4,050	2,110	72	258	31,141	11,480	208	
10,886	11,616	10,357	1,121	86	52	5,365	38,280	3,008	22,013	2,380	82,475	35,167	209	
803	837	636	184	13	4	1,553	10,423	140	64	13	209	11,880	210	
4,113	4,361	3,513	774	50	24	1,312	8,810	56	52	215	1,500	33,402	211	
1,941	2,132	1,850	235	41	6	1,047	7,706	52	480	5	3,039	12,518	212	
22,057	24,065	22,131	2,162	287	85	17,571	144,707	1,074	927	15	1,450	4,607	213	
11,000	11,953	8,677	3,048	137	91	8,837	32,053	4,728	820	315	28,195	32,253	214	
9,204	9,830	4,670	4,746	119	304	4,420	21,393	16	1,093	652	1,675	25,115	215	
859	857	109	612	4	42	410	3,089	.....	.....	24	.....	.....	216
124	132	130	.....	2	.....	35	883	1,018	39	.....	.....	.....	217
26,766	37,142	36,185	778	179	.....	34,763	1,172,175	10,262	389,720	4,490	1,048,090	470,884	218
321	409	441	25	3	.....	8,943	5,384	.....	4,001	184	.....	7,298	220
2,173	2,318	2,203	55	.....	.....	31,893	73,871	85	.....	.....	757	.....	222
5,930	7,011	6,332	678	1	.....	40,578	143,153	2,633	38,428	3,068	48,398	8,741	223
5,414	6,403	6,113	325	23	2	30,141	181,620	2,721	7,440	140	.....	.....	224
1,130	1,326	1,105	115	6	10	3,342	16,558	52	8,675	.....	.....	.....	225
2,851	3,521	2,500	923	.....	8	5,821	41,172	11,080	.....	6,240	.....	1,771	226
14,723	15,222	10,140	4,570	327	176	2,082	19,024	31	5,177	028	293,400	80,961	227	
11,328	12,930	12,120	808	2	.....	36,747	66,684	3,837	58,368	968	2,974,211	4,280	228
17,485	18,716	16,931	1,724	41	20	69,766	413,300	17,047	51,312	738	122,798	84,817	229	
113,750	122,139	111,121	10,852	88	78	869,948	7,868,150	63,384	2,117,674	2,440	281,660	5,000	230	
14,135	15,488	9,492	5,594	130	272	30,826	108,076	228	2,008	400	12,282	16,835	231	
403	391	136	252	3	53	.....	.....	.....	.....	.....	.....	446	232
17,444	18,796	9,002	9,418	187	239	43,033	106,045	775	10,806	1,088	38,890	63,520	233	
16,072	18,920	18,899	6	15	.....	21,930	404,013	273	80,297	10,044	4,480	375	234
2,460	3,007	1,055	1,933	2	17	913	12,530	18	774	22	11,022	4,235	235	
5,970	6,108	2,818	3,128	60	192	15,500	9,142	511	1,736	.....	.....	5,014	236
3,207	3,587	2,207	1,320	43	17	620	2,770	.....	152	30	65	4,176	237
416	458	416	40	2	.....	33	.....	.....	1	.....	.....	717	238
807	760	183	590	5	26	4	2,141	2	.....	.....	.....	3,654	239
5,405	6,076	1,840	4,102	40	88	1,782	5,354	13	5,102	37	6,253	11,984	240	
53,880	62,660	61,402	1,128	42	.....	1,105,503	3,610,534	319,563	23,649,032	67,489	25,497,600	1,421,452	241
28,721	35,184	27,512	7,603	58	11	42,105	127,650	16	2,908	1,216	8,407	43,041	242	
2,555	3,022	2,471	515	19	17	928	3,158	16	60	24	135	815	243	
14,556	15,935	11,170	4,693	60	12	5,866	127,928	68	5	1,171	2,468	17,910	244	
6,769	7,387	6,895	378	107	7	530	1,175	8	.....	12	14,229	315,303	245
16,621	19,284	9,300	9,514	150	311	7,761	101,882	292	45,482	605	47,640	29,415	246	
2,539	2,785	2,208	556	7	14	1,650	2,416	19	2	1	.....	1,488	247
9,492	10,861	8,633	2,103	73	52	7,973	46,076	241	9,738	550	4,993	42,047	248	
13,592	16,708	15,512	1,037	147	12	7,391	146,178	32,960	52,963	1,932	186,448	18,981	249	
2,905	3,190	1,602	1,497	33	58	569	559	1	.....	.....	.....	1,355	250
27,934	30,702	22,747	7,570	247	129	24,958	610,562	1,017	40,500	1,263	6,552,764	92,624	251	
2,140	3,912	2,682	1,211	9	10	82	10,044	10	606	139	11,775	2,740	252	
123,005	134,379	97,732	83,433	2,401	813	88,453	126,443	1,421	6,000	2,619	299,815	466,922	253	
899	952	744	200	7	1	160	1,103	.....	50	.....	.....	706	254
120,381	120,219	100,559	21,129	4,244	287	121,790	193,231	4,115	63,206	24,770	743,130	977,278	255	

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establish- ments reporting horse- power.	Aggregate horsepower.	PRIMARY POWER.							
			Total horsepower.	Owned.						
				Steam engines.		Steam turbines.		Internal-combus- tion engines.		
				Number.	Horse- power.	Number.	Horse- power.	Number.	Horse- power.	
	39	40	41	42	43	44	45	46	47	
201 Mats and matting, from cocoa fiber, grass and coir.....	12	1,670	1,325	6	1,245	1	10	1	70	
202 Mattresses and spring beds, not elsewhere specified.....	907	23,469	5,229	39	3,597	2	250	60	1,001	
203 Millinery and lace goods, not elsewhere specified	2,244	12,482	3,672	45	3,248	.....	.....	21	254	
204 Millstones.....	3	132	72	1	60	.....	.....	1	12	
205 Mineral and soda waters.....	4,806	41,764	16,019	394	11,284	17	1,361	720	3,277	
206 Minerals and earths, ground, or otherwise treated.....	403	127,074	71,535	798	59,301	9	2,066	140	4,456	
207 Mirrors, framed and unframed, not elsewhere specified.....	155	4,328	2,189	28	1,815	2	200	11	173	
208 Models and patterns, not including paper patterns.....	853	13,869	5,696	8	4,748	2	155	62	773	
209 Motorcycles, bicycles, and parts.....	48	14,806	4,137	10	3,700	1	270	4	77	
210 Mucilage, paste, and other adhesives, not otherwise specified.....	90	3,242	1,639	33	1,373	.....	.....	5	108	
211 Musical instruments and materials, not specified	162	3,286	330	5	142	.....	.....	13	88	
212 Musical instruments, organs.....	62	3,251	1,548	14	1,360	.....	.....	8	188	
213 Musical instruments, pianos.....	173	28,732	20,545	122	19,015	25	807	6	623	
214 Musical instruments, piano and organ materials.....	103	15,821	10,535	55	9,675	2	55	11	409	
215 Needles, pins, and hooks and eyes.....	91	8,467	4,951	25	3,492	3	633	1	4	
216 Nets and seines.....	16	959	755	4	730	.....	.....	1	25	
217 Oakum.....	6	533	460	7	410	.....	.....	.....	.....
218 Oil and cake, cottonseed.....	708	290,036	207,725	1,081	192,336	17	3,020	120	10,837	
220 Oil, essential.....	33	1,833	1,691	37	1,512	.....	.....	13	120	
222 Oil, linseed.....	26	17,821	9,425	33	9,175	.....	.....	.....	.....
223 Oil, not elsewhere specified.....	224	30,075	22,427	286	21,749	.....	.....	38	674	
224 Oilcloth and Linoleum, floor.....	20	23,509	14,323	108	12,655	4	1,666	1	2	
225 Oilcloth, enameled.....	11	4,601	950	7	875	1	75	.....	.....
226 Oleomargarine, and other butter substitutes.....	41	9,435	5,188	42	5,151	.....	.....	1	12	
227 Optical goods.....	492	15,710	4,886	7	735	3	4,021	6	56	
228 Ordnance and accessories.....	25	40,652	8,687	28	6,689	3	1,631	5	187	
229 Paints.....	551	78,702	36,645	270	20,904	13	3,320	57	2,462	
230 Paper and wood pulp.....	722	1,851,014	1,613,037	2,918	559,208	230	139,775	37	3,191	
231 Paper goods, not elsewhere specified.....	284	35,638	20,203	74	15,803	6	1,885	17	255	
232 Paper patterns.....	6	68	.....	.....	.....	.....	.....	.....	.....
233 Patent medicines and compounds.....	980	25,677	10,984	134	10,156	2	31	65	744	
234 Paving materials.....	852	191,543	110,292	1,436	101,012	22	4,569	205	4,104	
235 Peanuts, grading, roasting, cleaning, and shelling.....	77	7,351	4,323	38	4,015	.....	.....	6	313	
236 Pencils, lead.....	12	8,099	4,663	15	4,215	1	400	2	48	
237 Pens, fountain and stylographic.....	52	1,517	821	2	315	1	320	8	86	
238 Pens, gold.....	15	160	5	.....	.....	.....	.....	1	5	
239 Pens, steel.....	4	305	297	3	287	.....	.....	1	10	
240 Perfumery and cosmetics.....	252	2,196	329	10	295	.....	.....	4	34	
241 Petroleum, refining.....	257	238,906	187,521	2,256	95,020	204	49,723	647	42,647	
242 Phonographs and graphophones.....	147	40,168	22,514	46	9,684	8	12,289	8	366	
243 Photographic apparatus.....	61	2,321	403	2	375	.....	.....	2	28	
244 Photographic materials.....	124	26,458	13,594	50	10,791	3	2,735	5	68	
245 Photo-engraving, not done in printing establishments.....	390	8,800	84	1	25	.....	.....	3	58	
246 Pickles, preserves, and sauces.....	591	22,500	13,819	210	12,549	1	30	131	1,190	
247 Pipes, tobacco.....	48	2,001	749	9	700	.....	.....	4	49	
248 Plated ware.....	64	14,252	8,730	36	5,420	2	2,598	7	200	
249 Plumbers' supplies.....	199	29,762	17,132	96	15,184	3	905	22	670	
250 Pocketbooks.....	113	431	.....	.....	.....	.....	.....	.....	.....
251 Pottery.....	296	29,090	19,728	239	18,124	3	385	49	1,113	
252 Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	87	4,016	2,058	36	1,951	.....	.....	4	107	
253 Printing and publishing, book and job.....	11,875	131,961	17,035	133	13,337	8	528	400	3,095	
254 Printing and publishing, music.....	26	634	12	.....	.....	.....	.....	2	12	
255 Printing and publishing, newspapers and periodicals.....	12,735	194,361	89,127	218	24,699	11	367	3,927	13,277	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

PRIMARY POWER.										ELECTRIC MOTORS.							
Owned.				Rented.						Total.		Run by current generated in establishment.					
Water wheels.		Water motors.		Total horsepower.	Electric motors.			Other, horsepower.	Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.	
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.											
48	49	50	51	52	53	54	55	56	57	58	59						
				345	135	345		170	700	35	355	201					
5	356	5	25	18,240	3,511	18,158	82	3,703	10,314	162	1,156	202					
8	170			8,810	7,382	8,738	72	7,744	10,107	362	1,369	203					
				60	2	60		2	60			204					
7	29	45	68	25,745	8,657	25,148	597	9,174	27,179	517	2,031	205					
				55,539	1,473	55,520	10	1,869	61,457	196	5,928	206					
52	5,712	1	1	2,139	334	2,044	95	402	2,426	68	382	207					
2	20			8,173	1,930	8,054	110	1,938	8,108	8	54	208					
2	90			10,669	903	10,283	386	1,017	11,633	54	1,350	209					
1	157	1	1	1,603	185	1,563	40	210	1,887	25	324	210					
5	100			2,956	1,030	2,889	67	1,051	2,916	21	27	211					
				1,703	455	1,697	6	586	2,106	131	409	212					
1	100			8,187	1,607	8,152	35	2,056	17,270	1,049	9,118	213					
11	831	2	5	5,286	757	5,181	105	1,404	9,390	647	4,209	214					
14	822			3,616	715	3,472	44	931	5,903	216	2,431	215					
				204	94	204		159	516	65	312	216					
2	50			73	6	73		6	73			217					
6	1,200	6	312	82,911	1,904	82,256	655	2,402	93,400	438	11,144	218					
2	50			142	18	142		65	492	47	350	219					
1	250			8,196	189	8,196		312	10,876	123	2,679	222					
1	4			7,648	600	7,640	8	786	10,892	186	3,252	223					
				9,186	773	9,186		1,670	17,719	897	8,533	224					
				3,551	438	3,301	250	498	3,501	60	200	225					
1	25			4,247	392	4,247		591	6,350	199	2,130	226					
2	54			10,844	3,728	10,783	61	3,728	10,783			227					
1	200			31,966	1,838	31,065		2,403	38,550	565	6,585	228					
18	864	2	95	37,057	2,270	36,085	372	3,552	55,853	1,282	19,188	229					
2,558	910,863			237,977	6,001	236,662	1,315	17,756	583,586	11,755	346,924	230					
12	2,260			15,335	2,069	15,166	169	4,417	25,694	1,748	10,498	231					
				168	37	68		37	68			232					
3	35	6	18	14,603	2,784	14,425	268	3,635	19,046	861	4,621	233					
5	375	4	232	81,251	1,708	81,179	72	1,868	86,730	160	5,551	234					
				3,023	262	3,023		306	8,578	44	555	235					
				3,436	407	3,436		607	6,117	200	2,681	236					
2	100			696	351	671	25	412	1,216	61	545	237					
				1155	52	140	15	52	140			238					
				8	4	8		22	95	18	87	239					
				1,867	776	1,867		783	1,886	7	19	240					
19	130	1	1	51,385	3,576	51,335		6,665	108,625	3,089	57,240	241					
2	175			17,654	2,392	17,640	5	3,641	32,193	1,249	14,544	242					
				1,918	386	1,918		460	2,192	74	274	243					
				12,864	2,285	12,864		5,082	23,236	2,777	10,372	244					
				3,716	2,899	3,716		2,913	3,729	14	13	245					
				1	50	8,681	116	8,802	16,884	1,510	8,319	246					
10	512			1,282	188	1,252		304	1,624	116	372	247					
5	373			5,532	504	5,482	40	1,218	10,868	624	5,386	248					
				12,030	1,110	12,563	67	1,846	20,128	736	7,565	249					
				481	370	434		370	431			250					
2	106			9,362	1,203	9,312	50	2,087	14,147	824	4,885	251					
				1,958	185	1,958		254	2,211	69	253	252					
4	34	22	41	114,926	66,733	114,441	485	69,665	123,837	2,932	9,396	253					
				622	272	622		272	622			254					
33	309	127	385	155,234	48,987	154,047	287	63,596	172,690	4,609	17,743	255					

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establishments.	Capital.	SALARY AND WAGE PAYMENTS.					
			Total.	Officers of corporations.	Superintendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.	
			1	2	3	4	5	6
256 Printing materials.....	82	\$7,245,110	\$1,477,895	\$292,206	\$113,757	\$272,530	\$799,402	
257 Pulp, from fiber other than wood.....	5	778,177	74,252	8,500	6,450	3,358	55,944	
258 Pulp goods.....	40	17,190,849	5,527,156	431,478	320,239	1,161,125	3,608,314	
259 Pumps, not including power pumps.....	127	26,660,646	10,020,017	738,616	847,651	2,474,629	5,968,121	
260 Pumps, steam and other power.....	112	54,839,975	18,798,865	1,223,119	1,400,649	2,411,581	13,763,526	
261 Refrigerators.....	122	23,600,628	8,380,673	678,464	432,323	1,440,535	5,809,351	
262 Regalia, and society badges and emblems.....	115	6,257,750	2,751,478	262,989	187,498	500,808	1,800,883	
263 Rice, cleaning and polishing.....	86	23,792,509	3,441,136	381,203	449,831	677,906	1,932,196	
264 Roofing materials.....	178	57,069,224	15,758,093	1,015,806	966,534	3,432,310	10,344,043	
265 Rubber tires, tubes, and rubber goods, not elsewhere specified.	437	782,637,722	231,756,285	6,860,748	9,388,997	58,099,712	156,806,828	
266 Rules, ivory and wood.....	13	414,980	185,911	16,994	8,280	18,367	142,290	
267 Saddlery and harness.....	1,823	49,368,288	15,238,751	1,344,350	954,312	2,001,023	10,849,066	
268 Safes and vaults.....	38	13,023,284	4,383,220	312,768	298,750	538,384	3,233,818	
269 Salt.....	86	47,725,231	9,909,508	753,758	590,890	1,211,438	7,353,420	
270 Sand and emery paper and cloth.....	12	9,057,698	1,585,048	181,758	149,855	412,669	840,766	
271 Sand-lime brick.....	32	2,220,769	637,627	48,044	62,951	24,778	501,854	
272 Sausage, not made in slaughtering and meat-packing establishments.....	633	13,777,265	6,142,555	467,220	381,834	684,883	4,679,118	
273 Saws.....	112	26,065,389	8,671,532	630,304	370,041	1,390,380	6,280,807	
274 Scales and balances.....	79	22,924,843	8,709,948	459,550	423,988	1,382,434	6,583,978	
275 Screws, machine.....	143	53,569,817	15,022,699	1,063,353	955,593	888,973	12,104,780	
276 Screws, wood.....	11	14,632,800	5,834,583	270,344	176,299	523,327	4,884,613	
277 Sewing-machine cases.....	5	17,331,959	5,719,148	62,900	311,802	188,326	5,161,120	
278 Sewing machines and attachments.....	40	71,363,920	22,411,429	431,554	1,004,528	1,041,969	10,333,878	
279 Shipbuilding, steel.....	162	1,268,640,254	595,634,083	6,793,890	20,365,384	80,102,233	538,372,576	
280 Shipbuilding, wooden, including boat building.....	913	120,807,566	66,927,050	2,871,958	2,602,368	2,378,661	58,074,072	
281 Shirts.....	896	102,012,047	35,654,210	2,624,277	2,022,355	5,173,723	25,883,855	
282 Show cases.....	119	5,377,884	2,658,524	269,923	130,448	262,493	1,995,660	
283 Signs and advertising novelties.....	779	29,249,133	16,346,686	1,497,216	1,151,743	3,082,511	9,715,216	
284 Silk goods.....	1,369	532,732,163	134,597,292	9,005,617	7,784,872	9,580,473	108,226,330	
285 Silversmithing and silverware.....	99	34,465,322	9,688,923	645,972	451,402	1,232,140	7,359,409	
286 Slaughtering and meat packing.....	1,304	1,176,483,643	269,174,628	6,660,691	12,421,218	40,603,456	209,489,263	
289 Smelting and refining, copper.....	34	308,680,268	31,619,716	643,855	1,901,521	3,350,069	25,723,371	
290 Smelting and refining, lead.....	25	115,676,768	11,281,401	287,909	738,877	1,075,000	9,179,615	
292 Smelting and refining, zinc.....	39	98,757,355	20,244,747	370,867	894,764	1,195,838	17,783,278	
292x Smelting and refining, metals, not elsewhere specified.....	13	20,227,544	3,915,200	236,292	403,963	311,797	2,968,148	
293 Smelting and refining, not from the ore.....	81	22,150,518	4,684,270	591,744	401,923	577,463	3,093,140	
294 Soap.....	348	212,416,866	35,399,914	2,836,827	2,948,832	8,386,692	21,228,068	
295 Soda-water apparatus.....	66	14,711,872	4,612,783	352,529	325,267	702,589	3,232,398	
296 Sporting and athletic goods.....	188	19,951,458	7,358,060	557,174	333,485	714,438	5,752,903	
297 Springs, steel, car and carriage, not made in steel works or rolling mills.	112	45,472,282	14,702,554	1,338,195	918,306	1,290,179	11,157,874	
298 Stamped and enameled ware, not elsewhere specified.....	323	132,222,094	45,044,452	3,016,193	2,862,812	4,814,136	34,851,311	
299 Stationery goods, not elsewhere specified.....	223	36,700,909	16,160,042	1,551,468	1,165,000	3,885,707	9,577,887	
300 Statuary and art goods.....	195	3,145,853	2,070,904	158,017	87,112	109,708	1,716,067	
301 Steam fittings and steam and hot-water heating apparatus	261	133,097,464	58,204,233	2,692,388	2,723,802	7,045,518	45,742,625	
302 Steam packing.....	169	36,934,402	10,366,152	1,046,420	781,159	1,435,298	7,103,275	
302x Steel barrels, drums, and tanks, portable.....	33	18,218,312	5,899,421	551,817	303,745	808,415	4,435,444	
303 Stencils and brands.....	84	1,111,338	624,159	87,213	37,232	71,008	428,708	
304 Stereotyping and electrotyping.....	171	7,860,376	7,032,451	935,595	552,032	542,279	5,002,645	
305 Stoves and hot-air furnaces.....	412	122,813,373	54,618,128	3,872,699	2,560,728	6,863,568	41,321,133	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	RENT AND TAXES.				COST OF MATERIALS USED.			Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.		
			Federal.	State.					
8	9	10	11	12	13	14	15	16	
\$3,184	\$430,608	\$127,504	\$270,600	\$20,354	\$1,019,718	\$1,558,852	\$60,866	\$4,918,793	
6,442	920	2,545	2,977	385,947	374,301	21,646	524,444	257	
968,317	15,362	882,748	70,207	11,381,972	10,742,906	630,066	23,608,403	258	
15,133	812,596	101,213	497,907	213,476	12,101,892	11,800,966	300,926	31,656,438	
24,030	2,248,132	122,216	1,815,364	310,552	23,907,880	23,115,714	792,175	53,745,502	
14,530	664,732	93,086	382,660	189,036	11,948,972	11,704,141	244,831	26,048,808	
100,893	358,034	108,086	101,450	58,498	4,287,055	4,233,780	58,295	9,395,470	
17,871	1,184,227	122,905	899,676	101,640	76,633,816	76,335,172	298,644	90,038,412	
179,446	1,704,124	84,797	1,330,459	288,863	52,587,777	49,056,070	2,631,098	85,895,359	
3,579,861	40,201,301	6,486,700	30,220,223	8,488,378	525,086,300	513,080,306	12,605,943	987,088,046	
614	9,385	5,979	1,283	2,123	133,934	124,840	9,088	480,543	
63,357	3,202,434	726,280	2,085,243	390,905	52,442,007	52,064,231	378,676	83,713,010	
48,915	1,071,394	43,944	956,718	70,732	6,008,680	6,441,005	166,685	15,293,927	
31,496	1,081,807	171,416	1,400,753	400,038	16,027,701	11,339,924	4,687,867	37,513,821	
	578,339	109,491	410,189	52,650	5,000,501	4,985,624	124,937	9,803,734	
64,978	34,979	13,444	10,555	575,402	440,763	134,639	1,863,052	271	
220,283	679,707	306,747	263,226	109,734	43,940,356	43,410,690	529,600	56,610,092	
27,959	2,347,542	54,898	2,156,122	136,522	11,792,224	11,282,010	500,214	31,460,557	
249	1,036,804	149,822	761,852	125,130	6,093,682	6,720,068	264,584	20,041,038	
73,053	3,806,970	143,402	3,212,098	450,789	14,983,808	14,340,700	348,168	40,015,460	
959,287	.....	750,679	208,608	5,551,563	5,160,250	382,313	15,459,582	276
123,515	432	23,580	99,497	8,018,270	7,907,582	110,688	14,243,408	277	
7,639	787,800	32,907	402,690	352,203	16,384,184	15,842,803	541,271	43,694,919	
8,205,806	47,499,861	2,858,731	40,380,553	4,280,577	643,752,814	629,809,073	13,943,141	1,456,489,516	
1,901,723	3,702,125	647,701	2,426,574	627,850	66,760,862	65,108,011	1,660,951	165,871,745	
10,991,200	3,828,761	1,302,744	2,260,282	265,735	127,087,745	120,431,922	655,823	205,327,133	
6,813	200,123	106,527	62,161	40,435	4,032,123	3,930,116	102,007	8,294,308	
332,883	1,252,989	585,031	511,864	208,084	16,071,924	15,716,571	355,853	43,348,093	
43,146,201	20,594,520	2,982,226	15,816,379	1,795,915	388,469,022	382,267,575	6,201,447	688,409,523	
48,806	640,281	157,722	284,009	254,550	13,060,929	12,724,302	336,627	29,126,183	
1,978,648	19,654,846	2,054,729	12,401,821	5,108,298	3,782,920,533	3,758,839,744	24,080,789	4,246,290,614	
222,170	3,411,123	12,022	1,127,818	2,271,283	584,410,173	565,167,149	19,243,024	651,101,591	
249,995	1,036,804	13,923	593,208	429,673	179,373,046	179,697,163	5,676,488	198,794,510	
1,777,587	17,100	1,353,024	407,463	70,014,728	60,568,127	9,446,601	104,122,938	292	
729,699	3,583	580,686	145,420	14,957,307	14,370,279	587,088	20,074,504	292*	
1,132	517,150	45,970	355,082	110,098	40,075,880	39,949,183	726,717	50,246,088	
639,688	6,068,675	268,543	4,577,809	1,222,323	238,618,858	234,698,114	3,820,744	316,740,115	
81,982	886,898	114,383	712,747	59,708	6,628,868	6,487,216	139,652	15,185,370	
126,632	720,909	104,030	485,521	131,358	11,069,388	11,730,776	238,612	23,839,991	
341,504	2,237,988	200,102	1,814,611	223,275	28,019,180	26,255,302	1,763,878	51,479,535	
514,847	8,129,302	553,027	6,412,603	1,163,672	65,456,652	62,535,750	2,920,902	143,653,877	
181,519	8,011,153	522,081	2,269,192	219,880	28,160,239	27,812,723	347,518	58,363,244	
46,290	160,771	114,214	24,441	22,110	1,378,540	1,328,493	50,047	5,019,521	
30,910	7,797,896	315,542	6,574,970	907,384	72,018,393	68,019,320	3,997,073	180,285,488	
24,866	1,647,071	120,494	1,318,929	207,648	22,724,561	21,331,906	1,392,565	40,524,770	
3,250	1,222,066	68,981	1,037,952	115,133	15,151,210	14,913,978	237,232	24,042,650	
6,148	76,607	57,090	13,124	6,393	514,241	500,025	14,216	1,597,785	
76,516	651,626	365,751	249,716	36,150	4,248,479	3,881,041	353,438	15,919,014	
123,191	4,392,204	344,272	3,117,872	930,060	54,803,316	52,461,756	2,341,560	145,717,963	

CENSUS OF MANUFACTURES: 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	NUMBER OF SALARIED EMPLOYEES.									
	PROPRIETORS AND FIRM MEMBERS.		Total.	Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.		
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.	
	17	18	19	20	21	22	23	24	25	
250 Printing materials.....	39	2	271	62	5	42	.....	89	73
257 Pulp, from fiber other than wood.....	6	.....	10	3	.....	3	.....	.....	4
258 Pulp goods.....	9	2	932	58	2	117	.....	417	335
259 Pumps, not including power pumps.....	76	2	2,158	136	4	343	.....	1,193	480
260 Pumps, steam and other power.....	38	3	2,562	181	5	407	.....	1,179	786
261 Refrigerators.....	69	3	1,136	141	6	215	.....	506	208
262 Regalia, and society badges and emblems.....	74	16	606	61	.....	77	8	234	226
263 Rice, cleaning and polishing.....	38	1	1,096	83	1	519	.....	438	55
264 Roofing materials.....	77	2	2,855	177	5	398	.....	1,512	759
265 Rubber tires, tubes, and rubber goods, not elsewhere specified.....	90	7	40,879	793	16	3,160	46	25,712	11,152	
266 Rules, ivory and wood.....	9	.....	32	7	.....	4	.....	11	10
267 Saddlery and harness.....	1,886	61	2,506	319	12	417	2	1,330	426	
268 Safes and vaults.....	16	.....	617	56	4	86	.....	302	162
269 Salt.....	30	10	1,147	104	5	207	1	595	235	
270 Sand and emery paper and cloth.....	3	.....	328	27	.....	44	.....	178	79
271 Sand-lime brick.....	8	.....	93	25	.....	35	1	20	12
272 Sausage, not made in slaughtering and meat-packing establishments.....	681	23	819	123	5	115	3	381	192	
273 Saws.....	78	5	1,111	92	4	125	.....	548	342
274 Scales and balances.....	36	2	1,351	82	7	178	6	652	426	
275 Screws, machine.....	70	1	1,288	101	8	355	3	350	381	
276 Screws, wood.....	2	.....	550	34	1	101	1	150	254
277 Sewing-machine cases.....	2	.....	409	6	.....	225	1	109	74
278 Sewing machines and attachments.....	16	.....	1,974	60	2	379	4	923	666
279 Shipbuilding, steel.....	20	1	21,840	439	3	5,444	9	11,610	4,385	
280 Shipbuilding, wooden, including boat building.....	784	11	3,134	422	11	1,049	2	1,146	504	
281 Shirts.....	923	26	4,722	387	14	828	238	1,995	1,260	
282 Show cases.....	111	1	324	80	1	75	.....	106	62
283 Signs and advertising novelties.....	616	8	3,776	882	20	463	26	1,780	1,115	
284 Silk goods.....	983	28	8,982	1,125	38	2,334	164	3,027	2,304	
285 Silversmithing and silverware.....	58	.....	1,088	115	6	136	9	470	352
286 Slaughtering and meat packing.....	1,085	16	35,325	1,019	29	4,591	29	23,390	6,267	
289 Smelting and refining, copper.....	.....	.....	2,309	54	4	456	3	1,518	274
290 Smelting and refining, lead.....	1	.....	915	28	1	205	.....	569	112
292 Smelting and refining, zinc.....	.....	.....	1,107	51	1	240	.....	595	220
292x Smelting and refining, metals, not elsewhere specified.....	.....	.....	318	27	.....	142	.....	119	30
293 Smelting and refining, not from the ore.....	52	1	1,573	81	3	141	.....	224	124
294 Soap.....	171	12	8,300	843	22	912	66	3,911	3,046	
295 Soda-water apparatus.....	42	1	806	67	2	127	1	362	247	
296 Sporting and athletic goods.....	135	8	935	109	14	172	19	304	327	
297 Springs, steel, car and carriage, not made in steel works or rolling mills.....	46	9	1,385	165	10	282	.....	537	371
298 Stamped and enameled ware, not elsewhere specified.....	94	7	5,104	465	16	827	15	2,253	1,528	
299 Stationery goods, not elsewhere specified.....	120	10	3,144	294	21	418	28	1,404	1,039	
300 Statuary and art goods.....	217	16	207	58	3	51	2	54	39	
301 Steam fittings and steam and hot-water heating apparatus.....	72	1	7,105	898	14	897	16	3,421	2,359	
302 Steam packing.....	68	4	1,542	177	10	253	6	640	456	
302x Steel barrels, drums, and tanks, portable.....	11	.....	634	61	5	110	2	300	156
303 Stencils and brands.....	78	6	136	33	3	24	.....	38	38
304 Stereotyping and electrotyping.....	84	1	874	180	10	170	2	337	175	
305 Stoves and hot-air furnaces.....	127	12	6,146	712	24	1,048	8	2,975	1,379	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	NUMBER OF WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					FUEL USED							
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.		
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).	
26	27	28	29	30	31	32	33	34	35	36	37	38	
723	728	683	43	2		1,722	1,916			2	1,830	9,823	256
64	70	54	16			294	3,710						257
3,041	3,076	3,079	566	11	20	1,835	198,142	160	242	376	856	621	258
5,384	6,065	5,668	183	171	43	1,453	24,580	6,036	620	148	77,424	13,056	259
10,688	10,991	10,683	260	44	4	10,551	70,101	17,823	19,440	2,814	30,238	10,138	260
5,786	6,438	6,142	260	34	2	628	37,247	67	2,117	93	6,252	3,143	261
2,223	2,368	887	1,446	12	23	268	4,113	544	96	11	3,918	776	262
2,113	3,432	3,390	39	3		703	10,855		54,720	346			263
8,871	10,137	9,709	413	9		25,400	365,026	15,384	120,337	39,448	33,102	103,728	264
119,848	138,081	121,006	16,330	454	291	84,915	1,928,116	3,651	186,639	43,146	263,148	20,612	265
168	191	133	44	13	1	13	904				80	1,776	266
10,411	11,099	10,078	960	52	9	1,613	20,821	126	200	237	16,709	6,168	267
2,949	3,379	3,311	53	15		1,459	10,924	545	6,308	452	16,886	42	268
6,495	7,023	6,514	481	17	11	81,251	957,447	6,020	126,581	17,046	18,772	26,313	269
771	896	781	96	20		9,385	9,702						270
504	601	680	2			1,200	21,073	28	1,203	67			271
3,471	3,793	3,303	478	11	1	4,469	19,682	1,661	2,535	447	19,546	46,547	272
5,510	5,871	5,398	364	89	20	816	39,531	1,253	34,635	4,788	11,378	57,915	273
5,432	6,105	5,777	286	42		1,028	16,287	4,695	1,793	602	9,807	6,009	274
10,262	11,508	9,787	1,637	78	6	1,610	36,492	136	13,105	1,354	62,055	48,098	275
4,889	5,240	3,781	1,369	63	27	9,909	10,127	113	3,294	210		3,550	276
4,171	4,790	4,293	490	7			28,057	2,074			16,040	1,969	277
15,059	16,308	13,790	2,193	340	45	73,561	34,680	10,894	16,361	614		81,603	278
344,014	369,273	308,078	972	223		37,392	785,898	96,717	980,144	95,584	472,070	222,397	279
43,432	45,903	45,803	88	12		12,842	82,815	973	52,528	5,595	1,579	5,415	280
39,603	46,698	7,711	37,797	223	967	18,343	33,049	443	2,034	845	9,760	46,635	281
1,857	2,048	1,989	55	4		106	7,501		175	9	2,473	5,228	282
10,432	11,868	7,146	4,448	122	152	2,495	34,932	395	4,300	239	16,722	18,731	283
126,782	137,716	52,404	78,160	2,368	4,784	306,165	269,717	1,002	45,195	1,311	23,191	21,533	284
6,453	8,693	5,543	995	102	53	2,364	13,477	41	26,641	5,606		35,505	285
160,098	163,582	147,127	16,244	184	27	222,891	3,802,840	32,170	1,890,794	21,725	977,259	314,059	286
17,345	16,997	16,937	60			179,026	1,088,511	397,762	2,639,631	3,490		712,817	289
6,438	6,331	6,322	9			7,276	292,806	321,442	201,881	207	10,816	10,124	290
13,798	14,147	14,131	14	2		835,129	1,123,590	238,432	6,197	449	24,342,806	847	292
2,041	2,187	2,024	163			8,201	72,074	38,429	140,617	822		1,092	292x
2,167	2,256	2,237	18	1		26,839	55,353	10,203	48,458	374	19,722	16,810	293
20,436	20,290	14,125	5,926	120	119	107,932	606,385	1,082	93,851	3,082	5,334	6,689	294
2,599	2,739	2,646	82	11		167	12,062	2,167	200	31	274	2,077	295
6,412	7,658	4,857	2,587	126	108	2,427	18,927	10	669	1,235	31,392	14,478	296
8,981	9,552	8,783	718	28	23	3,377	54,978	1,479	223,028	12,660	489,945	677,867	297
34,248	37,977	29,460	7,799	364	354	19,523	330,237	24,765	158,077	5,235	721,566	102,328	298
11,261	12,612	6,070	6,271	97	174	5,431	22,169	92	39	307	5,333	9,029	299
1,466	1,648	1,514	125	8	1	1,223	1,880	100	35	8	38,104	3,144	300
36,686	44,371	41,886	2,410	68	8	34,490	208,393	147,474	123,885	2,249	181,147	118,828	301
8,147	6,838	5,655	1,084	59	40	1,225	281,581	13,789	35,101	2,279	6,559	70,481	302
3,322	4,045	3,956	89			444	20,980	3,833	5,305	13	25,092	1,248	302
417	478	378	81	18	1	228	125	9		3	1,028	1,186	303
3,664	3,892	3,768	87	37		1,404	3,558	97	410	51	25,479	52,238	304
32,888	36,546	35,801	411	332	2	13,369	161,318	121,676	1,630	5,956	65,561	38,899	305

CENSUS OF MANUFACTURES: 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establish- ments reporting horse- power.	Aggregate horsepower.	PRIMARY POWER.							
			Owned.							
			Steam engines.		Steam turbines.		Internal-combus- tion engines.			
			Number.	Horse- power.	Number.	Horse- power.	Number.	Horse- power.	Number.	Horse- power.
	39	40	41	42	43	44	45	46	47	
256 Printing materials.....	74	1,357	206	11	213	.....	.....	4	83	
257 Pulp, from fiber other than wood.....	5	833	750	2	350	.....	.....	.....	.....
258 Pulp goods.....	38	12,273	8,767	52	6,352	1	400	.....	.....
259 Pumps, not including power pumps.....	119	10,346	3,043	26	2,025	.....	.....	21	809	
260 Pumps, steam and other power.....	106	22,155	10,813	48	6,753	5	3,300	17	670	
261 Refrigerators.....	111	18,232	8,474	44	7,653	3	356	14	465	
262 Regalia, and society badges and emblems.....	81	1,333	313	2	260	.....	.....	4	53	
263 Rice, cleaning and polishing.....	86	27,882	19,578	90	18,821	4	60	21	697	
264 Roofing materials.....	133	38,327	18,245	136	15,037	2	810	8	253	
265 Rubber tires, tubes, and rubber goods, not elsewhere specified.....	404	354,188	200,360	398	93,133	57	101,326	30	3,367	
266 Rules, ivory and wood.....	10	299	211	1	150	.....	.....	3	56	
267 Saddlery and harness.....	1,026	8,212	1,509	25	1,279	.....	.....	55	282	
268 Safes and vaults.....	33	5,842	1,390	10	1,190	1	50	5	150	
269 Salt.....	75	43,187	35,345	320	20,399	50	4,010	40	981	
270 Sand and emery paper and cloth.....	11	8,977	3,120	21	3,080	.....	.....	.....	.....
271 Sand-lime brick.....	81	4,358	3,818	32	3,770	.....	.....	8	48	
272 Sausage, not made in slaughtering and meat-packing establishments.....	586	12,718	2,918	70	2,038	2	20	35	560	
273 Saws.....	106	15,098	4,035	17	3,655	.....	.....	12	335	
274 Scales and balances.....	74	7,451	961	5	695	1	25	13	301	
275 Screws, machine.....	142	28,540	3,898	16	3,379	.....	.....	15	519	
276 Screws, wood.....	11	7,764	3,060	10	3,060	.....	.....	.....	.....
277 Sewing-machine cases.....	5	10,656	10,600	13	2,380	4	7,170	3	1,050	
278 Sewing machines and attachments.....	38	21,379	18,669	26	8,115	2	10,000	4	172	
279 Shipbuilding, steel.....	157	475,567	97,705	312	53,863	31	41,166	58	2,671	
280 Shipbuilding, wooden, including boat building.....	777	78,144	30,585	438	25,296	8	870	403	4,348	
281 Shirts.....	841	14,914	7,982	78	6,792	2	200	66	638	
282 Show cases.....	109	4,423	912	10	800	.....	.....	7	112	
283 Signs and advertising novelties.....	306	7,730	3,188	22	2,803	1	40	23	299	
284 Silk goods.....	1,332	176,826	98,514	469	75,595	35	12,626	51	1,966	
285 Silversmithing and silverware.....	93	6,940	4,082	23	3,615	2	136	5	132	
286 Slaughtering and meat packing.....	1,004	359,212	240,609	1,563	210,348	148	27,669	92	2,018	
288 Smelting and refining, copper.....	38	321,610	194,261	249	106,520	54	79,706	9	425	
290 Smelting and refining, lead.....	25	52,565	25,339	57	17,880	8	7,025	3	84	
292 Smelting and refining, zinc.....	39	73,604	60,086	163	28,802	30	28,030	46	3,264	
292x Smelting and refining, metals, not elsewhere specified.....	13	11,700	8,287	14	4,437	8	3,850	.....	.....
293 Smelting and refining, not from the ore.....	61	7,921	3,025	22	2,110	1	480	11	435	
294 Soap.....	283	88,710	25,028	229	22,352	11	2,435	12	201	
295 Soda-water apparatus.....	58	4,146	1,116	6	781	.....	.....	5	335	
296 Sporting and athletic goods.....	154	6,875	3,045	17	2,190	.....	.....	16	275	
297 Springs, steel, car and carriage, not made in steel works or rolling mills.....	111	16,585	4,711	32	3,417	.....	.....	16	1,079	
298 Stamped and enameled ware, not elsewhere specified.....	315	51,441	23,164	123	20,102	6	500	48	2,498	
299 Stationery goods, not elsewhere specified.....	180	8,842	1,813	16	1,229	2	120	9	179	
300 Statuary and art goods.....	68	684	124	1	60	.....	.....	4	64	
301 Steam fittings and steam and hot-water heating apparatus..	247	67,504	22,807	92	14,148	21	7,808	21	291	
302 Steam packing.....	159	26,768	21,009	94	13,822	6	6,815	20	372	
302x Steel barrels, drums, and tanks, portable.....	30	10,554	2,305	17	1,865	.....	.....	6	440	
303 Stencils and brands.....	64	374	23	1	18	.....	.....	2	5	
304 Stereotyping and electrotyping.....	166	9,613	468	1	35	.....	.....	3	31	
305 Stoves and hot-air furnaces.....	373	49,479	22,493	180	19,460	2	1,030	39	1,901	

CENSUS OF MANUFACTURES: 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

PRIMARY POWER.								ELECTRIC MOTORS.			
Owned.				Rented.				Total.		Run by current generated in establishment.	
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.	Number.	Horsepower.	Number.	Horsepower.
Number.	Horsepower.	Number.	Horsepower.		Number.	Horsepower.					
48	49	50	51	52	53	54	55	56	57	58	59
				1,061	320	1,055	6	320	1,073	9	18
2	400			83	6	83		6	83		256
17	2,015			3,506	263	3,506		464	6,528	201	8,022
5	209			7,303	978	7,303		1,111	8,514	133	1,211
2	90			11,342	1,067	11,282	60	1,320	14,906	202	8,624
				4,758	581	4,555	203	999	6,970	418	2,415
				1,020	364	1,008	12	418	1,202	54	194
				7,804	188	5,762	2,042	255	6,037	67	875
12	2,145			21,082	1,133	21,002	80	1,069	20,355	536	8,353
10	2,305	27	180	153,828	7,083	153,214	614	13,616	304,387	6,533	151,153
1	36	1	5	88	12	88		12	88		266
				6,613	1,890	6,606	7	1,026	6,851	35	245
				3,952	370	3,952		518	4,467	139	515
7	55			7,842	381	6,706	1,186	1,128	14,771	745	8,065
1	40			857	95	857		188	1,227	43	370
				540	23	540		20	560	3	20
				10,095	1,193	10,059	42	1,217	10,221	24	168
2	45			11,063	988	11,011	52	1,045	11,051	57	640
2	40			6,490	772	6,480	10	774	6,488	2	8
				10,042	2,498	19,019	23	2,016	21,791	118	2,172
				4,704	288	4,704		310	5,383	22	679
				56	12	56		222	4,509	210	4,453
6	382			2,710	207	2,692	18	1,040	18,717	1,343	16,025
				377,862	18,206	377,802		20,016	427,054	2,320	49,792
2	47	3	24	47,550	2,628	47,119	440	2,774	48,481	146	1,362
5	302			7,012	2,530	6,958	54	8,111	9,491	572	2,533
				3,511	586	3,436	75	593	3,479	7	43
1	35	2	11	4,542	1,628	4,526	16	2,111	5,740	483	1,214
65	8,315	4	12	78,311	22,570	75,234	3,077	35,310	107,982	12,731	32,748
4	200			2,858	710	2,701	97	993	4,517	274	1,756
6	555	3	19	118,603	8,054	117,913	600	16,491	213,548	7,587	95,635
9	7,550			127,349	2,932	127,340		5,621	184,255	2,689	56,906
1	350			27,226	856	24,329	2,807	1,100	32,535	244	8,206
				13,508	630	13,508		2,171	52,996	1,532	39,488
				3,413	137	3,413		448	8,630	311	5,217
				4,806	494	4,896		505	6,847	11	1,951
1	40			8,082	1,007	8,672	10	4,177	30,649	3,080	21,977
				3,030	420	3,015	15	460	3,570	40	555
9	580			3,830	651	3,735	95	937	4,265	186	530
3	210	3	5	11,874	1,201	11,840	25	1,373	13,247	82	1,398
3	64			28,277	2,960	28,110	158	3,810	36,776	869	8,657
4	285			6,520	2,263	6,520		2,582	7,504	319	975
				560	120	558	2	160	811	31	253
1	60			45,197	4,154	45,187	10	4,953	58,232	709	18,045
				5,754	625	5,746	8	1,518	17,835	893	12,089
				8,249	692	8,240		847	8,050	155	401
				351	140	351		143	360	3	308x
8	400			0,147	3,310	9,032	115	3,310	9,032		304
3	100	1	2	26,980	2,736	26,915	71	3,074	36,320	988	9,414

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establish- ments.	Capital.	SALARY AND WAGE PAYMENTS.				
			Total.	Officers of corporations.	Superin- tendents and managers.	Clerks, stenographers, salesmen, etc.	Wage earners.
			1	2	3	4	5	6	7
306 Stoves, gas and oil.....	176	\$45,734,300	\$16,879,082	\$949,911	\$914,874	\$2,435,467	\$12,578,830
307 Structural ironwork, not made in steel works or rolling mills.....	1,146	219,470,095	83,030,414	6,306,938	4,563,377	12,239,967	59,920,132
308 Sugar, beet.....	85	224,584,670	20,386,074	763,948	1,801,088	1,862,920	15,908,118
309 Sugar, cane.....	202	55,117,127	5,674,817	444,884	728,842	491,742	4,000,369
310 Sugar, refining, not including beet sugar.....	20	193,540,825	28,152,651	1,102,506	1,297,612	3,042,060	22,710,464
311 Sulphuric, nitric, and mixed acids.....	39	51,160,004	10,096,048	395,158	852,475	931,884	7,916,531
312 Surgical appliances.....	268	33,063,371	10,184,042	844,358	644,072	2,611,469	6,084,142
313 Suspenders, garters, and elastic woven goods.....	196	39,676,879	12,881,203	1,221,424	814,889	1,554,760	9,270,180
314 Textile machinery and parts.....	432	129,797,903	44,627,409	2,021,378	2,406,217	3,071,175	36,528,726
315 Theatrical scenery.....	17	572,878	375,624	75,617	30,788	31,616	237,603
316 Tin and other foils, not elsewhere specified.....	15	11,998,486	2,388,430	242,963	197,063	158,184	1,750,320
317 Tin plate and terneplate.....	24	34,315,066	6,928,403	101,212	511,860	558,914	5,766,417
318 Tinware, not elsewhere specified.....	301	198,380,895	42,703,287	1,512,077	2,156,018	4,541,793	34,493,399
319 Tobacco, chewing and smoking, and snuff.....	365	188,444,100	19,693,227	1,312,024	1,088,603	4,517,964	12,674,736
320 Tobacco, cigars, and cigarettes.....	9,926	416,395,472	133,705,785	4,248,919	8,043,323	12,100,195	111,313,348
321 Tools, not elsewhere specified.....	1,125	134,731,947	56,444,865	4,190,772	3,238,466	5,170,558	48,836,069
322 Toys and games.....	541	27,738,500	15,409,757	1,821,755	857,587	1,383,138	11,847,277
323 Trunks and valises.....	597	34,258,034	17,735,544	1,804,089	919,119	2,548,589	12,493,787
324 Turpentine and resin.....	1,191	33,595,986	19,215,737	471,654	1,534,787	238,415	16,972,881
325 Type founding.....	23	4,428,644	944,668	14,420	33,884	28,847	887,517
326 Typewriters and supplies.....	88	47,794,300	21,079,171	970,502	1,045,130	2,054,107	17,009,432
327 Umbrellas and canes.....	198	15,397,275	4,775,490	567,053	226,654	842,121	8,139,662
328 Upholstering materials, not elsewhere specified.....	163	32,558,564	6,306,783	588,902	449,882	571,692	4,687,307
329 Varnishes.....	229	62,461,021	12,820,712	2,428,924	1,265,800	4,558,200	4,567,788
330 Vault lights and ventilators.....	41	903,670	637,541	106,234	58,434	48,676	424,107
331 Vinegar and cider.....	720	20,614,690	3,215,486	500,749	207,502	399,766	2,047,469
332 Wall paper, not made in paper mills.....	48	19,921,577	5,649,731	571,740	263,226	932,360	3,882,396
333 Wall plaster and composition flooring.....	161	25,307,049	8,289,350	638,599	568,105	1,251,020	5,833,617
334 Washing machines and clothes wringers.....	105	25,986,355	9,183,461	768,113	497,366	1,496,604	6,431,378
335 Waste.....	92	19,472,471	3,839,550	685,242	252,150	295,309	2,106,840
336 Watch and clock materials, except watch cases.....	27	1,020,628	527,821	42,840	26,225	46,436	412,820
337 Watch cases.....	33	21,790,556	5,317,462	397,882	308,806	610,047	4,000,727
338 Watches.....	18	49,000,742	18,295,926	244,916	814,583	637,531	16,598,898
340 Wheelbarrows.....	11	1,151,067	412,553	67,598	21,920	51,584	271,442
341 Whips.....	26	2,461,021	1,013,743	74,881	40,906	315,731	582,230
342 Windmills.....	31	10,004,863	2,939,681	206,674	183,942	403,764	2,145,301
343 Window and door screens and weather strips.....	214	9,749,337	2,872,636	364,800	189,309	271,759	2,046,768
344 Window shades and fixtures.....	287	18,898,914	5,443,153	356,942	413,809	1,003,116	3,669,286
345 Wire.....	86	102,016,777	34,744,073	956,434	1,507,622	2,990,350	29,289,667
346 Wirework, not elsewhere specified.....	558	65,290,309	21,584,549	2,141,819	1,395,381	2,541,377	15,505,992
348 Wood distillation.....	115	42,334,503	6,632,256	457,164	493,312	372,091	5,309,689
349 Wood preserving.....	73	28,138,079	5,635,516	406,056	376,621	510,582	4,342,277
350 Wood, turned and carved.....	722	23,642,346	11,499,295	928,143	770,714	493,196	9,307,242
351 Wooden goods, not elsewhere specified.....	245	21,110,717	6,873,356	442,977	336,027	432,677	5,661,674
352 Wool pulling.....	24	8,858,437	1,192,996	96,311	97,024	89,873	909,788
353 Wool scouring.....	33	10,049,960	3,622,627	376,848	147,833	203,493	2,898,453
354 Wool shoddy.....	78	18,990,722	3,070,392	458,777	294,158	264,288	2,653,169
355 Woolen goods.....	580	273,973,670	79,736,922	5,843,664	4,757,420	2,540,003	66,595,826
356 Worsted goods.....	292	557,721,078	119,353,515	6,959,383	5,939,466	4,941,812	101,512,855
All other industries ¹	5	131,358	98,336	.....	3,675	4,863	89,798

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

CENSUS OF MANUFACTURES: 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Contract work.	RENT AND TAXES.				COST OF MATERIALS USED.				Value of products.	
	Total.	Rent of factory.	Taxes.		Total.	All materials, including freight.	Rent of power and cost of fuel.			
			Federal.	State.						
8	9	10	11	12	13	14	15	16		
\$25,797	\$2,691,625	\$134,423	\$2,203,800	\$353,303	\$24,471,970	\$23,892,577	\$570,303	\$55,792,029	306	
1,048,785	7,482,036	750,440	5,359,062	1,373,125	168,800,715	165,023,103	3,777,522	204,982,410	307	
796,772	11,450,200	7,414	9,927,177	1,515,708	87,020,144	81,650,540	5,378,604	149,155,892	308	
27,368	1,142,247	11,408	827,786	502,903	44,143,416	42,161,236	1,082,180	57,741,320	309	
67,522	6,561,582	85,036	5,238,322	1,238,224	682,143,981	652,374,860	9,760,121	730,986,706	310	
47,887	1,071,605	47,306	685,763	338,446	15,857,301	13,735,042	2,122,319	31,470,480	311	
114,114	1,431,446	229,353	1,052,437	149,056	22,213,621	21,834,103	370,458	43,533,860	312	
469,527	2,078,326	239,860	2,178,889	250,508	36,369,218	35,886,299	482,919	60,774,652	313	
178,686	6,502,215	308,482	5,812,906	880,827	45,636,028	44,004,714	1,541,914	122,030,264	314	
10,128	22,006	15,533	3,477	3,058	504,655	500,584	4,071	1,067,033	315	
.....	786,957	126,484	583,906	76,507	18,007,900	12,836,305	171,685	17,920,834	316	
297	1,863,352	5,425	1,824,151	33,776	73,422,640	73,058,460	304,189	97,404,720	317	
169,524	7,306,004	521,012	5,001,533	884,359	165,170,736	163,671,935	1,498,801	233,984,000	318	
71,382	63,641,239	242,080	62,604,048	795,102	130,270,388	120,419,405	350,923	239,270,718	319	
922,025	189,005,297	3,843,590	183,492,087	2,169,611	353,297,300	351,827,204	1,470,182	773,682,405	320	
322,710	10,319,219	793,915	8,428,372	1,091,932	45,796,967	43,112,384	2,684,583	144,201,668	321	
233,784	1,271,089	630,058	470,085	170,028	19,841,498	19,308,200	473,298	46,656,803	322	
40,031	2,139,249	723,594	1,072,056	343,599	33,222,432	32,059,431	263,001	63,932,266	323	
425,407	854,328	34,869	473,248	346,211	13,929,888	13,054,076	274,912	53,051,294	324	
750	79,226	18,304	8,337	52,525	943,245	893,780	49,465	2,089,757	325	
.....	8,033	3,480,641	117,210	3,058,072	305,360	16,143,662	15,766,655	377,007	52,737,601	326
213,852	619,401	234,308	338,071	49,022	15,032,980	15,470,900	153,029	25,308,826	327	
9,905	1,120,210	94,053	903,015	122,242	25,448,803	24,930,500	518,297	39,889,711	328	
39,889	2,067,787	196,779	1,476,275	394,733	51,508,250	50,052,290	555,906	83,632,424	329	
6,435	37,103	28,028	3,383	4,792	810,579	798,558	12,021	2,155,864	330	
10,470	761,062	74,703	519,807	167,582	15,558,525	15,206,351	352,174	24,722,610	331	
33,493	311,100	120,600	108,424	82,085	13,152,503	12,855,155	297,348	23,047,901	332	
2,066	524,673	115,092	280,711	128,870	11,821,465	10,483,141	1,338,324	26,874,657	333	
27,617	718,327	88,790	543,331	86,197	23,388,025	23,187,861	221,084	40,771,285	334	
2,000	684,270	94,221	430,452	150,600	22,144,087	21,009,849	234,238	20,700,402	335	
.....	11,028	52,418	14,198	20,798	8,422	549,521	531,126	18,395	1,341,697	336
27,575	1,306,444	28,048	1,200,140	78,256	8,205,754	8,058,887	140,867	10,618,773	337	
226,794	2,163,616	13,884	1,818,934	330,798	6,392,502	6,100,014	283,548	32,044,200	338	
.....	71,582	12,050	49,056	10,476	971,000	954,393	16,703	1,070,538	340	
13,287	70,584	10,395	27,072	24,117	1,000,642	1,063,512	33,130	2,986,285	341	
1,312	448,941	24,080	349,964	74,897	4,060,426	4,813,861	140,565	9,932,585	342	
6,883	645,438	78,044	501,835	65,550	4,807,389	4,798,429	98,960	10,932,857	343	
10,312	1,045,132	191,852	738,416	114,864	18,240,540	17,892,052	357,498	29,190,649	344	
774,423	3,596,531	64,543	2,895,000	636,898	102,818,501	98,578,068	4,235,523	162,151,236	345	
126,213	4,583,184	419,414	3,570,281	593,489	50,754,070	49,767,178	986,892	90,549,245	346	
327,473	1,260,325	22,688	861,940	375,747	20,059,651	17,772,420	2,287,221	32,545,314	348	
93,177	744,205	25,097	518,072	201,036	23,241,858	22,468,984	782,874	33,239,313	349	
130,340	776,834	197,926	403,603	175,305	16,609,215	16,309,563	290,652	34,847,130	350	
24,211	570,522	75,887	292,453	211,182	10,173,353	9,980,611	192,742	21,703,261	351	
.....	13,036	180,604	20,941	118,318	41,345	12,809,592	12,730,810	78,782	17,361,231	352
4,603	509,497	59,839	375,887	73,771	7,228,350	6,789,007	433,343	18,679,584	353	
14,695	758,250	54,760	563,463	140,036	10,076,315	15,572,310	504,005	23,254,398	354	
1,198,862	16,791,225	484,512	14,302,513	2,004,200	217,965,333	212,189,028	5,776,305	364,896,590	355	
8,018,960	37,218,556	587,962	32,951,523	3,679,066	447,629,350	438,007,587	9,621,763	700,537,482	356	
.....	2,710	8,100	7,970	23	197	199,589	194,813	4,776	361,431	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	PROPRIETORS AND FIRM MEMBERS.		Total.	NUMBER OF SALARIED EMPLOYEES.					
				Officers of corporations.		Superintendents and managers.		Clerks, stenographers, salesmen, etc.	
	Men.	Women.		Men.	Women.	Men.	Women.	Men.	Women.
	17	18	19	20	21	22	23	24	25
306 Stoves, gas and oil.....	87	2	3,114	183	4	284	1	1,112	530
307 Structural ironwork, not made in steel works or rolling mills.....	705	16	11,522	1,193	28	1,673	13	6,699	1,916
308 Sugar, beet.....	1		2,408	112	1	557	1	1,266	471
309 Sugar, cane.....	146	19	779	159		316		281	23
310 Sugar, refining, not including beet sugar.....	4	2	2,713	47		316	2	1,814	534
311 Sulphuric, nitric, and mixed acids.....			898	40		245	9	407	198
312 Surgical appliances.....	205	14	2,344	127	18	221	34	1,083	866
313 Suspenders, garters, and elastic woven goods.....	171	8	1,430	122	8	268	44	549	439
314 Textile machinery and parts.....	327	27	3,949	370	20	828	12	1,714	1,005
315 Theatrical scenery.....	6		75	22	1	14		20	18
316 Tin and other foils, not elsewhere specified.....	3		258	31	2	60	3	72	90
317 Tin plate and terneplate.....	9		555	9		163	175	173	35
318 Tinware, not elsewhere specified.....	172	5	4,395	244	8	703	26	2,204	1,210
319 Tobacco, chewing and smoking, and snuff.....	309	16	3,819	188	7	432	5	2,510	677
320 Tobacco, cigars, and cigarettes.....	10,061	403	11,860	799	26	3,322	509	5,284	1,920
321 Tools, not elsewhere specified.....	821	35	7,701	2,455	40	1,244	7	1,949	2,006
322 Toys and games.....	435	34	1,813	315	11	409	34	427	617
323 Trunks and valises.....	574	27	2,145	343	17	366	15	937	467
324 Turpentine and rosin.....	1,433	27	1,506	149		1,197	1	214	5
325 Type founding.....	11		49	6		10	1	18	14
326 Typewriters and supplies.....	34	3	2,368	95	8	302	3	732	1,228
327 Umbrellas and canes.....	221	11	573	84	1	72	6	266	144
328 Upholstering materials, not elsewhere specified.....	119	4	687	110	2	107	1	262	145
329 Varnishes.....	69	3	3,291	343	17	362	10	1,741	818
330 Vault lights and ventilators.....	25	1	115	32	2	21	1	29	30
331 Vinegar and cider.....	715	9	628	146	12	130	3	203	125
332 Wall paper, not made in paper mills.....	3		833	118	2	102	4	390	217
333 Wall plaster and composition flooring.....	26	2	1,288	165	4	220	2	632	265
334 Washing machines and clothes wringers.....	39	1	1,550	143	5	236	3	759	413
335 Waste.....	57		434	107	6	89	2	113	117
336 Watch and clock materials, except watch cases.....	24		72	12		10	1	15	34
337 Watch cases.....	15		672	46	6	82	4	221	313
338 Watches.....	3		961	24		265	10	218	444
340 Wheelbarrows.....	6	1	74	13	1	13		32	15
341 Whips.....	24	2	169	11	1	13		103	41
342 Windmills.....	10		441	43	1	87		211	99
343 Window and door screens and weather strips.....	192	5	406	93		73	2	134	104
344 Window shades and fixtures.....	248	10	825	88	5	165	4	308	255
345 Wire.....	12	1	2,482	119	3	474	3	1,295	588
346 Wirework, not elsewhere specified.....	439	18	2,659	390	19	525	6	1,061	658
348 Wood distillation.....	25	3	680	124	4	243		204	85
349 Wood preserving.....	1		636	74	5	165	2	201	99
350 Wood, turned and carved.....	684	24	1,266	288	7	499	4	222	246
351 Wooden goods, not elsewhere specified.....	174	3	667	128	8	169	2	229	131
352 Wool pulling.....	23		111	22		33		42	14
353 Wool scouring.....	9		221	37	1	52	9	70	52
354 Wool shoddy.....	61	3	326	69	1	90	3	107	56
355 Woolen goods.....	243	15	3,805	708	21	1,434	68	894	682
356 Worsted goods.....	125	4	5,413	489	18	1,668	44	2,048	1,146
All other industries.....	5		5			2		3	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

Average number of wage earners.	NUMBER OF WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					FUEL USED.								
	Total.	16 years and over.		Under 16 years.		Coal.		Coke (short tons).	Oil (barrels).	Gasoline (barrels).	Gas.			
		Men.	Women.	Men.	Women.	Anthracite (long tons).	Bituminous (short tons).				Natural (1,000 cubic feet).	Manufactured (1,000 cubic feet).		
26	27	28	29	30	31	82	83	84	85	86	87	88		
10,565	12,704	11,620	987	90	7	1,058	60,685	7,138	7,870	48,688	81,779	34,835	306	
43,962	47,142	46,860	258	24	.....	20,990	331,698	41,174	159,015	9,565	389,352	237,422	307
11,781	26,489	25,275	1,213	1	.....	.....	1,047,643	125,262	564,050	209	57,862	.....	308
6,101	20,586	17,910	2,504	160	12	1,233	29,823	112	1,036,568	3,100	154,277	.....	309
18,202	18,383	17,063	1,313	7	.....	406,248	987,690	430	1,705,099	414	.....	.....	310
4,961	5,890	5,862	26	2	.....	52,865	259,615	6,563	179,466	250	193,795	3,158	311
6,390	6,437	3,203	3,109	26	99	823	45,764	473	2,885	11	3,194	17,688	312	
10,887	12,175	3,866	7,699	141	460	1,538	38,601	3	460	.....	4,350	11,840	313
31,823	35,598	33,097	2,029	409	63	14,015	91,551	27,645	43,140	603	1,410	50,900	314	
149	159	154	4	1	.....	20	172	.....	.....	.....	650	315	
1,908	2,097	1,774	911	7	5	8,545	4,287	12	33	37	3,738	10,178	316	
3,122	3,567	3,077	485	5	.....	122	68,728	7	3,553	20	114,151	812	317
34,386	36,221	24,846	10,163	158	54	23,981	115,198	1,342	7,488	6,384	67,020	335,082	318	
18,324	19,100	9,615	9,830	58	97	6,391	156,953	723	1,530	209	1,142	2,065	319	
138,773	160,463	65,099	93,341	472	1,551	38,325	124,335	1,042	2,608	222	75,084	38,260	320	
35,535	39,697	36,155	3,176	267	99	16,242	147,600	6,324	133,644	15,513	366,777	110,774	321	
14,201	15,744	8,647	6,356	465	276	5,700	21,902	1,297	402	226	21,725	38,053	322	
11,470	12,649	10,453	1,977	151	68	2,145	25,447	109	20	148	6,890	8,781	323	
28,067	29,601	29,103	103	398	2	515	1,415	.....	369	4,023	.....	.....	324
810	811	629	148	11	23	3,884	192	.....	50	96	1,406	1,729	325
15,669	17,736	13,510	4,026	121	70	17,343	32,203	1,286	13,990	1,436	5,056	58,576	326	
3,368	3,837	1,774	1,897	82	84	9,737	5,434	50	6,535	105	1,257	7,264	327	
4,810	5,444	4,490	872	50	32	5,923	53,532	130	2,286	668	9,000	351	328	
4,022	4,445	4,028	404	11	2	17,359	33,828	10,272	2,901	1,083	23,456	30,225	329	
316	361	361	.....	.....	61	234	22	3	.....	244	1,959	330	
1,981	2,835	2,551	270	14	.....	2,785	44,964	541	3,080	2,264	4,314	1,074	331
4,262	5,100	4,071	958	57	14	13,072	28,174	.....	10	.....	2,600	.....	332
5,123	6,017	5,941	74	2	.....	9,151	154,116	5,167	105,438	4,097	8,077	2,778	333
5,956	7,356	7,126	212	18	.....	1,110	19,496	9,775	92	1,429	7,075	20,554	334
2,086	2,857	1,920	925	5	7	3,278	13,542	162	2,666	83	.....	15,906	335
582	604	185	404	11	4	618	221	.....	870	10	.....	1,793	336
3,900	4,300	3,094	1,079	69	58	1,127	22,141	180	2,396	157	37,936	25,775	337	
15,888	16,685	8,358	8,069	165	93	5,535	34,834	.....	7,136	823	.....	37,515	338
291	337	330	6	1	.....	181	1,729	2	715	83	.....	.....	340
717	747	509	204	21	13	69	1,373	.....	.....	11	.....	900	341
1,932	2,076	2,001	10	5	.....	208	18,021	6,945	1,073	804	110	509	342
2,179	2,587	2,220	354	9	4	180	7,660	.....	241	159	5,482	2,728	343
4,411	5,207	3,731	1,415	44	17	1,944	59,798	500	749	101	1,898	5,549	344	
19,741	21,600	20,486	1,037	54	23	12,573	726,940	18,547	172,693	3,589	360,589	49,771	345	
15,224	16,397	13,287	2,747	277	86	21,158	72,873	2,390	14,522	11,117	43,138	61,073	346	
4,946	5,463	5,437	26	.....	.....	40,677	308,747	.....	58,445	10,814	1,794,858	3,444	348
3,978	4,304	4,284	18	2	.....	27	139,410	88	73,575	390	280,259	62,971	349
10,649	14,849	13,713	985	144	7	1,681	14,099	182	1,068	556	12,706	6,608	360	
6,448	7,109	5,814	1,203	85	7	1,019	16,082	208	697	274	1,594	1,678	361	
705	831	827	4	.....	.....	664	17,268	1,352	3,316	50	4,217	.....	362
2,177	2,554	2,369	185	.....	.....	576	55,920	45	7,745	8	.....	.....	353
2,566	2,709	2,220	438	5	37	6,813	45,660	535	217	8	4,513	.....	354
62,057	72,062	47,736	23,274	560	492	53,192	646,140	3,010	20,838	22,135	41,593	5,419	355	
108,830	122,587	57,921	57,911	2,825	3,930	161,207	895,399	541	807,665	710	833	4,249	356	
99	102	87	15	.....	.....	2	900	.....	.....	.....	550	.....	

CENSUS OF MANUFACTURES : 1919.

TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

INDUSTRY.	Number of establishments reporting horse-power.	Aggregate horsepower.	PRIMARY POWER.							
			Owned.				Contracted or supplied by others.			
			Total horsepower.	Steam engines.	Steam turbines.	Internal-combustion engines.	Total horsepower.	Steam engines.	Steam turbines.	Internal-combustion engines.
	39	40	41	42	43	44	45	46	47	
306 Stoves, gas and oil.....	147	11,295	4,703	25	4,160	1	150	23	1,391	
307 Structural ironwork, not made in steel works or rolling mills.....	1,078	165,347	50,768	276	37,705	6	1,995	236	10,768	
308 Sugar, beet.....	85	127,394	117,763	624	103,697	35	13,772	10	259	
309 Sugar, cane.....	186	101,861	101,859	1,090	97,943	13	880	172	3,028	
310 Sugar, refining, not including beet sugar.....	19	52,541	52,181	265	32,278	31	10,903	.....	.....
311 Sulphuric, nitric, and mixed acids.....	37	30,037	14,452	107	8,737	20	3,935	15	1,755	
312 Surgical appliances.....	182	12,387	8,296	23	5,085	4	2,625	8	151	
313 Suspenders, garters, and elastic woven goods.....	179	9,028	3,709	25	2,859	2	160	3	55	
314 Textile machinery and parts.....	417	41,997	23,704	134	17,755	5	2,492	50	802	
315 Theatrical scenery.....	12	104	.....	.....	.....	.....	.....	.....	.....
316 Tin and other foils, not elsewhere specified.....	15	6,991	1,915	8	1,835	.....	.....	3	80	
317 Tin plate and terneplate.....	23	18,607	17,437	25	12,216	5	5,213	1	8	
318 Tinware, not elsewhere specified.....	236	30,499	12,540	105	11,275	2	275	30	978	
319 Tobacco, chewing and smoking, and snuff.....	247	18,893	15,851	152	14,980	2	46	8	43	
320 Tobacco, cigars, and cigarettes.....	1,052	24,504	13,009	86	10,901	8	2,286	24	302	
321 Tools, not elsewhere specified.....	1,072	68,381	25,510	105	13,264	9	3,580	148	5,367	
322 Toys and games.....	452	14,449	6,903	42	4,680	2	840	45	691	
323 Trunks and valises.....	488	7,703	4,614	41	4,335	2	120	10	159	
324 Turpentine and rosin.....	504	2,303	2,257	243	1,206	10	47	269	884	
325 Type founding.....	20	850	668	4	648	.....	.....	2	20	
326 Typewriters and supplies.....	83	13,066	9,429	34	6,222	6	3,166	3	41	
327 Umbrellas and canes.....	176	3,383	2,517	13	2,314	2	150	9	68	
328 Upholstering materials, not elsewhere specified.....	160	19,820	11,228	105	9,400	.....	.....	12	100	
329 Varnishes.....	191	11,497	4,914	69	4,748	.....	.....	10	111	
330 Vault lights and ventilators.....	29	279	18	.....	.....	.....	.....	2	18	
331 Vinegar and cider.....	673	17,943	13,006	271	7,783	5	80	295	2,806	
332 Wall paper, not made in paper mills.....	48	8,158	5,159	45	4,862	2	205	2	32	
333 Wall plaster and composition flooring.....	137	32,856	18,993	85	12,307	1	150	23	1,352	
334 Washing machines and clothes wringers.....	99	8,838	3,259	18	2,929	.....	.....	15	248	
335 Waste.....	88	11,391	4,305	22	2,165	3	1,206	15	439	
336 Watch and clock materials, except watch cases.....	24	252	156	1	100	.....	.....	2	50	
337 Watch cases.....	33	4,275	3,204	11	2,040	.....	.....	6	1,004	
338 Watches.....	16	7,202	6,475	22	5,900	2	140	3	435	
340 Wheelbarrows.....	11	765	490	10	490	.....	.....	.....	.....
341 Whips.....	22	853	255	2	175	.....	.....	2	45	
342 Windmills.....	30	4,761	4,223	21	2,860	.....	.....	10	203	
343 Window and doors screens and weather strips.....	187	7,630	5,104	21	4,043	2	409	30	337	
344 Window shades and fixtures.....	197	8,948	6,429	19	2,490	3	3,525	6	114	
345 Wire.....	66	119,451	64,271	101	36,021	28	25,645	8	1,066	
346 Wirework, not elsewhere specified.....	433	29,074	12,331	62	10,370	1	200	77	1,200	
348 Wood distillation.....	93	15,938	13,655	198	10,254	11	2,482	35	810	
349 Wood preserving.....	68	16,269	15,322	211	15,080	3	219	8	43	
350 Wood, turned and carved.....	653	39,958	32,299	384	26,940	3	100	91	2,515	
351 Wooden goods, not elsewhere specified.....	228	25,906	20,919	123	17,123	5	2,273	49	620	
352 Wool pulling.....	23	2,182	1,590	19	1,320	.....	.....	1	150	
353 Wool scouring.....	32	9,790	6,740	26	5,705	2	160	.....	.....
354 Woolshoddy.....	77	16,694	9,569	44	6,414	1	130	2	76	
355 Woolen goods.....	552	172,947	133,781	436	74,876	15	10,623	39	1,577	
356 Worsted goods.....	283	295,538	256,159	433	128,393	73	103,074	6	216	
All other industries.....	2	154	154	1	150	1	4	

CENSUS OF MANUFACTURES : 1919.

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TABLE 18.—SUMMARY, BY INDUSTRIES, FOR THE UNITED STATES—Continued.

PRIMARY POWER.								ELECTRIC MOTORS.				
Owned.				Rented.				Total.		Run by current generated in establishment.		
Water wheels.		Water motors.		Total horsepower.	Electric motors.		Other, horsepower.	Number.	Horsepower.	Number.	Horsepower.	
Number.	Horsepower.	Number.	Horse-power.		Number.	Horsepower.						
48	49	50	51	52	53	54	55	56	57	58	59	
1	2			6,592	941	6,587	5	1,276	8,941	335	2,354	306
2	205	1	5	114,579	9,600	114,411	108	14,218	166,460	4,618	52,049	307
1	35			9,631	457	9,631		2,406	44,871	1,949	35,240	308
1	8			2			2	108	2,288	108	2,288	309
				360	3	360		3,923	54,068	3,920	54,308	310
1	25			16,185	795	16,185		1,509	28,091	714	11,906	311
4	435			4,091	702	4,086	5	1,313	8,099	611	4,913	312
9	635			5,310	1,487	5,219	100	2,025	6,600	538	1,381	313
41	2,595			18,293	1,874	18,040	253	2,630	27,338	756	9,298	314
				104	42	104		42	104			315
				5,076	266	5,076		355	7,013	89	1,937	316
				1,280	145	1,280		581	8,943	436	7,683	317
2	12			17,950	3,002	17,694	265	5,390	26,770	2,388	9,076	318
9	279	3	3	3,542	449	3,542		1,184	10,249	715	6,707	319
		2	120	10,895	2,933	10,888	7	4,060	17,628	1,127	6,740	320
54	3,297	1	2	42,871	4,584	42,220	651	5,164	50,494	590	8,274	321
23	678	4	14	7,546	1,695	7,520	26	1,869	8,908	174	1,388	322
				3,080	804	3,082	7	1,141	5,123	337	2,041	323
10	10	6	20	46	5	19	27	5	1,145	512	968	324
				182	85	177	5	597				325
				3,637	546	3,625	12	1,152	10,004	606	6,379	326
				866	491	840	26	519	1,215	28	375	327
25	1,728			8,598	607	8,394	204	695	8,798	28	404	328
		6	60	6,583	808	6,583		1,138	8,388	240	1,805	329
				261	54	251	10	54	251			330
81	2,307	5	30	4,937	650	4,937		763	6,464	107	1,527	331
				2,999	333	2,984	35	507	4,687	174	1,728	332
2	184			18,363	800	18,363		1,024	23,856	224	5,493	333
3	81	1	1	5,577	625	5,557	20	701	6,161	78	604	334
6	435			7,086	410	6,990	87	431	7,904	21	905	335
1	6			96	37	96		37	96			336
1	250			981	169	981		509	3,085	340	2,104	337
				727	174	727		985	4,192	811	3,465	338
				275	26	275		99	410	73	136	340
2	35			598	80	598		81	599	1	1	341
7	410	1	750	638	80	403	75	225	2,089	145	1,626	342
3	215	1	100	2,426	430	2,411	15	598	4,051	166	1,640	343
4	300			2,519	692	2,517	2	1,073	7,785	381	5,268	344
10	639			55,180	2,148	55,030	180	3,329	86,046	1,181	31,616	345
5	495			16,743	2,364	16,705	38	3,581	22,917	1,217	6,212	346
10	109			2,283	147	1,533	750	291	4,811	144	3,278	348
				947	58	782	165	189	3,220	131	2,438	349
85	2,744			7,659	949	7,423	236	1,384	10,146	435	2,723	350
24	851	3	43	4,987	568	4,955	32	938	8,324	370	3,369	351
2	120			572	50	572		61	732	11	160	352
8	875			3,050	301	2,970	80	345	3,544	44	574	353
46	2,949			7,125	326	6,998	127	392	9,199	66	2,201	354
466	46,704	1	1	39,166	3,308	38,410	756	5,634	64,201	2,326	25,791	355
149	29,476			39,374	4,024	37,889	1,505	12,299	166,919	8,275	129,050	356