GENERAL SUMMARY

INTRODUCTION

The Census of Manufactures dates back to 1810, when, on the recommendation of the Secretary of the Treasury, Congress amended the census act to authorize a canvass of manufactures and to provide funds for it. The United States became thereby the first Nation to establish a census of industry. (See "Legal provision for biennial census," p. 1.) The census of 1810, taken by United States marshals without the use of formal schedules, covered imperfectly the industrial activities of the country at that time. The chief value of the statistics lies in the analysis of them by Tench Coxe, who was appointed by the Secretary of the Treasury to tabulate and interpret the returns.

The annual report of the Treasury Department for 1855 gives manufactures statistics or estimates for the four decennial census years from 1810 to 1840. According to this report, the value of products for 1810, based upon the incomplete census returns, Coxe's estimates, and Treasury revisions, was $145,000,000.

Although the census of 1820 was so imperfectly taken that Congress refused to authorize the publication of the figures, the Treasury Department, in the document referred to above, reported $53,000,000 as the value of products for that year, unquestionably a gross understatement of the actual value of industrial production.

The Census of Manufactures was omitted entirely in 1830, but on the basis of returns made from 10 States in compliance with a congressional resolution of 1832, the Treasury estimated the value of products for 1830 at $113,000,000.

The report of the census of 1840, the most accurate and comprehensive canvass of industry up to that time, gave $483,000,000 as the value of manufactured products. Although in prior years there had been a beginning of production by the factory method, particularly of textiles and iron, it was not until about this time that the factory method began to be extended rapidly to other products which entered into competition in the market with handmade goods.

Until about the middle of the nineteenth century, however, the bulk of general manufacturing was done in the neighborhood shop and in the household rather than in the factory. The census for 1849 is, therefore, the starting point for properly comparable statistics of manufactures, although not until the census for 1899 was there any satisfactory line of demarcation between the shop or household and the factory. Comparative statistics for the censuses for 1849 and subsequent years are given in Table 1, page 14. (See also "Comparableness with preceding years—Years covered," p. 2.)

The impetus given by the factory system to the improvement of mechanical equipment is indicated by the increase in the number of patents issued, from an average of 350 per annum during the period 1801–1850 to a yearly average of more than 5,000 for the period 1851–1870.

Not until the decade 1859–1869 did it become apparent that the complete supply of most staple commodities for the home market was within the capacity of domestic production. Manufacturing began about this time to be carried on in larger plants, and as a result the census for 1879 showed considerable increases both in wage earners and in value of output, but recorded a gain of less than 1 per cent in the number of industrial establishments.

By the close of the decade 1879–1889 the value of manufactures exceeded that of agricultural products. By this time, the full effect of machine manufacture was beginning to be felt, and capital and markets were expanding rapidly. The decade from 1889 to 1899, while showing a smaller percentage of increase in value of products than any prior decade for which comparable statistics were available, was important as marking the entrance of the United States into international trade in manufactures and the development of the corporate form of organization.

During the years between 1899 and 1919, with an upward secular tendency of commodity prices and with population increasing by 39 per cent, the value of manufactured products increased 444 per cent and the index of factory output, as measured in quantities of products rather than in dollars, rose from 100 to 214. The number of wage earners employed in manufacturing establishments almost doubled during the 20-year period. If, however, this is broken down into 5-year periods corresponding to the intervals between quinquennial censuses of manufactures, decidedly uneven rates of increases are noted. These irregularities reflect both general trends in business activity and particular cyclical conditions prevailing during the five census years covered by the returns. The increase in physical volume of output is estimated to have been 22 per cent between 1899 and 1904, 30 per cent between 1904 and 1909, 6 per cent between 1909 and 1914, and 26 per cent between 1914 and 1919. Since the last 5-year period began in a year of industrial depression, continued during the World War, and ended in a year of great industrial activity, the increase in production was not so great as might have

been expected—not so great, in fact, as during the 1904–1909 period of peace.

Manufacturing activity in 1929 reached a new high mark. The value of products manufactured increased 12.3 per cent over the value reported to the census for the previous record year, 1927, while the index of physical volume of output, based on the production of 1899 as 100, rose from 214 in 1919 and 272 in 1927 to 295 in 1929.

The horsepower capacity of prime movers (engines, turbines, and water wheels) in 1929 was only 2.3 per cent more than in 1927, and was practically the same as in 1919, but the horsepower capacity of motors driven by purchased electric energy increased 19 per cent from 1927 to 1929 and 145.3 per cent during the 10-year period.[1]

The electrification of manufacturing industries is accomplished also by the use of motors connected with generators which in turn are driven by prime movers in the same plants. The capacity of such motors increased 77.6 per cent between 1919 and 1929, and in the latter year totaled 12,376,376 horsepower.

The increasing tempo of industrial production culminating in the record activity of 1929 occurred without a corresponding gain in the number of wage earners employed. Mechanization of industry and more efficient utilization of labor led to a drop of 1.8 per cent in factory employment in 1929 as compared with the abnormal postwar year 1919, but the number employed in 1929 showed an increase of 5.9 per cent over 1927. The wage budget of 1929, however, exceeded that of 1919 by 11.1 per cent and that of 1927 by 7.1 per cent.

[1] The rapid addition to power equipment of motors on purchased energy should be regarded with caution in any comparison between census years of either manufacturing activity or extent of plant mechanization, since the installation of motors for driving machines individually or in groups results in a greater power-equipment capacity for a given amount of production than is customarily required when the machines are driven by prime movers in the plant. (See "Power equipment," p. 8.)

The increase of 16.1 per cent in the total population of the United States during the past decade (1920–1930) and the decrease of 1.8 per cent in factory wage earners employed in 1929 as compared with 1919 reflect an employment condition which can not be fully accounted for in the statistics of the census of manufactures. While certain expanding industries, notably those referred to in the following paragraph, absorbed wage earners between 1919 and 1929 at a more rapid rate than that by which the population increased, the largest increase in the number of employment opportunities occurred not in the manufactures group taken as a whole, but in the distribution, service, and construction groups of industries, not covered by the census of manufactures.

Among the outstanding wage-earner gains in manufacturing industries between 1919 and 1929 were those which occurred in the following lines of production: Electrical machinery, apparatus, and supplies (including the manufacture of radio equipment), 54.8 per cent; bakery products, 41.8 per cent; furniture, 37.9 per cent; petroleum refining, 36.9 per cent; chemicals (including the manufacture of rayon and allied products), 36.1 per cent; and motor vehicles and parts, 30.4 per cent.

Twenty-two of the 48 States showed gains in factory wage-earner employment during the decade 1919–1929, the highest rates of increase recorded being those for five Southern States: South Carolina, 36.9 per cent; Tennessee, 34.9 per cent; North Carolina, 33.1 per cent; Georgia, 27.6 per cent; and Texas, 25.1 per cent. The major part of the gains in these States is accounted for by increases in the manufacture of cotton goods, knit goods, lumber, and furniture in the Carolinas; of cotton goods, knit goods, rayon, and motor-vehicle bodies and parts in Tennessee; of cotton goods, knit goods, and turpentine and rosin in Georgia; and of petroleum, foundry and machine-shop products, bakery products, and cotton goods in Texas.

TABLE 1.—COMBINED SUMMARY FOR ALL MANUFACTURING INDUSTRIES, FOR THE UNITED STATES: 1849 TO 1929

	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture [1]
FACTORIES AND HAND AND NEIGHBORHOOD INDUSTRIES						
1849 [2]	123,025	957,059	$236,755,464	$555,123,882	$1,019,106,616	$463,982,734
1859 [2]	140,433	1,311,246	378,878,966	1,031,605,092	1,885,861,676	854,256,584
Per cent of increase, 1849 to 1859	14.1	37.0	60.0	85.8	85.1	84.1
1869 [2]	252,148	2,053,996	620,467,474	1,990,741,794	3,385,860,354	1,395,118,560
Per cent of increase, 1859 to 1869	79.6	56.6	63.8	93.0	79.5	63.3
1879 [2]	253,852	2,732,595	947,953,795	3,396,823,549	5,369,579,191	1,972,755,642
Per cent of increase, 1869 to 1879	0.7	33.0	52.8	70.6	58.6	41.4
1889 [2]	355,405	4,251,535	1,891,219,696	5,162,013,878	9,372,378,843	4,210,364,965
Per cent of increase, 1879 to 1889	40.0	55.6	99.5	52.0	74.5	113.4
1899 [2]	512,191	5,306,143	2,320,938,168	7,343,627,875	13,000,149,159	5,656,521,284
Per cent of increase, 1889 to 1899	44.1	24.8	22.7	42.3	38.7	34.3
FACTORIES, EXCLUDING HAND AND NEIGHBORHOOD INDUSTRIES						
1899 [2]	207,514	4,712,763	2,008,361,119	6,575,851,491	11,406,926,701	4,831,075,210
1904 [2]	216,180	5,468,383	2,610,444,953	8,500,207,810	14,793,902,563	6,293,694,753
Per cent of increase, 1899 to 1904	4.2	16.0	30.0	29.3	29.7	30.3
1909 [2]	268,491	6,615,046	3,427,037,884	12,142,790,878	20,672,051,870	8,529,260,992
Per cent of increase, 1904 to 1909	24.2	21.0	31.3	42.9	39.7	35.5
Per cent of increase, 1899 to 1909	29.4	40.4	70.6	84.7	81.2	76.5
1914 [2]	272,518	7,023,685	4,067,718,740	14,358,935,014	24,216,514,573	9,857,579,559
Per cent of increase, 1909 to 1914	1.5	6.2	18.7	18.3	17.1	15.6
Per cent of increase, 1904 to 1914	26.1	28.4	55.8	68.9	63.7	56.6
1914 [3]	177,110	6,896,190	[3] 4,067,718,740	14,278,333,194	23,987,860,617	9,709,527,423
1919 [3]	214,383	9,000,059	[3] 10,461,786,869	37,232,702,390	62,041,795,316	24,809,092,926
Per cent of increase, 1914 to 1919	21.0	30.5	157.2	160.8	158.6	155.5
1921 [3]	196,267	6,946,570	8,202,324,339	25,321,055,346	43,653,282,833	18,332,227,487
Per cent of decrease (—), 1919 to 1921	—8.5	—22.8	—21.6	—32.0	—29.6	—26.1
1923 [3]	196,309	8,778,156	11,009,297,726	34,705,697,749	60,555,998,200	25,850,300,451
Per cent of increase, 1921 to 1923	(4)	26.4	34.2	37.1	38.7	41.0
1925 [3]	187,390	8,384,261	10,729,968,927	35,935,647,704	62,713,713,730	26,778,066,026
Per cent of increase or decrease (—), 1923 to 1925	—4.5	—4.5	—2.5	3.5	3.6	3.6
1927 [3]	191,866	8,349,755	10,848,802,532	35,133,136,889	62,718,347,289	27,585,210,400
Per cent of increase or decrease (—), 1925 to 1927	2.4	—0.4	1.1	—2.2	(4)	3.0
1929 [3]	210,959	8,838,743	11,620,973,254	38,549,579,732	70,434,863,443	31,885,283,711
Per cent of increase, 1927 to 1929	10.0	5.0	7.1	(5)	12.3	(6)

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.
[2] For all establishments having products valued at $500 or more. See GENERAL EXPLANATIONS—Establishments Covered—Size.
[3] For all establishments having products valued at $5,000 or more. See GENERAL EXPLANATIONS—Establishments Covered—Size.
[4] Less than one-tenth of 1 per cent.
[5] The cost-of-materials items for 1927 and earlier years, which include data on the cost of mill or shop supplies, are not strictly comparable with that for 1929, which does not include such data, and therefore no per cent of increase is shown. See GENERAL EXPLANATIONS—Comparableness with Preceding Years—Mill or Shop Supplies.
[6] Because of a change in the cost-of-materials item (see footnote 5), the figure for 1927 is not comparable with that for 1929, and therefore no per cent of increase is given.

TABLE 2.—INDEXES AND RATIOS FOR POPULATION, WAGE EARNERS, PRODUCTION, AND POWER: 1899 TO 1929

[For explanation of methods used in computing the indexes in this table, see "Production as measured by physical volume," p. 8]

Census year	INDEXES					RATIOS	
	Population	Wage earners	Production (quantity)	Production per wage earner	Horsepower [1]	Horsepower per 100 wage earners [1]	Wage earners per 1,000 population
1899	100	100	100	100	100	211	63
1904	110	114	122	107	133	248	65
1909	121	137	159	116	186	287	71
1914	131	146	169	116	224	323	70
1919	140	191	214	112	294	326	86
1921	145	147	170	116	(2)	(2)	64
1923	149	186	261	140	332	377	70
1925	154	178	[3] 269	[3] 151	359	427	73
1927	158	177	272	154	390	465	71
1929	162	188	295	157	431	486	73

[1] Covers rated capacity of prime movers and of motors driven by purchased electric energy. For explanation of the inflation of data for capacity, see GENERAL EXPLANATIONS—Power Equipment.
[2] No data.
[3] Revised.

TABLE 3.—COMBINED GENERAL STATISTICS FOR ALL MANUFACTURING INDUSTRIES: 1899 TO 1929

No data for establishments reporting products valued at $500 or more but less than $5,000 are included in this table for the census years from 1921 to 1929, inclusive. For the years from 1904 to 1919, inclusive, data for such establishments have been deducted from the following items: Number of establishments; wage earners; cost of materials, containers for products, fuel, and purchased electric energy; value of products; value added by manufacture. It is impossible, however, to assemble separate figures relating to establishments having products valued at less than $5,000, for the remaining items, covering the years 1904 to 1919, or for any items for 1899. Each of the items for 1899, therefore, refers to all establishments reporting products valued at $500 or more. This difference in the value-of-products limit, however, has little effect on the comparableness of the several items for different census years, with the exception of that for number of establishments. (See GENERAL EXPLANATIONS—Establishments Covered—Size.) The figures for the automobile-repairing industry have been deducted from the statistics for 1919 and 1914, the only census years for which this industry was canvassed. Data for the "Coffee and spice, roasting and grinding" industry are included for all years except 1925, for which year no statistics for this industry, for the United States as a whole, were compiled; and data for the "Poultry killing, dressing, and packing, wholesale" industry are included for all years except 1927, for which year this industry was not canvassed.

YEAR OR PERIOD	Number of establishments	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES				HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		
		Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Total	Prime movers	Motors run by purchased energy
1929	210,959	10,330,728	133,210	1,358,775	8,838,743	42,931,061	20,155,307	22,775,064
1927	191,866	9,783,438	132,081	1,301,002	8,349,755	38,825,681	19,693,371	19,132,310
1925	187,300	9,773,051	133,054	1,255,736	8,384,261	35,772,628	19,903,800	15,868,828
1923	196,309	10,195,928	148,421	1,269,351	8,778,156	33,004,228	19,728,565	13,365,663
1921	196,267	8,205,821	172,871	1,146,380	6,946,570	(2)	(2)	(2)
1919	214,383	10,688,849	250,571	1,438,219	9,000,059	29,327,669	20,043,170	9,284,499
1914	177,110	8,117,895	259,172	962,533	6,896,190	22,290,899	18,406,175	3,884,724
1909	175,142	7,536,148	273,265	790,267	6,472,616	18,551,737	16,802,706	1,749,031
1904	145,033	6,107,259	225,673	519,556	5,362,030	13,296,394	12,854,805	441,589
1899	(*)	(3)	(3)	364,120	4,712,763	9,960,980	9,778,418	182,562
	PER CENT OF INCREASE OR DECREASE (—)							
1927–1929 [4]	10.0	5.6	0.4	4.4	5.9	10.6	2.3	19.0
1925–1927 [4]	2.4	0.1	—0.3	3.6	—0.4	8.5	—1.1	20.6
1923–1925 [4]	—4.5	—4.1	—10.4	—1.1	—4.5	8.1	0.9	18.7
1921–1923	(5)	(1)	—14.1	(1)	26.4			
1919–1921	—8.5	—22.7	—31.0	—20.3	—22.8			
1919–1929	—1.6	(1)	—46.8	(1)	—1.8	46.4	0.6	145.3
1909–1919	22.4	41.8	—8.3	82.0	39.0	58.1	19.3	430.8
1899–1909				117.0	37.3	86.2	71.8	858.0

YEAR OR PERIOD	SALARIES AND WAGES [6]			COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY [6, 7]			Value of products [6, 7]	Value added by manufacture [8]
	Total	Salaries [1]	Wages	Total [9]	Materials and containers [9]	Fuel and purchased energy		
1929	$15,216,037,315	$3,595,064,061	$11,620,073,254	$38,549,570,732	$36,683,414,013	$1,866,165,719	$70,434,863,443	$31,885,283,711
1927	14,078,327,150	3,229,524,618	10,848,802,532	35,133,136,889	33,235,799,366	1,897,337,523	62,718,347,289	27,585,210,400
1925	13,651,784,805	2,921,815,878	10,729,968,927	35,935,647,704	(10)	(10)	62,713,713,730	26,778,066,026
1923	13,815,703,737	2,806,406,011	11,009,297,726	34,705,697,749	(10)	(10)	60,555,998,200	25,850,300,451
1921	10,765,427,145	2,503,102,806	8,262,324,339	25,321,055,346	(10)	(10)	43,653,282,833	18,332,227,487
1919	13,342,655,244	2,880,868,375	10,461,786,869	37,232,702,390	35,594,463,485	1,638,238,905	62,041,795,316	24,809,092,926
1914	5,342,157,369	1,274,438,629	4,067,718,740	14,278,333,194	13,612,435,727	665,897,467	23,987,860,617	9,709,527,423
1909	4,365,612,851	938,574,967	3,427,037,884	12,064,573,039	11,494,505,215	570,067,824	20,449,588,023	8,385,014,984
1904	3,184,884,275	574,439,322	2,610,444,953	8,438,866,722	8,113,992,896	324,867,826	14,617,774,351	6,178,913,629
1899	2,389,132,440	380,771,321	2,008,361,119	6,575,851,491	6,368,711,944	207,139,547	11,406,926,701	4,831,075,210
	PER CENT OF INCREASE OR DECREASE (—)							
1927–1929 [4]	8.1	11.3	7.1	(9)	(9)	—1.6	12.3	(9)
1925–1927 [4]	3.1	10.5	1.1	—2.2			(5)	3.0
1923–1925 [4]	—1.2	4.1	—2.5	3.5			3.6	3.6
1921–1923	28.3	9.5	34.2	37.1			38.7	41.0
1919–1921	—19.3	—11.0	—21.6	—32.0			—29.6	—26.1
1919–1929	14.0	24.8	11.1	(9)	(9)	13.9	13.5	(9)
1909–1919	205.6	206.9	205.3	208.6	209.7	187.4	203.4	195.9
1899–1909	82.7	146.5	70.6	83.5	80.5	175.2	79.3	73.6

[1] Data for employees of central-administrative offices are included in the figures for 1921 and earlier years but not in those for 1923 and subsequent years. The numbers and salaries of such employees, as reported for 1929, 1925, and 1923, are as follows: For 1929, 208,363 employees, $600,437,331; 1925, 84,646, $225,512,798; 1923, 86,378, $207,840,109. Corresponding data for 1921 and earlier years can not be segregated. No percentages are, therefore, given for the 1921-1923 and 1919-1929. No data in regard to central-administrative-office employees were collected for 1927.

[2] Not called for on schedule.

[3] No comparable data available for proprietors and firm members.

[4] Because of the omission of data for the "Coffee and spice, roasting and grinding" industry for 1925 and of data for the "Poultry killing, dressing, and packing, wholesale" industry for 1927 (see headnote), the percentages for 1923–1925 understate slightly the true increases and overstate slightly the true decreases, and those for 1925–1927 and for 1927–1929 overstate slightly the true increases and understate slightly the true decreases.

[5] Less than one-tenth of 1 per cent.

[6] Manufacturers' profits can not be calculated from the census figures because no data are collected for certain expense items, such as interest on investment, rent, depreciation, taxes, insurance, and advertising.

[7] The aggregates for cost of materials and value of products include large but indeterminable amounts of duplication due to the use of the products of some industries as materials by others.

[8] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture. The figures for 1927 and earlier years are not strictly comparable with those for 1929 because of a change in the cost-of-materials item, and therefore no percentages of increase are shown for 1927–1929 and 1919–1929. (See footnote 9.)

[9] The cost-of-materials items for 1927 and earlier years, which include data on the cost of mill or shop supplies, are not strictly comparable with that for 1929, which does not include such data, and therefore no percentage of increase is shown. See GENERAL EXPLANATIONS—Comparableness with Preceding Years—Mill or Shop Supplies.

[10] Not reported separately.

* Not comparable with figures for later years. See headnote.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, BY GEOGRAPHIC DIVISIONS AND BY STATES: 1929, 1927, AND 1919

[Data for the "Automobile repairing" industry and data for establishments with products valued at $500 or more but less than $5,000, in all industries, are included in the geographic division and State items for 1919 but not in the United States totals. No data for either of these classes of establishments are included in any of the figures for 1927 or 1929]

Division and state	Census year	Number of establishments	Persons engaged in manufacturing industries [1]: Total [1]	Persons engaged in manufacturing industries [1]: Proprietors and firm members [1]	Persons engaged in manufacturing industries [1]: Salaried officers and employees [1]	Persons engaged in manufacturing industries [1]: Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy: Total	Cost of materials, containers for products, fuel, and purchased electric energy: Materials and containers	Cost of materials, containers for products, fuel, and purchased electric energy: Fuel and purchased energy	Value of products	Value added by manufacture [2]
United States	1929	210,959	10,330,728	133,210	1,358,775	8,838,743	42,931,061	$3,595,064,061	$11,620,973,254	$38,549,579,732	$36,683,414,013	$1,866,165,719	$70,434,863,443	$31,885,283,711
	1927	191,866	9,783,438	132,681	1,301,002	8,349,755	38,825,681	3,229,524,618	10,848,802,532	35,133,136,889	33,235,799,366	1,897,337,523	62,718,347,289	27,585,210,400
	1919	214,383	10,688,849	250,571	1,438,219	9,000,059	29,327,669	2,880,868,375	10,461,786,869	37,232,702,390	35,594,463,485	1,638,238,905	62,041,795,316	24,809,092,926
Geographic divisions:														
New England	1929	18,272	1,256,504	10,636	147,354	1,098,514	4,686,322	386,368,899	1,346,391,525	3,158,416,191	3,014,417,376	143,998,815	6,398,214,685	3,239,798,494
	1927	17,745				1,098,748	4,566,155		1,328,650,205	3,048,863,047	2,898,257,067	150,605,980	6,028,474,916	2,979,611,869
	1919	25,528	1,535,055	21,470	162,196	1,351,389	3,779,818	334,295,008	1,436,436,537	3,951,908,159	3,811,641,271	140,266,888	7,183,070,799	3,231,162,640
Middle Atlantic	1929	64,730	3,047,316	44,473	440,503	2,562,340	11,623,682	1,212,612,561	3,640,419,529	11,183,618,642	10,581,193,780	602,424,862	21,359,573,975	10,175,955,333
	1927	62,276				2,467,791	10,968,754		3,491,679,907	10,488,831,747	9,876,334,130	612,497,617	19,533,075,079	9,044,243,332
	1919	88,360	3,450,593	86,266	491,674	2,872,653	8,512,612	1,019,385,385	3,464,931,287	11,424,095,826	10,843,787,208	580,308,618	19,854,772,760	8,430,676,934
East North Central	1929	46,396	2,974,216	24,860	407,180	2,542,176	12,602,451	1,102,468,292	3,738,804,099	11,689,798,724	11,040,248,599	649,550,125	21,663,289,041	9,973,490,317
	1927	43,671				2,309,860	11,056,846		3,340,800,715	10,525,393,203	9,888,100,045	637,293,158	18,988,400,328	8,463,007,125
	1919	61,332	2,884,836	49,586	438,632	2,396,618	7,702,551	870,019,894	2,992,930,744	10,621,687,089	10,113,945,205	507,741,884	17,737,479,599	7,115,792,510
West North Central	1929	17,792	577,214	10,054	93,045	474,115	2,210,192	215,510,466	589,162,333	3,507,392,311	3,413,044,209	94,348,102	5,377,382,984	1,869,990,673
	1927	16,192				448,192	2,033,074		550,698,481	3,170,989,447	3,074,167,429	96,822,018	4,733,111,997	1,562,122,550
	1919	29,166	639,323	26,859	112,829	499,635	1,592,809	199,496,362	546,172,557	3,778,125,226	3,689,936,604	88,188,622	5,187,064,766	1,408,939,540
South Atlantic	1929	20,860	1,014,505	14,510	87,748	912,247	4,318,015	209,768,172	825,902,832	2,811,055,098	2,670,585,550	140,469,548	5,269,276,425	2,458,221,327
	1927	17,029				879,060	3,805,038		794,264,870	2,437,870,882	2,346,656,241	141,214,641	4,631,952,156	2,144,081,274
	1919	29,976	931,595	29,883	84,500	817,212	2,791,088	169,602,742	778,026,847	2,596,264,687	2,489,150,307	107,114,380	4,455,151,691	1,858,887,004
East South Central	1929	9,860	423,880	6,975	39,035	377,870	1,999,354	91,787,353	348,733,174	1,090,015,001	1,014,461,541	75,553,460	2,014,443,158	924,428,157
	1927	7,637				359,542	1,787,386		331,279,629	1,025,122,182	952,675,099	72,447,083	1,808,818,353	783,696,171
	1919	14,655	382,595	15,620	37,749	329,226	1,414,190	71,439,834	298,710,318	977,824,517	897,695,744	80,128,773	1,642,391,461	664,566,944
West South Central	1929	10,576	347,435	6,356	43,336	297,743	1,749,555	100,267,324	316,474,819	1,851,629,694	1,798,150,397	53,479,297	2,802,091,813	950,462,119
	1927	8,208				267,142	1,419,558		281,155,572	1,644,155,128	1,565,407,956	78,747,172	2,399,410,457	755,255,329
	1919	13,909	339,950	13,437	41,269	285,244	1,179,896	75,740,469	293,021,663	1,547,993,571	1,500,847,009	47,146,562	2,277,861,293	729,867,722
Mountain	1929	4,319	121,185	2,407	16,286	102,492	938,689	36,915,676	144,485,836	869,855,516	827,859,292	41,996,224	1,239,910,858	370,055,342
	1927	3,919				94,957	829,256		130,303,790	659,600,439	615,783,939	43,816,500	981,090,829	321,490,390
	1919	7,612	133,447	6,829	17,402	109,216	685,192	32,598,594	141,900,942	610,239,118	569,007,154	41,231,964	922,676,092	312,436,974
Pacific	1929	18,154	568,473	12,939	84,288	471,246	2,802,301	239,365,318	670,599,107	2,387,798,555	2,323,453,269	64,345,286	4,310,680,504	1,922,881,949
	1927	15,189				424,463	2,359,614		599,969,363	2,082,310,814	2,018,417,460	63,893,354	3,614,013,174	1,531,702,360
	1919	19,567	515,342	19,187	60,976	435,179	1,752,036	119,793,206	581,269,395	1,868,242,090	1,814,383,225	53,858,865	3,157,610,312	1,289,368,222
New England:														
Maine	1929	1,568	77,690	891	6,640	70,159	679,153	16,100,485	74,199,961	217,366,820	204,622,589	12,744,231	391,751,334	174,384,514
	1927	1,426				68,142	628,941		74,212,035	208,865,679	196,073,350	12,792,329	372,093,474	163,227,795
	1919	2,995	99,312	2,745	7,916	88,651	545,613	17,502,853	94,225,346	254,568,523	241,084,861	13,483,662	456,821,783	202,253,260
New Hampshire	1929	1,075	71,941	708	5,722	65,511	402,147	14,732,103	70,513,919	185,402,323	176,903,427	8,498,896	332,534,753	147,132,430
	1927	1,028				65,482	376,373		72,803,397	182,106,373	173,239,125	8,867,248	327,528,366	145,421,993
	1919	1,499	90,332	1,426	5,832	83,074	348,892	13,212,402	79,326,341	239,527,617	231,599,446	7,928,171	407,204,934	167,677,317
Vermont	1929	927	31,189	649	3,119	27,421	163,940	8,136,403	33,809,987	66,262,873	62,871,755	3,391,118	143,522,547	77,259,674
	1927	880				26,241	172,762		32,305,433	69,957,432	66,491,640	3,465,792	134,029,978	64,072,546
	1919	1,790	38,845	1,804	3,550	33,491	184,327	7,345,179	34,083,935	95,172,581	91,624,436	3,548,145	168,108,072	72,935,491
Massachusetts	1929	9,872	645,031	5,867	81,670	557,494	2,068,521	215,218,070	694,805,312	1,681,432,788	1,608,241,295	73,191,493	3,392,162,237	1,710,729,449
	1927	10,037				578,068	2,130,503		705,929,549	1,678,812,411	1,598,573,556	80,238,855	3,317,851,888	1,639,039,477
	1919	11,906	812,521	9,451	89,234	713,836	1,716,982	183,435,405	766,623,337	2,260,713,036	2,188,353,757	72,359,279	4,011,181,532	1,750,468,496
Rhode Island	1929	1,701	141,074	958	14,048	126,068	463,822	38,701,802	144,196,934	342,290,071	328,399,079	13,890,992	666,368,210	324,078,139
	1927	1,497				120,009	410,181		138,895,884	313,107,075	297,336,623	15,770,452	592,232,647	279,125,572
	1919	2,466	156,012	2,124	14,223	139,665	319,688	31,013,981	137,495,377	415,989,203	402,205,892	13,783,311	747,322,858	331,333,655
Connecticut	1929	3,129	289,579	1,563	36,155	251,861	909,239	93,480,036	328,865,412	665,661,316	633,379,231	32,282,085	1,471,875,604	806,214,288
	1927	2,877				240,806	847,395		304,503,907	596,014,077	566,542,773	29,471,304	1,284,738,563	688,724,486
	1919	4,872	338,033	3,920	41,441	292,672	664,316	81,785,188	324,682,251	685,937,199	656,772,879	29,164,320	1,392,431,620	706,494,421

MIDDLE ATLANTIC:														
New York	1929	39,395	1,359,731	28,374	225,391	1,105,966	3,986,781	644,503,633	1,650,378,858	5,004,635,985	4,810,232,972	194,403,013	9,978,556,143	4,973,920,158
	1927	36,650				1,072,284	3,671,185		1,605,378,086	4,804,172,874	4,606,940,039	197,232,835	9,400,061,376	4,595,888,502
	1919	49,330	1,524,761	49,484	247,147	1,228,130	2,926,963	513,547,903	1,458,206,804	4,943,213,919	4,780,956,952	162,256,967	8,867,004,906	3,923,790,987
New Jersey	1929	8,388	521,262	4,686	74,248	442,328	1,645,408	198,265,860	610,596,378	2,165,727,126	2,090,853,202	74,873,924	3,937,156,775	1,771,429,649
	1927	8,312				408,093	1,496,935		570,308,502	1,956,597,097	1,866,372,802	90,224,295	3,417,450,248	1,460,853,151
	1919	11,057	602,170	9,349	84,135	508,686	1,140,554	171,074,267	600,658,345	2,270,473,279	2,194,512,449	75,960,830	3,672,064,987	1,401,591,708
Pennsylvania	1929	16,947	1,166,323	11,413	140,864	1,014,046	5,991,493	369,843,068	1,379,444,293	4,013,255,531	3,680,107,606	333,147,925	7,443,861,057	3,430,605,526
	1927	17,314				987,414	5,800,634		1,315,993,319	3,728,061,776	3,403,021,289	325,040,487	6,715,563,455	2,987,501,679
	1919	27,973	1,323,662	27,433	160,392	1,135,837	4,445,095	334,763,215	1,406,066,138	4,210,408,628	3,868,317,807	342,090,821	7,315,702,867	3,105,294,239
EAST NORTH CENTRAL:														
Ohio	1929	11,855	859,289	5,904	112,242	741,143	4,340,575	302,013,905	1,102,166,499	3,138,098,834	2,919,341,176	218,757,658	6,027,903,137	2,889,804,303
	1927	10,961				669,097	3,734,761		968,181,165	2,877,126,245	2,661,984,504	215,141,741	5,230,323,268	2,353,197,023
	1919	16,125	882,918	12,823	139,362	730,733	2,885,007	273,714,359	944,651,734	2,911,947,871	2,729,033,617	182,914,254	5,100,308,728	2,188,360,857
Indiana	1929	5,091	362,453	2,565	45,190	314,698	1,858,735	115,415,151	418,771,109	1,403,431,157	1,280,124,322	123,306,835	2,539,893,849	1,136,462,692
	1927	4,726				280,717	1,602,113		375,217,514	1,227,168,557	1,100,861,504	126,307,053	2,153,479,432	926,310,875
	1919	7,916	330,145	6,768	45,797	277,580	1,094,568	85,116,446	317,042,997	1,174,950,568	1,084,756,375	90,194,193	1,898,753,387	723,802,819
Illinois	1929	15,333	836,347	8,840	135,952	691,555	2,807,001	368,721,898	1,024,870,235	3,352,054,479	3,198,957,624	153,096,855	6,282,092,240	2,930,037,761
	1927	14,711				623,468	2,456,997		914,102,612	2,921,092,107	2,766,719,071	154,373,036	5,386,003,235	2,464,911,128
	1919	18,593	804,805	15,282	136,409	653,114	1,654,947	274,616,349	801,087,359	3,488,270,446	3,362,381,054	125,889,392	5,425,244,694	1,936,974,248
Michigan	1929	6,686	602,988	3,809	69,144	530,035	2,356,746	201,283,914	840,505,363	2,589,374,167	2,480,160,584	109,213,583	4,656,718,046	2,067,343,879
	1927	5,800				488,856	2,214,747		760,602,319	2,346,678,396	2,248,213,128	98,465,268	4,244,941,132	1,898,262,736
	1919	8,305	549,069	6,762	71,065	471,242	1,193,709	149,034,998	639,708,093	1,919,243,243	1,852,906,090	66,337,153	3,466,188,483	1,546,945,240
Wisconsin	1929	7,431	313,139	3,742	44,652	264,745	1,239,394	115,033,424	352,490,893	1,206,840,087	1,161,664,893	45,175,194	2,156,681,769	949,841,682
	1927	7,473				247,722	1,048,228		322,697,105	1,153,327,898	1,110,321,838	43,006,060	1,973,653,261	820,325,363
	1919	10,393	317,899	7,951	45,999	263,949	874,320	87,537,742	290,440,561	1,127,274,961	1,084,868,069	42,406,892	1,846,984,307	719,709,346
WEST NORTH CENTRAL:														
Minnesota	1929	4,315	126,409	2,178	20,817	103,414	606,704	47,724,098	132,418,195	768,218,329	741,454,482	26,763,847	1,173,213,606	404,995,277
	1927	3,886				98,833	584,328		123,619,231	726,390,744	700,530,491	25,860,253	1,066,727,215	340,336,471
	1919	6,225	147,678	5,128	26,927	115,623	473,660	45,359,926	127,106,505	883,089,777	860,607,299	22,482,478	1,218,129,735	335,039,958
Iowa	1929	3,317	99,311	1,897	15,736	81,678	366,760	34,916,521	102,326,738	574,393,729	556,592,882	17,800,847	898,213,272	323,819,543
	1927	3,061				73,692	330,702		91,246,664	496,939,635	480,095,664	16,843,971	769,340,610	272,400,975
	1919	5,683	105,439	5,393	19,495	80,551	242,820	34,043,960	90,117,169	520,240,807	506,034,871	14,205,936	745,472,697	225,231,890
Missouri	1929	5,765	243,778	3,176	37,723	202,879	717,978	91,909,198	240,368,692	1,139,658,082	1,111,265,172	28,392,910	1,917,155,275	777,497,193
	1927	5,422				195,378	656,269		230,017,241	1,004,709,373	975,020,154	29,689,219	1,665,173,463	660,464,090
	1919	8,592	244,939	7,676	42,226	195,037	476,648	79,044,650	196,515,353	1,056,457,164	1,029,812,810	26,644,354	1,594,208,338	537,751,174
North Dakota	1929	373	5,211	194	993	4,024	19,756	2,074,697	5,687,028	39,684,462	38,573,196	1,111,266	55,321,592	15,637,130
	1927	307				3,260	16,167		4,808,122	34,271,002	33,283,479	987,523	47,003,022	12,732,020
	1919	894	6,148	774	902	4,472	17,791	1,434,037	5,401,330	44,489,499	43,477,254	1,012,245	57,373,622	12,884,123
South Dakota	1929	615	8,204	401	1,268	6,535	31,297	2,558,447	8,132,240	75,016,424	73,544,176	1,472,248	97,697,636	22,681,212
	1927	472				5,551	24,676		6,785,893	63,619,877	62,252,264	1,367,613	83,001,163	19,381,286
	1919	1,414	9,034	1,410	1,242	6,382	22,176	2,076,199	7,905,426	42,985,870	41,821,013	1,164,857	62,170,782	19,184,912
Nebraska	1929	1,491	35,682	930	6,540	28,212	169,210	14,466,307	36,881,112	364,174,710	357,509,696	6,665,014	484,168,409	119,993,699
	1927	1,277				26,110	141,506		34,296,241	326,917,490	319,990,229	6,927,261	420,296,190	93,378,700
	1919	2,884	49,076	2,916	9,639	36,521	125,769	15,741,937	46,066,755	480,774,122	473,636,425	7,137,697	596,042,498	115,268,376
Kansas	1929	1,916	58,619	1,278	9,968	47,373	298,487	21,861,198	63,348,328	546,246,575	534,104,605	12,141,970	751,613,194	205,366,619
	1927	1,767				45,368	279,426		59,925,089	518,141,326	502,995,148	15,146,178	681,570,334	163,429,008
	1919	3,474	77,009	3,562	12,398	61,049	233,945	21,795,653	73,060,019	750,087,987	734,546,932	15,541,055	913,667,094	163,579,107
SOUTH ATLANTIC:														
Delaware	1929	460	26,828	272	3,004	23,552	114,961	8,344,542	29,062,739	80,490,738	76,110,568	4,380,170	149,642,042	69,151,304
	1927	446				21,324	103,166		25,222,182	69,032,720	64,774,245	4,258,475	129,899,735	60,867,015
	1919	668	32,972	593	3,344	29,035	85,105	7,709,068	37,265,319	85,432,933	81,453,158	3,979,775	165,073,009	79,640,076
Maryland	1929	3,231	153,276	2,370	19,807	131,099	659,823	46,178,193	148,835,163	696,985,542	662,885,813	34,099,729	1,119,082,289	422,096,747
	1927	3,205				126,700	579,713		141,902,797	564,120,437	531,135,234	32,985,203	943,410,896	379,290,459
	1919	4,937	165,875	5,129	20,404	140,342	406,637	42,004,007	147,866,545	549,347,379	527,696,308	21,651,071	873,944,774	324,597,395
District of Columbia	1929	547	14,328	326	4,250	9,752	44,916	9,936,418	15,512,711	36,200,070	33,095,733	3,104,337	88,972,885	52,772,815
	1927	503				9,519	39,471		15,668,655	36,098,635	32,639,547	3,459,088	90,389,537	54,290,902
	1919	595	14,101	515	3,104	10,482	33,069	5,667,379	13,189,031	30,940,100	27,462,366	3,477,734	68,826,570	37,886,470
Virginia	1929	3,287	133 908	2,322	11,313	120,273	646,251	29,263,340	118,088,986	365,824,341	350,109,073	15,715,268	745,910,075	380,085,734
	1927	2,432				114,918	503,726		110,377,945	346,165,769	330,179,145	15,986,624	671,346,808	325,181,039
	1919	5,603	139,178	5,900	13,926	119,352	419,738	25,908,084	120,006,452	371,540,833	352,059,572	19,481,261	643,511,621	271,970,788
West Virginia	1929	1,488	94,359	794	8,239	85,326	650,199	20,996,351	115,294,705	261,397,786	232,984,404	28,413,382	513,012,300	251,614,514
	1927	1,313				77,630	546,440		103,431,224	252,884,424	225,043,623	27,840,801	455,216,551	202,332,127
	1919	2,785	93,688	2,524	8,128	83,036	328,455	17,686,073	101,840,420	270,940,596	250,192,627	20,747,969	471,970,877	201,030,281

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, BY GEOGRAPHIC DIVISIONS AND BY STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

DIVISION AND STATE	Census year	Number of establishments	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES [1]				Horsepower	Salaries [1]	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture [2]
			Total [1]	Proprietors and firm members [1]	Salaried officers and employees [1]	Wage earners (average for the year)				Total	Materials and containers	Fuel and purchased energy		
SOUTH ATLANTIC—Continued.														
North Carolina	1929	3,797	228,959	2,534	16,599	209,826	839,945	$37,942,407	$160,867,988	$618,911,690	$596,046,728	$22,864,962	$1,311,924,352	$693,012,662
	1927	2,984				204,590	810,798		158,394,434	560,819,236	538,121,136	22,698,100	1,154,646,612	593,827,376
	1919	5,999	175,423	6,076	11,688	157,659	549,808	23,774,333	126,680,099	526,906,181	512,989,300	13,916,881	943,807,949	416,901,768
South Carolina	1929	1,659	114,989	1,113	5,099	108,777	527,326	12,800,005	73,223,327	226,541,603	214,617,334	11,924,269	385,892,252	159,350,649
	1927	1,059				108,992	478,245		74,477,866	206,772,453	194,032,519	12,739,934	358,334,205	151,561,752
	1919	2,004	86,360	1,754	5,156	79,450	395,466	10,513,029	62,565,413	227,986,384	220,416,614	7,569,770	381,452,984	153,466,600
Georgia	1929	4,179	175,081	3,347	12,960	158,774	641,899	30,238,560	110,435,015	427,805,088	412,632,695	15,172,393	722,453,803	294,648,715
	1927	3,175				154,168	565,899		108,118,193	360,261,684	344,375,514	15,886,170	609,917,660	249,655,976
	1919	4,803	141,012	4,776	12,795	123,441	433,719	25,505,423	101,180,339	440,490,057	428,431,511	12,058,546	693,237,096	252,747,039
Florida	1929	2,212	72,777	1,432	6,477	64,868	192,695	14,068,356	54,582,198	96,898,240	92,103,202	4,795,038	232,386,427	135,488,187
	1927	1,912				61,219	177,580		56,671,574	91,715,524	86,355,278	5,360,246	218,790,152	127,074,628
	1919	2,582	82,986	2,616	5,955	74,415	139,091	10,835,346	67,433,229	92,680,224	88,448,851	4,231,373	213,326,811	120,646,587
EAST SOUTH CENTRAL:														
Kentucky	1929	2,246	89,958	1,375	10,758	77,825	354,740	24,979,014	88,643,659	266,558,766	253,433,621	13,125,145	502,638,722	236,079,956
	1927	1,851				74,912	318,755		83,858,607	250,632,957	238,762,287	11,870,670	447,764,961	197,132,004
	1919	3,957	83,954	4,003	10,611	69,340	246,399	19,677,651	67,033,546	235,715,626	224,485,689	11,229,937	395,660,417	159,944,791
Tennessee	1929	2,855	143,915	1,895	13,620	128,400	606,704	33,203,137	115,877,077	407,610,550	390,520,831	17,089,719	730,508,612	322,898,062
	1927	2,098				114,968	475,243		101,197,846	351,436,325	336,374,838	15,061,487	614,040,524	262,604,199
	1919	4,589	113,300	4,892	13,241	95,167	338,732	25,267,959	81,355,256	344,766,730	330,552,028	14,214,702	556,253,162	211,486,432
Alabama	1929	2,848	132,200	2,166	10,475	119,559	785,330	24,385,366	102,004,881	302,253,388	260,853,732	41,399,656	560,378,132	258,124,744
	1927	2,355				119,093	779,156		105,488,817	317,493,407	275,346,283	42,147,124	550,372,126	232,878,719
	1919	3,654	120,889	3,914	9,816	107,159	628,287	18,567,405	99,065,800	300,664,290	248,975,401	51,688,889	492,730,895	192,066,605
Mississippi	1929	1,911	57,807	1,539	4,182	52,086	252,580	9,219,836	42,207,557	113,592,297	109,653,357	3,938,940	220,917,692	107,325,395
	1927	1,333				50,569	214,232		40,734,359	105,559,493	102,191,691	3,367,802	196,640,742	91,081,249
	1919	2,455	64,452	2,811	4,081	57,560	200,772	7,926,819	51,255,716	96,677,871	93,682,626	2,995,245	197,746,987	101,069,116
WEST SOUTH CENTRAL:														
Arkansas	1929	1,731	50,118	1,371	4,542	44,205	223,034	9,942,946	39,503,121	116,648,475	112,303,093	4,345,382	210,903,228	94,254,753
	1927	1,146				40,032	183,041		35,288,168	103,815,280	100,599,401	3,215,879	182,750,871	78,935,591
	1919	3,123	58,202	3,682	4,566	49,954	212,219	9,329,043	47,186,189	102,812,977	99,881,410	2,931,567	200,312,858	97,499,881
Louisiana	1929	1,989	98,475	924	10,206	87,345	480,404	24,092,926	83,867,448	438,540,094	425,644,573	12,895,521	685,036,857	246,496,763
	1927	1,624				82,415	415,582		79,673,477	427,994,341	411,190,945	16,803,396	638,361,215	210,366,874
	1919	2,617	112,523	2,042	12,216	98,265	387,233	22,946,257	94,405,732	431,403,867	421,147,141	10,256,726	676,189,770	244,785,903
Oklahoma	1929	1,658	39,632	994	6,943	31,695	223,257	16,326,552	41,276,993	306,501,497	297,452,619	9,048,878	455,905,297	149,403,800
	1927	1,373				27,932	185,480		35,785,266	269,418,221	256,479,662	12,938,559	371,718,409	102,300,188
	1919	2,445	38,314	2,320	6,491	29,503	139,550	11,961,191	35,025,942	312,605,829	301,539,816	11,066,013	401,362,869	88,757,040
Texas	1929	5,198	159,210	3,067	21,645	134,498	822,860	49,904,900	151,827,257	989,939,628	962,750,112	27,189,516	1,450,246,431	460,306,803
	1927	4,065				116,763	635,455		130,408,661	842,927,286	797,137,948	45,789,338	1,206,579,962	363,652,676
	1919	5,724	130,911	5,393	17,996	107,522	440,894	31,503,978	116,403,800	701,170,898	678,278,642	22,892,256	999,995,796	298,824,898
MOUNTAIN:														
Montana	1929	589	17,465	330	2,266	14,869	197,781	5,254,612	24,214,895	209,845,438	202,615,534	7,229,904	271,094,446	61,249,008
	1927	565				14,242	188,390		20,915,203	151,791,508	144,794,553	6,996,955	203,503,250	51,711,742
	1919	1,290	20,692	1,200	2,332	17,160	153,489	4,741,455	24,742,562	122,151,924	117,594,952	4,556,972	166,664,518	44,512,594
Idaho	1929	562	17,358	335	1,375	15,648	105,787	3,036,272	22,451,545	51,863,505	50,225,704	1,637,801	96,352,026	44,488,521
	1927	470				13,513	89,830		18,970,643	47,927,463	46,875,197	1,052,266	86,256,399	38,328,936
	1919	922	16,268	851	1,500	13,917	73,840	2,701,547	18,548,272	43,948,505	42,345,546	1,602,959	80,510,749	36,562,244
Wyoming	1929	248	7,281	127	896	6,258	46,677	2,288,632	10,255,365	62,720,084	60,033,573	2,686,511	96,348,076	33,627,992
	1927	229				5,577	40,191		9,066,022	63,741,234	60,846,173	2,895,061	85,368,360	21,627,126
	1919	576	8,095	567	894	6,634	17,864	1,702,288	11,188,979	42,250,528	40,510,297	1,740,231	81,445,394	39,194,866
Colorado	1929	1,548	39,980	867	6,223	32,890	233,726	13,580,172	43,640,403	183,739,553	170,113,113	13,626,440	306,071,031	122,331,478
	1927	1,483				32,001	254,530		43,193,765	173,277,399	155,046,508	18,230,891	278,221,431	104,944,032
	1919	2,631	44,729	2,234	7,241	35,254	206,110	13,045,975	42,974,879	174,870,275	160,204,060	14,666,215	275,622,335	100,752,060
New Mexico	1929	250	5,234	164	594	4,476	23,147	1,266,139	5,564,991	10,419,449	9,736,401	683,048	21,697,148	11,277,699
	1927	200				4,653	21,467		5,421,441	10,055,852	9,412,924	642,928	20,182,672	10,126,820
	1919	387	6,646	336	574	5,736	17,260	1,027,341	6,658,462	7,727,483	5,974,121	1,753,362	17,856,602	10,129,119

Arizona	1929	348	12,400	191	1,659	10,550	180,637	4,268,292	15,074,528	167,713,595	159,518,783	8,194,812	200,002,217	32,288,622
	1927	300				8,967	100,641		12,132,957	77,799,198	71,889,888	5,909,310	117,624,434	39,825,236
	1919	480	10,347	416	1,403	8,528	103,958	3,111,838	12,014,769	92,645,437	84,273,872	8,371,565	120,769,112	28,123,675
Utah	1929	651	18,833	323	2,909	15,601	123,737	6,407,917	19,698,684	157,902,021	150,715,551	7,186,470	214,628,855	56,726,834
	1927	556				13,585	112,233		16,688,574	120,567,348	113,587,697	6,979,651	163,118,376	42,551,028
	1919	1,160	23,107	1,089	3,150	18,868	92,797	5,680,485	21,454,997	110,154,349	103,106,399	7,047,950	156,933,071	46,778,722
Nevada	1929	123	2,634	70	364	2,200	27,197	813,640	3,585,425	25,651,871	24,900,633	751,238	33,717,059	8,065,188
	1927	116				2,419	21,974		3,915,185	14,440,437	13,330,999	1,109,438	26,815,907	12,375,470
	1919	166	3,563	136	308	3,119	19,874	587,665	4,318,022	16,490,617	14,997,907	1,492,710	22,874,311	6,383,694
PACIFIC:														
Washington	1929	3,672	130,878	2,138	13,910	114,830	814,891	35,904,583	160,670,891	428,413,026	415,134,051	13,278,975	795,561,861	367,148,835
	1927	3,344				104,468	680,408		145,930,930	389,884,598	378,582,862	11,301,736	677,913,579	288,028,981
	1919	4,918	150,479	4,195	13,356	132,928	683,073	30,373,766	194,968,222	443,177,531	431,896,276	11,281,255	809,622,984	366,445,453
Oregon	1929	2,463	75,567	1,702	8,360	65,505	418,324	19,412,571	86,828,968	205,227,190	198,542,375	6,684,815	411,768,975	206,541,785
	1927	1,779				57,179	339,511		75,716,972	187,771,163	182,134,441	5,636,722	342,852,371	155,081,208
	1919	2,707	68,005	2,540	6,906	58,559	303,795	13,999,171	81,093,784	206,205,041	201,354,721	4,851,320	366,782,627	160,576,586
California	1929	12,019	362,028	9,099	62,018	290,911	1,569,086	184,048,164	423,099,248	1,754,158,339	1,709,776,843	44,381,496	3,103,349,668	1,349,191,329
	1927	10,066				262,816	1,339,695		378,321,461	1,504,655,053	1,457,700,157	46,954,896	2,593,247,224	1,088,592,171
	1919	11,942	296,858	12,452	40,714	243,692	765,168	75,420,269	305,207,389	1,218,858,518	1,181,132,228	37,726,290	1,981,204,701	762,346,183

[1] Data for employees of central-administrative offices are included in the totals and in the numbers of salaried employees for 1919 for the United States and for each State, but are not included for 1927 or for 1929. The total number of such employees, as reported for 1929, was 208,363, and their compensation amounted to $600,437,331. The corresponding data for 1919 can not be segregated, and no such data were collected for 1927. The numbers of proprietors and firm members and the numbers of salaried employees and the amounts of their salaries were not tabulated for States at the census for 1927.

[2] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919

[Data for establishments with products valued at $500 or more but less than $5,000 are included in the 1919 figures for individual industries but not in the United States totals. No data for such establishments are included in any of the figures for 1927 or 1929]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [3]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
United States	1929	210,959	10,330,728	133,210	1,358,775	8,838,743	42,931,061	3,595,064,061	11,620,973,254	38,549,570,732	70,434,863,443	31,885,283,711
	1927	191,866	9,783,438	132,081	1,301,002	8,349,755	38,825,081	3,229,524,618	10,848,802,532	35,133,136,889	62,718,347,289	27,585,210,400
	1919	214,383	10,688,849	250,571	1,438,219	9,000,059	26,327,669	2,886,868,375	10,461,786,869	37,232,702,390	62,041,795,316	24,809,092,926
Agricultural implements	1929	293	47,623	107	5,853	41,663	128,499	13,399,184	58,941,039	113,969,484	277,854,462	163,884,978
	1927	277	38,661	91	5,224	33,346	117,966	11,217,674	46,415,459	85,666,186	202,732,126	117,065,940
	1919	521	67,177	321	12,488	54,368	128,249	21,925,743	66,704,434	144,571,943	304,961,265	160,389,322
Aircraft and parts	1929	132	18,635	15	3,910	14,710	16,505	9,524,258	21,923,844	27,368,163	71,152,924	43,784,821
	1927	70	5,499	13	1,064	4,422	6,031	2,289,054	6,857,014	7,517,183	21,161,853	13,644,670
	1919	31	4,202	14	645	3,543	12,512	2,000,690	4,906,740	7,126,965	14,372,643	7,245,678
Alcohol, ethyl, and distilled liquors	1929	30	1,853	1	368	1,484	13,577	1,195,111	2,131,188	35,046,063	54,284,665	19,238,602
	1927	28	1,479	3	296	1,180	7,261	866,813	1,704,518	19,309,772	33,971,150	14,661,378
	1919	34	1,741	2	359	1,380	16,494	1,137,784	1,716,699	19,655,522	31,854,085	12,198,563
Aluminum manufactures	1929	150	23,788	61	2,517	21,210	107,846	5,749,124	29,692,727	94,036,463	153,457,248	59,420,785
	1927	139	16,945	54	2,093	14,798	71,907	5,117,524	20,891,843	79,838,509	123,557,112	43,718,603
	1919	83	13,257	34	1,821	11,402	30,280	3,306,674	13,327,306	49,271,861	75,277,948	26,006,087
Ammunition and related products	1929	21	7,965	3	739	7,223	17,061	1,785,523	8,272,618	19,841,665	43,808,520	23,966,855
	1927	20	8,475	-------	873	7,602	17,175	2,003,673	8,265,963	20,945,130	45,602,184	24,657,054
	1919	42	27,471	10	4,645	22,816	39,128	7,607,151	23,587,692	38,101,602	88,038,223	49,936,621
Artificial and preserved flowers and plants.	1929	191	3,779	128	435	3,216	625	1,257,510	3,217,642	5,527,451	14,425,420	8,897,969
	1927	190	5,494	186	593	4,715	541	1,459,958	5,050,438	7,888,833	19,576,337	11,687,504
	1919	224	4,876	234	504	4,138	468	851,799	3,740,911	7,004,646	16,143,165	9,138,519
Artificial leather	1929	17	3,160	-------	570	2,590	14,650	1,643,071	3,955,702	22,267,938	32,961,252	10,693,314
	1927	19	3,282	-------	552	2,730	14,467	1,525,700	4,006,613	21,827,645	34,228,101	12,400,456
	1919	17	2,351	1	339	2,011	4,952	832,335	2,163,171	18,132,204	26,281,966	8,149,762
Artists' materials	1929	68	1,510	36	307	1,167	3,307	921,156	1,428,728	4,155,317	9,469,565	5,304,248
	1927	61	1,578	37	330	1,211	3,250	706,477	1,429,983	3,771,503	8,204,521	4,433,018
	1919	58	1,205	40	239	926	3,206	578,936	895,764	2,687,226	5,507,656	2,820,430
Asbestos products, other than steam packing or pipe and boiler covering.	1929	67	9,237	9	1,136	8,092	40,458	3,119,663	10,776,712	25,408,002	56,164,036	30,756,034
	1927	62	7,103	9	757	6,337	26,525	2,081,209	8,375,502	21,517,740	44,156,388	22,638,648
	1919	46	4,195	11	530	3,654	9,657	1,599,733	3,731,974	12,947,702	23,977,557	11,029,855
Asphalted-felt-base floor covering	1929	14	2,754	1	408	2,345	11,092	1,124,057	3,501,238	14,278,805	31,888,962	17,610,157
	[4]1927	12	2,834	1	391	2,442	8,904	814,920	3,694,808	16,186,450	34,100,585	17,914,126
Awnings, tents, sails, and canvas covers.	1929	1,002	9,989	813	2,014	7,162	4,995	4,719,834	8,559,321	25,328,140	49,237,576	23,969,436
	1927	963	9,326	920	1,863	6,543	4,850	4,103,867	8,229,362	24,409,718	47,920,352	23,510,634
	1919	895	8,413	871	1,514	6,028	4,571	3,002,147	5,858,523	26,961,140	45,690,390	18,729,250
Bags, other than paper, not made in textile mills.	1929	202	13,578	103	1,647	11,828	19,159	4,734,471	9,644,876	144,275,477	170,175,893	25,900,416
	1927	181	12,803	94	1,545	11,164	15,754	4,189,781	9,548,317	136,748,400	162,949,837	26,201,431
	1919	216	12,642	166	1,720	10,756	9,076	4,093,062	7,756,582	176,017,560	214,059,474	38,041,914
Bags, paper, exclusive of those made in paper mills.	1929	95	7,861	18	873	6,970	13,416	2,347,743	6,661,235	43,238,392	64,621,192	21,382,800
	1927	88	7,323	27	833	6,463	9,336	2,112,610	6,393,675	40,734,599	57,489,652	16,755,053
	1919	75	5,087	41	878	4,168	4,429	2,175,360	3,662,830	33,350,481	47,263,990	13,913,509
Baking powders, yeast, and other leavening compounds.	1929	48	3,667	8	653	3,006	42,788	2,400,835	4,846,730	22,598,378	52,336,812	29,738,434
	1927	47	4,039	15	992	3,032	42,816	2,676,796	4,793,624	24,619,450	55,716,025	31,096,575
	1919	88	4,893	52	1,510	3,331	20,071	2,807,416	3,554,534	26,635,429	46,230,312	19,594,883
Baskets and rattan and willow ware, not including furniture.	1929	273	10,155	172	630	9,353	20,160	1,448,216	6,671,089	8,820,166	22,851,043	14,030,877
	1927	236	10,081	153	633	9,295	17,821	1,436,750	6,607,806	9,231,144	21,728,900	12,497,756
	1919	375	5,370	400	437	4,533	6,319	803,046	3,369,086	4,904,241	11,821,167	6,916,926
Belting other than leather and rubber, not made in textile mills.	1929	9	383	6	122	255	1,648	495,346	298,910	1,328,690	2,788,627	1,460,537
	[4]1927	11	504	6	155	343	1,457	531,398	410,698	1,489,841	3,211,875	1,722,034
Belting, leather	1929	207	3,511	94	815	2,602	6,826	2,358,594	3,540,721	20,679,778	35,631,682	14,951,904
	1927	173	3,022	97	761	2,164	6,728	2,018,941	2,925,416	16,185,267	27,265,752	11,080,485
	1919	172	4,019	91	1,163	2,765	7,012	2,695,779	3,260,439	28,156,711	40,480,654	12,323,943
Beverages	1929	5,154	40,606	4,534	7,791	28,281	149,166	19,581,666	38,314,414	103,026,180	270,323,803	167,297,623
	[4]1927	4,760	38,878	4,759	7,147	26,972	153,731	17,158,450	36,100,934	95,430,198	242,694,456	147,264,258
Billiard and pool tables, bowling alleys, and accessories.	1929	40	1,625	26	209	1,390	6,402	428,489	1,862,917	3,238,396	8,821,363	5,582,967
	1927	34	1,409	21	204	1,184	2,335	415,853	1,549,880	2,393,993	7,111,871	4,717,878
	1919	49	2,327	43	183	2,101	5,261	271,408	2,425,353	6,100,852	15,733,047	9,632,195
Blacking, stains, and dressings	1929	170	2,466	83	766	1,617	3,317	2,025,838	1,959,443	8,345,234	24,681,836	16,336,602
	1927	176	2,577	107	754	1,716	4,005	1,771,845	2,180,733	9,185,543	22,548,235	13,362,692
	1919	220	3,765	179	1,131	2,455	2,446	2,619,283	2,109,103	14,041,840	25,284,072	11,242,232
Bluing	1929	20	151	13	33	105	169	100,136	106,917	468,867	1,364,510	895,643
	1927	20	210	9	46	155	363	113,768	151,364	593,725	1,674,140	1,080,415
	1919	57	515	45	110	360	423	163,492	285,063	1,542,954	2,731,277	1,188,323
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills.	1929	117	18,226	17	2,034	16,175	66,343	6,949,294	22,115,532	44,211,785	102,392,099	58,180,314
	1927	115	15,572	27	1,931	13,614	57,403	5,636,016	17,324,418	38,301,814	75,876,170	37,574,356
	1919	144	20,006	39	2,000	17,967	49,959	5,306,419	20,973,834	44,277,117	89,743,882	45,466,765
Bone black, carbon black, and lampblack.	1929	77	2,140	3	222	1,915	11,268	696,444	2,583,253	9,096,098	20,169,722	11,073,624
	1927	67	1,798	2	243	1,553	8,065	508,472	2,047,044	6,571,019	14,261,775	7,690,756
	1919	35	826	30	121	675	1,857	312,386	808,332	2,848,069	6,186,204	3,338,145

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Persons engaged in the industry: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Bookbinding and blank-book making	1929	1,108	29,495	676	4,065	24,754	21,741	10,854,665	31,779,037	30,754,777	102,783,405	72,028,628
	1927	1,063	26,477	927	3,641	21,909	19,038	8,832,184	28,281,066	25,875,185	87,327,302	61,452,207
	1919	1,113	25,287	1,111	3,815	20,361	11,037	7,453,912	18,658,821	23,235,171	66,020,677	42,785,506
Boot and shoe cut stock, not made in boot and shoe factories.	1929	210	10,639	160	980	9,499	15,828	2,293,324	10,319,996	107,545,777	133,447,914	25,902,137
	1927	201	9,938	192	1,135	8,611	13,718	2,391,255	9,354,049	97,966,431	121,022,421	23,055,990
	1919	252	11,512	234	1,563	9,715	8,448	3,328,226	9,124,778	133,887,276	161,203,310	27,316,034
Boot and shoe findings, not made in boot and shoe factories.	1929	382	12,037	226	1,435	10,376	20,259	3,866,441	11,058,252	31,964,401	58,625,445	26,661,044
	1927	379	11,739	255	1,534	9,950	18,021	3,364,138	11,201,872	31,862,322	57,433,389	25,571,067
	1919	427	10,615	424	1,250	8,941	9,970	2,618,598	8,187,196	40,428,347	62,825,408	22,397,061
Boots and shoes, other than rubber	1929	1,341	225,701	466	19,595	205,640	140,329	44,284,882	222,407,732	515,055,246	965,922,694	450,867,448
	1927	1,357	224,004	568	20,326	203,110	138,706	43,343,517	225,090,242	494,553,016	944,714,463	450,161,447
	1919	1,449	237,107	883	25,175	211,049	115,886	58,124,966	210,734,610	715,269,315	1,155,041,436	439,772,121
Boots and shoes, rubber	1929	22	29,278	-------	3,619	25,659	62,663	7,745,144	29,945,265	34,396,466	102,537,625	68,141,159
	1927	22	30,267	-------	3,419	26,848	68,350	5,180,753	32,078,955	43,372,916	124,607,801	81,234,885
	1919	25	37,929	1	5,053	32,875	49,400	7,401,388	30,882,722	50,346,880	116,917,434	66,570,554
Boxes, cigar, wooden	1929	118	4,740	98	268	4,374	5,518	814,228	3,507,711	5,238,209	12,459,425	7,221,216
	1927	136	5,014	105	332	4,577	5,478	794,052	3,925,329	5,620,725	12,908,739	7,288,014
	1919	189	5,761	187	356	5,218	5,009	797,525	3,512,236	6,336,540	13,110,213	6,773,673
Boxes, paper, not elsewhere classified	1929	1,240	63,894	440	7,800	55,654	80,064	22,314,874	57,169,700	159,839,577	294,253,296	134,413,719
	1927	1,219	64,649	512	7,739	56,398	81,300	20,738,937	57,700,664	168,463,799	306,555,062	138,091,263
	1919	1,201	63,408	767	6,779	55,862	54,675	15,572,451	43,325,554	101,135,292	206,419,343	105,284,051
Boxes, wooden, except cigar boxes	1929	792	33,581	438	2,589	30,554	187,261	7,261,078	29,193,575	74,081,937	135,025,675	60,943,738
	1927	748	33,662	383	2,482	30,797	135,637	6,684,242	29,250,351	75,707,392	133,902,877	58,195,485
	1919	1,140	46,897	849	3,603	42,445	143,583	8,054,633	36,811,185	102,946,235	177,818,454	74,872,219
Bread and other bakery products	1929	20,785	244,070	21,588	21,641	200,841	355,523	49,884,765	274,561,581	737,099,500	1,526,110,811	789,011,311
	1927	18,120	211,113	19,481	19,637	171,995	284,244	46,739,672	236,225,862	693,236,163	1,394,700,224	701,464,061
	1919	25,005	200,642	27,968	31,142	141,532	165,711	48,819,966	158,237,059	713,239,411	1,151,896,318	438,656,907
Brooms	1929	407	5,405	380	474	4,542	4,672	1,097,040	4,169,687	9,647,688	19,166,353	9,518,665
	1927	394	5,388	388	550	4,450	4,401	1,157,459	4,274,688	9,175,710	18,444,912	9,269,202
	1919	1,034	8,536	1,162	1,061	6,313	6,037	1,946,126	5,708,885	17,365,109	30,205,267	12,840,158
Brushes, other than rubber	1929	303	8,947	188	1,498	7,261	11,915	4,240,287	7,962,538	21,688,253	45,549,270	23,861,017
	1927	302	9,459	202	1,584	7,673	12,093	3,752,209	8,244,032	22,553,058	47,844,124	25,291,066
	1919	379	9,941	330	1,643	7,968	7,307	3,048,594	7,113,201	19,598,133	30,005,607	10,407,474
Butter	1929	3,527	27,934	1,307	7,530	10,097	164,413	12,480,080	24,197,840	635,873,586	746,417,620	110,544,034
	1927	3,519	28,948	1,279	7,573	20,096	145,973	11,897,609	25,532,586	637,336,685	739,010,876	101,674,191
	1919	3,738	26,330	2,006	6,692	17,641	94,962	9,522,089	18,852,720	514,345,739	583,163,011	68,817,272
Buttons	1929	242	10,055	127	894	9,034	14,615	2,442,244	8,813,927	11,501,401	28,977,919	17,476,518
	1927	229	10,062	131	889	9,042	15,899	2,174,699	9,435,821	11,237,579	29,130,108	17,892,589
	1919	557	17,758	575	1,606	15,577	15,706	3,349,328	13,772,599	16,745,367	41,840,459	25,095,102
Candles	1929	20	941	4	156	781	1,971	501,787	923,039	3,250,627	6,686,194	3,435,567
	1927	17	932	11	212	709	996	642,518	761,464	2,958,087	6,350,031	3,391,944
	1919	19	666	13	112	541	597	287,832	437,581	2,178,528	3,350,806	1,172,278
Canning and preserving: Fish, crabs, shrimps, oysters, and clams.	1929	348	14,808	128	1,158	13,612	21,692	2,806,704	8,709,058	53,239,011	80,848,513	27,608,602
	1927	337	13,999	155	1,194	12,650	18,574	2,490,263	8,105,581	42,801,556	65,082,187	22,190,631
	1919	475	14,136	326	1,373	12,437	25,830	3,051,628	9,505,019	53,993,789	80,260,423	26,266,634
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces.	1929	2,997	110,551	1,755	9,930	98,866	224,097	22,133,979	74,978,590	462,062,128	750,342,041	288,279,913
	1927	2,436	91,518	1,614	8,980	80,924	189,831	19,257,469	62,309,660	355,185,602	572,345,862	217,160,260
	1919	3,805	94,125	3,833	12,806	77,486	154,631	21,717,036	56,039,004	358,665,958	548,027,502	189,361,544
Car and general construction and repairs, electric-railroad repair shops.	1929	446	31,082	-------	2,507	29,475	76,424	5,423,674	47,108,710	32,781,113	85,481,577	52,700,464
	1927	515	34,137	-------	2,553	31,584	73,357	5,240,032	48,391,897	30,421,470	84,504,448	54,082,969
	1919	624	33,120	1	1,847	31,272	53,805	2,979,367	39,073,154	32,025,484	75,210,701	43,185,217
Car and general construction and repairs, steam-railroad repair shops.	1929	1,851	398,655	-------	29,074	368,681	1,076,723	76,171,019	590,202,724	515,562,452	1,184,435,262	668,872,810
	1927	1,704	432,147	-------	35,059	397,088	1,037,464	85,366,132	600,516,555	515,070,275	1,205,190,710	690,120,435
	1919	1,744	516,279	2	31,840	484,437	591,070	66,948,100	687,617,312	515,803,210	1,279,235,393	763,432,183
Carbon paper and inked ribbons	1929	57	1,781	21	509	1,251	3,042	1,530,423	1,702,358	7,990,753	17,295,140	9,304,387
	1927	49	1,519	20	421	1,078	3,267	1,113,835	1,514,230	6,019,768	13,793,128	7,773,370
Cardboard, not made in paper mills	1929	13	820	1	210	609	1,549	853,208	810,178	2,665,258	5,629,498	2,964,240
	1927	9	897	1	238	658	1,779	788,260	848,807	2,808,056	5,581,164	2,713,108
	1919	16	1,714	2	287	1,425	3,251	743,723	1,337,177	4,953,915	9,138,415	4,184,500
Card cutting and designing	1929	70	2,853	45	470	2,338	3,909	1,383,196	2,725,047	9,285,931	19,648,179	10,362,248
	1927	60	2,505	31	450	2,024	3,915	1,227,691	2,706,633	7,544,043	16,871,312	9,327,269
	1919	75	1,397	69	180	1,148	743	442,902	958,877	2,298,389	5,323,349	3,024,960
Carpets and rugs, rag	1929	94	1,866	83	254	1,529	2,416	480,079	1,502,372	1,658,937	5,510,768	3,851,831
	1927	110	2,006	92	281	1,633	2,005	511,189	1,677,572	1,636,371	5,890,205	4,253,894
	1919	339	2,716	391	309	2,016	2,659	383,870	1,550,501	2,037,874	5,597,057	3,559,183
Carpets and rugs, wool, other than rag.	1929	67	35,051	10	2,418	32,623	65,205	7,359,683	40,014,207	86,650,892	176,915,364	90,264,472
	1927	65	34,622	9	1,784	32,829	65,828	5,416,434	42,040,892	85,601,835	166,888,408	81,286,573
	1919	75	24,251	50	1,268	22,933	37,593	4,749,784	24,216,121	67,118,039	123,253,828	56,135,789
Carriage, wagon, sleigh, and sled materials.	1929	45	832	30	121	681	4,760	238,968	564,635	1,481,988	2,792,228	1,310,240
	1927	44	909	32	113	764	5,213	215,059	664,515	1,554,554	3,040,948	1,486,394
	1919	258	7,429	212	708	6,509	23,672	1,305,544	5,666,771	14,734,673	26,765,316	12,030,643

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Carriages and sleds, children's	1929	79	7,909	15	792	7,102	10,895	1,960,574	8,313,356	13,514,787	28,817,860	15,303,073
	1927	89	7,812	24	758	7,030	10,309	1,757,595	7,813,648	13,895,086	28,668,145	14,773,059
	1919	103	7,513	65	762	6,686	6,071	1,744,085	6,229,038	11,700,158	24,506,596	12,806,438
Carriages, wagons, sleighs, and sleds	1929	88	3,465	22	570	2,873	14,899	1,417,687	3,417,963	8,458,294	16,449,879	7,991,585
	[4] 1927	117	4,074	48	639	3,387	18,207	1,562,142	4,211,610	10,648,271	19,422,235	8,773,964
Cars, electric and steam railroad, not built in railroad repair shops.	1929	147	46,116	3	6,098	40,015	238,455	13,365,728	63,387,382	223,889,397	328,220,204	104,330,807
	1927	135	44,275	-------	6,244	38,031	236,415	13,851,043	60,624,856	209,112,561	312,508,598	103,396,037
	1919	106	62,068	3	6,847	55,218	167,180	14,598,243	82,416,737	368,143,487	556,664,807	188,521,320
Cash registers and adding, calculating, and card-tabulating machines.	1929	46	20,188	9	3,339	16,840	28,257	9,280,453	29,745,865	10,766,013	110,000,986	99,234,973
	1927	41	17,792	5	3,415	14,372	21,954	8,712,951	21,756,094	11,132,191	106,844,969	95,712,778
	1919	65	18,958	26	2,388	16,544	14,645	3,982,670	22,537,265	10,889,998	83,539,025	72,649,027
Caskets, coffins, burial cases, and other morticians' goods.	1929	414	15,360	154	2,173	13,033	39,609	6,475,756	16,411,027	39,359,294	88,281,872	48,931,578
	1927	340	13,839	130	2,044	11,665	31,105	5,649,433	14,420,598	33,327,469	74,860,850	41,563,381
	1919	351	14,546	225	2,431	11,890	22,190	5,831,208	11,450,957	31,595,287	64,377,133	32,781,846
Cast-iron pipe	1929	72	21,036	9	1,286	19,741	69,757	3,750,877	22,551,778	34,289,365	80,260,550	45,971,185
	1927	82	24,183	5	1,286	22,892	63,196	3,427,122	25,082,196	48,224,970	95,088,622	46,863,652
	1919	59	13,777	4	1,148	12,625	28,741	2,431,212	14,705,398	25,386,552	50,235,101	24,848,549
Cement	1929	174	38,756	4	5,384	33,368	1,183,989	13,985,102	48,849,096	95,242,497	267,509,260	172,266,763
	1927	161	42,884	6	6,556	36,322	1,069,390	16,331,586	53,110,745	120,612,025	293,565,293	173,553,268
	1919	123	30,247	9	4,714	25,524	488,808	9,495,801	33,194,920	79,509,800	175,264,910	95,755,110
Cereal preparations	1929	121	8,204	46	1,670	6,488	66,291	3,355,063	8,875,622	101,471,521	175,223,126	73,751,605
	1927	77	7,245	35	1,182	6,028	50,979	2,615,105	8,417,246	91,748,332	155,563,286	63,814,954
	1919	105	10,919	45	3,240	7,634	46,092	5,748,813	8,508,879	117,838,248	159,223,465	41,385,217
Cheese	1929	2,758	5,786	1,524	861	3,401	24,739	859,419	4,588,067	92,727,217	110,644,732	17,917,515
	1927	2,738	5,596	1,241	835	3,520	20,976	768,903	4,897,205	100,787,583	118,447,757	17,660,174
	1919	3,530	6,993	2,400	596	3,997	24,411	1,050,043	4,808,991	129,425,265	143,455,704	14,030,439
Chemicals, not elsewhere classified	1929	551	75,558	41	13,318	62,199	854,358	35,924,786	94,680,013	363,576,811	738,048,386	374,471,575
	1927	492	62,694	53	10,294	52,347	576,285	28,182,303	78,274,975	296,677,164	572,090,732	275,413,568
	[5] 1919	836	95,272	154	18,200	76,918	480,435	39,038,561	105,062,261	301,519,182	614,278,849	312,759,667
Chewing gum	1929	37	2,859	7	587	2,265	10,350	1,462,151	2,732,946	23,231,172	60,160,126	36,928,954
	1927	40	3,269	12	733	2,524	10,097	1,686,285	2,727,236	27,167,504	62,001,320	34,833,816
	1919	62	4,056	23	843	3,190	6,172	1,847,630	2,679,803	25,202,312	51,240,156	26,037,844
China firing and decorating, not done in potteries.	1929	27	407	22	68	317	53	145,673	420,303	640,361	1,554,003	913,642
	1927	31	464	26	72	366	43	147,950	428,232	681,653	1,602,079	1,010,426
	1919	43	321	45	32	244	43	81,625	244,211	310,785	866,762	555,977
Chocolate and cocoa products, not including confectionery.	1929	59	7,072	4	819	6,249	63,236	2,498,263	7,778,061	79,540,871	119,540,693	39,991,322
	1927	69	7,350	5	918	6,427	62,742	2,785,682	7,339,405	90,422,852	122,723,229	32,300,377
	1919	48	10,287	21	1,183	9,083	33,414	4,038,456	9,270,077	101,754,466	139,258,296	37,503,830
Cigars and cigarettes	1929	1,636	115,957	1,518	9,131	105,308	49,517	19,765,530	85,623,298	356,778,023	1,066,908,888	710,130,865
	1927	1,997	128,345	1,882	10,289	116,174	35,819	19,809,453	94,589,211	335,350,075	965,523,702	630,167,627
	1919	9,926	161,097	10,464	11,860	138,773	24,497	22,392,437	111,313,348	353,297,366	773,662,495	420,365,129
Clay products (other than pottery) and nonclay refractories.	1929	1,749	102,955	530	8,189	93,336	533,887	21,330,306	106,918,327	81,608,742	294,934,513	213,235,771
	1927	1,846	109,983	600	8,411	100,972	529,581	21,868,695	121,907,507	99,869,669	319,907,843	220,038,174
	1919	2,414	86,593	1,649	7,939	76,915	405,157	15,840,907	78,256,085	67,488,113	208,422,920	140,934,807
Cleaning and polishing preparations	1929	429	4,505	108	1,624	2,713	10,609	4,349,271	3,356,161	19,399,041	50,779,632	31,380,591
	1927	341	3,993	182	1,408	2,403	8,485	3,549,621	2,988,430	15,219,635	41,234,466	26,014,831
	1919	499	4,264	356	1,953	1,955	4,510	3,698,314	1,898,447	12,923,518	26,703,109	13,779,591
Clocks, clock movements, time-recording devices, and time stamps.	1929	56	11,943	4	1,538	10,401	12,451	3,827,459	12,481,894	10,675,113	42,165,875	31,490,762
	1927	52	11,268	7	1,866	9,865	9,510	3,507,361	11,750,620	10,062,765	38,195,803	28,133,038
	1919	46	9,260	11	997	8,252	6,952	1,998,374	7,861,611	7,177,813	23,380,190	16,202,377
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified.	1929	3,601	169,143	3,952	15,323	149,868	40,325	41,904,877	170,708,808	440,504,970	901,104,205	460,599,226
	[4] 1927	3,562	168,708	4,231	18,378	146,099	34,351	43,046,189	184,613,090	447,244,635	932,181,718	484,937,083
Clothing, men's, buttonholes	1929	32	342	36	14	292	104	26,570	314,192	60,792	573,909	513,117
	1927	40	494	47	35	412	132	71,325	428,817	98,029	917,932	819,903
	1919	107	635	131	20	484	176	64,578	514,600	123,266	1,090,049	966,783
Clothing, women's, not elsewhere classified.	1929	8,082	222,404	7,689	27,215	187,500	35,291	83,916,680	243,851,143	934,413,683	1,709,580,505	775,166,822
	1927	7,588	187,464	8,386	24,619	154,459	30,287	62,269,316	211,349,759	809,520,125	1,494,401,044	684,880,919
	1919	7,711	202,243	10,366	26,228	165,649	32,421	59,035,975	195,295,834	680,406,844	1,208,543,128	528,136,284
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's.	1929	511	41,196	323	2,672	38,201	11,492	6,219,073	26,647,078	83,551,715	138,450,078	54,898,363
	[4] 1927	566	43,948	423	2,913	40,612	11,218	6,232,951	29,945,915	85,134,183	147,289,025	62,154,842
Cloth sponging and refinishing	1929	46	1,083	20	161	902	800	559,463	1,457,104	88,340	3,361,221	3,272,881
	1927	52	941	29	176	736	933	604,017	1,502,111	160,779	3,457,938	3,297,159
	1919	67	1,454	55	193	1,206	927	612,363	1,564,661	178,161	3,690,858	3,512,697
Coffee and spice, roasting and grinding.	1929	928	13,792	436	4,303	9,053	45,465	12,008,823	10,606,360	332,150,200	424,344,837	92,194,637
	1927	784	13,063	423	4,445	8,195	42,542	12,215,938	9,537,473	284,652,793	384,281,306	99,628,513
	1919	794	20,187	556	9,091	10,540	29,706	16,504,017	9,201,242	243,899,108	304,791,677	60,892,569
Coke, not including gas-house coke	1929	153	23,506	5	2,951	20,552	393,211	7,451,438	33,389,425	281,592,430	416,348,458	134,756,028
	1927	171	23,809	-------	2,727	21,082	451,874	7,200,470	34,167,692	286,728,701	382,012,617	95,283,916
	1919	278	32,882	41	3,522	29,319	224,879	7,605,785	42,299,292	224,266,674	316,515,838	92,249,164

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Persons engaged in the industry: Total	Persons engaged in the industry: Proprietors and firm members	Persons engaged in the industry: Salaried officers and employees [1]	Persons engaged in the industry: Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Collapsible tubes	1929	17	1,968	-------	147	1,821	2,272	646,996	1,782,024	5,385,966	8,912,977	3,527,071
	1927	17	2,169	-------	185	1,984	2,849	650,000	1,918,055	7,103,927	11,350,710	4,246,783
Collars, men's	1929	15	3,102	7	233	2,952	1,281	341,353	2,203,335	3,630,108	8,740,396	5,110,228
	1927	24	3,606	18	318	3,270	3,131	652,086	2,966,938	5,866,677	13,264,207	7,397,530
	1919	30	12,562	37	1,422	11,103	5,276	2,012,639	7,430,729	19,434,095	47,564,949	28,130,854
Combs and hairpins, not made from metal or rubber.	1929	24	793	16	121	656	1,015	267,983	640,857	1,066,824	2,482,419	1,475,595
	1927	36	1,474	15	200	1,259	1,591	491,550	1,249,064	1,873,003	4,436,656	2,563,653
	1919	45	2,475	38	208	2,229	1,588	488,327	1,809,453	3,168,818	6,566,365	3,397,547
Compressed and liquefied gases	1929	354	6,449	3	3,056	3,390	85,293	5,662,732	5,378,211	14,528,603	52,189,770	37,661,176
	1927	313	5,756	3	2,541	3,212	70,489	4,779,887	4,947,577	11,748,839	50,547,395	38,798,556
Concrete products	1929	2,438	21,697	1,734	3,458	16,505	67,651	8,349,404	22,688,062	34,035,184	92,900,749	58,865,565
	1927	2,330	22,980	1,866	3,306	17,808	54,342	7,462,907	24,897,709	33,913,086	93,259,206	59,346,120
	1919	2,785	12,879	3,055	1,446	8,378	22,178	2,290,989	9,310,899	13,913,317	33,664,332	19,751,015
Condensed and evaporated milk	1929	535	8,536	38	1,433	7,065	85,258	2,885,342	8,795,629	163,786,818	209,109,700	45,322,882
	1927	464	8,763	21	1,352	7,390	63,969	2,505,997	9,190,599	159,686,081	200,086,091	40,406,010
	1919	401	16,533	46	2,812	13,675	49,178	5,645,566	14,277,950	282,595,292	339,506,774	56,911,482
Confectionery	1929	2,021	73,940	1,222	9,217	63,501	112,644	23,585,475	56,442,674	215,192,474	393,269,849	178,077,375
	1927	1,908	74,525	1,383	9,979	63,163	110,595	24,564,736	56,980,548	218,372,553	391,927,343	173,554,790
	1919	3,149	93,982	3,146	14,343	76,493	77,636	31,244,470	54,461,057	252,433,691	447,726,103	195,292,412
Cooperage	1929	586	11,964	303	970	10,691	33,885	2,548,874	11,705,704	41,515,500	64,841,788	23,326,288
	1927	528	12,685	261	969	11,455	33,553	2,554,298	12,937,446	43,821,250	66,947,424	23,126,174
	1919	1,099	15,369	941	1,209	13,219	30,688	2,923,177	14,082,224	58,520,655	88,236,061	29,715,406
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.	1929	2,161	37,063	1,516	6,954	28,593	53,749	18,413,534	43,254,611	112,648,112	222,484,625	109,836,513
	1927	1,931	32,065	1,623	5,915	24,527	35,880	14,585,751	38,667,690	98,395,897	191,128,636	92,742,739
	1919	4,796	38,559	5,056	5,863	27,640	24,130	11,009,498	33,866,823	89,898,528	166,313,945	76,415,417
Cordage and twine	1929	123	15,915	17	1,409	14,489	73,021	3,995,968	12,833,561	54,573,259	91,455,117	36,881,858
	1927	116	16,508	19	1,405	15,084	74,924	3,855,990	13,674,081	56,105,063	89,172,495	33,067,432
	1919	120	19,232	29	1,581	17,622	66,556	4,015,501	14,700,061	89,705,282	133,366,476	43,661,194
Cork products	1929	35	4,265	12	411	3,842	14,829	902,800	4,208,674	12,692,522	23,023,329	10,420,807
	1927	27	3,562	4	373	3,185	11,983	874,273	3,560,013	9,395,123	17,368,825	7,973,702
	1919	62	4,061	30	486	3,545	8,556	1,028,630	3,387,114	9,134,950	16,282,239	7,147,289
Corn sirup, corn sugar, corn oil, and starch.	1929	35	8,227	9	1,488	6,730	84,686	4,136,258	9,872,909	104,284,827	165,983,739	61,698,912
	1927	26	8,257	3	1,282	6,972	81,003	3,075,505	10,489,679	99,905,776	134,461,166	43,555,390
	1919	56	8,694	37	862	7,795	52,636	2,212,362	11,962,483	130,328,848	186,256,260	55,927,412
Corsets and allied garments	1929	213	15,958	99	2,195	13,664	6,048	6,233,226	12,446,334	30,635,079	76,802,199	40,767,120
	1927	222	16,239	131	2,330	13,778	7,819	5,309,850	12,402,288	35,394,422	77,218,202	41,823,780
	1919	188	21,751	98	3,238	18,415	6,956	7,150,167	13,082,242	38,815,803	75,541,959	36,726,156
Cotton goods	1929	1,281	439,101	91	14,094	424,916	2,269,346	41,020,722	324,289,094	898,028,977	1,524,177,087	626,148,110
	1927	1,347	480,817	167	13,054	467,596	2,328,830	38,154,444	380,969,543	871,591,001	1,567,400,612	695,808,711
	1919	1,288	445,423	239	14,218	430,966	1,836,208	37,364,478	355,474,937	1,277,785,597	2,125,372,193	847,486,596
Cotton small wares	1929	202	16,680	69	1,330	15,281	27,308	4,015,407	15,449,435	33,636,208	65,169,753	31,533,545
	1927	220	16,621	105	1,558	14,958	29,205	4,514,817	15,333,332	32,222,020	64,819,965	32,597,945
Crucibles	1929	11	413	-------	92	321	1,080	310,540	430,141	1,035,414	2,944,724	1,909,310
	1927	11	360	-------	102	258	1,088	370,452	343,552	772,155	1,982,135	1,209,980
	1919	6	289	-------	50	239	608	160,739	257,119	1,045,718	2,146,236	1,100,518
Cutlery (not including silver and plated cutlery) and edge tools.	1929	239	17,005	111	1,903	14,991	49,886	5,414,960	17,651,292	14,789,335	78,660,872	63,871,537
	1927	230	17,858	115	1,911	15,832	43,419	4,710,217	18,892,154	18,180,385	76,688,444	58,508,059
	1919	304	22,529	173	2,497	19,859	38,555	4,740,961	20,048,465	19,477,437	66,629,570	47,152,133
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; poultrymen's and apiarists' supplies.	1929	172	7,210	96	1,664	5,450	13,672	3,816,437	6,925,320	16,371,116	42,246,758	25,875,642
	1927	152	6,587	60	1,430	5,001	13,576	3,352,138	6,373,561	15,680,203	36,823,048	21,137,355
	1919	244	8,014	164	2,013	6,437	11,750	3,504,406	7,078,433	18,526,743	37,397,448	18,870,705
Dental goods and equipment	1929	87	5,555	38	958	4,559	6,216	2,716,592	5,350,432	17,326,748	35,180,165	17,853,417
	1927	97	4,534	61	714	3,759	3,792	1,657,884	3,941,280	18,188,584	32,348,979	14,160,395
Doors, shutters, and window sash and frames, metal.	1929	148	11,949	33	2,359	9,557	25,027	7,199,256	17,065,422	30,178,161	72,166,388	41,982,227
	1927	117	10,109	29	2,030	8,050	20,626	6,053,343	15,564,458	25,602,238	65,279,973	39,677,735
	1919	57	2,660	22	561	2,077	4,013	1,258,034	2,720,774	4,577,934	10,877,001	6,299,067
Druggists' preparations	1929	429	14,753	135	3,930	10,688	19,448	11,417,620	12,452,066	43,775,986	124,778,487	81,002,501
	1927	373	14,770	154	4,478	10,138	15,919	10,372,755	11,942,469	40,499,392	110,309,139	69,809,747
	1919	524	22,569	283	6,718	15,568	12,670	13,318,486	12,161,925	55,138,475	114,593,486	59,455,011
Drug grinding	1929	26	844	5	162	677	5,277	599,422	840,935	5,675,079	9,669,220	3,994,141
	1927	25	837	9	169	659	4,662	555,020	820,187	5,683,720	9,205,243	3,521,523
	1919	31	1,661	16	298	1,347	6,723	797,642	1,526,137	11,556,480	16,937,698	5,381,218
Dyeing and finishing textiles	1929	732	89,647	217	10,103	79,327	304,057	31,274,996	94,244,685	235,712,156	465,820,629	230,108,473
	1927	743	83,457	207	9,339	73,851	287,212	27,002,701	91,697,219	210,680,900	406,047,372	195,366,472
	1919	628	62,588	363	6,240	55,985	159,857	16,251,555	57,189,978	174,742,815	323,967,683	149,224,868
Electrical machinery, apparatus, and supplies.	1929	1,802	405,053	404	75,867	328,722	893,519	170,847,326	456,377,629	971,017,623	2,300,915,572	1,329,897,949
	1927	1,777	306,968	915	64,487	241,566	661,108	148,248,997	336,238,750	645,761,699	1,637,307,035	991,545,336
	1919	1,404	271,912	473	59,065	212,374	438,082	98,180,430	238,188,852	425,098,211	997,968,119	572,869,908
Electroplating	1929	534	7,313	470	915	5,928	24,015	2,557,492	9,536,800	4,798,667	23,727,916	18,929,249
	1927	419	4,589	463	570	3,556	14,090	1,365,534	5,620,104	3,335,140	13,930,321	10,595,181
	1919	515	4,032	590	418	3,024	6,788	743,256	3,793,605	2,639,248	10,389,617	7,750,369

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Persons engaged in the industry: Total	Persons engaged in the industry: Proprietors and firm members	Persons engaged in the industry: Salaried officers and employees [1]	Persons engaged in the industry: Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Embroideries	1929	813	8,161	819	720	6,622	2,279	1,839,075	7,867,908	6,608,840	25,286,796	18,677,956
	[4] 1927	1,069	11,234	1,273	997	8,964	2,930	2,050,191	10,962,090	7,959,769	32,418,888	24,459,119
Emery wheels and other abrasive and polishing appliances.	1929	67	4,980	16	1,091	3,873	18,113	2,990,160	5,820,143	12,416,663	32,154,311	19,737,648
	1927	68	3,956	15	680	3,261	13,464	1,628,256	4,608,167	10,839,973	24,181,837	13,341,864
	1919	60	6,921	20	1,300	5,601	12,963	2,387,470	5,878,748	12,228,187	30,949,270	18,721,083
Engines, turbines, tractors, and water wheels.	1929	199	72,207	27	11,032	61,148	287,079	28,256,279	98,705,080	202,900,430	457,217,669	254,317,239
	1927	215	63,433	33	9,059	54,341	241,788	22,467,103	84,790,771	165,202,801	367,878,588	202,675,787
	1919	370	96,286	93	18,576	77,617	190,005	30,912,039	105,435,455	217,550,771	464,774,735	247,223,964
Engravers' materials	1929	19	383	3	67	313	1,493	270,807	448,385	1,794,804	3,120,483	1,334,679
	1927	17	245	3	64	178	864	186,464	293,962	1,289,261	2,168,737	879,476
	1919	21	252	11	67	174	733	166,179	212,171	1,484,269	2,248,122	763,853
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1929	189	2,833	182	411	2,240	2,965	1,328,075	3,211,743	2,583,039	10,933,741	8,350,702
	1927	173	2,295	164	326	1,805	2,028	949,841	2,612,434	2,078,160	7,930,088	5,852,528
	1919	478	2,656	533	245	1,878	1,750	491,951	2,391,504	1,927,323	7,350,602	5,423,279
Engraving, steel and copperplate, and plate printing.	1929	456	12,498	317	2,051	10,130	8,506	5,936,587	14,489,730	11,864,764	47,161,641	35,296,877
	1927	393	10,567	311	1,707	8,549	6,894	4,350,765	11,885,737	10,236,216	39,071,105	28,834,889
	1919	421	8,779	370	1,395	7,014	5,353	2,879,317	7,908,109	6,980,747	24,209,154	17,228,407
Engraving, wood	1929	27	200	30	28	142	54	73,860	323,211	82,250	738,951	656,701
	1927	23	194	26	36	132	45	77,316	290,777	76,354	641,437	565,083
	1919	55	387	62	90	235	67	152,162	407,215	219,268	1,153,618	934,350
Envelopes	1929	171	12,432	38	2,027	10,367	13,077	5,424,496	11,526,849	29,927,683	61,286,992	31,359,309
	1927	153	11,496	33	1,718	9,745	11,391	4,176,574	10,754,636	28,973,192	56,006,225	27,033,033
	1919	106	9,493	33	1,331	8,129	7,124	2,798,311	6,649,989	21,964,743	39,664,077	17,699,334
Excelsior	1929	66	1,391	54	96	1,241	10,667	272,214	1,219,144	2,439,530	5,008,769	2,569,239
	1927	64	1,433	42	119	1,272	10,930	312,588	1,181,488	2,547,114	4,821,098	2,273,984
	1919	95	1,491	81	168	1,242	10,332	326,041	1,144,503	2,521,967	4,913,450	2,391,483
Explosives	1929	95	6,433	28	791	5,614	51,612	2,226,390	8,487,890	31,764,307	72,539,724	40,775,417
	1927	100	6,690	25	862	5,803	38,239	2,272,514	8,131,234	36,893,576	72,489,668	35,596,092
	1919	118	15,429	28	6,152	9,249	51,635	13,244,224	12,504,986	45,911,049	92,474,813	46,563,764
Fancy and miscellaneous articles, not elsewhere classified.	1929	814	21,969	472	2,775	18,722	11,071	7,972,209	10,040,511	35,139,854	85,388,961	50,249,107
	1927	595	20,299	467	2,867	16,965	10,802	6,815,477	18,306,510	34,673,611	83,006,431	48,332,820
	1919	661	17,140	606	2,573	13,961	8,657	5,622,193	12,207,913	32,591,073	64,054,481	31,463,408
Feathers, plumes, and manufactures thereof.	1929	39	332	23	52	257	100	127,144	309,693	386,356	1,141,418	755,062
	1927	38	416	32	62	322	103	139,102	395,683	534,149	1,438,441	904,292
	1919	216	4,224	230	481	3,504	502	1,023,994	3,405,765	6,694,596	15,377,953	8,683,357
Feeds, prepared, for animals and fowls	1929	750	14,736	352	4,161	10,223	170,482	9,579,066	12,821,386	327,919,743	402,752,534	74,832,791
	[4] 1927	447	11,567	189	3,746	7,632	115,855	7,772,435	9,702,954	244,675,705	299,792,642	55,116,937
Felt goods, wool, hair, or jute	1929	54	6,185	8	637	5,540	25,655	2,506,186	7,531,208	26,223,967	45,465,823	19,241,856
	1927	50	6,014	7	555	5,452	23,479	2,201,898	6,653,147	23,289,338	41,894,844	18,605,506
	1919	49	5,934	8	690	5,236	16,411	2,097,342	4,873,490	22,780,775	39,229,540	16,448,765
Fertilizers	1929	638	25,116	139	4,051	20,926	166,984	9,397,707	17,883,925	159,801,195	232,510,936	72,709,741
	1927	621	22,711	119	3,980	18,612	156,274	8,936,036	17,649,661	138,142,925	190,384,890	52,241,965
	1919	600	32,522	219	6,007	26,296	125,939	11,571,600	25,363,132	185,040,522	281,143,587	96,103,065
Files	1929	33	4,299	6	319	3,974	12,091	981,668	5,239,808	3,052,675	14,114,378	11,061,703
	1927	36	4,259	11	300	3,948	10,979	848,927	5,144,987	3,135,955	12,973,734	9,837,779
	1919	50	6,343	24	552	5,767	11,897	953,113	6,192,444	4,227,880	17,616,563	13,388,683
Firearms	1929	21	7,747	1	908	6,838	15,427	1,079,971	9,209,551	4,117,099	21,970,367	17,853,268
	1927	20	6,885	1	754	6,130	15,747	1,079,624	7,933,639	5,047,555	19,452,372	14,404,817
	1919	26	12,534	9	1,238	11,287	26,167	2,094,183	13,333,495	7,613,784	30,181,370	22,567,586
Fire extinguishers, chemical	1929	28	1,084	8	336	740	1,464	907,375	958,570	4,187,524	8,566,089	4,378,565
	1927	26	1,193	6	355	832	1,504	607,132	1,191,703	4,009,775	8,035,156	4,025,381
	1919	32	1,128	19	332	777	855	645,611	751,119	2,693,416	5,563,180	2,869,764
Fireworks	1929	50	2,002	16	175	1,811	1,746	453,215	1,930,595	2,464,617	6,583,502	4,118,885
	1927	36	1,710	8	138	1,564	1,300	367,070	1,395,024	2,628,672	5,884,939	3,261,267
	1919	57	1,396	26	148	1,222	1,005	325,274	994,851	2,108,156	4,629,984	2,521,828
Flags and banners	1929	54	1,150	31	190	938	577	439,488	794,328	1,771,320	3,835,824	2,064,504
	1927	46	1,258	35	177	1,046	700	352,663	807,906	2,282,456	4,536,348	2,253,892
	1919	79	1,345	60	220	1,065	778	480,960	795,242	3,286,165	5,346,089	2,059,924
Flavoring extracts and flavoring sirups.	1929	642	7,847	302	2,504	5,041	33,838	7,748,504	7,070,860	55,517,926	129,086,237	73,568,311
	1927	500	7,887	219	2,657	5,011	27,963	7,137,333	7,134,274	51,090,727	107,219,395	56,128,668
	1919	602	6,771	432	2,753	3,586	6,553	5,230,983	2,962,566	50,416,804	76,923,650	26,506,846
Flax and hemp, dressed	1929	6	62	2	13	47	429	18,428	35,406	93,477	197,035	103,558
	1927	7	77	5	10	62	654	12,912	51,390	116,166	282,895	166,729
	1919	20	491	26	45	420	1,920	87,591	447,373	1,708,670	2,369,114	660,444
Flour and other grain-mill products	1929	4,022	39,126	3,334	8,764	27,028	641,456	20,594,955	35,072,386	868,872,569	1,060,269,418	191,396,849
	1927	4,035	43,730	3,602	10,146	29,982	641,608	22,231,064	37,559,472	972,711,040	1,148,760,360	176,049,320
	1919	10,708	75,769	11,937	18,351	45,481	875,464	32,013,030	50,888,383	1,790,180,987	2,052,434,385	253,253,398
Food preparations, not elsewhere classified.	1929	862	14,376	571	3,189	10,616	36,716	8,792,802	11,657,726	96,387,639	171,860,987	75,473,348
	[4] 1927	674	13,942	456	3,192	10,294	34,773	7,785,967	11,386,636	98,248,740	166,964,672	68,715,932

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Forgings, iron and steel, not made in plants operated in connection with rolling mills.	1929	218	23,555	43	2,630	20,882	147,491	8,715,756	34,505,349	71,606,964	156,248,947	84,641,983
	1927	219	17,972	53	2,325	15,594	127,975	7,266,330	23,539,551	52,101,995	105,035,719	52,933,724
	1919	261	33,536	70	4,331	29,135	104,870	10,710,965	40,602,802	83,561,111	177,119,105	93,557,994
Foundry and machine-shop products, not elsewhere classified.	1929	8,605	545,377	3,087	87,249	454,441	1,804,886	247,857,074	697,508,589	1,038,066,092	2,791,461,964	1,753,395,872
	[4]*1927*	*8,095*	*484,064*	*4,164*	*81,228*	*398,672*	*1,550,240*	*218,246,076*	*590,024,020*	*873,771,144*	*2,268,653,217*	*1,389,882,073*
	1927	8,380	490,285	4,367	81,979	403,939	1,561,934	215,394,585	601,022,908	883,651,734	2,291,543,110	1,407,891,376
	1919	10,034	577,308	7,662	86,879	482,767	1,040,265	181,775,328	622,571,129	948,069,381	2,289,250,859	1,341,181,478
Foundry supplies	1929	59	1,151	10	288	853	9,396	986,500	1,255,801	5,534,548	10,458,589	4,924,041
	1927	65	1,365	12	412	941	11,133	1,066,313	1,200,141	6,539,050	11,635,060	5,096,010
	1919	76	1,331	23	402	906	6,327	887,522	1,032,029	5,667,236	9,954,676	4,287,440
Fuel: Briquettes and boulets	1929	23	515	-------	89	426	14,803	265,252	584,029	5,918,799	9,497,657	3,578,858
	1927	20	331	-------	57	274	9,594	152,748	445,511	4,873,195	7,203,410	2,330,215
	1919	11	228	-------	57	171	5,180	134,110	221,545	1,386,394	1,973,877	587,483
Fur goods	1929	2,855	23,014	3,161	4,101	15,752	5,511	12,757,711	33,320,965	176,106,910	277,592,752	101,485,842
	1927	2,756	24,488	3,755	4,093	16,640	5,655	10,092,886	37,670,610	195,322,988	299,615,047	104,292,059
	1919	1,815	19,834	2,527	3,668	13,639	5,327	7,993,146	24,149,212	105,596,605	173,137,739	67,541,134
Furnishing goods, men's, not elsewhere classified.	1929	598	29,582	468	2,526	26,588	7,036	7,459,130	23,009,301	83,631,818	150,963,603	67,331,785
	1927	534	28,712	436	3,093	25,183	7,190	6,553,571	22,070,339	82,839,406	145,474,143	62,634,737
	1919	487	22,530	503	3,083	18,944	5,659	8,115,308	13,562,866	64,743,012	107,834,695	43,090,783
Furniture, including store and office fixtures	1929	3,778	219,799	1,883	24,517	193,399	503,970	70,847,629	242,832,096	426,454,169	948,116,358	521,662,189
	1927	3,228	212,256	1,576	22,537	188,143	455,881	61,188,728	238,240,167	392,098,519	885,204,300	493,105,781
	1919	3,279	162,660	2,468	19,940	140,252	205,156	44,176,520	143,152,217	205,725,010	579,906,396	314,181,386
Furs, dressed	1929	248	6,121	174	780	5,167	10,769	3,081,603	8,596,377	18,648,954	40,237,192	21,588,238
	1927	172	6,458	100	818	5,540	12,467	2,808,429	10,360,987	7,071,850	27,680,635	20,608,785
	1919	141	5,679	127	477	5,075	5,421	1,504,541	7,098,286	6,338,835	20,384,569	14,045,734
Galvanizing and other coating, not done in plants operated in connection with rolling mills.	1929	65	1,362	24	213	1,125	2,266	673,380	1,563,716	3,939,417	7,666,541	3,727,124
	1927	59	1,170	26	191	953	2,657	583,927	1,448,940	3,722,411	6,950,855	3,228,444
	1919	52	1,965	33	267	1,665	1,571	601,341	2,247,953	10,532,288	14,475,682	3,943,394
Gas and electric fixtures; lamps, lanterns, and reflectors.	1929	614	28,609	270	4,759	23,580	40,209	13,710,800	33,268,595	57,918,407	144,965,706	87,047,299
	1927	481	26,082	261	4,791	21,030	31,291	12,636,807	29,260,824	55,608,545	127,802,407	72,193,862
	1919	512	22,113	337	3,621	18,155	22,278	7,132,926	19,004,877	38,687,571	80,366,870	41,679,299
Gas machines, gas meters, and water and other liquid meters.	1929	72	7,475	7	1,367	6,101	11,029	3,854,617	8,931,625	15,187,488	40,623,344	25,435,856
	1927	58	7,125	4	1,206	5,915	10,427	3,229,073	8,792,364	15,590,977	36,715,190	21,124,213
	1919	105	7,076	24	1,463	5,589	8,586	2,756,353	5,995,877	10,647,402	26,267,074	15,619,672
Gas, manufactured, illuminating and heating.	1929	754	65,624	-------	22,559	43,065	544,024	40,774,202	60,160,926	188,416,183	512,652,595	324,236,412
	1927	828	75,285	-------	26,788	48,497	496,014	45,514,425	68,356,448	211,785,523	516,705,170	304,919,647
	1919	1,022	63,328	27	20,393	42,908	238,454	25,172,453	52,758,628	157,550,882	329,278,908	171,728,026
Glass	1929	263	73,427	31	5,869	67,527	341,979	15,586,531	87,705,111	103,293,948	303,818,560	200,524,617
	1927	269	71,533	79	5,629	65,825	318,298	13,853,782	81,352,734	109,911,464	282,394,330	172,482,866
	1919	371	83,656	60	6,076	77,520	207,338	13,364,569	87,526,625	90,780,124	261,884,080	171,103,956
Glass products (except mirrors) made from purchased glass.	1929	431	7,335	301	1,005	6,029	5,757	2,726,382	7,814,551	16,318,633	33,273,003	16,954,370
	1927	400	5,605	343	797	4,465	3,316	1,996,852	6,214,552	8,778,568	22,327,581	13,549,013
	1919	616	8,248	531	1,237	6,480	5,042	2,138,100	6,154,831	14,357,878	28,443,321	14,085,443
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.	1929	125	9,924	63	582	9,279	3,702	1,012,521	5,914,275	19,289,234	29,882,958	10,593,724
	1927	131	10,824	72	456	10,296	4,112	956,181	6,669,708	17,392,166	30,202,152	12,809,986
	1919	182	9,746	133	627	8,986	3,364	1,237,076	4,855,246	16,092,462	28,220,113	12,127,651
Gloves and mittens, leather	1929	257	10,332	231	808	9,293	3,498	2,272,323	9,203,911	20,205,740	39,122,729	18,916,989
	1927	232	10,397	251	1,040	9,106	2,603	2,037,884	8,813,912	19,276,416	36,662,053	17,385,637
	1919	355	12,504	405	1,504	10,685	3,288	3,098,046	8,150,784	26,286,129	46,940,511	20,654,382
Glue and gelatin	1929	74	3,552	14	545	2,993	23,584	1,658,419	4,236,002	18,978,027	32,458,019	13,479,992
	1927	61	3,770	18	535	3,226	24,763	1,610,424	4,524,232	19,222,384	31,195,807	11,973,423
	1919	62	4,905	23	618	4,264	16,979	1,378,636	4,776,724	19,279,905	32,134,067	12,854,162
Gold leaf and foil	1929	75	1,327	69	81	1,177	383	261,796	1,134,044	1,032,667	3,978,024	2,045,357
	1927	77	1,302	84	72	1,146	346	177,403	1,120,434	1,721,174	3,571,190	1,850,016
	1919	87	1,146	97	99	950	408	204,592	983,600	2,055,335	4,461,568	1,806,233
Gold, silver, and platinum, reducing and refining, not from the ore.	1929	69	1,416	46	439	931	4,230	1,303,597	1,633,838	61,570,093	67,959,140	6,389,047
	1927	57	1,146	32	313	801	4,288	951,456	1,434,620	58,877,476	62,647,127	3,769,651
	1919	87	995	81	270	644	3,141	637,693	843,608	49,736,978	55,483,215	5,746,237
Graphite, ground and refined	1929	11	561	2	65	494	3,156	185,619	627,235	1,457,860	3,759,969	2,302,109
	1927	13	363	2	72	289	3,011	233,520	340,510	1,319,161	2,931,584	1,612,423
	1919	24	664	10	157	497	7,445	277,267	434,317	1,092,684	2,239,587	1,146,903
Grease and tallow, not including lubricating grease.	1929	297	6,611	177	959	5,475	41,686	2,615,255	7,862,149	40,142,447	61,607,990	21,465,543
	1927	247	6,245	143	1,050	5,052	34,069	2,809,968	7,402,936	38,272,446	56,279,958	18,007,512
	1919	482	8,276	454	1,175	6,647	25,544	2,005,084	7,954,378	47,756,341	67,265,206	19,508,865
Haircloth	1929	13	504	12	42	450	1,113	126,838	520,669	2,550,563	3,855,388	1,304,825
	1927	16	442	18	39	385	1,312	83,897	480,045	2,688,784	3,616,119	927,335
	1919	18	511	19	67	425	972	143,910	425,149	2,259,142	3,315,113	1,055,971
Hair work	1929	59	474	29	86	359	44	184,390	432,340	538,479	1,693,588	1,155,109
	1927	69	683	57	111	515	21	281,885	598,034	829,891	2,279,226	1,449,335
	1919	198	1,549	210	255	1,084	119	482,316	1,064,630	3,829,197	6,963,033	3,133,836

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Persons engaged in the industry: Total	Persons engaged in the industry: Proprietors and firm members	Persons engaged in the industry: Salaried officers and employees[1]	Persons engaged in the industry: Wage earners (average for the year)	Horsepower	Salaries[1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy[2]	Value of products[2]	Value added by manufacture[3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Handkerchiefs	1929	105	6,525	60	451	6,014	2,409	1,172,291	4,635,901	16,342,735	29,553,777	13,211,042
	1927	115	7,314	71	584	6,659	2,665	1,339,522	5,264,147	18,205,237	31,588,220	13,382,983
Hand stamps and stencils and brands	1929	332	4,112	211	930	2,971	3,596	2,346,875	4,080,780	3,811,158	15,036,023	11,224,865
	1927	293	3,903	220	1,075	2,668	3,159	2,398,157	3,841,771	3,733,718	14,155,607	10,421,889
	1919	382	3,341	377	828	2,136	1,848	1,405,666	2,261,287	3,148,667	9,336,558	6,187,891
Hardware not elsewhere classified	1929	485	60,250	124	7,820	52,306	112,705	19,768,563	67,702,255	76,480,210	229,477,507	152,997,297
	1927	485	55,050	188	7,028	47,834	99,674	17,313,654	60,827,474	71,877,055	208,253,586	136,376,531
	1919	585	53,027	340	6,507	46,180	74,240	13,121,350	49,273,749	62,815,358	168,661,444	105,846,086
Hat and cap materials, men's	1929	112	2,937	77	296	2,564	5,164	968,415	2,875,718	17,305,115	25,030,043	7,725,828
	1927	96	3,116	87	267	2,762	5,158	934,499	2,658,871	15,671,702	23,339,341	7,667,549
	1919	133	3,484	134	341	3,009	4,927	950,127	3,132,571	16,643,919	26,521,212	9,877,293
Hats and caps, except felt and straw, men's	1929	576	7,279	564	889	5,826	1,796	2,314,648	7,604,078	16,907,661	35,906,664	18,993,003
	1927	568	8,015	701	1,014	6,300	1,999	2,436,033	9,126,438	20,702,296	41,213,965	20,511,669
	1919	709	9,752	931	1,282	7,539	1,087	2,765,699	9,438,864	24,176,514	44,530,861	20,353,347
Hats, fur-felt	1929	159	18,272	72	1,661	16,539	19,894	5,677,530	22,502,542	55,298,045	102,004,165	46,706,120
	1927	139	17,531	103	1,532	15,896	20,517	4,508,107	22,854,664	51,053,257	99,184,842	48,131,585
	1919	176	20,318	148	1,660	18,510	20,377	4,631,672	19,642,531	40,158,019	82,745,308	42,587,289
Hats, straw, men's	1929	50	3,792	12	400	3,380	1,836	1,368,351	3,687,570	8,704,621	18,738,994	10,034,373
	1927	48	3,772	11	498	3,263	1,554	1,289,630	4,232,332	11,782,056	21,717,689	9,934,733
Hats, wool-felt	1929	14	2,202	5	169	2,028	2,811	395,830	2,314,680	4,678,189	9,055,590	4,377,401
	1927	12	2,214	9	92	2,113	2,405	268,938	2,190,031	4,489,717	8,896,616	4,316,899
	1919	40	1,648	43	157	1,448	2,694	358,251	1,387,777	3,699,822	6,739,652	3,039,830
Hones, whetstones, and similar products.	[7]1929	6	192	3	15	174	850	40,554	182,155	340,669	868,811	528,142
Horse blankets, fly nets, and related products.	1929	14	658	5	71	582	1,375	187,453	497,871	1,470,670	2,895,158	1,424,488
	1927	16	737	6	71	660	1,421	170,105	574,177	1,877,896	3,379,105	1,501,209
	1919	28	959	25	168	766	1,577	318,431	551,278	3,455,686	6,020,612	2,564,926
House-furnishing goods, not elsewhere classified.	1929	904	19,163	639	2,730	15,794	16,866	7,580,280	16,150,499	76,624,989	127,602,002	50,977,013
	1927	548	13,958	442	1,825	11,691	12,997	4,787,552	10,947,259	52,704,736	87,676,606	34,971,870
	1919	467	10,010	417	1,740	7,853	11,857	3,770,328	6,443,915	30,793,062	60,211,804	29,417,842
Ice cream	1929	3,150	31,625	2,194	7,032	22,399	230,882	17,144,814	33,803,044	155,904,386	328,413,011	172,449,525
	1927	2,961	31,065	2,362	6,776	21,927	206,315	15,457,225	33,107,615	150,602,029	301,644,991	151,042,962
	1919	3,475	28,046	3,005	4,986	19,155	102,046	8,551,559	21,698,809	110,375,479	189,483,065	73,107,586
Ice, manufactured	1929	4,110	40,710	1,161	7,365	32,184	1,077,295	10,820,375	42,399,295	39,808,164	210,952,264	171,144,100
	1927	3,159	30,092	937	7,035	22,120	965,406	14,671,505	32,611,118	40,815,512	184,704,988	143,979,476
	1919	2,867	38,605	1,566	6,792	30,247	569,925	10,952,131	34,001,837	42,877,509	137,004,798	94,127,289
Ink, printing	1929	147	3,597	36	1,113	2,448	20,300	4,311,804	3,957,185	19,204,715	42,749,992	23,545,277
	1927	123	3,282	36	958	2,288	18,901	3,313,582	3,605,199	16,054,110	37,734,493	21,680,383
	1919	90	3,061	50	1,023	1,988	10,229	2,817,162	2,574,920	14,661,115	26,244,470	11,583,355
Ink, writing	1929	29	756	14	326	416	847	635,736	479,995	1,992,573	4,594,974	2,602,401
	1927	24	787	20	276	491	743	629,090	576,091	2,208,835	5,342,027	3,133,192
	1919	61	1,216	55	459	702	610	957,046	596,168	3,320,346	6,433,941	3,113,595
Instruments, professional and scientific.	1929	276	21,185	124	4,185	16,876	22,816	11,014,706	22,082,052	28,411,430	89,740,369	61,334,939
	1927	280	20,270	197	3,659	16,414	25,587	8,698,555	22,288,973	28,880,222	87,783,488	58,903,266
	1919	351	19,787	248	3,608	15,931	12,981	7,061,046	17,499,888	19,494,631	58,136,691	38,642,057
Iron and steel: Blast furnaces	1929	105	27,376	-------	2,416	24,960		6,846,369	41,958,569	610,293,691	771,425,464	161,131,773
	1927	116	30,514	-------	2,556	27,958		7,336,957	44,258,499	579,555,036	708,904,238	129,349,202
	1919	195	46,956	41	5,255	41,660	7,532,530	13,435,048	73,769,395	621,286,496	794,466,558	173,180,062
Iron and steel: Steel works and rolling mills.	1929	486	431,528	17	36,937	394,574	6,781,058	103,432,723	689,015,541	1,904,083,157	3,365,788,805	1,461,705,648
	1927	486	397,347	16	36,019	361,312	5,390,574	97,199,644	601,275,499	1,689,655,295	2,779,840,238	1,090,184,943
	1919	500	421,861	36	46,738	375,088		99,880,420	637,637,430	1,680,575,758	2,828,902,376	1,148,326,618
Iron and steel, processed	1929	46	692	15	166	511	2,210	570,218	878,459	1,088,672	3,865,480	2,776,808
	1927	33	331	15	85	231	1,716	218,823	392,273	509,690	1,443,289	933,599
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1929	21	444	17	36	391	642	88,627	424,783	517,325	1,260,426	743,101
	1927	22	357	25	38	294	599	85,296	320,752	328,007	911,342	583,275
	1919	44	991	45	104	842	879	217,750	734,932	1,293,876	2,816,530	1,522,654
Jewelry	1929	1,536	34,797	1,340	5,535	27,922	27,402	16,090,552	38,079,810	79,804,617	177,386,932	97,582,315
	1927	1,367	31,174	1,337	5,721	24,116	17,070	13,947,534	36,765,805	76,915,375	164,865,057	87,949,682
	1919	2,054	39,630	2,339	6,420	30,871	15,096	14,187,847	35,863,718	110,450,683	203,939,230	93,488,547
Jewelry and instrument cases	1929	113	2,680	101	310	2,269	1,503	982,466	2,472,880	3,324,459	8,826,727	5,502,268
	1927	107	2,825	88	331	2,406	1,440	856,461	2,597,056	3,293,986	8,810,065	5,516,079
	1919	142	3,166	146	286	2,734	1,075	669,120	2,147,648	3,505,840	8,126,300	4,620,460
Jute goods	1929	20	5,330	5	394	4,931	35,079	1,033,423	4,276,143	11,967,578	21,869,757	9,902,179
	1927	23	5,772	8	406	5,358	36,210	1,085,845	4,987,228	11,802,328	23,185,997	11,383,669
	1919	26	7,587	13	436	7,138	32,135	1,114,015	6,436,286	17,708,834	34,442,698	16,733,864
Knit goods	1929	1,888	223,340	823	14,029	208,488	181,879	42,846,788	210,714,335	456,700,958	899,716,672	443,015,714
	1927	1,869	204,232	980	12,969	190,283	177,216	34,569,194	188,163,458	424,099,384	816,620,494	392,521,119
	1919	2,050	186,673	1,488	12,613	172,572	149,438	32,326,582	125,199,820	427,095,560	713,139,689	286,044,120

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Labels and tags	1929	153	5,528	57	997	4,474	6,473	3,107,478	5,868,952	10,555,674	28,042,325	17,486,651
	1927	121	7,879	49	1,689	6,141	6,869	3,479,380	8,000,426	16,259,439	34,397,630	18,138,191
	1919	110	6,648	73	1,348	5,227	4,033	2,458,276	4,549,902	11,274,767	24,243,992	12,969,225
Lace goods	1929	42	7,604	4	836	6,854	10,466	2,809,867	7,070,122	10,112,353	29,237,434	19,125,081
	1927	43	7,250	16	752	6,482	11,309	2,213,902	7,584,848	11,392,379	27,298,159	15,905,780
	1919	44	7,196	8	698	6,490	9,078	2,024,441	6,086,557	13,075,994	29,396,853	16,320,859
Lapidary work	1929	100	741	112	123	506	474	396,877	1,001,706	8,234,889	11,942,421	3,707,532
	1927	92	782	101	134	547	513	366,197	1,220,647	9,133,059	12,351,503	3,218,444
	1919	124	1,469	147	167	1,155	680	698,643	2,837,811	19,363,004	30,051,460	10,688,456
Lasts and related products	1929	58	2,078	13	305	1,760	7,230	919,285	2,569,368	2,314,597	7,689,555	5,374,958
	1927	59	2,069	22	329	1,718	7,655	905,150	2,504,116	2,505,032	7,529,149	5,024,117
	1919	64	3,344	43	391	2,910	5,539	1,110,367	3,415,950	3,932,662	12,470,539	8,537,877
Leather goods, not elsewhere classified	1929	392	7,310	283	892	6,035	3,196	2,582,733	6,759,742	18,013,489	35,951,013	17,937,524
	1927	413	8,754	328	1,238	7,188	3,651	2,937,367	8,379,080	21,539,590	43,291,552	21,751,962
	1919	503	11,141	488	1,708	8,945	3,840	4,022,442	9,415,403	30,935,537	52,952,772	22,017,235
Leather: Tanned, curried, and finished	1929	471	54,316	93	4,291	49,932	220,660	15,649,249	63,413,707	337,507,868	481,340,299	143,742,431
	1927	494	57,487	103	4,400	52,924	220,530	13,856,133	67,887,231	331,984,736	494,255,838	162,271,102
	1919	680	79,292	308	6,418	72,476	217,761	20,178,972	88,205,473	646,521,527	928,591,701	282,070,174
Lime	1929	237	9,440	54	832	8,554	96,276	2,049,311	9,476,314	13,907,760	35,815,658	21,907,898
	1927	260	12,048	72	1,073	10,903	84,195	2,355,483	12,100,918	17,269,467	41,587,458	24,317,991
	1919	476	12,855	349	1,101	11,405	51,735	1,995,880	10,869,196	14,296,925	33,970,463	19,673,538
Linen goods	1929	16	2,410	-------	215	2,195	11,006	535,554	2,185,339	5,214,428	9,736,898	4,522,470
	1927	18	2,741	-------	211	2,530	11,473	617,486	2,545,210	5,409,441	10,377,346	4,967,905
	1919	10	2,070	-------	180	1,890	6,069	320,325	1,635,642	4,190,187	6,998,046	2,807,859
Linoleum	1929	7	6,804	-------	1,350	5,544	51,647	2,470,590	8,500,183	27,480,253	57,250,449	29,761,196
	[4] 1927	7	6,147	-------	783	5,364	41,432	1,757,082	8,176,644	24,215,618	47,442,441	23,226,823
Liquors, vinous	1929	24	254	13	55	186	1,188	282,393	277,963	668,857	2,447,912	1,839,055
	1927	13	242	5	87	150	999	294,211	177,073	1,296,217	2,692,856	1,486,639
	1919	342	1,661	364	286	1,011	5,189	1,370,088	1,013,898	8,115,841	17,454,194	9,338,353
Lithographing	1929	376	23,719	92	4,648	18,979	35,471	15,510,752	32,021,919	38,992,142	121,014,321	82,022,179
	1927	399	20,127	76	3,703	16,348	28,541	12,660,430	27,465,552	32,703,772	97,050,124	64,346,352
	1919	331	19,305	150	3,537	15,618	18,550	9,112,951	18,201,089	27,718,217	73,151,115	45,432,898
Locomotives, not made in railroad repair shops.	1929	16	12,851	5	1,801	11,045	98,482	5,519,672	17,994,078	52,808,092	83,858,258	31,050,166
	1927	17	14,611	-------	1,550	12,061	148,971	4,983,951	17,648,206	45,688,450	76,719,403	31,030,953
	1919	17	28,742	1	2,026	26,715	96,504	4,778,316	38,708,641	72,375,959	156,269,730	83,893,780
Lubricating oils and greases, not made in petroleum refineries.	[7] 1929	177	4,693	34	1,482	2,577	13,281	4,167,040	3,738,637	39,571,373	69,584,246	30,012,873
Lumber and timber products, not elsewhere classified.	1929	12,915	451,143	13,345	21,714	416,084	1,985,301	56,438,365	421,584,874	419,603,388	1,273,472,320	853,868,932
	1927	7,510	441,793	6,514	21,333	413,946	1,781,734	51,956,991	413,361,954	493,959,120	1,214,645,683	720,686,563
	1919	26,119	538,788	31,348	26,495	480,945	2,355,345	55,928,273	480,419,091	470,960,488	1,387,471,413	916,510,925
Macaroni, spaghetti, vermicelli, and noodles.	1929	353	6,341	377	892	5,072	24,448	2,302,756	5,384,353	27,336,126	47,074,230	19,738,104
	1927	353	5,884	425	872	4,587	21,406	2,096,262	5,070,936	27,433,792	45,353,200	17,919,408
	1919	557	6,226	687	996	4,543	16,693	1,707,351	4,168,009	25,109,951	37,057,198	11,947,247
Machine-tool accessories and small metal-working tools, not elsewhere classified.	[8] 1929	722	30,973	406	3,885	26,682	64,398	12,825,679	51,084,540	26,992,631	144,410,890	117,418,259
Machine tools	1929	280	56,298	42	8,865	47,391	141,778	24,493,039	76,410,237	64,284,022	244,578,088	180,204,066
	[6] *1927*	*288*	*36,124*	*55*	*6,686*	*32,383*	*125,420*	*18,274,636*	*47,403,335*	*43,151,428*	*145,854,021*	*102,703,409*
	1927	355	42,642	98	7,275	35,269	131,070	20,086,851	52,365,692	46,114,849	159,513,125	113,398,276
	1919	403	61,762	132	8,510	53,111	100,294	18,037,856	66,178,969	59,034,308	212,400,158	153,365,850
Malt	1929	28	742	1	151	590	18,098	613,682	1,056,759	18,923,749	23,602,938	4,679,189
	1927	23	628	4	124	500	15,390	451,886	904,429	17,186,759	20,274,172	3,087,422
	1919	55	1,713	8	353	1,352	27,483	1,017,501	1,845,210	31,612,707	39,340,414	7,727,707
Marble, granite, slate, and other stone products.	1929	1,881	45,258	1,525	5,916	37,817	305,915	18,495,849	63,040,364	57,637,838	192,163,916	134,526,078
	1927	1,978	48,201	1,694	6,033	40,474	295,174	16,719,146	68,490,055	66,328,248	201,181,281	134,853,033
	1919	4,240	42,214	4,774	4,672	32,768	169,177	8,760,854	38,354,822	49,524,341	129,164,653	79,640,312
Matches	1929	21	4,122	1	361	3,760	17,997	802,295	4,118,093	12,526,327	20,351,025	7,824,698
	1927	19	4,181	-------	276	3,905	17,607	557,164	4,130,988	11,884,075	24,905,835	13,021,760
	1919	21	5,126	3	1,397	3,726	12,947	1,805,905	3,059,537	6,852,970	18,495,876	11,642,906
Mats and matting, grass and coir	1929	7	523	4	52	467	1,293	145,975	439,802	684,951	1,692,200	1,007,249
	1927	7	478	3	53	422	1,425	115,991	398,426	668,856	1,536,567	867,711
	1919	12	1,173	7	93	1,073	1,670	229,644	810,607	2,102,580	4,860,855	2,758,275
Mattresses and bed springs, not elsewhere classified.	1929	951	20,544	688	2,669	17,187	50,554	7,013,752	22,583,835	61,527,026	123,279,717	61,752,691
	1927	838	16,821	615	2,725	13,481	32,937	7,003,802	16,886,711	52,182,075	98,834,558	46,652,483
	1919	1,041	16,244	983	2,624	12,637	23,387	5,558,348	12,805,361	49,208,560	83,952,609	34,744,049
Meat packing, wholesale	1929	1,277	146,717	863	23,349	122,505	524,989	54,733,864	165,867,420	2,974,127,757	3,434,654,098	460,526,341
	1927	1,250	144,224	886	24,244	119,095	489,576	54,641,992	161,583,827	2,663,740,403	3,057,215,718	393,475,315
	1919	1,304	197,392	1,071	35,325	160,996	358,522	59,085,365	200,489,263	3,782,929,533	4,246,290,614	463,361,081
Millinery	1929	1,293	38,155	782	5,167	32,206	10,176	15,898,015	42,715,059	98,089,659	195,693,457	97,603,798
	[4] 1927	1,148	39,499	843	5,345	33,311	7,920	14,020,920	46,787,735	103,480,714	209,404,828	106,005,114

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Persons engaged in the industry: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Minerals and earths, ground or otherwise treated.	[7]1929	88	2,053	7	367	1,679	39,117	1,202,305	2,187,923	8,937,883	17,409,056	8,471,173
Mirror and picture frames	1929	178	5,226	99	681	4,446	8,334	2,206,339	5,752,196	6,532,524	19,237,897	12,705,373
	1927	166	6,208	119	629	4,460	6,228	1,748,837	5,893,073	7,056,460	19,488,721	12,432,261
	1919	429	5,929	398	823	4,708	4,659	1,726,101	4,775,227	7,227,232	18,384,562	11,157,330
Mirrors, framed and unframed	1929	304	5,859	172	905	4,782	8,414	2,504,154	6,941,976	15,659,040	31,842,740	16,183,691
	1927	250	5,321	153	860	4,308	7,630	2,266,992	6,360,813	16,188,614	31,424,943	15,236,329
	1919	186	3,302	154	549	2,599	4,233	1,382,014	2,819,140	12,498,733	20,830,775	8,332,042
Models and patterns, not including paper patterns.	1929	804	8,484	684	1,022	6,778	12,378	3,212,408	13,233,622	5,314,350	30,621,074	25,306,715
	1927	693	7,100	725	791	5,584	11,465	2,320,654	10,544,604	4,659,266	23,494,992	18,835,726
	1919	928	8,860	1,078	833	6,949	13,750	1,908,116	10,318,104	6,395,834	25,300,389	18,904,555
Motion pictures, not including projection in theaters.	1929	142	19,639	37	8,818	10,784	49,732	60,167,520	24,860,092	38,441,025	184,102,419	145,661,394
	[4]1927	142	16,055	42	7,598	8,415	32,160	56,298,560	18,637,005	34,867,472	134,343,360	99,475,888
Motor-vehicle bodies and motor-vehicle parts.	1929	1,154	241,813	540	19,941	221,332	824,705	57,663,412	366,503,385	856,985,637	1,537,920,703	680,944,156
	1927	1,213	200,895	493	18,913	181,489	551,639	49,437,407	291,200,968	641,309,502	1,151,420,365	510,119,803
	1919	2,515	153,182	2,129	18,497	132,556	256,770	34,908,340	178,055,503	362,027,302	692,170,602	330,143,300
Motor vehicles, not including motorcycles.	1929	244	253,228	36	27,076	226,116	713,912	70,865,972	366,579,233	2,401,511,763	3,722,793,274	1,321,281,511
	1927	264	213,970	30	26,030	187,910	725,674	71,118,022	321,664,093	1,880,426,249	2,848,442,843	959,016,594
	1919	315	242,922	36	32,327	210,559	282,323	67,215,804	312,165,870	1,678,651,574	2,387,903,287	800,251,713
Motorcycles, bicycles, and parts	1929	[1]21	5,117	3	722	4,392	11,124	1,754,837	6,263,876	11,281,327	23,894,805	12,613,478
	1927	29	4,598	4	697	3,897	10,753	1,542,212	5,441,502	10,174,092	21,454,149	11,280,057
	1919	51	12,200	16	1,298	10,886	14,420	2,200,358	12,763,235	25,985,915	53,105,895	27,119,980
Mucilage, paste, and other adhesives, except glue and rubber cement.	1929	84	698	47	237	414	2,564	712,860	546,926	3,068,707	6,638,387	2,969,680
	[4]1927	80	885	42	341	502	2,219	817,712	679,468	4,270,361	7,945,403	3,675,042
Musical instrument parts and materials: Piano and organ.	1929	67	3,621	21	510	3,090	11,099	1,505,421	3,597,210	4,247,919	11,883,098	7,635,179
	1927	85	6,150	31	720	5,399	14,185	2,238,419	6,593,645	9,657,350	22,244,731	12,587,381
	1919	113	11,886	38	839	11,009	15,716	2,042,424	10,467,137	16,693,140	36,789,627	20,096,487
Musical instruments and parts and materials, not elsewhere classified.	1929	106	3,983	52	755	3,176	6,060	1,751,258	4,580,720	3,825,294	14,274,078	10,448,784
	1927	99	4,796	78	700	4,018	5,356	1,553,504	5,737,005	4,640,553	17,891,948	13,251,395
	1919	240	4,957	223	621	4,113	3,219	1,032,172	3,984,656	4,444,729	12,506,334	8,061,605
Musical instruments: Organs	1929	62	2,756	47	320	2,389	4,740	1,014,866	3,603,631	3,090,676	11,322,736	8,232,060
	1927	63	3,138	33	335	2,770	4,332	919,796	4,363,731	4,494,449	15,438,623	10,944,174
	1919	68	2,285	56	288	1,941	3,245	523,672	1,078,518	2,217,097	5,973,268	3,756,171
Musical instruments: Pianos	1929	81	11,101	9	1,122	9,970	27,103	3,357,717	14,000,826	18,866,437	42,501,375	23,634,938
	1927	124	18,343	18	1,743	16,582	29,725	4,484,298	23,890,846	33,898,668	75,490,681	41,592,013
	1919	191	25,760	33	2,770	22,957	28,697	6,397,666	25,474,200	54,364,656	107,088,050	52,723,394
Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills.	1929	55	2,413	10	376	2,027	9,006	1,045,014	2,553,417	5,955,661	12,854,745	6,899,084
	1927	56	2,483	25	358	2,100	8,073	989,111	2,670,016	5,156,906	11,753,468	6,596,562
	1919	65	3,941	32	554	3,355	8,971	1,177,235	3,397,562	8,874,747	17,583,344	8,708,597
Needles, pins, hooks and eyes, and snap fasteners.	1929	43	7,023	9	772	6,242	6,694	2,021,477	6,565,732	6,187,822	22,030,950	15,843,128
	1927	45	6,338	10	722	5,606	7,250	1,865,555	6,098,477	5,922,844	20,325,250	14,402,406
	1919	92	10,389	39	1,056	9,294	8,423	2,506,250	8,809,781	10,227,199	29,304,995	19,077,796
Nets and seines	1929	19	1,048	7	138	903	1,155	314,614	768,871	3,789,356	6,164,403	2,375,047
	1927	21	1,000	11	120	869	1,162	412,786	776,326	3,347,719	5,401,173	2,053,454
	1919	19	943	5	79	859	959	209,205	501,282	3,648,206	5,114,414	1,466,208
Nonferrous-metal alloys and products, not including aluminum products.	1929	1,225	92,005	604	12,218	79,183	506,273	34,513,121	116,943,996	600,410,013	999,804,050	399,393,137
	1927	1,197	76,790	672	10,195	65,923	411,925	28,406,186	95,351,041	378,190,134	581,568,767	203,378,633
	1919	1,252	90,877	824	11,541	78,512	277,713	26,401,152	98,286,207	367,752,118	559,455,010	191,702,892
Oil, cake, and meal, cottonseed	1929	553	19,039	34	3,180	15,825	284,395	6,732,607	11,203,227	249,019,800	298,376,039	49,356,239
	1927	547	21,665	59	3,172	18,434	270,500	6,713,857	14,258,555	220,038,437	276,338,488	56,300,051
	1919	711	32,193	145	5,282	26,766	289,981	9,935,717	20,615,193	495,192,294	581,244,798	86,052,504
Oil, cake, and meal, linseed	1929	29	2,949	2	232	2,715	31,101	637,214	4,097,712	101,562,787	119,926,867	18,364,080
	1927	33	3,029	5	306	2,718	28,273	924,430	4,324,938	97,750,350	111,543,845	13,793,495
	1919	26	2,751	4	574	2,173	17,621	1,409,403	3,052,269	100,577,538	120,638,100	20,060,562
Oils, essential	1929	22	367	8	94	265	1,804	306,143	325,881	3,804,228	6,653,353	2,849,125
	1927	14	225	7	49	169	758	189,726	258,036	3,427,334	4,641,861	1,214,527
	1919	78	493	74	98	321	1,833	228,790	391,213	3,903,417	5,608,403	1,704,986
Oils, not elsewhere classified	[7]1929	75	1,742	16	492	1,234	14,670	1,422,981	1,950,432	36,895,506	45,159,825	8,264,319
Oilcloth	1929	9	1,669	-------	257	1,412	5,017	625,157	2,144,067	14,924,651	23,107,272	8,182,621
	1927	8	1,264	-------	192	1,072	3,565	511,558	1,745,575	11,818,624	17,642,442	5,823,818
	1919	11	1,319	4	185	1,130	4,251	403,877	1,200,877	11,140,723	15,436,875	4,296,152
Oleomargarine, not made in meat-packing establishments.	1929	41	2,120	4	582	1,534	6,670	1,300,073	2,263,700	30,890,075	46,521,823	15,631,748
	1927	36	2,071	3	566	1,502	8,746	1,281,700	2,258,464	27,145,141	39,282,364	12,137,223
	1919	42	3,868	1	1,016	2,851	9,435	1,983,566	3,184,118	66,042,792	79,815,580	13,772,788
Optical goods	1929	117	11,243	55	1,487	9,701	15,626	4,205,251	12,633,047	11,859,128	40,562,459	28,703,331
	[4]1927	96	9,508	38	1,874	7,596	12,401	3,991,845	9,560,725	8,865,025	32,757,210	23,892,185

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Persons engaged in the industry: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Paints and varnishes	1929	1,063	42,333	234	12,888	29,211	180,315	38,033,085	42,244,095	334,132,005	568,975,838	234,843,773
	1927	1,006	40,953	258	12,634	28,061	163,187	33,310,287	40,184,732	307,724,370	519,009,842	211,285,472
	1919	830	34,030	208	12,225	21,507	84,827	20,522,628	24,118,159	217,112,372	340,346,803	123,234,431
Paper	1929	685	115,096	32	11,744	103,320	2,968,431	37,623,897	140,398,374	574,007,978	967,186,026	392,578,048
	[4]1927	710	109,141	38	10,537	98,566	2,642,806	33,618,509	130,474,739	572,785,538	919,891,465	347,105,927
Pulp (wood and other fiber)	1929	198	26,625	11	1,885	24,729		5,844,301	32,679,407	148,752,729	238,928,279	90,175,550
	[4]1927	219	26,896	7	2,095	24,794		5,963,432	31,527,358	151,325,425	218,198,201	66,872,776
Paper goods, not elsewhere classified	1929	436	24,618	103	4,288	20,227	67,145	12,835,089	23,810,118	100,368,676	182,647,712	82,279,036
	1927	340	17,870	99	2,934	14,837	42,955	8,638,956	17,765,281	78,796,895	140,947,815	62,151,010
	1919	308	17,177	124	2,918	14,135	35,369	6,741,607	12,666,924	65,205,484	107,284,759	41,989,275
Patent or proprietary medicines and compounds.	1929	1,522	26,120	462	9,224	16,434	44,538	25,560,155	18,780,980	94,769,833	318,906,928	224,137,095
	1927	1,282	24,107	633	8,463	15,071	34,082	21,362,430	16,667,425	84,640,850	278,242,929	193,602,079
	1919	2,467	31,970	1,048	12,878	17,444	25,409	24,736,212	13,748,813	88,819,417	212,162,255	123,342,838
Paving materials: Asphalt, tar, crushed slag, and mixtures.	[7]1929	126	2,876	15	486	2,375	30,393	1,336,764	3,730,867	13,588,502	29,275,369	15,686,867
Peanuts, walnuts, and other nuts, processed or shelled.	1929	169	8,546	49	564	7,933	16,193	1,137,676	3,079,740	39,520,486	49,608,894	10,079,408
	[4]1927	144	7,951	55	520	7,376	13,956	1,063,898	3,287,114	45,890,488	55,949,802	10,059,314
Pencils, lead (including mechanical)	1929	38	6,872	6	1,163	5,703	9,921	3,039,360	6,292,276	10,756,296	27,772,955	17,016,659
	1927	27	6,286	5	980	5,301	9,832	2,959,828	5,942,783	9,931,493	24,499,839	14,568,346
	1919	12	6,713	-------	743	5,970	8,699	1,684,427	5,299,050	9,073,563	24,134,159	15,060,596
Pens, fountain and stylographic; pen points, gold, steel, and brass.	1929	76	5,402	37	765	4,600	4,235	1,801,916	5,304,142	11,459,411	34,211,384	22,751,973
	1927	68	4,838	58	749	4,031	3,721	1,501,232	4,734,561	10,374,789	25,645,189	15,270,400
	1919	75	5,287	54	803	4,430	1,942	1,920,355	4,177,191	7,172,212	19,477,809	12,305,597
Perfumes, cosmetics, and other toilet preparations.	1929	815	19,495	266	6,120	13,109	12,150	16,107,298	13,762,961	58,298,879	193,440,550	135,141,671
	1927	705	16,250	375	5,412	10,463	10,431	12,593,978	10,965,985	52,765,346	161,245,659	108,480,313
	1919	569	9,446	373	3,668	5,405	2,196	6,430,011	3,083,016	26,147,026	59,613,391	33,466,365
Petroleum refining	1929	390	94,405	12	13,797	80,596	789,849	33,577,874	131,176,993	2,031,341,408	2,639,665,001	608,323,593
	1927	354	83,305	12	12,059	71,234	552,651	30,900,277	113,716,705	1,752,997,043	2,142,648,503	389,651,460
	1919	320	73,473	59	14,525	58,889	238,966	20,619,024	89,749,637	1,247,908,355	1,632,532,766	384,624,411
Phonographs	1929	50	16,098	4	2,278	14,416	38,483	4,447,958	17,825,855	37,323,137	96,849,048	59,525,911
	1927	60	16,358	14	2,128	14,216	48,507	4,686,543	20,176,208	37,467,711	95,296,137	57,828,426
	1919	166	33,826	43	5,062	28,721	40,163	8,687,568	33,963,148	59,740,205	158,547,870	98,807,665
Photo-engraving, not done in printing establishments.	1929	654	16,851	232	4,266	12,353	9,349	14,576,905	31,831,176	11,003,121	77,382,259	66,379,138
	1927	611	15,014	288	3,693	11,033	9,366	11,939,351	28,381,480	10,700,128	69,207,376	58,417,248
	1919	422	9,198	264	2,165	6,769	3,800	4,862,387	10,423,541	5,038,382	29,389,386	24,351,004
Photographic apparatus and materials.	1929	115	16,360	58	3,335	12,967	31,904	7,863,176	20,507,499	30,392,531	102,827,386	72,434,855
	1927	122	15,266	62	3,084	12,120	24,838	6,855,724	18,310,992	29,020,235	99,827,737	61,807,502
	1919	187	16,393	93	2,835	13,465	24,610	4,578,228	14,900,237	33,806,708	88,393,022	54,586,314
Pipes (tobacco)	1929	24	1,948	11	257	1,680	2,276	618,778	1,961,020	1,749,222	5,557,982	3,808,760
	1927	23	2,034	17	210	1,807	1,928	486,706	2,278,537	2,722,706	7,273,806	4,551,100
	1919	56	2,902	54	309	2,539	2,001	993,924	2,555,291	3,497,414	11,553,777	8,056,363
Planing-mill products (including general millwork), not made in planing mills connected with sawmills.	1929	4,849	100,864	2,703	16,967	90,134	677,998	46,030,495	116,422,664	296,008,499	553,583,498	257,574,999
	1927	4,561	115,081	2,360	16,732	96,589	630,674	42,460,620	126,189,713	321,443,318	581,633,737	260,190,419
	1919	5,309	106,481	4,430	16,095	85,956	417,070	28,536,340	91,976,526	299,205,052	500,438,258	201,172,606
Plated ware	1929	96	12,683	30	1,925	10,728	28,899	5,184,039	14,941,552	16,750,985	55,429,959	38,678,974
	1927	94	13,503	31	1,810	11,752	27,712	4,724,969	16,141,501	20,212,341	56,719,982	36,507,641
	1919	68	11,459	24	1,943	9,492	14,212	3,436,530	10,913,091	17,766,536	41,634,585	23,868,049
Plumbers' supplies, not including pipe or vitreous-china sanitary ware.	1929	255	31,353	50	3,343	27,960	100,821	9,300,680	37,066,997	49,032,599	129,673,784	80,641,185
	[4]1927	231	33,125	111	3,769	29,245	90,293	9,360,875	40,212,198	55,633,327	145,262,311	89,628,984
Pocketbooks, purses, and cardcases	1929	290	12,052	181	1,441	10,430	1,828	4,651,566	15,229,422	35,351,605	68,627,515	33,275,910
	1927	257	10,003	205	1,228	8,570	1,725	3,170,059	13,169,509	29,618,524	57,344,655	27,726,131
	1919	139	3,497	168	424	2,905	431	1,125,264	3,061,903	7,557,155	14,549,659	6,992,504
Pottery, including porcelain ware	1929	313	38,588	95	3,084	35,409	61,868	8,027,286	43,655,980	27,007,364	110,622,453	83,615,089
	1927	316	39,749	120	2,962	36,667	54,879	8,012,390	45,149,818	33,580,795	116,597,338	77,016,543
	1919	340	30,692	183	2,575	27,934	29,040	6,003,432	29,820,278	20,794,076	74,919,186	54,125,110
Poultry killing, dressing, and packing, wholesale.	[7]1929	485	9,361	207	1,385	7,769	13,500	2,584,579	7,284,558	106,865,506	130,161,230	23,295,724
Printing and publishing, book and job.	1929	12,712	204,901	7,859	46,393	150,649	211,448	125,134,513	251,576,692	266,749,365	1,006,656,768	739,907,403
	1927	11,466	195,826	9,137	44,342	142,347	194,718	111,106,906	241,810,478	253,056,059	920,251,123	667,195,064
	1919	13,108	171,701	12,196	36,097	123,408	131,544	65,880,364	141,850,722	211,384,064	599,191,610	387,807,546
Printing and publishing, music	1929	124	2,211	31	1,370	810	956	3,839,366	1,314,401	1,542,042	15,240,268	13,698,226
	1927	119	2,579	67	1,518	994	1,343	3,530,608	1,677,680	1,658,367	15,881,634	14,223,267
	1919	160	2,622	107	1,616	899	634	3,047,240	926,988	2,123,781	14,592,177	12,468,396
Printing and publishing, newspaper and periodical.	1929	11,524	277,672	5,274	142,738	129,660	332,184	318,201,762	253,399,075	391,737,705	1,738,208,892	1,346,561,187
	1927	10,973	257,770	7,285	131,086	119,399	286,234	279,224,917	231,150,683	409,813,880	1,585,075,512	1,175,261,632
	1919	17,362	228,630	14,570	93,679	120,381	194,074	143,850,528	144,348,173	300,385,187	924,152,878	623,767,691
Printing materials, not including type or ink.	1929	84	1,317	18	295	1,004	2,709	973,729	1,649,276	2,184,544	8,579,006	6,394,462
	1927	70	1,181	27	272	882	2,339	867,738	1,402,266	2,034,348	7,022,343	4,987,995
	1919	82	1,035	41	271	723	1,351	678,493	799,402	1,619,718	4,918,799	3,299,081
Pulp goods	1929	45	3,882	7	317	3,558	14,190	1,109,205	4,591,688	12,067,760	27,219,892	15,152,132
	[4]1927	44	3,602	4	602	2,996	13,839	1,787,490	3,782,927	11,375,407	23,950,127	12,574,720

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Pumps (hand and power) and pumping equipment.	1929	322	30,128	101	6,921	23,106	82,403	16,665,750	34,020,261	66,802,372	164,009,307	97,207,025
	1927	278	24,609	129	5,809	18,671	64,763	14,222,792	27,118,924	52,765,023	130,591,191	77,826,168
	1919	239	20,906	114	4,720	16,072	32,441	9,096,225	19,731,647	36,069,781	85,401,940	49,332,159
Rayon and allied products	1929	29	41,384	-------	2,278	39,106	195,844	5,768,565	44,697,129	33,334,753	149,546,107	116,211,354
	[4] 1927	19	27,696	-------	1,355	26,341	122,406	3,993,947	28,649,441	25,747,792	109,888,336	84,140,544
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment.	1929	188	11,535	78	1,673	9,784	28,493	4,662,178	13,181,656	26,451,148	60,483,314	34,032,166
	1927	165	11,259	74	1,634	9,551	24,216	4,518,892	12,617,121	25,094,718	58,163,054	33,068,336
	1919	122	6,994	72	1,136	5,786	13,029	2,551,322	5,809,351	11,948,972	26,048,808	14,099,836
Refrigerators, mechanical	1929	34	19,380	4	2,493	16,883	44,953	7,024,046	26,196,076	72,413,047	161,565,676	89,152,629
	[4] 1927	22	13,371	-------	2,086	11,285	32,551	6,166,278	17,712,666	42,651,262	96,513,649	53,862,387
Regalia, badges, and emblems	1929	77	2,161	43	361	1,757	1,105	902,513	1,824,590	3,227,236	7,027,214	4,699,978
	1927	76	2,191	42	474	1,675	1,015	1,001,950	1,766,438	3,018,948	7,691,253	4,672,305
	1919	115	2,919	90	696	2,223	1,321	951,095	1,806,383	4,287,055	9,395,470	5,108,415
Rice cleaning and polishing	1929	60	2,141	25	527	1,589	22,901	1,209,394	1,448,594	38,443,529	48,793,777	10,350,248
	1927	60	2,165	19	622	1,524	23,012	1,205,487	1,546,315	46,480,679	54,129,646	7,648,967
	1919	86	3,249	40	1,096	2,113	25,340	1,508,940	1,932,196	76,633,816	90,038,412	13,404,596
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.	1929	102	7,426	15	1,384	6,027	33,791	3,504,548	8,951,537	61,391,590	103,506,090	42,114,500
	1927	100	9,020	23	1,742	7,255	41,740	4,464,231	10,712,626	67,327,735	123,210,305	55,882,570
	1919	178	11,805	79	2,855	8,871	30,247	5,414,650	10,344,043	52,587,777	85,895,359	33,307,582
Rubber goods other than tires, inner tubes, and boots and shoes.	1929	412	46,565	105	6,234	40,226	295,452	16,509,835	50,278,617	114,074,244	244,745,737	130,071,493
	[4] 1927	385	43,009	101	6,015	36,893	270,539	15,047,026	45,930,934	117,776,651	230,781,250	113,004,599
Rubber tires and inner tubes	1929	91	96,240	5	12,981	83,263	463,257	31,097,602	127,081,975	429,606,971	770,176,890	340,569,919
	[4] 1927	100	95,422	4	17,162	78,256	451,724	40,430,162	120,063,854	499,220,642	869,688,063	370,467,421
Saddlery and harness	1929	260	4,243	216	688	3,339	4,698	1,473,907	3,713,728	13,834,124	23,338,555	9,504,431
	1927	264	5,111	211	877	4,023	4,908	1,659,780	4,541,398	16,526,180	27,356,244	10,830,064
	1919	1,823	14,863	1,946	2,506	10,411	8,205	4,380,685	10,849,066	52,442,907	83,713,010	31,270,103
Safes and vaults	1929	27	3,789	7	749	3,033	10,806	2,003,041	4,438,698	6,392,461	19,362,192	12,969,731
	[4] 1927	25	3,945	9	550	3,386	9,688	1,301,864	4,494,407	7,226,205	18,439,550	11,213,255
Salt	1929	58	6,216	2	756	5,458	57,711	2,044,673	6,735,484	14,187,797	37,868,697	23,680,900
	1927	58	6,823	8	854	5,961	55,928	2,352,424	7,117,454	14,664,126	34,329,236	19,665,110
	1919	86	7,682	40	1,147	6,495	42,051	2,556,086	7,353,420	16,027,791	37,513,821	21,486,030
Sand-lime brick	1929	40	707	4	137	566	7,346	370,381	776,202	944,534	2,970,923	2,026,389
	1927	45	941	8	143	790	8,598	373,340	1,051,495	1,157,965	3,616,456	2,458,491
	1919	32	600	3	93	504	4,358	135,773	501,854	675,402	1,663,052	1,087,650
Sandpaper, emery paper, and other abrasive paper and cloth.	1929	11	1,817	1	588	1,228	6,027	1,613,018	1,739,544	8,375,277	17,218,590	8,843,313
	1927	10	1,331	1	413	917	2,834	1,127,893	1,228,420	5,470,629	12,232,064	6,761,435
	1919	12	1,102	3	328	771	3,977	744,282	840,766	5,060,561	9,303,734	4,243,173
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.	1929	681	7,794	678	1,219	5,897	25,755	3,637,162	8,850,172	81,371,687	108,246,194	26,874,507
	1927	505	6,598	493	1,108	4,967	19,980	2,959,017	7,463,077	60,215,599	81,548,299	21,332,700
	1919	633	4,994	704	819	3,471	12,671	1,463,437	4,679,118	43,940,356	56,610,092	12,669,736
Saws	1929	81	5,117	40	940	4,137	11,894	2,274,313	5,727,416	6,884,331	22,614,958	15,730,627
	1927	77	5,179	45	952	4,182	14,526	2,118,981	5,753,856	7,674,394	22,627,900	14,953,506
	1919	112	6,704	83	1,111	5,510	15,046	2,306,725	6,280,807	11,792,224	31,460,557	19,668,333
Scales and balances	1929	59	5,214	31	1,065	4,118	9,738	2,849,331	5,995,475	7,438,190	30,381,424	22,943,234
	1927	60	5,020	32	1,082	3,906	8,786	2,430,583	5,460,742	7,463,927	24,665,442	17,201,515
	1919	79	6,821	38	1,351	5,432	7,441	2,265,970	6,533,978	6,993,682	20,641,038	13,647,356
Screw-machine products and wood screws.	1929	273	22,454	106	2,467	19,881	64,849	8,065,349	28,986,694	39,462,568	105,974,662	66,512,094
	1927	218	15,575	82	1,803	13,690	43,468	4,824,921	18,055,095	25,910,223	60,020,261	34,110,038
	1919	154	17,060	71	1,838	15,151	31,281	3,887,889	16,969,393	20,535,431	55,475,042	34,939,611
Sewing machines and attachments	1929	39	12,189	19	1,703	10,467	29,059	3,019,859	14,976,182	16,458,425	45,094,600	28,636,175
	[4] 1927	35	11,776	12	1,767	9,997	31,286	3,602,875	13,748,151	14,072,579	39,723,822	25,651,243
Ship and boat building, steel and wooden, including repair work.	1929	624	61,369	345	5,935	55,089	337,455	15,717,446	88,274,153	85,848,690	231,309,165	145,451,475
	1927	559	60,831	337	5,480	55,014	314,474	14,006,996	87,081,444	78,626,391	211,127,067	132,500,676
	1919	1,075	413,236	816	24,074	387,446	553,271	65,114,494	597,446,648	710,522,676	1,622,361,261	911,838,585
Shirts	1929	863	63,854	530	3,494	59,830	17,040	8,140,844	43,428,224	116,678,496	228,321,616	111,643,120
	1927	907	62,350	611	4,523	57,216	14,916	9,095,000	42,997,827	129,743,737	241,649,939	111,906,202
	1919	896	45,274	949	4,722	39,603	14,890	9,820,355	25,833,855	127,087,745	205,327,133	78,239,388
Shortenings (not including lard) and vegetable cooking oils.	1929	40	3,487	-------	775	2,712	36,047	1,719,996	3,003,946	139,030,964	154,553,197	15,522,233
	[4] 1927	33	3,190	4	531	2,655	33,462	1,288,472	2,024,371	137,078,600	148,468,076	11,389,476
Signs and advertising novelties	1929	1,239	25,716	597	5,119	20,000	19,627	13,126,635	27,900,605	35,701,412	118,044,157	82,342,745
	1927	813	22,071	601	4,563	16,907	15,325	10,411,959	24,044,389	30,802,294	98,481,024	67,588,730
	1919	779	14,832	624	3,776	10,432	7,714	6,631,470	9,715,216	16,071,924	43,343,093	27,271,169
Silk and rayon manufactures	1929	1,491	139,039	721	7,851	130,467	220,225	23,093,437	137,547,146	412,181,266	731,200,231	319,018,971
	1927	1,648	136,978	920	8,415	127,643	221,249	21,920,553	140,053,588	445,390,676	750,123,705	304,733,029
	1919	1,369	136,775	1,011	8,982	126,782	173,748	26,370,962	108,226,330	388,469,022	688,469,523	300,000,501
Silversmithing and silverware	1929	83	6,091	47	1,037	5,007	7,325	2,516,311	7,636,413	10,134,708	30,452,366	20,317,658
	1927	84	6,068	72	1,029	4,967	7,490	2,315,082	7,803,183	11,165,068	30,704,218	19,539,150
	1919	99	7,599	58	1,088	6,453	6,843	2,329,514	7,359,409	13,060,929	29,126,133	16,065,204

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Persons engaged in the industry: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Smelting and refining, copper	1929	26	16,537	-------	1,993	14,544	412,244	5,567,743	23,951,955	920,351,441	994,783,862	74,432,421
	1927	26	15,690	-------	1,766	13,924	323,790	3,943,652	20,581,865	527,763,711	609,299,017	81,535,306
	1919	34	19,654	-------	2,309	17,345	321,610	5,896,345	25,723,371	584,410,173	651,101,591	66,691,418
Smelting and refining, lead	1929	19	5,690	-------	871	4,819	59,936	2,206,453	7,577,094	203,913,730	232,115,009	28,201,279
	1927	18	6,168	-------	770	5,398	48,298	1,715,941	7,689,680	202,859,134	225,137,872	22,278,738
	1919	25	7,354	1	915	6,438	49,668	2,101,786	9,179,615	179,373,646	196,794,519	17,420,873
Smelting and refining, metals other than gold, silver, or platinum, not from the ore.	1929	106	4,991	36	821	4,134	18,174	3,223,763	5,574,322	83,444,918	105,882,655	22,437,737
	1927	102	3,517	47	694	2,776	11,989	2,244,024	4,280,291	68,894,494	80,770,546	11,876,052
	1919	81	2,793	53	573	2,167	7,921	1,571,130	3,093,140	40,675,880	50,246,088	9,570,208
Smelting and refining, zinc	1929	30	12,701	-------	1,083	11,618	123,901	3,043,505	17,710,270	74,760,088	118,901,070	44,140,982
	1927	25	12,058	-------	870	11,188	93,067	2,463,481	16,528,264	76,619,331	108,297,975	31,678,644
	1919	39	14,903	-------	1,107	13,796	73,604	2,461,469	17,783,278	70,014,728	104,122,938	34,108,210
Soap	1929	282	19,137	86	4,688	14,363	65,856	11,503,662	18,994,656	180,352,684	310,191,530	129,838,546
	1927	256	17,681	90	4,159	13,432	62,025	9,766,393	19,715,931	172,244,130	287,059,935	114,815,805
	1919	348	28,919	183	8,300	20,436	33,700	14,171,851	21,228,063	238,518,858	316,740,115	78,221,257
Soda-water apparatus	1929	54	3,624	21	839	2,764	5,271	2,186,822	3,921,538	10,489,871	24,509,783	14,019,912
	1927	48	3,518	13	667	2,838	5,042	1,677,576	4,222,944	10,390,971	23,929,068	13,538,097
	1919	66	3,448	43	806	2,599	4,131	1,380,385	3,232,398	6,620,868	15,185,370	8,558,502
Sporting and athletic goods, not including firearms or ammunition.	1929	242	12,739	111	1,835	10,793	18,039	4,530,710	13,135,484	24,482,236	58,288,728	33,806,492
	1927	188	11,332	90	1,553	9,689	13,484	3,516,550	11,595,480	19,393,661	44,942,778	25,549,117
	1919	188	7,490	143	935	6,412	6,780	1,605,097	5,752,903	11,969,388	23,839,991	11,870,603
Springs, steel, except wire, not made in plants operated in connection with rolling mills.	1929	86	6,675	12	821	5,842	24,318	2,654,594	9,313,927	25,372,478	46,672,319	21,299,841
	1927	94	6,711	20	938	5,753	22,203	2,003,528	8,912,961	24,598,568	43,820,633	19,222,065
	1919	112	10,401	55	1,365	8,981	16,560	3,544,680	11,157,874	28,019,180	51,479,535	23,460,355
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.	1929	582	46,052	164	5,888	40,000	98,184	17,625,920	50,091,700	87,630,495	204,366,134	116,666,639
	1927	476	35,615	200	4,562	30,853	73,619	12,094,326	38,172,046	68,880,269	150,936,053	82,055,784
	1919	433	40,700	218	5,245	35,237	52,767	10,501,932	35,902,259	66,628,109	147,069,783	80,441,674
Stationery goods, not elsewhere classified.	1929	203	13,428	63	2,287	11,078	11,523	6,229,513	12,429,726	32,177,887	74,062,047	41,884,160
	1927	194	11,096	65	2,044	8,987	8,891	4,453,213	9,791,788	27,016,348	56,987,490	29,971,142
	1919	223	14,535	130	3,144	11,261	8,342	6,582,175	9,577,867	28,160,239	58,363,244	30,203,005
Statuary and art goods, factory product.	1929	171	2,681	176	393	2,112	1,539	1,196,213	4,235,907	2,044,955	10,045,159	8,000,204
	1927	136	2,470	124	318	2,028	1,137	1,130,189	4,403,742	2,414,919	10,187,247	7,772,328
	1919	195	1,906	233	207	1,466	682	354,837	1,716,067	1,378,540	5,019,521	3,640,981
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.	1929	171	8,713	55	1,392	7,266	30,881	4,132,547	9,660,414	21,596,489	45,433,135	23,836,646
	1927	159	7,568	89	1,533	5,946	29,810	4,237,064	7,904,603	19,794,205	43,044,501	23,250,296
	1919	169	7,761	72	1,542	6,147	26,755	3,262,877	7,103,275	22,724,561	40,524,779	17,800,218
Steam fittings and steam and hot-water heating apparatus.	1929	240	45,945	25	6,299	39,621	137,330	16,527,334	58,974,874	72,708,268	228,310,254	155,601,986
	1927	232	49,599	38	6,668	42,893	132,723	17,012,494	64,851,149	76,835,267	225,158,390	148,323,123
	1919	261	43,804	73	7,105	36,626	67,494	12,461,708	45,742,525	72,016,393	160,285,488	88,269,095
Steel barrels, kegs, and drums	1929	53	4,674	8	556	4,110	15,289	1,896,232	5,769,097	21,946,559	37,825,027	15,878,468
	1927	39	3,353	9	491	2,853	11,229	1,404,524	3,985,629	14,735,518	24,104,669	9,369,151
	1919	33	3,967	11	634	3,322	10,554	1,463,977	4,435,444	15,151,210	24,942,650	9,791,440
Stereotyping and electrotyping, not done in printing establishments.	1929	230	7,941	68	1,386	6,487	21,347	4,852,832	13,770,676	6,546,881	35,617,297	29,070,416
	1927	197	5,722	80	1,140	4,502	16,888	3,436,110	10,272,775	4,676,853	25,549,214	20,872,361
	1919	171	4,623	85	874	3,664	9,498	2,029,906	5,002,545	4,234,479	15,919,014	11,684,535
Stoves and ranges (other than electric) and warm-air furnaces.	1929	609	54,813	166	8,031	46,616	113,100	21,946,123	65,146,509	100,747,049	271,747,009	170,999,960
	1927	564	53,459	171	8,108	45,180	100,009	21,131,508	64,327,405	93,095,971	258,285,829	165,189,858
	1919	588	51,931	238	8,260	43,433	60,698	17,597,247	53,899,963	79,275,286	201,509,992	122,234,706
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills.	1929	1,482	69,337	732	13,658	54,947	266,175	36,081,519	87,785,606	244,696,254	477,036,827	232,340,573
	1927	1,284	65,902	778	12,732	52,392	251,670	35,659,878	84,578,048	243,446,072	440,376,360	196,930,288
	1919	1,146	56,205	721	11,522	43,962	165,179	23,116,282	59,920,132	168,800,715	294,962,419	126,161,704
Sugar, beet	1929	82	8,943	-------	1,447	7,496	146,393	2,708,026	10,020,743	70,960,908	108,552,581	37,591,673
	1927	70	8,872	-------	1,470	7,402	142,023	3,014,775	9,709,969	79,016,770	104,026,584	25,009,814
	1919	85	14,190	1	2,408	11,781	127,394	4,427,956	15,908,118	87,029,144	149,155,892	62,126,748
Sugar, cane, not including products of refineries.	1929	70	2,745	22	404	2,319	66,779	459,516	1,642,463	12,222,558	18,325,792	6,103,234
	1927	53	1,225	21	233	971	45,705	202,710	639,154	5,830,411	8,009,120	2,178,709
	1919	202	7,045	166	779	6,101	101,850	1,665,448	4,009,369	44,143,416	57,741,320	13,597,904
Sugar refining, cane	1929	21	15,059	4	1,743	13,912	98,637	4,559,528	17,850,403	438,399,151	507,389,262	68,990,111
	1927	21	15,742	-------	1,746	13,996	86,979	4,645,827	17,707,257	551,594,278	597,445,632	45,851,354
	1919	20	20,921	6	2,713	18,202	52,541	5,442,187	22,710,464	662,143,981	730,986,706	68,842,725
Surgical and orthopedic appliances, including artificial limbs.	1929	363	10,372	214	2,248	7,910	13,407	5,722,067	8,921,668	36,004,844	71,607,119	35,602,275
	1927	335	9,543	216	2,017	7,310	9,662	4,540,779	8,371,278	30,763,598	60,623,497	29,859,899
	1919	445	10,073	373	2,639	7,061	13,239	4,637,980	6,878,668	22,988,608	46,805,266	23,817,198
Suspenders, garters, and other elastic woven goods, made from purchased webbing.	1929	91	4,955	75	539	4,341	1,180	1,439,296	3,071,030	17,905,748	30,473,169	12,567,421
	[4] 1927	91	4,915	88	766	4,061	983	2,207,076	3,529,147	16,259,683	26,985,376	10,725,693
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1929	126	3,162	34	709	2,419	22,575	2,805,779	3,113,617	25,335,629	39,836,035	14,500,406
	1927	122	3,249	28	807	2,414	20,172	2,517,609	2,971,477	23,073,925	35,677,033	12,603,108
	1919	144	5,205	59	804	4,342	34,295	2,320,914	4,734,614	34,592,698	53,744,283	19,151,585

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	Dollars	Dollars	Dollars	Dollars
Textile machinery and parts	1929	376	31,494	231	4,244	27,019	66,539	12,660,745	37,836,406	36,556,299	122,438,514	85,882,215
	1927	367	30,438	218	4,066	26,154	64,532	10,917,207	36,481,196	36,180,680	116,921,130	80,740,441
	1919	432	36,126	354	3,949	31,823	41,744	8,098,770	36,528,729	45,636,628	122,089,264	76,452,636
Theatrical scenery and stage equipment.	1929	55	757	30	180	547	618	727,710	992,133	2,098,498	5,507,827	3,409,329
	1927	39	752	26	165	561	998	533,817	1,370,971	2,330,377	5,745,472	3,415,095
	1919	17	230	6	75	149	104	138,021	237,603	504,655	1,067,033	562,378
Tin and other foils, not including gold foil.	1929	7	1,998	-------	288	1,710	18,642	1,177,614	1,856,371	13,548,399	20,954,849	7,406,450
	[4]1927	10	1,870	-------	221	1,658	18,770	580,716	2,083,578	15,350,016	20,951,679	5,601,663
Tin cans and other tinware, not elsewhere classified.	1929	232	35,312	58	3,757	31,497	77,332	8,288,015	38,173,246	194,986,803	296,901,426	101,914,623
	1927	236	33,118	62	3,335	29,721	64,005	7,399,133	35,009,822	169,421,340	253,478,691	84,057,351
	1919	301	38,958	177	4,395	34,386	30,234	8,209,888	34,493,399	165,170,736	233,964,000	68,793,264
Tobacco: Chewing and smoking, and snuff.	1929	152	11,081	117	1,053	10,311	15,467	3,281,688	8,955,451	72,494,329	179,332,951	106,838,622
	1927	159	14,648	109	1,314	13,125	16,566	3,520,768	10,661,420	85,310,438	198,244,677	112,934,230
	1919	365	22,468	325	3,819	18,324	18,893	6,918,491	12,674,736	130,270,388	239,270,718	109,000,330
Tools, not including edge tools, machine tools, files, or saws.	1929	534	23,102	279	3,518	19,305	65,965	9,744,359	25,808,289	32,110,507	99,462,032	67,351,525
	[5]1927	405	19,504	227	2,830	16,447	57,024	6,342,965	20,941,443	28,057,884	76,607,237	48,549,353
	1927	657	30,246	370	4,644	25,232	85,963	11,641,300	34,464,964	37,056,684	117,430,624	80,373,940
	1919	1,125	44,142	856	7,701	35,585	67,730	12,608,796	43,336,069	45,796,967	144,201,668	98,404,701
Toys (not including children's wheel goods or sleds), games, and playground equipment.	1929	476	19,433	283	2,490	16,660	25,642	6,775,783	17,660,673	29,981,527	74,828,981	44,847,454
	1927	397	17,020	222	2,060	14,738	19,028	5,307,402	15,543,383	25,805,418	63,955,706	38,150,288
	1919	541	16,483	469	1,813	14,201	14,423	3,562,480	11,847,277	19,841,498	45,656,803	25,815,305
Trimmings (not made in textile mills) and stamped art goods for embroidering.	[7]1929	639	9,826	406	1,426	7,934	3,068	3,786,252	9,761,881	20,783,226	45,179,933	24,396,707
Trunks, suitcases, and bags	1929	407	13,383	314	1,710	11,359	10,220	4,925,638	13,756,701	31,693,935	63,968,020	32,274,094
	1927	495	12,512	415	1,752	10,345	9,001	4,506,702	13,034,687	29,128,235	59,958,681	30,830,446
	1919	597	14,216	601	2,145	11,470	7,699	5,271,777	12,463,767	33,222,432	63,932,266	30,709,834
Turpentine and rosin	1929	1,183	43,224	1,484	1,583	40,157	1,995	1,941,210	15,036,175	10,293,954	36,281,632	25,987,678
	1927	1,149	40,876	843	2,120	37,913	3,211	2,015,681	16,953,054	12,173,394	39,902,971	27,729,577
	1919	1,191	31,093	1,460	1,566	28,067	2,276	2,242,856	16,972,881	13,929,888	53,051,204	39,121,406
Type founding	1929	19	540	12	61	467	1,218	160,502	556,051	648,114	2,603,619	1,955,505
	1927	19	611	11	75	525	1,230	180,426	658,381	749,085	2,683,704	1,934,619
	1919	23	870	11	49	810	845	77,151	867,517	943,245	2,089,757	1,146,512
Typewriters and parts	1929	26	18,410	1	1,464	16,945	23,383	3,336,503	22,319,327	7,248,601	61,857,615	54,609,014
	[4]1927	26	17,224	2	1,619	15,603	14,653	2,939,184	19,397,911	9,936,079	55,318,864	45,382,785
Umbrellas, parasols, and canes	1929	141	3,461	127	479	2,855	3,669	1,191,701	2,768,410	10,907,373	17,994,376	7,087,003
	1927	164	4,086	164	614	3,308	2,411	1,305,419	3,411,261	14,029,984	23,156,400	9,136,416
	1919	198	4,173	232	573	3,368	3,357	1,635,828	3,139,662	15,632,989	25,308,826	9,675,837
Upholstering materials, not elsewhere classified.	1929	53	1,624	31	183	1,410	3,915	612,789	1,317,371	7,046,334	11,234,192	4,187,858
	1927	39	1,273	22	171	1,080	4,482	541,076	1,162,456	6,556,100	9,672,800	3,116,697
	1919	51	1,778	41	180	1,557	4,338	460,100	1,379,633	4,794,722	8,694,295	3,899,573
Vinegar and cider	1929	172	1,367	105	283	979	8,674	629,042	1,021,581	6,016,029	10,450,332	4,434,303
	1927	158	1,550	112	315	1,123	7,562	685,625	1,235,996	5,868,241	10,755,246	4,897,005
	1919	720	3,333	724	628	1,981	17,943	1,168,017	2,047,469	15,558,525	24,722,610	9,164,085
Wall paper	1929	56	5,421	1	715	4,705	12,740	2,550,885	5,731,932	13,480,205	30,007,649	16,527,444
	1927	58	5,638	1	826	4,811	13,343	2,287,981	5,981,451	14,612,415	30,059,153	15,446,738
	1919	46	5,098	3	833	4,262	8,123	1,767,335	3,882,396	13,152,503	23,047,901	9,895,398
Wall plaster, wall board, insulating board, and floor composition	1929	236	8,994	43	1,489	7,462	142,354	3,640,261	10,180,391	28,312,628	70,662,746	42,350,118
	[4]1927	221	11,899	36	1,849	10,014	116,230	4,423,677	14,411,777	31,998,385	83,856,008	51,857,623
Washing machines, wringers, driers, and ironing machines, for household use.	1929	65	9,911	9	1,713	8,189	26,732	4,722,829	12,071,916	40,707,373	82,329,924	41,622,551
	1927	75	9,453	29	1,635	7,789	20,697	3,756,639	10,950,046	34,528,335	70,244,407	35,716,072
	1919	105	7,555	40	1,559	5,956	8,816	2,752,083	6,431,378	23,388,925	40,771,285	17,382,360
Waste	1929	136	4,581	79	597	3,905	18,592	2,084,732	3,316,344	25,633,015	36,013,705	10,380,690
	1927	118	4,077	86	497	3,494	14,529	1,599,340	2,852,971	23,049,393	33,377,276	10,327,883
	1919	98	3,331	65	456	2,810	11,837	1,279,684	2,224,872	22,719,612	30,683,825	7,964,213
Watch and clock materials and parts, except watchcases.	1929	17	361	11	39	311	197	92,276	287,079	256,984	930,837	673,853
	1927	17	405	12	68	415	210	110,423	407,345	315,486	1,309,303	993,817
	1919	27	678	24	72	582	252	115,001	412,820	549,521	1,341,697	792,176
Watchcases	1929	40	3,944	23	517	3,404	5,581	1,325,805	4,626,111	4,631,225	13,491,045	8,859,820
	1927	40	3,966	22	584	3,360	4,121	1,472,544	4,326,393	5,310,674	13,724,703	8,414,029
	1919	33	4,587	15	672	3,900	4,275	1,316,735	4,000,727	8,205,754	19,618,773	11,413,019
Watches and watch movements	1929	8	11,635	-------	897	10,738	10,146	1,752,497	12,981,115	10,455,921	34,370,399	23,914,478
	1927	11	12,985	3	790	12,192	9,357	1,519,979	15,090,229	5,871,384	32,278,362	26,406,978
	1919	18	16,862	3	961	15,888	7,202	1,697,030	16,598,896	6,392,562	32,044,299	25,651,737
Whips	1929	8	70	6	7	57	82	7,520	47,714	80,303	224,219	143,916
	1927	7	104	6	8	90	252	9,821	89,365	175,756	310,303	134,547
	1919	26	912	26	169	717	853	431,518	582,230	1,096,642	2,986,285	1,889,643
Windmills and windmill towers	1929	15	1,845	3	288	1,554	4,491	834,349	2,144,582	3,571,539	8,640,265	5,068,726
	1927	16	1,641	5	281	1,355	3,608	689,842	1,881,520	3,233,593	7,514,149	4,280,556
	1919	31	2,383	10	441	1,932	4,686	794,380	2,145,301	4,960,426	9,932,585	4,972,159

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS, BY INDUSTRIES, FOR THE UNITED STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees [1]	Wage earners (average for the year)	Horsepower	Salaries [1]	Wages	Cost of materials, containers for products, fuel, and purchased electric energy [2]	Value of products [2]	Value added by manufacture [3]
								Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Window and door screens and weather strip.	1929	280	5,055	192	829	4,034	14,034	2,416,318	4,957,661	10,512,746	24,451,700	13,938,954
	1927	214	4,573	134	778	3,661	11,520	1,994,342	4,805,657	9,303,082	22,643,361	13,339,379
	1919	214	2,782	197	406	2,179	7,515	825,868	2,046,768	4,807,389	10,932,857	6,035,468
Window shades and fixtures	1929	482	5,081	205	978	4,708	8,389	2,404,744	5,623,588	19,785,350	36,964,694	17,179,344
	1927	386	6,075	358	984	4,733	8,679	2,380,879	5,855,781	21,065,474	37,081,937	16,016,463
	1919	287	5,494	258	825	4,411	8,946	1,773,867	3,669,286	18,249,540	29,190,649	10,941,109
Wire, drawn from purchased bars or rods.	1929	81	25,024	3	2,554	22,467	150,620	6,979,078	35,110,335	126,182,429	213,997,410	87,814,981
	1927	73	22,222	9	2,347	19,866	152,574	6,201,089	30,038,209	128,002,414	190,709,790	62,617,376
	1919	66	22,236	13	2,482	19,741	119,301	5,454,406	29,289,667	102,813,591	162,151,236	59,337,645
Wirework, not elsewhere classified	1929	547	25,003	294	3,221	22,388	48,864	9,588,683	27,012,231	68,144,047	146,805,049	78,661,002
	1927	512	25,448	274	3,477	21,697	45,858	9,436,300	26,439,144	63,093,221	128,535,783	65,442,562
	1919	558	18,340	457	2,659	15,224	29,036	6,078,557	15,505,992	50,754,070	90,549,245	39,795,175
Wood distillation and charcoal manufacture.	1929	91	5,223	9	566	4,648	25,509	1,479,926	5,293,240	14,791,111	29,593,672	14,802,561
	1927	88	5,115	13	565	4,537	16,833	1,421,379	4,739,153	15,422,575	27,630,487	12,207,912
	1919	156	5,907	58	694	5,155	15,320	1,309,475	5,405,761	20,319,073	33,134,732	12,814,759
Wood preserving	1929	199	14,407	7	1,413	13,077	57,913	3,621,564	14,039,973	147,702,724	190,944,645	43,241,921
	1927	193	13,725	5	1,461	12,259	50,606	3,209,771	13,725,557	141,554,898	184,557,640	43,002,742
	1919	73	4,615	1	636	3,978	16,104	1,203,239	4,342,277	23,241,858	33,239,313	9,997,455
Wood turned and shaped and other wooden goods, not elsewhere classified.	1929	894	21,499	587	2,200	18,712	88,398	5,566,664	18,616,688	28,428,563	69,619,990	41,191,427
	1927	748	18,209	443	1,829	15,937	77,425	4,376,124	16,333,285	26,063,907	60,530,005	34,466,098
	1919	967	19,910	885	1,033	17,992	65,596	3,403,734	14,968,916	26,782,508	56,640,400	29,857,832
Woolen goods	1929	460	62,645	115	4,056	58,474	195,247	13,815,454	66,013,599	165,882,063	290,938,949	125,056,886
	1927	471	65,509	149	3,570	61,790	191,703	12,069,574	72,156,158	172,700,233	301,308,743	128,608,510
	1919	560	67,020	258	3,805	62,957	172,191	13,141,096	66,595,826	217,905,333	364,896,590	146,931,257
Wool pulling	1929	18	675	7	72	596	1,847	251,871	907,278	10,916,994	13,648,064	2,731,070
	1927	18	608	14	70	524	2,403	191,328	768,990	12,466,056	14,640,401	2,174,345
	1919	24	839	23	111	705	2,162	283,208	999,788	12,899,592	17,361,231	4,551,639
Wool scouring	1929	21	1,496	2	192	1,302	8,241	624,397	1,770,974	3,021,731	6,241,264	3,219,533
	1927	25	1,581	7	188	1,386	7,935	491,440	1,981,774	3,009,956	6,661,994	3,652,038
	1919	33	2,407	9	221	2,177	9,710	727,174	2,896,453	7,228,350	13,679,584	6,451,234
Wool shoddy	1929	50	2,057	17	278	1,762	15,940	1,017,154	2,109,374	10,126,717	15,344,978	5,218,261
	1927	55	1,950	35	236	1,679	15,353	810,350	1,916,195	7,980,875	12,596,726	4,615,851
	1919	78	2,956	64	326	2,566	16,567	1,017,223	2,653,169	16,076,315	23,254,308	7,178,083
Worsted goods	1929	264	93,763	53	5,225	88,485	372,536	16,322,297	98,137,732	336,649,459	536,067,399	199,417,940
	1927	288	97,456	62	4,823	92,571	364,422	15,894,253	101,665,747	329,407,609	516,669,556	187,261,947
	1919	292	109,372	129	5,413	103,830	294,028	17,840,660	101,512,855	447,620,350	700,537,482	252,908,132
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills.	1929	50	12,830	3	1,410	11,417	68,630	4,395,003	18,762,303	70,120,941	124,658,966	54,538,025
	1927	44	12,200	6	1,111	11,083	53,938	3,514,435	16,066,001	55,778,864	98,186,341	42,407,477
	1919	50	11,783	13	1,344	10,426	23,925	2,854,926	14,019,676	51,155,653	81,869,115	30,713,462

[1] Data for employees of central-administrative offices included in the figures for 1919 but not in those for 1927 or 1929. The number of such employees, as reported for 1929, was 208,363, and their compensation amounted to $600,437,331. The corresponding data for 1919 can not be segregated, and no such data were collected for 1927.

[2] The aggregates for cost of materials and value of products include large but indeterminable amounts of duplication due to the use of the products of some establishments as materials by others. This duplication occurs, as a rule, between different industries, and is not found to any great extent in individual industries.

[3] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

[4] No comparable data available for 1919.

[5] Because of changes in classification, the figures for 1919 are not strictly comparable with those for later years.

[6] Adjusted for comparison with 1929.

[7] No comparable data available for 1927 or 1919.

[8] New industry classification at the census for 1929.

TABLE 6.—RELATIVE IMPORTANCE OF LEADING INDUSTRIES, FOR THE UNITED STATES: 1929

INDUSTRY	Number of establishments	WAGE EARNERS		COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
		Average for the year	Rank	Amount	Rank	Amount	Rank	Amount	Rank
Industries reporting 100,000 wage earners or more, total	97,228	4,725,511	------	$17,491,269,712	------	$33,596,430,225	------	$16,105,160,513	------
Foundry and machine-shop products, not elsewhere classified	8,605	454,441	1	1,038,066,092	5	2,791,461,964	4	1,753,395,872	1
Cotton goods	1,281	424,916	2	898,028,977	9	1,524,177,087	11	626,148,110	13
Lumber and timber products, not elsewhere classified	12,015	419,084	3	419,603,388	25	1,273,472,320	12	853,868,932	6
Iron and steel: Steel works and rolling mills	486	394,574	4	1,004,083,157	4	3,365,788,805	3	1,461,705,648	2
Car and general construction and repairs, steam-railroad repair shops	1,851	368,681	5	515,562,452	17	1,184,435,262	13	668,872,810	12
Electrical machinery, apparatus, and supplies	1,802	328,722	6	971,017,623	6	2,300,915,572	6	1,329,897,949	4
Motor vehicles, not including motorcycles	244	226,116	7	2,401,511,763	2	3,722,793,274	1	1,321,281,511	5
Motor-vehicle bodies and motor-vehicle parts	1,154	221,332	8	856,985,637	11	1,537,929,793	9	680,944,156	11
Knit goods	1,888	208,488	9	456,790,958	20	899,716,672	23	443,015,714	19
Boots and shoes, other than rubber	1,341	205,640	10	515,055,246	18	965,922,694	19	450,867,448	18
Bread and other bakery products	20,785	200,841	11	737,099,500	12	1,526,110,811	10	789,011,311	7
Furniture, including store and office fixtures	3,778	193,390	12	426,454,169	24	948,116,358	20	521,662,189	15
Clothing, women's, not elsewhere classified	8,082	187,500	13	934,413,683	7	1,709,580,505	8	775,166,822	8
Printing and publishing, book and job	12,712	150,649	14	266,749,365	37	1,006,656,768	16	739,907,403	9
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	3,691	149,868	15	440,504,979	21	901,104,205	22	460,599,226	16
Silk and rayon manufactures	1,491	130,467	16	412,181,260	26	731,200,231	29	319,018,971	24
Printing and publishing, newspaper and periodical	11,524	129,660	17	391,737,705	27	1,738,298,892	7	1,346,561,187	3
Meat packing, wholesale	1,277	122,505	18	2,974,127,757	1	3,434,654,098	2	460,526,341	17
Cigars and cigarettes	1,636	105,308	19	356,778,023	29	1,066,908,888	14	710,130,865	10
Paper	695	103,320	20	574,607,978	16	967,186,026	18	392,578,048	20
Industries reporting 50,000 to 100,000 wage earners, total	20,494	1,283,865	------	6,207,879,224	------	10,564,076,845	------	4,356,197,621	------
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	2,997	98,866	21	462,062,128	19	750,342,041	26	288,279,913	26
Clay products (other than pottery) and nonclay refractories	1,740	93,336	22	81,608,742	84	294,934,513	50	213,235,771	33
Planing-mill products (including general millwork), not made in planing mills connected with sawmills	4,849	90,134	23	290,008,499	35	553,583,408	31	257,574,909	27
Worsted goods	264	88,485	24	336,640,459	31	536,007,399	32	199,417,940	35
Rubber tires and inner tubes	91	83,263	25	429,606,971	23	779,179,890	25	349,569,919	22
Petroleum refining	390	80,596	26	2,031,341,408	3	2,639,665,001	5	608,323,593	14
Dyeing and finishing textiles	732	79,327	27	235,712,156	40	465,820,629	37	230,108,473	31
Nonferrous-metal alloys and products, not including aluminum products	1,225	79,183	28	660,410,913	15	969,804,050	21	309,393,137	25
Glass	263	67,527	29	103,293,943	66	303,818,560	47	200,524,617	34
Confectionery	2,021	63,501	30	215,192,474	42	393,269,849	42	178,077,375	38
Chemicals, not elsewhere classified	551	62,199	31	363,576,811	28	738,048,386	28	374,471,575	21
Engines, turbines, tractors, and water wheels	199	61,148	32	202,900,430	44	457,217,669	38	254,317,239	28
Shirts	863	59,830	33	116,678,496	59	228,321,616	65	111,643,120	61
Woolen goods	460	58,474	34	105,882,063	49	290,938,949	52	125,056,886	57
Boxes, paper, not elsewhere classified	1,249	55,054	35	159,839,577	51	294,253,296	51	134,413,719	54
Ship and boat building, steel and wooden, including repair work	624	55,089	36	85,848,690	80	231,300,165	63	145,451,475	49
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills	1,482	54,947	37	244,696,254	39	477,036,827	36	232,340,573	39
Hardware not elsewhere classified	485	52,306	38	76,480,210	89	229,477,507	64	152,997,297	47
Industries reporting 25,000 to 50,000 wage earners, total	30,728	1,076,069	------	3,866,486,055	------	7,738,763,023	------	3,872,276,968	------
Leather: Tanned, curried, and finished	471	49,032	39	337,597,868	30	481,340,299	35	143,742,431	50
Machine tools	280	47,391	40	64,284,022	100	244,578,088	50	180,294,066	37
Stoves and ranges (other than electric and warm-air furnaces)	609	46,616	41	100,747,049	70	271,747,099	55	170,999,969	42
Gas, manufactured, illuminating and heating	754	43,065	42	188,416,183	46	512,652,595	33	324,236,412	23
Agricultural implements	293	41,663	43	113,969,484	61	277,854,462	53	163,884,978	44
Rubber goods other than tires, inner tubes, and boots and shoes	412	40,226	44	114,674,244	60	244,745,737	58	130,071,493	55
Turpentine and rosin	1,183	40,157	45	10,293,954	232	36,281,632	194	25,987,678	101
Cars, electric and steam railroad, not built in railroad repair shops	147	40,015	46	223,880,397	41	328,220,204	44	104,330,807	65
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	582	40,000	47	87,639,495	78	204,306,134	71	116,666,639	59
Steam fitting and steam and hot-water heating apparatus	240	39,621	48	72,708,208	92	228,310,254	66	155,601,986	46
Rayon and allied products	29	39,166	49	33,334,753	140	149,546,107	91	116,211,354	60
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's	511	38,201	50	33,551,715	82	138,450,078	95	54,898,363	110
Marble, granite, slate, and other stone products	1,881	37,817	51	57,637,838	106	192,163,916	74	134,526,078	53
Pottery, including porcelain ware	313	35,499	52	27,007,364	159	110,622,453	112	83,615,089	80
Cement	174	33,368	53	95,242,497	74	267,509,260	57	172,266,763	40
Carpets and rugs, wool, other than rag	67	32,623	54	86,650,802	79	176,915,364	80	90,264,472	73
Millinery	1,293	32,206	55	98,089,659	72	195,693,457	72	97,603,798	69
Ice, manufactured	4,110	32,184	56	39,808,164	119	210,952,264	69	171,144,100	41
Tin cans and other tinware, not elsewhere classified	232	31,497	57	104,986,803	45	206,901,426	49	101,914,623	66
Boxes, wooden, except cigar boxes	792	30,554	58	74,081,937	91	135,025,675	96	60,943,738	105
Car and general construction and repairs, electric-railroad repair shops	446	29,475	59	32,781,113	141	85,481,577	130	52,700,464	113
Paints and varnishes	1,063	29,211	60	334,132,065	32	568,975,838	30	234,843,773	29
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	2,161	28,593	61	112,648,112	62	222,484,625	67	109,836,513	63
Beverages	5,154	28,281	62	103,026,180	67	270,323,803	56	167,297,623	43
Plumbers' supplies, not including pipe or vitreous-china sanitary ware	255	27,060	63	49,032,599	112	129,673,784	99	80,641,185	85
Jewelry	1,536	27,922	64	79,804,617	86	177,386,932	79	97,582,315	70
Flour and other grain-mill products	4,022	27,028	65	868,872,569	10	1,069,269,418	15	191,396,849	36
Textile machinery and parts	376	27,019	66	36,556,299	129	122,438,514	105	85,882,215	78
Machine-tool accessories and small metal-working tools, not elsewhere classified	722	26,682	67	26,992,631	160	144,410,890	94	117,418,259	58
Furnishing goods, men's, not elsewhere classified	598	26,588	68	83,631,818	81	150,963,603	90	67,331,785	98
Boots and shoes, rubber	22	25,650	69	34,306,466	136	102,537,625	121	68,141,159	96

TABLE 6.—RELATIVE IMPORTANCE OF LEADING INDUSTRIES, FOR THE UNITED STATES: 1929—Continued

INDUSTRY	Number of establishments	WAGE EARNERS		COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
		Average for the year	Rank	Amount	Rank	Amount	Rank	Amount	Rank
Industries reporting 10,000 to 25,000 wage earners, total	35,337	1,096,141	------	$7,089,748,685	------	$11,880,303,568	------	$4,790,554,883	------
Iron and steel: Blast furnaces	105	24,960	70	610,293,691	14	771,425,464	24	161,131,773	45
Bookbinding and blank-book making	1,108	24,754	71	30,754,777	148	102,783,405	120	72,028,628	94
Pulp (wood and other fiber)	198	24,729	72	148,752,729	54	238,928,279	60	90,175,550	74
Gas and electric fixtures; lamps, lanterns, and reflectors	614	23,580	73	57,918,407	105	144,965,706	93	87,047,299	77
Pumps (hand and power) and pumping equipment	322	23,106	74	66,802,372	90	164,009,397	85	97,207,025	71
Wire, drawn from purchased bars or rods	81	22,467	75	126,182,429	58	213,997,410	68	87,814,981	76
Ice cream	3,150	22,399	76	155,964,386	53	328,413,911	43	172,449,525	39
Wirework, not elsewhere classified	547	22,388	77	68,144,047	98	146,805,049	92	78,661,002	86
Aluminum manufactures	150	21,210	78	94,036,463	76	153,457,248	89	59,420,785	107
Fertilizers	638	20,926	79	159,801,195	52	232,510,936	61	72,700,741	92
Forgings, iron and steel, not made in plants operated in connection with rolling mills	218	20,882	80	71,006,964	95	156,248,047	87	84,641,083	79
Coke, not including gas-house coke	153	20,552	81	281,592,430	36	416,348,458	40	134,756,028	52
Paper goods, not elsewhere classified	436	20,227	82	100,368,676	71	182,647,712	77	82,279,036	82
Signs and advertising novelties	1,239	20,000	83	35,701,412	132	118,044,157	110	82,342,745	81
Screw-machine products and wood screws	273	19,881	84	39,462,568	122	105,974,662	116	66,512,094	99
Cast-iron pipe	72	19,741	85	34,289,365	137	80,266,550	135	45,971,185	119
Tools, not including edge tools, machine tools, files, or saws	534	19,305	86	32,110,507	143	99,462,032	124	67,351,525	97
Butter	3,527	19,097	87	635,873,586	13	746,417,620	27	110,544,034	62
Lithographing	376	18,979	88	38,992,142	124	121,014,321	106	82,022,179	83
Fancy and miscellaneous articles, not elsewhere classified	814	18,722	89	35,139,854	134	85,388,961	131	50,249,107	115
Wood turned and shaped and other wooden goods, not elsewhere classified	894	18,712	90	28,428,563	153	69,619,990	146	41,191,427	130
Mattresses and bed springs, not elsewhere classified	951	17,187	91	61,527,026	102	123,279,717	104	61,752,691	102
Typewriters and parts	26	16,945	92	7,248,601	248	61,857,615	154	54,609,014	111
Refrigerators, mechanical	34	16,883	93	72,413,047	94	161,565,676	86	89,152,629	75
Instruments, professional and scientific	276	16,870	94	28,411,430	154	89,746,369	128	61,334,939	104
Cash registers and adding, calculating, and card-tabulating machines	46	16,840	95	10,766,013	225	110,000,986	113	99,234,973	68
Toys (not including children's wheel goods or sleds), games, and playground equipment	476	16,660	96	29,981,527	151	74,828,981	139	44,847,454	121
Hats, fur-felt	159	16,539	97	55,298,045	108	102,004,165	123	46,706,120	118
Concrete products	2,438	16,505	98	34,035,184	138	92,900,749	126	58,865,565	108
Patent or proprietary medicines and compounds	1,522	16,434	99	94,769,833	75	318,906,928	45	224,137,095	32
Bolts, nuts, washers, and rivets, not made in plants operated in connection with rolling mills	117	16,175	100	44,211,785	113	102,392,099	122	58,180,314	109
Oil, cake, and meal, cottonseed	553	15,825	101	249,019,800	38	298,376,039	48	49,356,239	116
House-furnishing goods, not elsewhere classified	964	15,794	102	76,624,989	88	127,602,002	101	50,977,013	114
Fur goods	2,855	15,752	103	176,166,910	48	277,592,752	54	101,485,842	67
Cotton small wares	202	15,281	104	33,636,208	139	65,169,753	150	31,533,545	145
Cutlery (not including silver and plated cutlery) and edge tools	239	14,991	105	14,789,335	201	78,660,872	136	63,871,537	101
Aircraft and parts	132	14,710	106	27,368,103	157	71,152,924	144	43,784,821	123
Smelting and refining, copper	26	14,544	107	920,351,441	8	994,783,862	17	74,432,421	89
Cordage and twine	123	14,489	108	54,573,259	109	91,455,117	127	36,881,858	138
Phonographs	59	14,416	109	37,323,137	127	96,849,048	125	59,525,911	106
Soap	282	14,363	110	180,352,084	47	310,191,530	46	129,838,546	56
Sugar refining, cane	21	13,012	111	438,399,151	22	507,389,262	34	68,990,111	95
Corsets and allied garments	213	13,004	112	36,035,079	130	76,802,199	138	40,767,120	132
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	348	13,612	113	53,230,011	110	80,848,513	134	27,608,602	158
Perfumes, cosmetics, and other toilet preparations	815	13,109	114	58,298,879	104	193,440,550	73	135,141,671	51
Wood preserving	199	13,077	115	147,702,724	55	190,944,645	75	43,241,921	124
Caskets, coffins, burial cases, and other morticians' goods	414	13,033	116	39,350,294	123	88,281,872	129	48,931,578	117
Photographic apparatus and materials	115	12,967	117	30,392,531	149	102,827,386	119	72,434,855	93
Photo-engraving, not done in printing establishments	654	12,353	118	11,003,121	222	77,382,259	137	66,379,138	100
Bags, other than paper, not made in textile mills	202	11,828	119	144,275,477	56	170,175,893	83	25,900,416	163
Smelting and refining, zinc	30	11,618	120	74,760,088	90	118,901,070	109	44,140,982	122
Wrought pipe, welded and heavy riveted, not made in plants operated in connection with rolling mills	50	11,417	121	70,120,941	97	124,658,966	103	54,538,025	112
Trunks, suitcases, and bags	467	11,359	122	31,693,935	146	63,968,929	153	32,274,994	144
Stationery goods, not elsewhere classified	203	11,078	123	32,177,887	142	74,062,047	140	41,884,160	128
Locomotives, not made in railroad repair shops	16	11,045	124	52,808,092	111	83,858,258	132	31,050,166	149
Tobacco: Chewing and smoking, and snuff	152	10,811	125	72,494,329	93	179,332,951	78	106,838,622	64
Sporting and athletic goods, not including firearms or ammunition	242	10,793	126	24,482,236	168	58,288,728	160	33,806,492	142
Motion pictures, not including projection in theaters	142	10,784	127	38,441,025	126	184,102,419	70	145,661,394	48
Watches and watch movements	8	10,738	128	10,455,021	231	34,370,399	202	23,914,478	169
Plated ware	96	10,728	129	16,750,985	192	55,429,959	163	38,678,974	134
Cooperage	586	10,691	130	41,515,500	116	64,841,788	151	23,326,288	176
Druggists' preparations	429	10,688	131	43,775,986	114	124,778,487	102	81,002,501	84
Food preparations, not elsewhere classified	862	10,616	132	96,387,639	73	171,860,087	82	75,473,348	87
Sewing machines and attachments	39	10,467	133	16,468,425	193	45,094,600	180	28,636,175	156
Pocketbooks, purses, and cardcases	290	10,430	134	35,351,605	133	68,627,515	148	33,275,910	143
Clocks, clock movements, time-recording devices, and time stamps	56	10,401	135	10,675,113	227	42,165,875	185	31,490,762	146
Boot and shoe findings, not made in boot and shoe factories	382	10,376	136	31,904,401	144	58,625,445	159	26,661,044	160
Envelopes	171	10,367	137	29,927,683	152	61,286,992	156	31,359,309	148
Feeds, prepared, for animals and fowls	750	10,223	138	327,919,743	34	402,752,534	41	74,832,791	88
Engraving, steel and copperplate, and plate printing	456	10,130	139	11,864,704	217	47,161,641	171	35,296,877	140
All other industries (reporting less than 10,000 wage earners), total	27,172	657,157	------	3,894,196,056	------	6,655,289,782	------	2,761,093,726	------

TABLE 7.—ESTIMATED NET VALUE OF MANUFACTURED PRODUCTS, BY INDUSTRY GROUPS: 1929

[The term "net value" as used in this table signifies an amount which is equivalent to the value, at f. o. b. factory prices, of those manufactured products, and those only, which are made for sale to ultimate consumers. It is obtained by subtracting the following items from the gross value of products: Cost of manufactured fuels (column 3); value of domestic semimanufactures (column 5); costs of contract work as specified in footnotes 1 and 2. (GENERAL EXPLANATIONS—See Duplication in Cost of Materials and Value of Products, p. 7.)]

INDUSTRY GROUP	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY					VALUE OF PRODUCTS	
	Total	Fuel and purchased energy		Raw materials and imported semimanufactures	Domestic semimanufactures	Gross	Net
		Coal, natural gas, and purchased energy	Manufactured fuels				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
All groups	$38,549,579,732	$1,298,319,847	$567,846,352	$14,531,000,000	$22,152,000,000	$70,434,863,443	$47,243,000,000
Food and kindred products	8,632,282,857	134,218,841	27,224,952	6,156,000,000	2,315,000,000	12,023,589,289	9,682,000,000
Textiles and their products	5,103,845,724	109,173,983	11,930,830	1,907,000,000	3,075,000,000	9,243,302,523	[1] 5,854,000,000
Forest products	1,586,182,953	31,219,400	4,591,249	295,000,000	1,255,000,000	3,591,765,090	2,332,000,000
Paper and allied products	1,092,722,103	75,131,224	6,564,567	319,000,000	692,000,000	1,892,251,148	1,194,000,000
Printing, publishing, and allied industries	766,483,548	22,147,106	3,588,053	157,000,000	584,000,000	3,170,139,051	[2] 2,412,000,000
Chemicals and allied products	1,970,713,209	84,474,662	14,962,658	821,000,000	1,050,000,000	3,759,404,640	2,695,000,000
Products of petroleum and coal	2,546,840,193	[3] 294,764,656	108,461,352	1,895,000,000	248,000,000	3,047,747,957	3,291,000,000
Rubber products	578,677,081	19,067,788	609,587	211,000,000	348,000,000	1,117,460,252	769,000,000
Leather and its manufactures	1,131,941,963	13,181,407	596,494	343,000,000	775,000,000	1,905,976,775	1,130,000,000
Stone, clay, and glass products	526,339,979	138,813,844	18,716,826	219,000,000	150,000,000	1,561,414,590	1,393,000,000
Iron and steel and their products, not including machinery	3,862,873,486	166,994,501	296,133,346	760,000,000	2,640,000,000	7,137,928,058	4,202,000,000
Nonferrous metals and their products	2,465,444,198	43,503,460	21,281,525	825,000,000	1,576,000,000	3,597,057,717	2,000,000,000
Machinery, not including transportation equipment	2,694,379,620	78,113,499	32,183,361	54,000,000	2,530,000,000	7,043,380,300	4,481,000,000
Transportation equipment, air, land, and water	3,683,148,078	41,153,215	12,803,903	4,000,000	3,625,000,000	6,047,200,390	2,409,000,000
Railroad repair shops	548,343,505	26,678,923	4,504,808		517,000,000	1,269,916,839	748,000,000
Miscellaneous industries	1,359,360,506	19,683,338	3,602,841	564,000,000	772,000,000	3,426,319,134	2,651,000,000

[1] Amount deducted, $302,059,330, representing cost of contract work.
[2] Amount deducted, $169,898,605, representing cost of contract work.
[3] Contains $38,263,293, which represents the cost of crude oil used as fuel.

TABLE 8.—SUMMARY BY GROUPS OF INDUSTRIES: 1914 TO 1929

[See GENERAL EXPLANATIONS—Changes in Groups, Industry Titles, and Classifications, p. 9]

[Includes, for 1919 and 1914, data for establishments reporting products valued at less than $5,000. (See GENERAL EXPLANATIONS—Establishments Covered—Size.) The totals for all groups and the figures for Group 1 for years prior to 1927 as given in this summary differ from those published in the report for 1927 because of the inclusion in this table, but not in the corresponding table in the report for 1927, of data for the "Poultry killing and dressing" industry for 1925 and earlier years. The figures for 1927, and in most cases those for earlier years, for Groups 1, 3, 4, 5, 11, 12, 13, and 16 differ from those published in the 1927 report. The reasons for these differences are given in the introductory text for the respective groups.]

GROUP	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture [1]	Horsepower
All groups, total	1929	210,959	8,838,743	$11,020,973,254	$38,549,579,732	$70,434,863,443	$31,885,283,711	42,931,061
	1927	191,866	8,349,755	10,848,802,532	35,133,136,889	62,718,347,289	27,585,210,400	38,825,681
	1925	187,390	8,384,201	10,720,968,927	35,935,647,704	62,713,713,730	26,778,066,026	35,772,628
	1923	196,369	8,778,156	11,009,297,726	34,705,697,749	60,555,998,200	25,850,300,451	33,094,228
	1921	196,267	6,946,570	8,202,324,339	25,321,055,346	43,653,282,833	18,332,227,487	(2)
	1919	274,598	9,041,311	10,461,786,869	37,288,731,430	62,193,426,614	24,904,695,184	29,327,660
	1914	272,518	7,023,685	4,067,718,740	14,358,935,014	24,216,514,573	9,857,579,559	22,290,899
1. Food and kindred products	1929	56,320	753,247	902,142,970	8,632,282,857	12,023,589,289	3,391,306,432	4,607,913
	1927	49,787	679,520	823,387,583	8,113,432,583	11,015,860,010	2,902,427,427	4,134,973
	1925	48,113	664,760	793,680,786	7,748,677,877	10,418,536,301	2,669,858,424	3,881,952
	1923	51,847	682,137	795,571,072	6,990,846,444	9,524,050,759	2,533,204,315	3,723,025
	1921	52,113	626,618	746,266,284	6,122,932,791	8,267,129,564	2,144,196,773	(2)
	1919	69,423	733,664	774,723,835	10,252,630,856	12,748,348,465	2,495,717,609	3,203,106
	1914	67,403	536,436	303,341,625	3,907,186,447	4,977,700,917	1,070,574,470	2,503,932
2. Textiles and their products	1929	27,404	1,707,798	1,733,031,423	5,103,845,724	9,243,302,523	4,139,456,799	4,145,908
	1927	26,843	1,694,416	1,759,958,139	4,922,715,868	8,950,472,873	4,027,757,005	4,173,438
	1925	24,450	1,628,283	1,654,814,276	5,349,924,770	9,126,154,902	3,776,230,132	3,986,522
	1923	26,763	1,715,293	1,743,797,717	5,394,441,315	9,462,281,966	4,067,840,651	3,783,401
	1921	25,955	1,509,738	1,472,352,098	3,801,090,387	6,956,464,063	3,155,374,576	(2)
	1919	28,451	1,610,003	1,481,142,946	5,379,387,036	9,210,932,957	3,831,545,321	3,248,364
	1914	23,350	1,505,912	675,781,743	2,013,737,838	3,444,810,423	1,431,072,585	2,717,078
3. Forest products	1929	26,912	876,383	939,382,073	1,586,182,953	3,591,765,090	2,005,582,137	3,674,204
	1927	20,169	864,508	931,920,537	1,636,047,040	3,462,925,167	1,826,278,127	3,332,457
	1925	21,926	921,266	978,472,291	1,725,350,920	3,689,126,705	1,963,775,785	3,472,970
	1923	21,678	931,816	962,594,530	1,666,395,023	3,633,385,573	1,966,990,550	3,336,236
	1921	21,308	703,360	670,461,643	1,197,627,939	2,456,857,043	1,259,229,104	(2)
	1919	41,201	864,001	859,872,003	1,368,341,322	3,113,460,426	1,745,119,104	3,409,746
	1914	43,466	865,294	446,897,411	795,935,795	1,616,452,752	850,516,957	3,176,436
4. Paper and allied products	1929	3,126	233,393	287,330,792	1,092,722,103	1,892,251,148	799,529,045	3,166,804
	1927	2,972	224,437	272,153,670	1,082,363,311	1,785,997,679	703,634,368	2,813,694
	1925	2,727	221,502	263,097,369	919,657,498	1,546,814,124	627,156,626	2,874,707
	1923	2,685	219,026	250,144,000	878,763,995	1,456,970,076	578,206,081	2,313,562
	1921	2,600	184,756	202,702,800	669,070,172	1,071,800,316	402,730,144	(2)
	1919	2,677	208,115	212,724,201	720,908,211	1,250,445,203	529,536,992	1,967,446
	1914	2,452	166,752	88,844,233	314,832,826	519,689,671	204,856,845	1,697,268
5. Printing, publishing, and allied industries	1929	27,522	357,988	636,371,372	766,483,548	3,170,139,051	2,403,656,103	649,441
	1927	25,433	328,603	586,183,261	755,037,668	2,859,860,389	2,104,822,721	569,528
	1925	23,826	315,264	542,418,876	694,576,980	2,596,870,775	1,902,293,795	486,087
	1923	23,114	307,993	492,905,053	665,654,236	2,315,318,106	1,649,663,870	429,967
	1921	22,777	282,500	434,727,594	663,300,138	2,078,763,839	1,415,463,701	(2)
	1919	33,747	301,934	351,997,797	587,293,851	1,764,380,909	1,177,093,058	379,236
	1914	34,757	286,254	207,720,982	266,435,038	937,125,476	670,690,438	341,805

See footnotes at end of table.

TABLE 8.—SUMMARY BY GROUPS OF INDUSTRIES: 1914 TO 1929—Continued

[See note at head of this table]

GROUP	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture [1]	Horsepower
6. Chemicals and allied products [3]	1929	8,278	280,868	$354,303,308	$1,970,713,209	$3,759,404,640	$1,788,691,371	2,312,295
	1927	7,541	253,436	317,908,093	1,803,084,544	3,351,892,059	1,548,807,515	1,848,309
	1925	7,282	244,812	296,525,641	1,830,591,898	3,211,230,498	1,380,638,600	1,748,481
	1923	7,197	246,527	288,833,729	1,702,944,290	2,933,561,637	1,230,617,347	1,654,228
	1921	7,348	199,596	224,332,535	1,352,904,081	2,225,917,456	873,013,375	(2)
	1919	10,732	329,053	364,884,045	2,269,338,413	3,803,752,737	1,534,414,324	1,720,521
	1914	11,461	268,413	164,420,708	1,011,125,288	1,964,630,406	953,505,118	1,459,062
7. Products of petroleum and coal	1929	1,497	147,216	229,050,010	2,546,840,193	3,647,747,957	1,100,907,764	1,755,258
	1927	1,418	141,655	217,485,282	2,262,698,554	3,060,225,699	797,527,145	1,513,314
	1925	1,582	136,366	210,033,811	2,356,583,404	3,230,008,511	873,425,107	1,241,877
	1923	1,650	138,330	212,881,574	1,981,370,216	2,778,888,167	797,517,951	1,092,914
	1921	1,560	115,006	180,452,175	1,760,804,612	2,372,039,178	611,234,566	(2)
	1919	1,684	131,759	185,599,027	1,635,919,806	2,289,170,161	653,250,355	709,597
	1914	1,782	90,882	60,881,700	474,558,358	721,656,198	247,097,840	464,659
8. Rubber products	1929	525	149,148	207,305,857	578,677,681	1,117,460,252	538,782,571	821,312
	1927	516	141,997	198,073,743	666,370,209	1,225,077,114	564,706,905	790,622
	1925	530	141,869	191,285,520	721,720,675	1,260,805,063	539,075,388	659,691
	1923	529	137,868	182,084,056	501,162,768	958,517,634	457,354,866	605,634
	1921	496	103,273	123,612,873	377,879,372	704,903,133	327,023,761	(2)
	1919	477	158,549	193,763,089	594,343,590	1,138,216,019	543,872,429	429,273
	1914	342	74,022	44,167,402	163,034,713	300,993,796	137,959,083	199,242
9. Leather and its manufactures	1929	4,277	318,415	359,412,972	1,131,941,963	1,905,976,775	774,034,812	436,342
	1927	4,205	315,991	364,447,396	1,088,640,717	1,869,305,048	780,664,331	419,591
	1925	4,243	314,025	355,346,411	1,012,880,605	1,763,709,301	750,828,756	413,173
	1923	4,868	344,545	388,630,008	1,083,345,380	1,880,085,716	796,740,336	412,998
	1921	4,813	280,071	314,411,672	934,397,705	1,544,185,251	609,787,546	(2)
	1919	6,397	349,362	363,453,419	1,713,807,336	2,610,230,727	896,423,391	382,537
	1914	6,758	307,060	169,357,500	753,135,354	1,104,594,557	351,459,203	311,194
10. Stone, clay, and glass products	1929	8,514	328,417	[4]432,817,393	526,339,970	1,561,414,590	1,035,074,611	2,854,402
	1927	8,673	350,017	464,272,991	594,774,314	1,612,548,765	1,017,774,451	2,709,131
	1925	8,478	353,036	467,012,428	603,426,910	1,640,651,985	1,037,225,075	2,348,157
	1923	8,317	351,602	453,507,361	573,472,386	1,563,120,627	989,648,241	1,936,054
	1921	8,347	252,990	307,064,599	428,258,661	1,033,091,070	604,832,409	(2)
	1919	12,599	302,810	332,725,753	422,611,208	1,111,746,070	689,134,862	1,584,917
	1914	14,790	335,824	206,084,756	240,818,101	618,699,787	377,881,686	1,493,976
11. Iron and steel and their products, not including machinery	1929	6,640	880,882	1,380,986,821	3,862,873,486	7,137,928,058	3,275,054,572	9,200,822
	1927	6,340	834,067	1,293,812,344	3,544,615,067	6,197,594,589	2,652,979,522	8,322,730
	1925	6,003	850,783	1,283,840,796	3,734,084,771	6,460,222,488	2,726,137,717	7,518,726
	1923	6,353	892,185	1,324,172,787	4,152,741,176	6,827,670,385	2,674,929,209	[4]7,259,009
	1921	6,251	571,426	730,875,330	2,140,171,458	3,455,541,015	1,315,369,557	(2)
	1919	7,617	857,764	1,243,726,202	3,423,280,065	5,887,843,671	2,464,563,606	6,429,697
	1914	6,326	617,776	421,746,126	1,315,690,489	2,137,113,329	821,422,840	4,587,572
12. Nonferrous metals and their products	1929	7,522	314,741	443,466,623	2,465,444,198	3,597,057,717	1,131,613,519	1,570,217
	1927	6,761	272,667	383,184,596	1,783,213,469	2,677,107,246	893,893,777	1,226,411
	1925	7,006	276,616	382,652,356	1,948,438,054	2,839,550,465	891,112,411	1,162,140
	1923	7,501	297,798	395,078,970	1,767,037,612	2,637,159,840	869,522,228	1,171,192
	1921	7,853	212,680	256,892,785	886,264,843	1,408,059,444	521,794,601	(2)
	1919	10,441	304,768	359,171,419	1,737,233,945	2,519,031,512	781,797,567	953,109
	1914	9,808	239,542	154,579,750	964,555,945	1,329,834,086	365,278,141	550,903
13. Machinery, not including transportation equipment	1929	12,955	1,091,269	1,634,165,729	2,694,379,629	7,043,380,390	4,349,000,761	3,647,343
	1927	11,982	883,508	1,284,132,534	2,053,941,924	5,348,723,728	3,294,781,804	2,995,296
	1925	11,807	858,843	1,225,369,140	1,985,367,067	5,020,281,100	3,034,914,033	2,714,377
	1923	12,147	907,707	1,253,742,642	1,891,524,166	4,727,818,290	2,836,294,124	2,300,443
	1921	12,395	662,277	832,782,828	1,361,163,280	3,235,074,906	1,873,911,626	(2)
	1919	14,821	998,484	1,249,486,944	1,973,457,522	4,768,673,395	2,795,215,873	2,060,325
	1914	13,457	618,737	412,406,274	662,966,570	1,582,408,404	919,441,834	1,256,908
14. Transportation equipment, air, land, and water	1929	2,550	583,355	943,221,905	3,683,148,078	6,047,209,390	2,364,061,312	2,271,192
	1927	2,537	494,905	803,297,856	2,907,949,399	4,693,971,606	1,786,022,207	2,027,686
	1925	2,778	559,578	908,487,563	3,389,101,383	5,451,753,433	2,062,652,050	1,888,961
	1923	3,873	606,328	993,939,377	3,394,504,710	5,333,479,375	1,938,974,665	1,624,468
	1921	4,273	405,773	591,333,775	1,803,011,413	3,018,154,321	1,215,142,908	(2)
	1919	6,768	858,582	1,259,014,020	3,200,602,252	5,627,262,990	2,426,660,738	1,453,804
	1914	7,818	312,562	230,614,798	639,793,313	1,137,422,934	497,629,621	602,459
15. Railroad repair shops	1929	2,297	398,156	637,311,434	548,343,565	1,269,016,839	721,573,274	1,153,147
	1927	2,309	428,672	648,908,452	545,491,754	1,289,695,158	744,203,404	1,110,821
	1925	2,303	457,755	668,191,708	593,645,944	1,332,679,079	769,033,135	942,248
	1923	2,348	523,430	772,968,122	631,358,483	1,520,092,751	888,734,268	[4]798,005
	1921	2,326	418,285	671,955,829	506,571,099	1,267,342,559	760,771,460	(2)
	1919	2,368	515,709	726,600,466	547,828,694	1,354,446,094	806,617,400	644,875
	1914	2,011	365,902	253,149,943	261,438,181	552,617,790	291,179,609	478,893
16. Miscellaneous industries	1929	14,620	417,467	500,581,672	1,359,360,506	3,426,319,134	2,066,958,628	664,371
	1927	14,320	440,456	529,676,055	1,378,160,468	3,317,090,159	1,938,929,691	837,680
	1925	14,216	439,503	508,749,805	1,351,609,948	3,125,318,940	1,773,708,992	732,559
	1923	15,439	475,481	528,385,828	1,429,535,549	3,003,597,298	1,574,061,749	701,511
	1921	15,762	418,221	442,100,510	1,315,607,395	2,557,958,775	1,242,351,380	(2)
	1919	25,195	516,754	511,812,383	1,461,746,515	2,995,478,626	1,533,732,111	751,116
	1914	26,537	442,317	227,722,928	603,691,216	1,270,703,669	667,012,453	449,512

[1] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.
[2] Not called for on schedule.
[3] The comparableness of the figures for 1914 and 1919 with those for later years is affected by the decrease in the legal manufacture of alcoholic beverages resulting from the enactment of the national prohibition act.
[4] Revised; revision not carried into total for all groups.