

CHAPTER VIII.—INDUSTRY GROUPS

INTRODUCTION

This chapter presents statistics for the 16 major industry groups into which the 326 industries were assembled at the Census of Manufactures for 1929. An explanation of the principles which govern the industry combinations is given in "General explanations—Classification by industry groups," page 4. It is pointed out there that the present 16-group arrangement of industries rests upon a tripartite base, whose members are (a) kind of materials consumed, (b) use of principal products, and (c) manufacturing process employed.

It will be noted that subgroups appear within 11 of the groups, as, for example, the distribution of the 32 industries in Group 1 (in which the classification is determined primarily by the use of the products) under the heads (a) "Animal products" and (b) "Vegetable products and beverages," the basis of the subgrouping being chiefly the type of materials used. Two bases, on the other hand, are employed for classifying the 20 industries of Group 3 into four subgroups. Two of these subgroups, established according to the stage of process employed, are (a) basic industries and (b) wood-reworking industries; and two, determined by the use of the products, are (c) wooden-container industries, and (d) furniture and related industries.

The 16 groups differ widely in size as measured by "wage earners (average for the year)." The two groups "Textiles and their products" and "Machinery, not including transportation equipment" ranked first and second, respectively, in both 1919 and 1929 in number of wage earners, these two groups having registered increases during the decade despite a decrease of 1.8 per cent for all industries taken as an aggregate. The advance from fifth position in 1919 to third in 1929 of the group manufacturing "Iron and steel and their products, not including machinery" marked not only an increase in wage earners but also a large growth in volume of output, estimated to have been about 50 per cent. The two groups which outranked the iron and steel industries in number of wage earners in 1919 but which now hold fourth and sixth places, respectively, are "Forest products" and "Transportation equipment, air, land, and water." The former increased its number of wage earners during the decade, but not as much as did the iron and steel group. The transportation-equipment group, however, shows a decrease of 32 per cent. This, the most

pronounced decline of all, was caused primarily by the postwar drop in production in the ship-building industry. While the group "Printing, publishing, and allied industries" ranked only ninth in respect of number of wage earners in 1929, its growth during the decade, amounting to 18.6 per cent and exceeding that of any other group, reflected the vigorous expansion both in book and job printing and in newspaper and periodical production during the period.

The ranking of the 16 groups on the wage-earner basis is as follows:

GROUP No.	GROUP TITLE	RANK
2	Textiles and their products.....	1
13	Machinery, not including transportation equipment.....	2
11	Iron and steel and their products, not including machinery.....	3
3	Forest products.....	4
1	Food and kindred products.....	5
14	Transportation equipment, air, land, and water.....	6
16	Miscellaneous industries.....	7
15	Railroad repair shops.....	8
5	Printing, publishing, and allied industries.....	9
10	Stone, clay, and glass products.....	10
9	Leather and its manufactures.....	11
12	Nonferrous metals and their products.....	12
6	Chemicals and allied products.....	13
4	Paper and allied products.....	14
8	Rubber products.....	15
7	Products of petroleum and coal.....	16

The ranking of the 16 groups according to "value added by manufacture" corresponds roughly to that according to wage earners. A comparison of the groups according to the percentage which value added is of the gross value of products sheds further light on the nature of manufacturing. It serves to divide those groups with high material cost (specifically, the combined cost of materials, containers for products, fuel, and purchased electric energy) from those in which the value-added item, comprising wages, salaries, miscellaneous expenses, and manufacturing profits, is the more important. In "Printing, publishing, and allied industries," for example, the proportion of the gross value of output represented by value added is 75.8 per cent, indicating that the work performed on the material, rather than the material itself, is the important contribution to the value of manufactured products. In the groups low in value added, on the other hand, such as "Food and kindred products" (28.2 per cent) and "Products of petroleum and coal" (30.2 per cent), the chief contribution is made by the materials. The order of the 16 groups as determined by the percentage which value added is of gross value of products is as follows:

GROUP NO.	GROUP TITLE	PERCENTAGE
5	Printing, publishing, and allied industries.....	75.8
10	Stone, clay, and glass products.....	66.3
13	Machinery, not including transportation equipment.....	61.7
16	Miscellaneous industries.....	60.3
15	Railroad repair shops.....	56.8
3	Forest products.....	55.8
8	Rubber products.....	48.2
6	Chemicals and allied products.....	47.6
11	Iron and steel and their products, not including machinery.....	45.9
2	Textiles and their products.....	44.8
4	Paper and allied products.....	42.2
9	Leather and its manufactures.....	40.6
14	Transportation equipment, air, land, and water.....	39.1
12	Nonferrous metals and their products.....	31.4
7	Products of petroleum and coal.....	30.2
1	Food and kindred products.....	28.2

Some of the groups consume very small quantities of materials in a crude, unprocessed state. In fact, a considerable number of the individual industries composing the groups use no raw materials whatsoever. The percentages of the gross values of products of the several groups which are represented by the cost of materials in the form of commodities partially manufactured in domestic industries are shown in the following table, together with percentages for the other items which, if added together, equal the gross value of manufactured products.

It should be borne in mind that 31.2 per cent, the cost of "Domestic semimanufactures" for "All groups, total," plus nearly 1 per cent of the gross value, covering expenditures for manufactured fuels, represented costs of purchased or transferred (interplant) materials and parts which certain manufacturers also reported as manufactured products. Duplications in the materials and value-of-products items are found also in each of the 16 groups. For further information concerning the nature and extent of the pyramiding of

materials and product values, see "General explanations—Duplication in cost of materials and value of products," and "General summary"—Table 7. This inflation does not, however, affect the relationship among the other component items, which are almost entirely free from such duplication.

PER CENT DISTRIBUTION OF GROSS VALUE OF PRODUCTS, BY COMPONENT ITEMS, FOR MAJOR INDUSTRY GROUPS: 1929

[In estimating the cost of raw materials and that of semimanufactures, the results were rounded to the nearest million dollars. The sums of the percentages for all groups and for individual groups do not, therefore, equal exactly 100 in all cases. See Table 7, p. 37.]

Industry group	Salaries ¹	Wages	MATERIALS AND CONTAINERS		Fuel and purchased electric energy	Other expenses, interest, and profits
			Raw materials and imported semimanufactures	Domestic semimanufactures		
All groups.....	6.0	16.5	20.6	31.4	2.6	22.8
Food and kindred products.....	2.6	7.5	51.2	19.3	1.3	18.1
Textiles and their products.....	4.4	18.7	20.6	33.3	1.3	21.6
Forest products.....	6.0	26.2	8.2	34.9	1.0	23.7
Paper and allied products.....	5.0	16.2	18.9	36.6	4.3	22.1
Printing, publishing, and allied products.....	15.8	20.1	4.9	18.4	.8	30.9
Chemicals and allied products.....	5.4	9.4	21.8	27.9	2.6	32.8
Products of petroleum and coal.....	2.4	6.3	52.0	6.8	11.1	21.5
Rubber products.....	5.0	18.0	18.9	31.2	1.8	24.7
Leather and its manufactures.....	4.4	18.9	18.0	40.7	.7	17.3
Stone, clay, and glass products.....	6.9	27.7	14.1	9.5	10.1	31.7
Iron and steel and their products, not including machinery.....	4.3	19.3	10.6	37.0	6.5	22.2
Nonferrous metals and their products.....	4.0	12.3	23.0	43.8	1.8	15.1
Machinery, not including transportation equipment.....	8.0	23.2	.8	35.9	1.6	30.6
Transportation equipment, air, land, and water.....	3.1	15.0	.1	60.0	.0	20.4
Railroad repair shops.....	6.4	50.2	-----	40.7	2.5	.2
Miscellaneous industries.....	6.9	14.6	16.5	22.5	.7	38.8

¹ The percentage for "All groups" covers, but those for the individual groups do not cover, compensation of salaried officers and employees of central-administrative offices.

GROUP 1.—FOOD AND KINDRED PRODUCTS

This group of industries embraces the manufacture of foods, beverages, and certain related products, including prepared feeds for animals and fowls. The manufacture of ice is also included, as well as that of chewing gum, but the tobacco-manufacturing industries are classified in the "Miscellaneous industries" group (No. 16). Measured by value of products, Group 1 outranks all others.

The food and kindred-products group comprises two subgroups. The first embraces establishments engaged in the production of butter, cheese, condensed milk, meat, and other animal products. The second is made up of establishments whose principal products are derived from vegetable and mineral sources; for example, bread and other bakery products, flour and other grain-mill products, feeds, confectionery, sugar, canned and preserved fruits and vegetables, beverages, and manufactured ice.

This group, as constituted at the censuses for 1925 and earlier years, included the "Poultry killing and dressing" industry, and as constituted at the census for 1929 it includes the "Poultry killing, dressing, and packing" industry. The figures for these two industries are not comparable, and neither was canvassed at the census for

1927; but, since the items for these industries are very small in comparison with the corresponding ones for the group as a whole, the comparableness of the group totals for different census years is not affected to any material extent. (The figures for the "Poultry killing and dressing" industry for 1925 and earlier years were excluded from the totals for the group as shown in the 1927 report but are included in the corresponding totals as given in the present report.)

Considerable duplication occurs in the statistics for the products of the industries in Group 1, because of the fact that to a great extent the products of certain industries are used as materials by others. For example, the products of flour mills and of sugar refineries become, in large measure, materials for bakeries and for candy factories, respectively. Thus the gross value of products for the group as a whole is considerably greater than the net value of its products in the form in which they reach the ultimate consumer.

The following table gives summary statistics for the group as a whole, for each of its subgroups—"Animal products" and "Vegetable products and beverages"—and for each industry separately.

TABLE 1.—SUMMARY FOR GROUP 1—FOOD AND KINDRED PRODUCTS: 1914 TO 1929

[The aggregates for the group and the totals for the "Animal products" subgroup for years prior to 1927 as here given 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. Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. SEE GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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
Aggregate for the group.....	1929	56,320	763,247	\$902,142,070	\$8,632,282,857	\$12,023,589,289	\$3,391,308,432	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	664,700	793,630,786	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	9,524,060,769	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	10,252,630,866	12,748,348,465	2,495,717,609	3,203,106
	1914	67,403	630,436	303,341,625	3,907,186,447	4,977,760,917	1,070,574,470	2,503,932
Animal products, total.....	1929	12,761	201,745	262,185,788	4,263,956,808	5,148,495,908	884,539,130	1,091,228
	1927	11,774	189,645	249,881,090	3,815,253,936	4,563,035,919	747,781,933	965,363
	1925	11,803	189,933	245,303,522	3,752,514,877	4,498,930,697	746,415,820	875,878
	1923	12,576	205,058	255,869,878	3,260,761,056	3,977,644,670	716,883,614	785,494
	1921	11,329	182,790	231,600,782	2,687,298,601	3,276,582,331	539,263,730	(³)
	1919	13,752	233,512	285,356,928	4,959,621,270	5,680,474,762	720,853,492	672,236
	1914	12,388	147,392	91,373,402	1,836,233,526	2,141,581,893	302,298,372	450,677
Butter, cheese, and condensed and evaporated milk..	1929	6,820	20,593	37,581,536	892,387,621	1,066,172,052	173,784,431	274,410
	1927	6,721	31,006	39,620,390	897,804,349	1,057,544,724	159,740,375	230,913
	1925	6,830	28,274	34,973,893	847,008,150	973,518,046	126,511,896	201,639
	1923	7,430	* 32,888	* 40,188,965	* 810,575,800	* 955,350,683	* 144,774,883	196,966
	1921	6,615	31,466	37,702,551	609,145,142	738,440,107	129,294,965	(³)
	1919	7,669	35,313	37,939,676	926,368,296	1,066,125,489	139,769,193	168,551
	1914	7,628	23,059	15,847,081	315,025,636	364,285,150	49,259,515	130,269

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 1.—SUMMARY FOR GROUP 1—FOOD AND KINDRED PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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	Horsepower
Vegetable products and beverages—Continued.								
Confectionery.....	1929	2,021	63,501	\$56,442,874	\$215,192,474	\$393,269,849	\$178,077,875	112,644
	1927	1,908	63,163	56,980,548	218,372,553	391,927,343	173,554,790	110,595
	1925	1,931	63,600	55,234,827	205,432,667	379,081,441	173,648,774	100,455
	1923	2,014	63,485	54,881,549	202,718,714	366,265,785	163,637,071	91,455
	1921	2,254	61,004	50,210,101	174,071,963	313,997,573	139,925,610	(2)
	1919	3,149	76,493	54,461,057	252,433,601	447,726,103	195,292,412	77,036
	1914	2,317	51,010	20,643,633	93,692,526	163,685,523	50,992,997	52,379
Corn sirup, corn sugar, cornoil, and starch.....	1929	35	6,730	9,872,909	104,284,827	165,933,739	61,698,912	84,686
	1927	26	6,972	10,489,679	90,905,776	134,461,166	43,555,390	81,003
	1925	30	6,462	9,378,157	93,063,575	132,807,974	39,834,399	72,017
	1923	31	6,537	9,090,104	74,480,950	116,500,034	42,079,084	65,794
	1921	32	6,131	7,840,098	50,861,124	80,040,795	29,179,671	(2)
	1919	56	7,795	11,962,483	130,328,848	186,256,260	55,927,412	52,036
	1914	39	4,509	3,549,565	40,207,592	62,615,401	12,407,809	41,454
Feeds, prepared, for animals and fowls.....	1929	750	10,223	12,821,386	327,919,743	402,762,534	74,832,791	170,482
	1927	447	7,632	9,702,954	244,675,705	299,702,642	55,116,937	116,855
Flavoring extracts and flavoring sirups.....	1929	642	5,041	7,070,860	55,517,926	129,086,237	73,568,311	33,838
	1927	500	5,011	7,134,274	51,090,727	107,219,395	56,128,668	27,963
	1925	431	3,890	5,077,920	47,083,805	94,211,934	47,148,129	23,313
	1923	457	3,596	4,194,406	38,177,028	74,153,326	35,976,298	17,929
	1921	493	3,462	4,058,518	45,349,070	77,128,602	31,776,523	(2)
	1919	602	3,536	2,982,566	50,416,804	76,923,650	26,506,846	6,553
	1914	566	2,390	1,149,848	13,904,763	26,696,675	12,791,912	3,526
Flour and other grain-mill products.....	1929	4,022	27,028	35,072,386	868,872,509	1,060,269,418	191,396,849	641,456
	1927	4,035	29,982	37,559,472	972,711,040	1,143,790,360	176,049,320	641,608
	1925	4,413	31,988	39,700,239	1,125,378,941	1,298,014,788	172,635,847	669,910
	1923	5,232	35,194	41,704,297	885,971,543	1,048,577,459	162,605,916	709,850
	1921	6,485	35,373	43,142,734	993,809,720	1,179,740,131	135,930,411	(2)
	1919	10,708	45,481	50,888,383	1,799,180,987	2,052,434,385	253,253,398	875,464
	1914	10,788	39,718	24,593,162	752,270,021	877,679,709	126,409,688	821,400
Food preparations, not elsewhere classified.....	1929	862	10,016	11,657,726	96,387,639	171,800,987	75,473,348	36,716
	1927	674	10,294	11,386,636	98,245,740	169,964,672	68,715,932	34,773
Ice, manufactured.....	1929	4,110	32,184	42,399,295	39,898,164	210,952,264	171,144,100	1,077,295
	1927	3,159	22,120	32,611,118	40,815,512	184,794,988	143,979,476	965,400
	1925	3,077	24,915	35,045,829	44,726,272	189,869,036	142,243,764	923,134
	1923	3,097	20,852	36,039,585	46,084,017	164,662,187	117,998,170	845,012
	1921	2,715	24,066	32,630,180	51,174,441	158,880,173	107,714,732	(2)
	1919	2,867	30,247	34,091,837	42,877,609	137,004,798	94,127,289	809,925
	1914	2,543	23,011	14,840,591	17,756,004	60,980,267	42,631,263	458,938
Macaroni, spaghetti, vermicelli, and noodles.....	1929	353	5,072	5,384,353	27,336,126	47,074,230	19,738,104	24,448
	1927	353	4,587	5,070,936	27,433,792	45,855,200	17,919,408	21,406
	1925	327	4,569	5,025,625	27,491,142	43,489,544	15,988,202	19,873
	1923	345	4,098	4,332,312	16,646,400	29,556,501	12,910,101	18,191
	1921	409	3,865	3,748,643	19,984,654	31,012,787	11,048,733	(2)
	1919	557	4,543	4,168,009	25,109,951	37,057,198	11,947,247	16,693
	1914	373	3,534	1,637,700	7,938,181	12,883,579	4,945,398	8,562
Malt.....	1929	28	590	1,056,759	18,923,749	23,602,938	4,679,189	18,098
	1927	23	500	904,420	17,196,750	20,274,172	3,087,422	15,390
	1925	23	568	902,830	19,986,251	24,069,238	4,082,987	15,259
	1923	22	497	741,656	13,153,900	19,431,032	3,277,152	14,805
	1921	26	618	923,894	17,455,265	21,004,640	3,546,384	(2)
	1919	55	1,352	1,845,210	31,612,707	39,840,414	7,727,707	27,483
	1914	97	1,989	1,827,520	39,198,931	48,132,333	8,933,902	32,494
Oleomargarine not made in meat-packing establishments.....	1929	41	1,534	2,263,700	30,890,075	46,521,823	15,631,748	6,670
	1927	36	1,502	2,258,484	27,145,141	39,282,364	12,137,223	8,746
	1925	35	1,639	2,278,102	29,384,433	39,856,084	11,471,601	6,740
	1923	31	1,484	1,921,448	26,772,271	35,952,721	10,180,450	5,922
	1921	41	2,041	2,723,058	28,062,134	39,176,577	11,114,443	(2)
	1919	42	2,851	3,184,118	66,042,792	79,815,580	13,772,788	9,435
	1914	17	917	583,692	10,257,480	15,079,784	4,822,304	3,431
Peanuts: Grading, roasting, cleaning, and shelling.....	1925	69	1,900	977,619	18,183,593	20,623,810	2,440,217	8,830
	1923	70	1,492	748,239	15,176,422	18,189,238	3,012,816	7,703
	1921	66	2,099	1,064,502	17,054,215	19,668,947	2,614,732	(2)
	1919	78	2,460	1,328,712	28,474,052	33,354,877	4,880,325	7,351
	1914	61	2,353	569,409	12,571,391	14,996,369	2,424,978	4,232
Peanuts, walnuts, and other nuts, processed or shelled.....	1929	169	7,933	3,079,740	39,529,486	49,608,894	10,079,408	16,193
	1927	144	7,376	3,287,114	45,890,488	55,949,802	10,059,314	13,950
Rice cleaning and polishing.....	1929	60	1,589	1,448,594	38,443,529	48,793,777	10,350,248	22,901
	1927	60	1,524	1,546,315	46,480,679	54,129,646	7,648,967	23,012
	1925	63	1,296	1,098,124	45,847,273	53,497,867	7,650,584	* 21,906
	1923	69	1,764	1,378,899	40,212,670	47,068,246	6,855,576	22,220
	1921	76	1,940	1,706,986	34,178,609	41,213,472	7,034,863	(2)
	1919	86	2,113	1,932,166	76,633,816	90,038,412	13,404,596	25,340
	1914	59	1,253	645,863	20,615,860	23,039,294	2,423,434	15,571
Shortenings (not including lard) and vegetable cooking oils.....	1929	40	2,712	3,093,946	139,030,964	154,553,197	15,522,233	36,647
	1927	33	2,655	2,624,371	137,078,600	148,468,076	11,389,476	33,462
Sugar, beet.....	1929	82	7,496	10,020,743	70,960,908	108,525,581	37,591,673	146,393
	1927	79	7,402	9,709,969	79,016,770	104,628,584	25,909,814	142,023
	1925	89	8,872	12,088,057	87,038,255	132,339,012	45,300,757	146,985
	1923	84	7,571	10,103,152	70,820,150	118,313,978	47,493,828	127,771
	1921	92	13,602	22,658,392	121,868,863	139,109,655	17,240,792	(2)
	1919	86	11,781	15,908,118	87,029,144	149,155,892	62,126,748	127,394
	1914	60	7,997	6,606,204	41,399,361	62,605,210	21,205,849	76,705

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 1.—SUMMARY FOR GROUP 1—FOOD AND KINDRED PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Vegetable products and beverages—Continued.								
Sugar, cane, not including products of refineries-----	1929	70	2,319	\$1,642,468	\$12,222,558	\$18,325,792	\$6,103,234	66,779
	1927	53	971	639,154	5,830,411	8,009,120	2,178,709	45,705
	1925	94	2,066	1,410,964	11,586,359	13,434,999	1,848,640	72,796
	1923	122	2,820	1,727,893	20,963,005	27,180,783	6,217,778	88,214
	1921	134	2,724	2,295,207	16,941,432	22,961,221	6,019,789	(²)
	1919	202	6,101	4,009,369	44,143,416	57,741,320	13,597,904	101,859
	1914	181	3,632	1,561,376	15,958,218	21,635,373	5,677,155	113,246
Sugar refining, cane-----	1929	21	13,912	17,850,493	438,399,151	507,389,262	68,990,111	98,637
	1927	21	13,909	17,707,257	551,594,278	597,445,682	45,851,354	86,979
	1925	21	14,502	18,955,114	549,895,102	606,632,783	59,736,681	89,098
	1923	20	15,254	20,044,499	681,880,139	726,241,577	44,361,438	72,682
	1921	20	15,457	19,463,410	425,600,908	466,602,352	40,001,444	(²)
	1919	20	18,202	22,710,404	662,143,981	730,986,706	68,842,725	52,541
	1914	18	11,253	7,823,377	264,085,358	289,398,715	25,313,357	49,666
Vinegar and cider-----	1929	172	979	1,021,581	6,016,029	10,450,332	4,434,803	8,674
	1927	158	1,123	1,235,999	5,858,241	10,755,246	4,897,005	7,562
	1925	161	1,243	1,231,947	6,898,080	12,233,099	5,595,019	6,929
	1923	190	1,317	1,279,000	7,462,321	12,535,126	5,072,805	8,414
	1921	227	1,481	1,578,142	9,893,690	18,248,828	8,355,135	(²)
	1919	720	1,981	2,047,469	15,558,525	24,722,610	9,164,085	17,943
	1914	618	1,229	712,667	4,440,452	7,810,892	3,370,440	13,117

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 Revised; revision not carried into total for subgroup or aggregate for group.

⁴ Because of the fact that this industry as constituted at the census for 1929 included poultry packing, the figures for that year are not comparable with those for the "Poultry killing and dressing" industry as reported for 1925 and prior years. The poultry industry was not canvassed at the census for 1927.

⁵ No comparable figures available for earlier years.

⁶ No statistics compiled for 1925.

⁷ Data for the grading, roasting, and shelling of peanuts for 1927 and 1929 are included in the figures for "Peanuts, walnuts, and other nuts, processed or shelled." For 1925 and earlier years the treating of nuts other than peanuts was included in the "Food preparations, not elsewhere classified" industry.

⁸ Formerly classified under the title "Lard substitutes and vegetable cooking oils." No comparable figures for years prior to 1927.

GROUP 2.—TEXTILES AND THEIR PRODUCTS

This group of industries may be divided into three subgroups, namely: (1) The textile-mill industries, that is, those in which are performed one or more of the processes included in the manufacture of the fabric, such as spinning cotton, silk, wool, or other fiber, weaving the fabric from yarn, dyeing and finishing yarn or fabric, and other preparatory and finishing processes; (2) industries in which the establishments cut or manufacture wearing apparel from purchased fabrics; (3) industries in which other articles, such as awnings, tents, bags, horse blankets, flags, regalia, badges, floor coverings, etc., are made from purchased fabrics. In making use of the figures for cost of materials and value of products for the group as a whole, it must be borne in mind that they include a considerable amount of duplication due to the fact that indus-

tries making wearing apparel or other articles from purchased fabrics (subgroups 2 and 3) use the products of the textile mills (subgroup 1) as their principal materials. Even within a single industry considerable duplication of this kind sometimes occurs.

The textile group occupies second place among the 16 groups of industries as ranked according to value of products, being outranked only by the "Food and kindred products" group. (See Table, p. 196.) When the comparison is made on the basis of the average number of wage earners, however, the textile group leads all others.

The following table presents summary statistics for the group as a whole, for each of its subgroups, and for each industry separately.

TABLE 2.—SUMMARY FOR GROUP 2—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929.

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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
Aggregate for the groups.....	1929	27,404	1,707,798	\$1,733,031,423	\$5,103,845,724	\$9,243,302,523	\$4,139,456,799	4,145,998
	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	6,956,464,993	3,155,374,576	(²)
	1919	28,451	1,610,003	1,481,142,946	5,379,387,636	9,210,932,957	3,331,545,321	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
Textile-mill products, total.....	1929	6,974	1,096,163	1,052,970,525	2,820,992,565	5,043,171,018	2,222,178,453	3,843,398
	1927	7,244	1,119,733	1,099,734,717	2,762,674,252	4,933,281,629	2,170,607,377	3,900,023
	1925	7,470	1,110,209	1,066,262,329	3,234,034,647	5,342,617,133	2,108,582,536	3,748,885
	1923	7,816	1,164,638	1,122,751,533	3,213,272,073	5,527,557,587	2,314,285,514	3,556,440
	1921	7,241	993,557	896,373,363	2,136,803,193	3,896,448,661	1,759,045,408	(²)
	1919	7,143	1,052,327	910,047,629	3,258,527,400	5,431,833,549	2,223,356,149	3,024,486
	1914	5,942	950,880	404,600,024	1,185,092,964	1,935,341,548	750,248,584	2,522,862
Carpets and rugs, wool, other than rag.....	1929	67	32,623	40,014,207	86,650,892	176,915,364	90,264,472	65,205
	1927	65	32,820	42,040,892	85,601,835	166,888,408	81,286,573	65,828
	1925	69	33,886	43,382,517	104,195,624	³ 187,778,772	³ 83,583,148	63,008
	1923	79	35,217	48,528,430	97,472,044	199,480,623	102,007,979	53,852
	1921	72	22,922	28,705,036	50,118,134	103,880,500	53,762,366	(²)
	1919	75	23,933	24,216,121	67,118,039	123,253,828	56,135,789	37,593
	1914	97	31,309	14,715,015	42,280,223	60,128,135	26,847,962	42,704
Cloth sponging and refinishing.....	1929	46	902	1,457,104	88,340	3,361,221	3,272,881	800
	1927	52	736	1,502,111	160,779	3,467,938	3,297,150	933
	1925	61	931	1,889,118	203,429	3,888,852	3,685,423	975
	1923	65	1,225	2,209,596	298,263	4,661,736	4,353,473	911
	1921	65	1,123	1,769,597	264,300	4,101,084	3,836,784	(²)
	1919	67	1,206	1,564,661	178,161	3,690,858	3,512,697	927
	1914	51	901	658,377	132,663	1,531,317	1,398,664	677
Cordage and twine.....	1929	123	14,489	12,833,561	54,573,259	91,455,117	36,881,858	73,021
	1927	116	15,084	13,674,081	56,105,063	89,172,495	33,067,432	74,924
	1925	118	15,400	14,018,511	66,847,504	100,447,564	33,600,060	77,563
	1923	121	16,382	15,148,157	53,642,371	88,283,038	34,640,067	72,371
	1921	118	14,593	12,923,694	46,480,950	75,355,705	28,874,755	(²)
	1919	120	17,622	14,700,061	89,705,282	133,366,476	43,661,194	66,556
	1914	105	15,769	6,995,596	43,605,473	59,761,486	16,156,013	55,272

See footnotes at end of table.

TABLE 2.—SUMMARY FOR GROUP 2—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Textile-mill products—Continued.								
Cotton goods.....	1920	1,281	424,916	\$324,289,094	\$808,028,977	\$1,524,177,087	\$626,148,110	2,200,346
	1927	1,347	407,598	380,909,543	871,591,901	1,587,400,612	695,808,711	2,328,830
	1925	1,366	445,184	353,882,870	1,077,152,614	1,714,367,787	637,215,173	2,236,363
	1923	1,375	471,503	306,602,044	1,147,372,215	1,901,125,703	733,753,498	2,153,299
	1921	1,328	412,058	328,226,744	707,442,097	1,278,220,831	670,778,734	(²)
	1919	1,288	480,966	355,474,937	1,277,785,597	2,125,272,193	847,480,596	1,836,298
	1914	1,179	370,366	146,120,428	431,602,540	670,569,116	244,066,575	1,503,823
Cotton small wares.....	1929	202	15,281	15,449,485	33,636,208	65,169,753	31,533,545	27,308
	1927	220	14,958	15,333,332	32,222,020	64,819,965	32,597,945	29,205
	1925	230	16,162	15,547,190	41,816,332	74,675,096	32,858,794	35,760
	1923	228	16,387	15,956,874	38,614,695	73,223,560	34,608,871	31,926
Dyeing and finishing textiles.....	1929	732	70,327	94,244,655	235,712,156	466,820,629	230,108,473	304,057
	1927	743	73,861	91,697,219	210,680,900	406,047,372	195,366,472	287,512
	1925	997	70,749	83,983,377	220,678,181	408,515,484	187,837,303	262,701
	1923	718	63,414	72,524,711	199,156,387	366,623,213	187,466,826	204,128
	1921	599	51,510	58,138,729	141,198,956	276,750,670	135,651,714	(²)
	1919	628	55,985	57,189,973	174,742,815	323,967,683	149,224,868	150,857
	1914	507	48,467	24,872,318	56,705,135	109,291,536	52,586,401	129,327
Felt goods, wool, hair, or jute.....	1929	54	5,540	7,531,298	26,223,967	45,465,323	10,241,856	25,655
	1927	50	5,452	6,653,147	23,289,388	41,894,844	18,605,508	23,479
	1925	50	5,146	6,403,687	26,354,123	43,775,618	17,421,495	23,478
	1923	53	5,735	6,634,964	23,894,634	42,036,964	18,142,380	20,522
	1921	40	4,180	4,625,883	11,232,110	24,120,390	12,897,271	(²)
	1919	49	5,236	4,873,490	22,780,775	39,229,540	16,448,765	10,411
	1914	53	4,035	2,089,243	3,308,270	13,662,765	5,384,496	14,016
Flax and hemp, dressed.....	1929	6	47	35,406	93,477	197,035	103,558	420
	1927	7	62	51,390	116,166	282,895	106,720	654
	1925	9	82	88,534	244,417	450,071	214,054	1,457
	1923	9	62	48,743	173,623	280,765	107,142	877
	1921	6	112	71,747	201,064	267,636	66,572	(²)
	1919	20	420	447,373	1,708,670	2,369,114	600,444	1,020
	1914	16	110	45,271	185,247	282,648	97,401	832
Haircloth.....	1929	13	450	520,069	2,550,563	3,855,388	1,304,825	1,113
	1927	16	335	480,045	2,688,784	3,616,119	927,335	1,312
	1925	15	355	387,450	1,897,479	2,746,225	848,746	1,068
	1923	18	499	464,401	2,511,986	3,733,969	1,221,933	1,333
	1921	17	301	329,110	1,546,061	2,618,319	1,072,268	(²)
	1919	18	425	425,149	2,269,142	3,315,113	1,055,971	972
	1914	19	595	290,280	1,664,006	2,395,480	741,480	1,539
Hats, fur-felt.....	1929	159	16,539	22,502,542	55,208,045	102,004,105	46,706,120	19,894
	1927	139	15,896	22,854,664	51,083,267	99,184,842	48,131,686	20,517
	1925	146	15,156	20,466,420	40,124,184	80,066,390	39,042,206	17,948
	1923	163	16,722	21,531,362	34,447,768	75,253,064	40,805,296	18,488
	1921	154	13,880	16,881,848	26,252,448	52,614,187	26,361,719	(²)
	1919	176	18,510	19,042,531	40,168,010	82,745,303	42,587,289	20,377
	1914	224	21,318	12,070,812	16,947,058	37,349,744	20,402,686	20,774
Hats, wool-felt.....	1929	14	2,028	2,314,680	4,678,189	9,055,590	4,377,401	2,811
	1927	12	2,113	2,190,031	4,439,717	8,305,616	4,316,899	2,405
	1925	22	1,854	1,985,798	5,122,755	8,948,644	3,825,889	2,550
	1923	21	1,950	2,004,774	4,457,010	8,643,217	4,186,207	2,762
	1921	26	1,428	1,347,685	2,453,607	4,904,324	2,510,717	(²)
	1919	40	1,448	1,387,777	3,699,822	6,739,652	3,039,830	2,604
	1914	30	1,249	599,678	978,330	1,944,434	966,145	3,091
Jute goods.....	1929	20	4,931	4,276,143	11,967,578	21,899,757	9,902,179	35,079
	1927	23	5,358	4,987,228	11,802,328	23,185,997	11,383,669	36,210
	1925	23	6,312	5,639,754	14,566,709	27,517,467	12,950,768	28,753
	1923	19	6,042	5,773,053	12,348,303	25,421,683	13,073,380	24,174
	1921	24	5,664	4,639,347	8,943,459	17,506,140	8,562,681	(²)
	1919	26	7,138	6,436,286	17,708,834	34,442,698	16,733,864	32,135
	1914	34	7,987	3,060,010	12,579,840	16,513,874	3,934,034	28,533
Knit goods.....	1929	1,838	208,488	210,714,335	456,700,958	899,716,672	443,015,714	181,879
	1927	1,869	190,283	188,163,458	424,099,384	816,020,404	392,521,110	177,216
	1925	1,987	186,668	168,682,840	453,925,780	809,960,213	356,034,433	176,630
	1923	2,323	194,244	168,271,584	484,020,075	848,176,734	364,156,660	183,075
	1921	2,078	161,880	132,190,349	360,457,833	634,073,895	273,616,092	(²)
	1919	2,050	172,672	125,199,820	427,095,560	713,139,689	286,044,129	149,438
	1914	1,622	160,520	59,768,151	146,687,468	268,912,903	112,225,445	122,010
Lace goods.....	1929	42	6,854	7,670,122	10,112,353	29,237,434	19,125,081	10,466
	1927	43	6,482	7,684,848	11,392,379	27,293,159	15,905,780	11,309
	1925	42	7,006	7,620,166	13,361,423	30,843,507	17,482,084	9,507
	1923	39	7,307	8,084,968	14,631,019	35,791,873	21,160,859	9,545
	1921	37	6,396	6,208,992	11,321,446	25,981,093	14,659,647	(²)
	1919	44	6,490	6,086,557	13,075,994	29,396,853	16,320,859	9,078
	1914	41	7,440	3,468,081	5,676,948	13,206,785	7,529,837	8,817
Linen goods.....	1929	16	2,195	2,185,339	5,214,428	9,738,898	4,522,470	11,006
	1927	18	2,630	2,545,210	5,409,441	10,377,346	4,967,905	11,473
	1925	18	2,607	2,462,179	6,394,303	11,156,585	4,762,282	12,119
	1923	18	2,880	2,897,005	6,073,163	11,390,254	5,317,091	9,803
	1921	15	2,519	2,123,021	4,463,866	8,209,598	3,745,730	(²)
	1919	10	1,890	1,635,642	4,190,187	6,998,046	2,807,859	6,069
	1914	21	3,567	1,386,117	4,289,104	6,959,798	2,670,604	9,932
Mats and matting, grass and coir.....	1929	7	467	439,802	684,951	1,692,200	1,007,249	1,293
	1927	7	422	398,426	668,856	1,536,567	867,711	1,425
	1925	10	902	766,871	1,526,453	3,491,533	1,965,086	2,147
	1923	11	986	896,959	1,509,467	3,890,369	2,380,892	1,980
	1921	13	628	570,134	1,020,348	2,321,710	1,301,362	(²)
	1919	12	1,073	810,607	2,102,580	4,860,855	2,788,275	1,670
	1914	12	869	455,247	1,170,214	2,235,867	1,065,658	1,643

See footnotes at end of table.

TABLE 2.—SUMMARY FOR GROUP 2—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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	Horsepower
Textile-mill products—Continued.								
Silk and rayon manufactures.....	1920	1,491	130,407	\$137,547,146	\$412,181,280	\$731,200,231	\$319,018,971	220,225
	1927	1,648	127,643	140,063,583	445,300,676	750,123,705	304,733,029	221,249
	1925	1,659	132,509	142,733,639	484,122,527	808,979,399	324,856,872	212,609
	1923	1,598	125,234	126,849,454	479,038,263	761,322,119	282,283,856	206,020
	1921	1,565	121,378	118,395,626	337,658,799	583,418,760	245,859,967	(²)
	1919	1,369	126,782	108,220,330	388,469,022	888,469,523	300,000,501	173,748
	1914	902	108,170	47,108,469	144,442,321	254,011,257	109,568,936	111,417
Wool pulling.....	1929	18	596	907,278	10,916,994	13,648,064	2,731,070	1,847
	1927	18	524	768,900	12,406,056	14,640,401	2,174,345	2,403
	1925	23	573	840,859	13,937,313	15,209,221	1,571,908	2,706
	1923	27	698	860,468	11,308,221	15,176,021	3,867,800	2,837
	1921	22	552	693,476	5,197,095	6,767,161	1,570,066	(²)
	1919	24	705	909,788	12,809,592	17,361,231	4,551,639	2,162
	1914	34	708	452,190	6,632,101	8,272,721	1,640,620	2,248
Wool scouring.....	1929	21	1,302	1,770,974	3,021,731	6,241,264	3,219,533	8,241
	1927	25	1,386	1,981,774	3,009,956	6,661,094	3,652,038	7,935
	1925	25	1,112	1,600,057	2,527,166	5,831,480	3,304,314	7,823
	1923	26	1,473	2,025,307	4,528,982	8,190,091	3,661,109	6,976
	1921	24	1,536	2,067,467	3,303,717	6,819,605	3,516,888	(²)
	1919	33	2,177	2,895,453	7,228,350	13,679,584	6,451,234	9,710
	1914	24	1,050	616,593	3,176,438	4,565,412	1,388,974	7,570
Wool shoddy.....	1929	50	1,762	2,109,374	10,126,717	15,344,978	5,218,201	15,940
	1927	55	1,679	1,916,195	7,980,875	12,696,726	4,615,851	15,353
	1925	68	2,218	2,609,261	14,912,456	21,021,882	6,109,426	15,435
	1923	59	2,128	2,442,522	10,627,386	16,697,515	6,070,129	12,496
	1921	53	1,170	1,256,249	4,479,966	6,803,118	2,323,162	(²)
	1919	78	2,566	2,653,169	16,076,315	23,254,398	7,178,083	10,567
	1914	64	2,145	1,056,114	5,299,903	7,706,843	2,400,940	12,244
Woolen goods.....	1929	460	58,474	66,013,599	165,882,063	290,038,949	125,056,886	195,247
	1927	471	61,790	72,156,158	172,700,233	301,308,743	128,608,510	191,703
	1925	508	67,056	82,436,037	219,618,330	361,524,034	141,905,704	193,080
	1923	513	72,408	87,313,708	201,647,430	364,237,817	162,740,387	180,657
	1921	493	56,434	62,893,150	120,275,820	230,044,847	110,669,027	(²)
	1919	560	62,957	66,595,826	217,665,333	364,896,590	146,931,257	172,191
	1914	501	49,165	24,204,479	63,696,042	103,815,905	40,119,863	133,052
Worsted goods.....	1929	264	88,485	98,137,732	336,649,459	536,067,399	199,417,940	372,536
	1927	288	92,571	101,665,747	329,407,609	516,669,556	187,261,947	364,422
	1925	329	98,168	108,834,754	400,783,613	599,266,304	195,482,691	377,215
	1923	338	122,144	135,070,814	421,184,417	698,270,621	277,086,204	357,808
	1921	321	105,930	112,001,618	279,769,742	524,638,921	244,869,179	(²)
	1919	292	103,830	101,612,855	447,629,350	700,637,482	252,908,132	294,028
	1914	298	109,527	51,748,966	182,800,624	275,668,474	92,867,850	242,521
Wearing apparel made from purchased fabrics, total.....	1929	16,105	536,561	599,658,848	1,887,041,767	3,536,040,536	1,668,908,769	137,880
	1927	15,486	501,656	578,152,148	1,771,890,310	3,391,880,751	1,619,990,441	126,723
	1925	14,883	466,346	534,823,022	1,741,617,883	3,243,848,944	1,602,231,061	119,744
	1923	16,004	499,413	568,138,539	1,852,223,720	3,443,939,800	1,591,711,086	132,317
	1921	16,784	473,574	534,312,484	1,424,284,434	2,710,656,748	1,286,372,314	(²)
	1919	18,778	507,700	526,955,210	1,745,930,094	3,198,146,442	1,452,215,748	131,965
	1914	14,953	510,595	250,112,677	673,011,767	1,297,273,643	624,261,876	117,911
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified.....	1929	3,691	149,868	179,768,808	440,504,079	901,104,205	460,599,226	40,325
	1927	3,662	146,090	184,613,090	447,244,635	932,181,718	484,937,083	34,351
	1925	3,491	141,511	179,044,721	471,501,209	949,274,140	474,772,931	33,207
	1923	4,024	156,173	207,252,217	483,826,728	1,010,721,705	532,794,977	40,260
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), men's.....	1929	511	38,201	26,047,078	83,551,715	138,450,078	54,896,868	11,492
	1927	556	40,612	29,045,915	85,134,183	147,289,025	62,154,842	11,218
	1925	509	32,821	24,802,029	85,069,311	140,963,602	54,994,291	11,642
	1923	583	36,647	28,234,741	100,877,194	161,993,020	61,115,832	12,392
Clothing, men's, buttonholes.....	1929	32	292	314,192	60,792	573,909	513,117	104
	1927	40	412	428,817	98,020	917,932	819,803	132
	1925	30	327	346,855	71,047	658,064	587,017	87
	1923	37	334	409,251	103,080	804,427	701,347	105
	1921	37	329	347,978	77,406	646,047	568,641	(²)
	1919	107	484	514,600	123,266	1,090,049	966,783	176
	1914	139	672	326,322	90,012	637,728	547,716	205
Collars, men's.....	1929	15	2,952	2,263,335	3,630,168	8,740,396	5,110,228	1,281
	1927	24	3,270	2,966,938	5,866,677	13,264,207	7,397,530	3,131
	1925	28	7,187	5,502,920	11,792,449	27,587,075	15,795,226	4,497
	1923	37	10,449	7,959,700	18,369,580	42,666,218	24,286,638	5,050
	1921	34	9,285	7,061,018	12,374,054	29,571,374	17,167,820	(²)
	1919	39	11,103	7,430,729	10,434,095	47,564,949	28,130,854	6,276
	1914	35	10,100	4,404,146	6,565,578	18,530,840	11,966,262	3,359
Furnishing goods, men's, not elsewhere classified.....	1929	598	26,588	23,009,391	83,631,818	150,963,603	67,331,785	7,036
	1927	534	25,133	22,070,339	82,830,406	145,474,143	62,634,737	7,100
	1925	419	21,094	17,438,160	69,861,348	120,867,566	51,006,248	4,977
	1923	454	18,958	14,810,103	57,236,879	102,951,087	45,714,508	5,470
	1921	421	15,921	12,469,819	47,193,111	77,526,542	30,333,431	(²)
	1919	487	18,944	13,662,866	64,743,912	107,834,695	43,090,783	5,659
	1914	551	22,459	8,415,480	31,593,442	52,453,338	20,859,806	5,840
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.....	1929	125	9,279	5,914,275	10,289,234	29,882,958	10,593,724	3,702
	1927	131	10,296	6,669,708	17,392,166	39,202,152	12,809,986	4,112
	1925	139	9,061	5,709,401	17,977,323	29,531,716	11,554,393	4,102
	1923	129	8,864	5,295,995	18,292,054	28,125,528	9,833,474	3,143
	1921	128	5,758	3,294,079	10,191,476	15,212,899	5,021,423	(²)
	1919	182	8,986	4,855,246	16,092,462	28,220,113	12,127,651	3,304

See footnotes at end of table.

INDUSTRY GROUPS

TABLE 2.—SUMMARY FOR GROUP 2—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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	Horsepower
Wearing apparel made from purchased fabrics—Continued.								
Hats and caps, except felt and straw, men's.....	1929	576	5, 826	\$7, 694, 078	\$16, 907, 661	\$35, 900, 664	\$18, 993, 003	1, 796
	1927	568	6, 300	9, 126, 438	20, 702, 290	41, 213, 965	20, 511, 669	1, 899
	1925	579	6, 552	9, 242, 937	22, 698, 729	43, 822, 729	21, 124, 000	1, 876
	1923	661	7, 313	9, 693, 883	22, 250, 182	42, 811, 444	20, 561, 202	1, 782
	1921	584	6, 506	8, 701, 150	18, 536, 932	36, 987, 008	18, 450, 026	(?)
	1919	709	7, 539	9, 438, 884	24, 176, 514	44, 639, 861	20, 863, 347	1, 687
	1914	580	7, 322	4, 507, 521	9, 207, 577	18, 593, 221	9, 325, 644	1, 313
Shirts.....	1929	863	59, 830	43, 428, 224	116, 078, 496	228, 321, 616	111, 643, 120	17, 040
	1927	907	57, 216	42, 697, 827	129, 743, 737	241, 049, 939	111, 906, 202	14, 916
	1925	840	49, 864	35, 673, 731	120, 753, 752	225, 062, 922	96, 209, 170	13, 884
	1923	934	51, 672	37, 943, 405	139, 354, 361	241, 331, 220	101, 676, 865	14, 050
	1921	860	45, 427	33, 182, 332	123, 259, 180	203, 044, 376	80, 685, 190	(?)
	1919	896	39, 603	25, 533, 555	127, 087, 745	205, 327, 133	78, 239, 388	14, 890
	1914	792	61, 972	19, 169, 697	60, 064, 974	95, 815, 013	45, 150, 039	17, 117
Suspenders, garters, and other elastic woven goods, made from purchased webbing.....	1929	91	4, 341	3, 071, 030	17, 905, 748	30, 473, 160	12, 567, 421	1, 180
	1927	91	4, 061	3, 529, 147	16, 259, 683	26, 085, 376	10, 725, 693	983
	1925	93	3, 835	3, 072, 362	16, 499, 815	27, 504, 028	11, 064, 113	878
	1923	100	3, 458	2, 891, 520	13, 934, 072	24, 237, 342	10, 363, 270	809
Clothing, women's, not elsewhere classified.....	1929	8, 082	187, 500	243, 851, 143	684, 413, 683	1, 709, 580, 505	775, 166, 822	35, 291
	1927	7, 588	154, 459	211, 349, 759	809, 520, 125	1, 494, 401, 044	684, 880, 910	30, 287
	1925	6, 127	120, 466	175, 044, 511	724, 208, 974	1, 293, 705, 291	560, 406, 317	24, 316
	1923	7, 046	133, 195	170, 445, 518	806, 560, 862	1, 400, 683, 835	597, 123, 033	27, 704
	1921	7, 061	144, 865	185, 082, 108	567, 316, 452	1, 022, 742, 796	454, 932, 344	(?)
	1919	7, 711	165, 049	196, 265, 834	680, 406, 844	1, 208, 543, 128	528, 136, 284	32, 421
	1914	5, 564	168, 907	92, 573, 642	252, 346, 040	473, 888, 354	221, 543, 314	27, 874
Corsets and allied garments.....	1929	213	13, 064	12, 446, 334	36, 035, 079	76, 802, 190	40, 767, 120	6, 048
	1927	222	13, 778	12, 402, 288	35, 304, 422	77, 218, 202	41, 823, 780	7, 819
	1925	185	14, 525	12, 394, 094	37, 808, 237	77, 114, 840	39, 306, 603	8, 394
	1923	216	16, 104	13, 258, 200	35, 416, 008	78, 047, 059	39, 631, 951	5, 901
	1921	173	17, 084	13, 102, 159	35, 857, 277	75, 600, 156	36, 742, 879	(?)
	1919	188	18, 415	13, 082, 242	38, 815, 803	75, 541, 950	36, 720, 156	6, 956
	1914	167	20, 496	7, 976, 721	19, 586, 633	40, 550, 702	20, 064, 160	6, 962
Handkerchiefs.....	1929	105	6, 014	4, 635, 901	16, 342, 735	29, 553, 777	13, 211, 042	2, 409
	1927	115	6, 659	5, 264, 147	18, 205, 237	31, 588, 220	13, 352, 983	2, 035
Millinery.....	1929	1, 293	32, 206	42, 715, 059	98, 089, 659	195, 093, 457	97, 668, 798	10, 176
	1927	1, 148	33, 311	46, 787, 735	108, 489, 714	209, 494, 828	106, 065, 114	7, 920
Other articles made from purchased fabrics, total.....	1929	4, 235	75, 074	83, 402, 050	415, 811, 392	664, 090, 969	248, 279, 577	164, 720
	1927	4, 113	73, 027	82, 071, 274	388, 151, 306	625, 310, 493	237, 159, 187	140, 692
	1925	3, 097	51, 228	53, 728, 025	374, 272, 240	539, 688, 775	165, 416, 535	117, 893
	1923	2, 043	51, 242	52, 007, 045	328, 940, 522	490, 784, 573	161, 844, 051	94, 644
	1921	1, 930	42, 007	41, 667, 251	240, 002, 760	349, 359, 554	109, 356, 794	(?)
	1919	2, 530	49, 976	44, 140, 107	374, 923, 542	530, 902, 966	155, 973, 424	91, 913
	1914	2, 455	44, 437	21, 063, 042	155, 633, 107	212, 195, 232	56, 562, 125	76, 305
Artificial leather.....	1929	17	2, 590	3, 055, 702	22, 287, 938	32, 961, 252	10, 693, 314	14, 650
	1927	19	2, 730	4, 006, 613	21, 827, 645	34, 228, 101	12, 400, 456	14, 467
	1925	18	2, 650	3, 800, 990	31, 238, 270	40, 031, 682	9, 693, 403	10, 593
	1923	17	2, 462	3, 234, 671	22, 624, 398	33, 557, 034	10, 933, 236	8, 359
	1921	19	1, 444	1, 801, 384	11, 247, 109	15, 515, 739	4, 268, 630	(?)
	1919	17	2, 011	2, 163, 171	18, 132, 204	26, 281, 906	8, 149, 762	4, 952
	1914	10	795	484, 578	4, 103, 256	6, 097, 293	1, 939, 037	1, 674
Asphalted-felt-base floor covering.....	1929	14	2, 345	3, 501, 238	14, 278, 805	31, 888, 902	17, 610, 167	11, 092
	1927	12	2, 442	3, 694, 808	16, 186, 459	34, 100, 585	17, 914, 126	8, 904
	1925	11	2, 464	3, 337, 770	14, 980, 491	32, 532, 483	17, 601, 992	9, 575
	1923	9	1, 682	2, 203, 611	9, 139, 914	25, 280, 160	16, 140, 246	2, 700
	1921	10	816	981, 002	3, 716, 611	10, 147, 305	6, 430, 694	(?)
Awnings, tents, sails, and canvas covers.....	1929	1, 002	7, 162	8, 559, 321	25, 323, 140	49, 237, 576	23, 909, 436	4, 966
	1927	963	6, 543	6, 229, 362	24, 409, 718	47, 629, 362	23, 519, 933	4, 850
	1925	905	6, 249	7, 500, 561	27, 453, 153	48, 568, 084	21, 115, 828	4, 564
	1923	814	5, 958	6, 922, 938	25, 229, 222	45, 276, 566	20, 046, 534	4, 728
	1921	709	5, 070	5, 930, 577	21, 327, 125	37, 011, 718	15, 684, 593	(?)
	1919	895	6, 028	6, 858, 523	26, 961, 140	45, 690, 390	18, 729, 290	4, 571
	1914	888	5, 073	2, 983, 884	10, 155, 101	18, 138, 326	7, 983, 225	2, 602
Bags, other than paper, not made in textile mills.....	1929	202	11, 828	9, 644, 876	144, 276, 477	170, 175, 893	25, 900, 416	10, 159
	1927	181	11, 164	9, 548, 317	136, 748, 496	162, 949, 837	26, 201, 431	15, 754
	1925	162	11, 404	9, 331, 815	150, 102, 277	175, 081, 911	24, 979, 634	15, 295
	1923	169	11, 548	9, 360, 999	128, 221, 603	151, 675, 727	23, 454, 124	13, 852
	1921	169	10, 324	8, 031, 523	99, 437, 815	115, 452, 413	16, 014, 598	(?)
	1919	216	10, 756	7, 756, 582	176, 017, 560	214, 059, 474	38, 041, 914	9, 076
	1914	138	9, 358	3, 788, 837	67, 021, 376	79, 040, 151	12, 027, 775	10, 381
Belting, other than leather and rubber, not made in textile mills.....	1929	9	265	298, 910	1, 328, 090	2, 788, 627	1, 460, 537	1, 648
	1927	11	343	410, 698	1, 489, 841	3, 211, 875	1, 722, 034	1, 457
	1925	11	254	264, 246	1, 695, 602	3, 111, 500	1, 515, 898	914
	1923	13	335	350, 736	1, 674, 041	3, 311, 527	1, 637, 486	930
Carpets and rugs, rag.....	1929	94	1, 529	1, 562, 372	1, 658, 937	5, 510, 768	3, 851, 831	2, 416
	1927	110	1, 633	1, 677, 572	1, 636, 371	5, 890, 265	4, 263, 894	2, 005
	1925	139	1, 901	1, 875, 750	1, 942, 334	5, 709, 812	3, 767, 478	2, 349
	1923	151	2, 041	1, 856, 701	2, 095, 167	6, 097, 441	4, 002, 274	2, 587
	1921	149	1, 576	1, 440, 407	1, 639, 171	4, 800, 405	3, 221, 234	(?)
	1919	339	2, 016	1, 550, 501	2, 037, 874	5, 597, 067	3, 559, 183	2, 659
	1914	463	2, 130	994, 608	721, 728	2, 786, 439	2, 064, 711	2, 656
Embroideries.....	1929	813	6, 622	7, 867, 908	6, 608, 840	25, 286, 796	18, 677, 956	2, 279
	1927	1, 069	8, 964	10, 962, 090	7, 959, 769	32, 418, 888	24, 459, 119	2, 930

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 2.—SUMMARY FOR GROUP 2—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Other articles made from purchased fabrics—Continued.								
Flags and banners.....	1929	54	938	\$794,328	\$1,771,320	\$3,835,824	\$2,064,504	577
	1927	46	1,046	897,906	2,282,456	4,536,348	2,258,892	700
	1925	49	1,031	890,426	2,332,222	4,588,111	2,255,889	629
	1923	52	878	758,485	2,024,130	3,807,308	1,783,178	748
	1921	57	991	776,931	1,850,333	3,036,990	1,786,057	(²)
	1919	79	1,065	795,242	3,286,165	5,346,089	2,059,924	778
	1914	87	1,495	689,975	1,760,094	3,601,310	1,851,216	637
Hat and cap materials, men's.....	1929	112	2,504	2,875,718	17,305,115	25,030,943	7,725,828	5,164
	1927	90	2,762	2,658,871	15,671,792	23,339,341	7,667,549	5,168
	1925	89	2,127	2,413,187	15,218,093	22,049,047	6,830,954	5,141
	1923	104	2,304	2,410,808	13,863,235	20,507,592	6,644,357	4,749
	1921	103	1,722	1,737,221	6,713,371	11,545,326	4,831,955	(²)
	1919	133	3,009	3,132,671	16,043,919	26,521,212	9,877,293	4,927
	1914	98	1,775	804,240	5,051,857	6,920,342	1,877,485	2,946
Horse blankets, fly nets, and related products.....	1929	14	582	497,871	1,470,670	2,895,168	1,424,488	1,375
	1927	16	660	574,177	1,877,896	3,379,105	1,501,209	1,421
	1925	20	604	564,061	2,535,217	3,896,918	1,861,701	1,773
	1923	22	841	609,555	2,773,844	5,136,544	2,362,700	2,900
	1921	27	705	682,175	2,077,487	3,834,586	1,157,090	(²)
	1919	28	766	551,278	3,455,686	6,020,612	2,564,926	1,577
	1914	37	1,669	668,305	3,568,769	5,150,482	1,581,713	1,903
House-furnishing goods, not elsewhere classified.....	1929	964	15,794	16,150,499	76,624,989	127,602,002	50,977,013	16,866
	1927	648	11,691	10,947,269	52,704,736	87,676,006	34,971,870	12,997
	1925	433	9,307	9,142,570	51,078,800	78,654,563	27,575,763	10,702
	1923	452	8,708	8,454,350	44,666,898	60,333,182	24,066,284	9,969
	1921	419	7,504	6,955,472	35,106,227	54,550,787	19,444,560	(²)
	1919	467	7,853	6,443,915	39,793,962	60,211,804	20,417,842	11,857
	1914	370	6,935	3,306,515	17,390,886	26,462,937	9,062,051	11,276
Linoleum.....	1929	7	5,544	8,560,183	27,489,253	57,250,449	29,761,196	51,647
	1927	7	5,364	8,176,644	24,215,618	47,442,441	23,226,823	41,432
	1925	6	4,872	6,392,699	19,966,626	44,999,453	25,032,827	31,840
	1923	7	6,201	8,375,839	27,277,311	52,527,106	25,249,795	23,206
	1921	9	4,877	6,226,341	21,918,444	38,474,848	16,556,404	(²)
Nets and seines.....	1929	19	903	708,871	3,789,356	6,164,403	2,375,047	1,155
	1927	21	899	776,326	3,347,719	5,401,173	2,053,454	1,182
	1925	21	885	762,489	3,478,993	5,167,491	1,678,498	1,190
	1923	17	882	749,482	3,167,327	4,627,692	1,470,865	1,082
	1921	15	705	495,015	1,946,749	3,015,865	1,070,116	(²)
	1919	19	859	581,282	3,048,206	5,114,414	1,466,208	959
	1914	15	1,058	378,741	2,267,093	3,088,042	830,949	1,934
Oilcloth.....	1929	9	1,412	2,144,067	14,924,651	23,107,272	8,182,621	5,017
	1927	8	1,072	1,745,575	11,818,624	17,642,442	5,823,818	3,565
	1925	9	1,160	1,675,299	13,549,171	17,843,375	4,294,204	3,484
	1923	9	1,203	1,731,016	12,165,028	17,719,054	5,554,026	2,886
	1921	10	947	1,337,126	9,283,993	13,691,448	4,407,455	(²)
	1919	11	1,130	1,200,877	11,140,723	16,436,875	4,296,152	4,251
	1914	13	1,223	608,947	6,523,087	7,966,025	1,472,038	3,490
Regalia, badges, and emblems.....	1929	77	1,757	1,824,590	3,227,286	7,927,214	4,699,978	1,105
	1927	76	1,675	1,760,438	3,018,948	7,691,253	4,672,305	1,015
	1925	85	1,992	2,032,892	3,929,261	9,623,018	5,600,757	1,068
	1923	84	2,149	2,090,012	4,242,715	10,585,946	6,343,131	1,160
	1921	81	2,204	2,048,356	4,422,824	10,369,349	5,936,525	(²)
	1919	115	2,223	1,800,383	4,287,055	9,895,470	5,108,415	1,321
	1914	138	2,010	979,963	2,205,068	5,025,451	2,820,383	655
Trimnings (not made in textile mills) and stamped art goods for embroidering.....	1929	639	7,934	9,761,881	20,783,226	45,179,933	24,396,707	3,068
Upholstering materials, not elsewhere classified.....	1929	53	1,410	1,317,371	7,046,334	11,234,192	4,187,858	3,915
	1927	39	1,080	1,162,456	6,556,109	9,672,806	3,116,697	4,482
	1925	34	1,193	1,174,403	5,122,777	7,997,832	2,875,055	3,380
	1923	35	1,248	1,279,830	4,537,787	7,641,279	3,103,492	2,442
	1921	35	740	685,529	2,687,712	4,081,273	1,393,561	(²)
	1919	51	1,557	1,379,633	4,794,722	8,694,295	3,899,673	4,338
	1914	70	2,454	1,100,525	5,285,118	7,878,807	2,593,689	6,198
Waste ⁴	1929	136	3,905	3,316,344	25,633,015	36,013,705	10,380,690	18,592
	1927	118	3,494	2,852,971	23,049,393	33,377,276	10,327,883	14,529
	1925	105	3,033	2,569,827	29,765,941	38,942,595	9,176,654	13,064
	1923	88	2,745	2,468,612	25,247,902	33,700,725	8,452,823	12,347
	1921	87	1,863	1,428,747	12,632,418	16,791,004	4,158,586	(²)
	1919	98	2,810	2,224,872	22,719,612	30,683,825	7,964,213	11,837
	1914	70	3,082	1,239,918	15,472,774	17,958,627	2,485,853	8,506

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 Revised; revision not carried into total for subgroup or aggregate for group.⁴ No comparable figures available for earlier years.⁵ Figures published in report for 1927 not comparable with those for 1929 because of a change in classification.⁶ Data for establishments engaged in the production of oakum are included for all years except 1921. For that year, the figures for 2 establishments reporting oakum as their principal product were included in those for "All other industries."

GROUP 3.—FOREST PRODUCTS

The forest products group, which comprises the industries engaged in the manufacture of lumber and of the various classes of products made from lumber, embraces practically all the industries in which wood in some form is the principal material. Among the products of some of these industries are articles made from other materials than lumber. For example, the furniture industry includes the manufacture of metal furniture and metal store and office fixtures. Considering the industry as a whole, however, wood is the principal material, and therefore it has been included in this group.

This group has been changed slightly as compared with the corresponding one as constituted at the census

for 1927, by the transfer to the "Furniture, including store and office fixtures" industry of establishments engaged primarily in the manufacture of sewing-machine cases, cabinets, and tables, formerly classified in the "Sewing machines, cases, and attachments" industry, in Group 13. The 1927 figures for the furniture industry and for the "Furniture and related industries" subgroup, and the 1927 aggregates for the group as a whole have been adjusted for comparison with 1929, but no adjustments have been made for 1925 or earlier years.

Summary statistics for the group and its component subgroups and industries are given in the table below.

TABLE 3.—SUMMARY FOR GROUP 3—FOREST PRODUCTS: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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
Aggregate for the group.....	1929	26,012	876,383	\$639,382,973	\$1,586,182,053	\$3,591,765,090	\$2,005,582,137	3,674,204
	1927	20,160	864,508	631,020,537	1,639,047,040	3,462,925,167	1,826,278,127	3,332,457
	1925	21,925	921,266	678,472,291	1,725,350,920	3,689,126,705	1,963,775,785	3,472,970
	1923	21,878	931,816	662,594,530	1,669,395,023	3,633,385,573	1,966,090,550	3,336,236
	1921	21,898	703,360	670,481,643	1,197,027,939	2,456,857,043	1,259,229,104	(²)
	1919	41,201	864,001	859,872,003	1,368,341,322	3,113,490,426	1,745,119,104	3,409,746
	1914	43,465	865,294	446,897,411	765,955,795	1,016,452,752	850,516,957	3,176,436
Basic industries, total.....	1929	14,164	460,482	437,840,193	432,336,872	1,314,762,721	882,425,849	1,997,963
	1927	8,723	453,131	431,496,490	508,679,028	1,259,369,752	750,690,124	1,795,376
	1925	10,286	504,711	473,085,408	593,935,093	1,468,427,334	874,402,241	2,064,031
	1923	10,671	531,545	492,617,237	584,802,432	1,534,990,576	950,188,144	1,944,962
	1921	10,233	392,756	323,077,320	386,881,353	930,015,365	543,134,012	(³)
	1919	27,405	610,254	507,536,475	487,412,343	1,445,436,157	966,023,814	2,367,953
	1914	28,722	616,780	249,117,996	283,900,348	738,815,980	449,925,632	2,203,552
Excelsior.....	1929	66	1,241	1,219,144	2,439,530	5,008,769	2,569,239	10,607
	1927	64	1,272	1,181,488	2,547,114	4,821,098	2,273,984	10,930
	1925	72	1,300	1,179,667	2,573,016	4,901,085	2,323,069	11,993
	1923	75	1,285	1,206,204	2,795,841	5,361,830	2,595,989	10,939
	1921	79	1,087	978,186	2,754,731	4,213,214	1,458,483	(⁴)
	1919	95	1,242	1,144,503	2,521,967	4,913,450	2,391,483	10,332
	1914	99	1,177	558,464	1,402,014	2,515,456	1,112,542	10,715
Lumber and timber products, not elsewhere classified.....	1929	12,915	419,084	421,584,874	419,603,388	1,273,472,320	853,868,932	1,985,301
	1927	7,510	413,046	413,361,954	493,959,120	1,214,645,833	720,686,563	1,781,734
	1925	9,207	467,090	456,715,095	579,474,682	1,421,161,836	841,687,154	2,049,500
	1923	9,393	495,932	475,962,443	573,063,888	1,494,492,031	921,398,198	1,932,091
	1921	9,092	364,247	313,486,957	377,927,443	902,501,306	524,878,363	(⁵)
	1919	26,119	480,945	489,419,091	470,960,488	1,387,471,413	916,510,925	2,355,345
	1914	27,229	479,786	239,976,582	281,951,873	715,310,333	433,358,460	2,190,359
Turpentine and rosin.....	1929	1,183	40,157	15,036,175	10,293,054	36,281,632	25,987,673	1,995
	1927	1,140	37,913	16,953,054	12,173,394	39,902,671	27,729,577	3,211
	1925	1,007	29,413	15,190,076	11,887,395	42,364,413	30,477,018	3,138
	1923	1,203	34,328	15,448,590	8,972,758	35,166,715	26,193,957	1,932
	1921	1,062	27,422	9,512,177	6,199,170	23,300,845	17,101,666	(⁶)
	1919	1,191	28,067	16,972,881	13,929,888	53,051,294	39,121,406	2,276
	1914	1,394	34,817	8,582,970	5,535,561	20,990,191	15,454,630	2,478

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 3.—SUMMARY FOR GROUP 3—FOREST PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Wood-reworking industries, total.	1929	6,081	114,640	\$142,566,381	\$337,264,405	\$655,344,743	\$318,080,338	787,660
	1927	5,582	117,905	149,782,771	359,316,239	672,336,252	313,020,013	727,274
	1925	5,727	132,115	169,154,028	440,457,058	798,238,374	317,831,316	680,399
	1923	5,159	126,066	156,706,992	441,283,558	785,751,079	342,467,521	575,740
	1921	5,314	97,416	115,619,175	307,688,026	538,017,025	230,628,099	(²)
	1919	6,554	109,137	112,408,160	334,876,271	580,482,054	245,603,733	495,720
	1914	7,229	119,535	73,767,544	203,646,785	350,637,790	146,689,911	486,538
Lasts and related products.	1929	58	1,760	2,569,368	2,314,597	7,689,555	5,374,958	7,230
	1927	59	1,718	2,504,116	2,505,032	7,529,149	5,024,117	7,655
	1925	62	2,035	3,012,133	3,049,014	9,301,105	6,252,001	7,512
	1923	64	2,258	3,122,737	3,196,640	9,899,925	6,703,285	6,995
	1921	67	2,618	3,492,152	4,335,965	12,377,360	8,041,395	(³)
	1919	64	2,910	3,415,950	3,932,662	12,470,539	8,537,877	5,539
	1914	66	2,094	1,511,299	1,342,720	4,589,215	3,246,495	5,227
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills.	1929	4,849	90,134	116,422,664	206,008,499	553,583,498	257,574,999	677,998
	1927	4,561	96,589	126,139,713	321,443,318	581,633,737	260,190,419	630,674
	1925	4,701	111,329	146,592,039	403,226,787	710,861,287	307,634,500	597,103
	1923	4,215	103,008	133,328,599	401,173,813	692,784,284	291,010,471	493,424
	1921	4,366	78,033	95,954,153	272,081,818	462,648,874	190,567,056	(⁴)
	1919	5,309	86,956	91,976,526	299,265,652	500,438,258	201,172,606	417,070
	1914	5,841	96,214	61,949,230	184,227,441	307,672,478	123,445,037	410,259
Window and door screens and weather strip.	1929	280	4,034	4,957,661	10,512,746	24,451,700	13,938,954	14,084
	1927	214	3,661	4,805,657	9,303,982	22,643,361	13,339,379	11,520
	1925	183	3,803	4,687,461	9,545,361	22,397,907	12,852,556	10,674
	1923	165	3,687	4,196,519	9,565,525	21,256,148	11,690,623	9,515
	1921	157	2,129	2,655,825	6,102,420	12,037,778	5,935,358	(⁵)
	1919	214	2,179	2,046,768	4,807,389	10,932,857	6,085,468	7,515
	1914	220	3,194	1,894,257	4,260,569	9,167,288	4,906,719	8,128
Wood turned and shaped and other wooden goods, not elsewhere classified.	1929	894	18,712	18,616,688	28,428,563	69,619,990	41,191,427	88,398
	1927	748	15,937	16,333,285	26,063,907	60,530,005	34,466,069	77,425
	1925	721	14,948	14,862,392	24,635,926	55,728,005	31,092,169	55,110
	1923	715	17,013	16,059,137	27,347,580	59,810,722	32,453,142	65,806
	1921	724	14,636	13,517,045	25,468,723	51,563,013	26,084,200	(⁶)
	1919	967	17,092	14,968,916	26,782,568	56,640,400	29,857,832	65,596
	1914	1,102	18,033	8,412,758	14,118,056	29,208,815	15,090,760	62,924
Wooden-container industries, total.	1929	1,769	54,972	51,078,079	129,655,812	235,177,931	105,522,119	196,844
	1927	1,048	56,124	52,720,946	134,470,511	235,577,940	101,107,429	192,489
	1925	1,702	57,961	55,671,473	142,774,903	249,612,107	106,837,204	192,281
	1923	1,872	62,121	58,270,757	154,804,443	265,500,597	110,696,154	200,457
	1921	1,872	51,923	45,795,766	125,864,716	204,778,941	78,914,225	(⁷)
	1919	2,803	65,415	57,774,731	172,707,671	290,935,895	118,278,224	135,599
	1914	3,090	66,085	31,588,457	93,052,101	151,490,502	58,447,401	174,968
Baskets and rattan and willow ware, not including furniture.	1929	273	9,353	6,671,089	8,820,166	22,851,043	14,030,877	20,180
	1927	0,295	0,295	0,607,806	9,231,144	21,728,900	12,497,756	17,821
	1925	230	0,808	5,032,572	6,767,651	10,658,060	9,900,409	12,794
	1923	215	5,338	4,453,469	6,118,869	14,712,549	8,598,680	11,474
	1921	198	4,795	3,651,485	5,230,368	11,241,001	6,010,633	(⁸)
	1919	375	4,533	3,369,086	4,904,241	11,821,167	6,916,926	6,319
	1914	419	4,574	1,922,965	2,990,285	6,578,468	3,570,183	7,291
Boxes, cigar, wooden.	1929	118	4,374	3,507,711	5,238,209	12,459,425	7,221,216	5,518
	1927	130	4,577	3,925,329	5,620,725	12,908,739	7,288,014	5,478
	1925	155	4,336	3,966,578	5,450,395	12,924,806	7,474,411	5,210
	1923	170	5,101	4,170,939	6,249,422	14,796,255	8,546,833	6,054
	1921	171	4,657	3,728,362	6,778,439	14,316,954	7,538,515	(⁹)
	1919	189	5,218	3,512,236	6,336,540	13,110,213	6,773,673	5,009
	1914	238	5,835	2,298,842	4,269,486	8,336,907	4,067,421	5,251
Boxes, wooden, except cigar boxes.	1929	792	30,554	29,193,575	74,081,937	135,025,675	60,943,738	137,261
	1927	748	30,797	29,250,351	75,797,392	133,992,877	58,195,485	135,637
	1925	824	34,834	33,764,709	86,391,171	152,294,579	65,903,403	143,519
	1923	864	39,154	36,464,026	94,080,353	162,857,784	68,777,431	149,410
	1921	878	32,595	28,307,330	73,269,702	122,587,582	49,317,880	(¹⁰)
	1919	1,140	42,445	36,811,185	102,946,235	177,818,454	74,872,219	143,583
	1914	1,174	38,548	18,206,067	52,839,647	86,566,807	33,727,160	124,249
Cooperage.	1929	586	10,691	11,705,704	41,515,500	64,841,788	23,326,288	33,885
	1927	528	11,455	12,937,460	43,821,250	66,947,424	23,126,174	33,553
	1925	553	11,483	12,907,614	44,175,636	67,784,662	23,558,976	30,758
	1923	623	12,028	13,182,623	48,355,799	73,134,009	24,778,210	33,519
	1921	625	9,876	10,108,589	40,586,207	56,633,404	16,047,197	(¹¹)
	1919	1,099	13,219	14,082,224	58,520,555	88,236,061	29,715,406	30,688
	1914	1,259	17,128	9,160,583	32,943,683	50,017,320	17,073,637	38,177
Furniture and related industries, total.	1929	4,184	209,019	263,628,865	462,676,237	1,036,658,932	573,082,695	547,199
	1927	3,593	203,338	258,300,241	426,643,690	969,967,946	548,324,256	488,660
	1925	3,601	195,643	244,889,435	418,234,980	951,170,039	532,935,059	434,238
	1923	3,434	182,014	222,460,553	372,544,567	851,801,066	479,256,499	509,980
	1921	3,449	134,937	167,245,087	279,040,941	606,239,374	327,198,433	(¹²)
	1919	3,879	152,847	156,162,148	291,002,066	640,072,818	349,070,747	288,105
	1914	3,964	142,280	80,808,720	138,396,244	302,570,546	164,174,302	268,354
Billiard and pool tables, bowling alleys, and accessories.	1929	40	1,890	1,862,917	3,238,396	8,821,363	5,552,967	6,402
	1927	34	1,184	1,549,880	2,393,993	7,111,871	4,717,878	2,335
	1925	33	1,037	1,354,004	1,780,623	5,014,319	3,833,696	2,120
	1923	32	876	1,400,500	2,225,920	6,236,394	4,007,474	2,897
	1921	36	925	1,056,978	3,377,473	7,367,920	3,990,447	(¹³)
	1919	49	2,101	2,425,353	6,100,852	15,733,047	9,632,195	5,261
	1914	64	1,453	984,517	2,488,261	4,804,081	2,405,820	3,197

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 3.—SUMMARY FOR GROUP 3—FOREST PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Furniture and related industries—Continued.								
Furniture, including store and office fixtures.....	1920	3,778	193,399	\$242,832,096	\$426,454,169	\$948,116,858	\$521,662,199	503,070
	1927	3,228	183,143	236,240,167	392,098,519	885,204,300	493,105,781	455,881
	1925	3,230	181,016	226,297,743	354,875,008	808,719,971	483,844,903	402,719
	1923	3,047	168,157	204,556,063	342,442,530	776,846,732	434,404,202	344,954 ⁽³⁾
	1921	3,038	124,392	144,148,061	253,706,187	550,413,020	290,700,839	265,156
	1919	3,279	140,252	143,162,217	265,725,010	579,606,390	314,181,850	280,952
	1914	3,338	130,423	73,401,611	124,096,099	271,610,464	147,514,365	
Mirror and picture frames.....	1920	178	4,446	5,752,196	6,532,524	19,237,897	12,705,373	8,334
	1927	166	4,460	5,898,073	7,056,490	19,488,721	12,432,261	6,228
	1925	162	4,236	5,645,706	6,894,953	19,169,907	12,334,054	6,102
	1923	223	4,496	5,701,320	6,178,448	18,041,496	12,463,043	4,497
	1921	259	3,846	4,879,454	5,643,719	15,445,208	9,854,459	(4)
	1919	429	4,708	4,775,227	7,227,232	18,354,592	11,157,330	4,659
	1914	438	4,787	2,850,253	4,468,492	11,014,207	6,545,715	4,054
Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment.....	1929	188	9,784	13,131,656	26,451,148	60,483,314	34,032,166	28,493
	1927	165	9,551	12,617,121	25,094,718	58,163,054	33,068,336	24,216
	1925	167	9,390	12,588,682	24,744,396	57,665,842	32,921,566	23,297
	1923	132	8,485	10,732,610	21,694,660	50,076,444	28,381,775	17,135
	1921	116	5,804	7,160,594	10,318,562	38,010,326	16,696,664	(5)
	1919	122	6,786	5,809,351	11,948,972	26,048,808	14,099,836	13,029
	1914	134	5,617	3,572,334	7,343,302	15,051,794	7,708,402	11,151
Other allied industries, total.....	1929	714	37,270	44,260,455	224,249,627	349,820,793	195,571,136	144,538
	1927	623	34,010	39,620,083	207,536,972	325,673,277	118,136,305	128,159
	1925	550	30,836	35,674,947	129,948,886	221,628,851	91,679,965	101,421
	1923	542	30,170	32,538,961	112,966,023	197,342,255	84,382,232	105,097
	1921	530	26,328	27,824,295	97,852,003	177,206,383	70,354,335	(6)
	1919	560	26,348	25,990,459	82,340,971	156,483,507	74,142,536	72,369
	1914	461	21,614	11,614,694	41,648,317	72,928,928	31,250,611	53,024
Caskets, coffins, burial cases, and other morticians' goods.....	1929	414	13,033	16,411,027	39,350,294	88,281,872	48,931,578	39,609
	1927	340	11,665	14,420,598	33,327,469	74,890,850	41,563,331	31,105
	1925	326	11,479	14,056,507	32,771,236	70,412,637	37,641,461	29,104
	1923	327	11,593	13,333,645	31,541,179	65,557,821	34,016,642	27,340
	1921	314	9,956	10,585,816	27,016,789	54,795,673	27,778,884	(7)
	1919	351	11,890	11,450,957	31,595,287	64,377,133	32,731,846	22,190
	1914	287	9,468	5,381,842	13,257,078	26,325,162	13,038,084	18,969
Cork products.....	1929	35	3,842	4,208,674	12,692,522	23,023,329	10,420,807	14,829
	1927	27	3,185	3,560,013	9,395,123	17,368,825	7,973,702	11,633
	1925	33	3,297	3,538,263	7,268,711	16,020,309	8,751,598	11,084
	1923	30	3,478	3,594,204	8,045,577	15,566,455	7,520,878	10,052
	1921	45	2,774	2,672,289	6,773,301	12,967,768	6,194,467	(8)
	1919	62	3,545	3,387,114	9,134,950	16,282,239	7,147,239	8,556
	1914	52	3,454	1,582,431	4,751,440	7,875,407	3,123,967	5,786
Matches.....	1929	21	3,760	4,118,093	12,526,327	20,351,025	7,824,698	17,997
	1927	19	3,005	4,130,988	11,884,076	24,905,835	13,021,700	17,607
	1925	25	4,627	4,706,871	12,913,267	23,741,469	10,825,202	16,314
	1923	22	4,712	4,424,742	11,786,382	23,940,064	12,153,682	15,383
	1921	22	4,539	4,280,438	13,239,571	30,273,873	17,084,302	(9)
	1919	21	3,728	3,059,537	6,852,970	18,495,876	11,642,906	12,947
	1914	20	3,800	1,757,975	5,201,598	12,556,279	7,354,681	7,457
Pulp goods.....	1929	45	3,558	4,591,688	12,067,760	27,219,892	15,162,132	14,190
	1927	44	2,996	3,782,927	11,375,407	23,950,127	12,674,720	13,339
	1925	35	3,017	3,767,333	10,286,201	20,270,005	9,983,804	11,338
	1923	40	3,648	4,089,761	11,208,769	20,435,852	9,227,033	13,605
Rules, wood, metal, and other ⁵	1923	11	219	213,351	239,203	759,194	519,901	714
	1921	11	188	162,291	137,538	533,373	396,335	(10)
	1919	13	168	142,290	133,984	480,543	346,609	299
	1914	10	408	223,772	187,171	634,242	447,071	441
Wood preserving ⁶	1929	199	13,077	14,939,973	147,702,724	190,944,645	43,241,921	57,913
	1927	193	12,259	13,725,567	141,554,898	184,557,640	43,002,742	50,806
	1925	131	8,416	9,005,973	66,709,471	91,184,381	24,474,910	33,521
	1923	103	6,520	6,878,258	50,138,913	71,082,869	20,943,950	37,998
	1921	78	4,153	4,501,849	34,432,474	47,421,997	12,989,523	(11)
	1919	73	3,978	4,342,277	23,241,858	33,239,313	9,997,455	16,194
	1914	68	2,830	1,784,890	16,059,754	21,054,867	4,995,103	11,551

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

² Revised. (See note 6.)

³ Not called for on schedule.

⁴ Revised; revision not carried into total for subgroup or aggregate for group.

⁵ Formerly two industries, "Wood, turned and shaped, not elsewhere classified" and "Wooden goods, not elsewhere classified."

⁶ At the census for 1929 establishments engaged primarily in the manufacture of sewing-machine cases, cabinets, and tables, formerly classified in the sewing-machine industry, in Group 13, were transferred to the furniture industry. The figures for 1927 have been revised to include such data, but those for earlier years have not been so adjusted.

⁷ No comparable figures available for earlier years.

⁸ Abandoned after census for 1923. Manufacturers of rules classified in other industries, according to character of materials used.

⁹ The figures for cost of materials, value of products, and value added by manufacture for 1925 and earlier years are not comparable with those for 1927 and 1929 because of the inclusion for 1927 and 1929 and the exclusion for earlier years of the estimated value of forest products not owned by the establishments reporting.

GROUP 4.—PAPER AND ALLIED PRODUCTS

For census purposes establishments engaged primarily in the manufacture of paper and paperboard and of pulp (wood and other fiber) and those engaged primarily in the further manufacture of paper and paperboard into commodities such as boxes, bags, etc. (designated as "Converted paper products"), are assigned to separate subgroups in the major industry group "Paper and allied products." Although the manufacture of converted paper products is carried on to a considerable extent in paper mills, the establishments which are engaged solely or primarily in this line of manufacture purchase their principal materials—paper and paperboard—from paper mills. Thus the products of the first of these subgroups become the

materials for the second, and as a result there is a large amount of duplication in the figures for cost of materials and value of products for the group as a whole.

At the census for 1929 "Paper patterns" was discontinued as an industry classification because it appeared that the production of paper patterns was so closely allied to lithographing and printing that it was impracticable to classify separately the establishments engaged in this line of production. Reports for such establishments were therefore transferred to the "Printing, publishing, and allied industries" group, and the figures for converted paper products given below have been adjusted accordingly.

TABLE 4.—SUMMARY FOR GROUP 4—PAPER AND ALLIED PRODUCTS: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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 ¹	Value added by manufacture ²	Horsepower
Aggregate for the group.....	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	272,168,070	1,082,363,311	1,785,997,679	703,634,368	2,813,694
	1925	2,727	221,502	263,097,309	919,657,498	1,546,814,124	627,156,626	2,574,707
	1923	2,086	219,026	250,144,000	878,763,995	1,456,970,070	578,206,081	2,313,562
	1921	2,600	184,756	202,702,800	669,070,172	1,071,800,318	402,730,144	(³)
	1919	2,677	208,115	212,724,291	720,908,211	1,250,445,203	529,536,992	1,987,446
	1914	2,482	166,752	88,844,233	314,832,826	519,689,671	204,856,845	1,697,268
Paper and pulp, total.....	1929	883	128,049	173,077,781	723,380,707	1,206,114,305	482,753,598	2,963,431
	1927	929	123,360	162,002,097	724,110,063	1,138,089,666	413,978,703	2,642,806
	1925	764	123,860	163,002,097	616,556,894	1,029,534,967	415,878,703	2,648,810
	1923	763	123,842	160,145,932	605,860,286	971,882,320	366,022,034	2,427,016
	1921	746	120,077	161,476,693	573,727,153	907,346,992	333,619,839	2,178,623
	1921	738	105,294	127,028,767	445,992,351	667,435,847	221,443,496	(³)
	1919	720	113,759	135,690,642	467,482,637	788,069,377	320,576,740	1,849,699
	1914	718	88,457	63,245,639	213,181,286	332,147,175	118,965,889	1,611,954
	Paper.....	1929	685	103,320	140,398,374	574,607,978	967,186,026	392,578,048
1927		710	98,566	130,474,739	572,785,638	919,891,465	347,105,927	(³)
Pulp (wood and other fiber).....	1929	193	24,729	32,679,407	148,752,729	238,923,279	90,175,550	(³)
	1927	219	24,794	31,527,858	151,325,425	218,185,201	66,872,776	(³)
Converted paper products, total.....	1929	2,243	105,344	114,253,011	369,361,396	686,136,843	316,775,447	193,373
	1927	2,043	101,077	110,151,573	358,252,348	647,908,013	289,655,665	170,888
	1925	1,964	97,660	102,951,437	313,797,212	574,931,804	261,134,592	147,697
	1923	1,939	95,349	98,667,307	305,036,842	549,623,084	244,586,242	134,939
	1921	1,862	79,462	76,074,033	223,077,821	404,394,469	181,280,648	(³)
	1919	1,948	94,856	77,033,649	253,425,574	462,385,826	208,900,252	117,747
	1914	1,734	78,295	35,598,594	101,651,540	187,542,496	85,890,956	85,314
Bags, paper, exclusive of those made in paper mills.....	1929	95	6,070	6,661,235	43,238,392	64,621,192	21,382,800	13,416
	1927	88	6,463	6,393,676	40,734,599	57,489,652	16,755,053	9,336
	1925	66	5,585	5,523,708	29,960,962	46,977,902	16,020,940	6,414
	1923	64	4,680	4,580,061	29,375,224	42,272,470	12,897,246	6,108
	1921	57	3,707	3,476,487	29,797,291	41,190,179	11,392,888	(³)
	1919	76	4,108	3,602,830	33,350,481	47,263,996	13,913,509	4,429
	1914	59	3,595	1,659,070	12,200,834	17,692,543	5,401,659	3,677
Boxes, paper, not elsewhere classified.....	1929	1,249	55,654	57,109,700	159,839,577	294,253,296	184,413,719	80,064
	1927	1,219	56,398	57,700,664	168,463,799	306,555,062	188,081,263	81,800
	1925	1,229	57,148	57,173,027	151,711,699	281,945,969	180,232,270	76,185
	1923	1,216	56,855	53,965,852	144,079,470	264,209,159	120,126,689	61,687
	1921	1,161	46,242	40,476,681	88,267,758	174,248,477	85,980,719	(³)
	1919	1,201	55,862	43,325,564	101,135,293	206,419,343	105,284,051	54,675
	1914	1,043	45,811	18,704,790	36,268,370	74,711,047	35,442,677	37,340

See footnotes at end of table.

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TABLE 4.—SUMMARY FOR GROUP 4—PAPER AND ALLIED PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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 ¹	Value added by manufacture ²	Horsepower
Converted paper products—Continued.								
Cardboard, not made in paper mills.....	1929	13	609	\$819,178	\$2,665,258	\$5,629,498	\$2,904,240	1,549
	1927	9	658	848,807	2,808,056	5,581,104	2,713,103	1,779
	1925	13	978	1,188,290	3,474,507	7,238,016	3,813,509	1,795
	1923	15	1,170	1,339,370	3,331,704	9,339,814	4,008,110	2,354
	1921	20	1,157	1,172,139	3,914,393	7,641,902	3,727,569	(³)
	1919	16	1,425	1,337,177	4,953,915	9,135,415	4,184,500	3,251
	1914	18	1,169	579,942	2,902,334	4,350,347	1,388,013	2,685
Card cutting and designing.....	1929	70	2,338	2,725,047	9,285,931	19,648,179	10,362,248	3,909
	1927	60	2,024	2,706,633	7,544,043	16,871,312	9,327,209	3,915
	1925	49	1,086	1,083,764	2,430,105	6,201,234	3,705,119	1,855
	1923	47	1,207	1,242,242	2,643,005	6,109,293	3,400,203	1,262
	1921	40	762	502,406	2,018,892	4,537,834	2,538,942	(⁴)
	1919	75	1,148	958,877	2,288,389	5,323,349	3,024,900	743
	1914	58	517	204,895	420,730	1,054,904	684,103	441
Envelopes.....	1929	171	10,367	11,526,840	20,927,683	61,286,992	31,369,309	13,077
	1927	153	9,745	10,754,636	28,973,192	50,000,225	27,033,033	11,891
	1925	135	9,052	9,987,202	27,423,300	51,183,914	23,765,614	10,285
	1923	132	9,241	9,525,054	27,527,375	50,751,558	23,225,682	9,904
	1921	126	7,944	8,180,523	24,051,507	43,610,409	19,858,902	(⁵)
	1919	103	8,129	6,649,989	21,004,743	39,664,077	17,099,374	7,124
	1914	90	6,970	3,378,184	10,234,341	18,481,013	8,240,132	5,196
Labels and tags.....	1929	153	4,474	5,868,952	10,555,674	23,042,325	17,480,651	6,473
	1927	121	6,141	8,000,426	16,250,439	34,307,930	18,138,191	6,800
	1925	113	5,356	6,730,184	13,065,856	25,045,440	14,949,584	4,808
	1923	103	5,048	6,224,101	12,120,804	26,023,030	13,863,226	4,538
	1921	89	4,152	4,778,585	8,810,700	19,538,302	10,718,602	(⁶)
	1919	119	5,227	4,549,902	11,274,767	24,243,992	12,969,225	4,033
	1914	108	2,600	1,458,777	2,907,876	6,584,058	3,676,182	2,155
Wall paper.....	1929	56	4,705	5,731,932	13,430,205	30,007,649	16,527,444	12,740
	1927	53	4,811	5,981,451	14,612,415	30,050,153	15,449,733	13,343
	1925	49	5,060	5,892,765	14,999,041	30,069,005	15,069,964	11,628
	1923	51	5,412	6,221,266	16,991,411	34,755,700	17,704,283	11,246
	1921	43	3,988	4,931,572	16,330,110	29,147,905	12,811,795	(⁷)
	1919	48	4,282	3,832,306	13,152,503	23,047,901	9,805,868	8,123
	1914	48	4,738	2,703,175	8,530,255	16,887,123	7,330,868	6,930
Paper goods, not elsewhere classified.....	1929	436	20,227	23,810,118	100,368,678	182,647,712	82,279,036	67,145
	1927	340	14,837	17,785,281	78,798,805	140,047,815	62,151,010	42,955
	1925	310	13,386	15,403,497	70,699,682	124,217,274	63,517,592	35,324
	1923	311	14,724	15,562,431	66,958,259	116,162,055	49,293,706	37,840
	1921	290	11,510	11,807,367	49,872,170	84,129,401	34,257,231	(⁸)
	1919	308	14,135	12,606,924	65,295,484	107,284,769	41,089,275	35,369
	1914	310	13,406	6,849,701	28,120,244	48,871,461	20,751,217	26,890

¹ The 1929 figures for the paper and pulp industries refer to production, not to sales; those for all other industries covered by this table relate to sales (shipments or deliveries). The figures for 1927 and earlier years refer in all cases to production. See GENERAL EXPLANATIONS—Value of Products.

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

³ These figures differ from those formerly published, having been adjusted in order to make them strictly comparable with those for 1929. The adjustment was made necessary because "Paper patterns," formerly an industry in this group, was abandoned as a separate industry classification and the data included in those for the "Printing and publishing, book and job" industry, Group 5.

⁴ Not called for on schedule.

⁵ The figures in italics were adjusted for comparison with 1925 and earlier years by deducting the data for 105 establishments engaged in the manufacture of both pulp and paper, which were counted twice in the original total for 929 establishments.

⁶ Because of the fact that in many cases a paper mill and a pulp mill are supplied with power from the same power plant, it is impossible to give separate figures for each industry.

GROUP 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

For census purposes printing and publishing and the several allied activities specified below are classified together as one of the 16 major groups of industries covered by the Census of Manufactures, and the group is divided into two subgroups, namely, (1) Printing and publishing and (2) Allied industries. Summary statistics for the group, the two subgroups, and the individual industries are given in the table below.

Relationship of the industries.—The printing and publishing industries embrace all establishments en-

gaged either in printing or in publishing. More or less closely allied to these industries are a number of others, namely, steel and copperplate engraving and plate printing, lithographing, bookbinding and blank-book making, wood engraving, photo-engraving, the manufacture of printing materials and of engravers' materials, stereotyping and electrotyping, type founding, and engraving, chasing, etching, and diesinking. Combined statistics for printing and publishing and these allied industries are given in the table below.

TABLE 5.—SUMMARY FOR GROUP 5—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	Cen- sus year	Number of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of ma- terials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horse- power
Aggregate.....	1929	27,522	357,988	\$636,371,372	\$766,483,548	\$3,170,130,651	\$2,403,656,103	649,441
	1927	25,433	328,603	586,183,261	755,037,668	2,859,800,389	2,104,822,721	569,528
	1925	23,826	315,264	542,418,376	694,576,980	2,596,870,775	1,902,293,795	486,087
	1923	23,114	307,993	492,905,953	665,654,236	2,315,318,106	1,649,663,870	429,967
	1921	22,777	282,600	434,727,694	663,300,138	2,078,763,839	1,415,463,701	(*)
	1919	33,747	301,034	351,997,797	587,293,851	1,764,386,909	1,177,093,058	379,236
	1914	34,757	286,264	207,720,982	266,435,033	937,125,476	670,690,438	341,805
Printing and publishing, total ²	1929	24,360	281,119	500,290,168	660,029,112	2,760,105,928	2,100,166,816	544,688
	1927	22,558	262,740	474,638,841	664,528,306	2,521,208,269	1,856,679,963	482,295
	1925	21,072	252,515	440,427,479	612,059,699	2,283,303,640	1,671,243,041	409,121
	1923	20,471	247,384	400,485,036	587,109,283	2,030,614,695	1,443,505,412	368,019
	1921	20,336	230,305	357,515,067	590,616,672	1,838,339,928	1,247,723,256	(*)
	1919	30,630	244,688	287,125,883	513,893,032	1,537,936,665	1,024,043,633	326,252
	1914	31,637	229,442	168,125,218	227,208,391	813,534,097	586,325,706	205,923
Book and job ³	1929	12,712	150,049	251,576,692	266,749,365	1,006,656,768	739,907,403	211,448
	1927	11,466	142,347	241,810,478	253,056,059	920,251,123	667,195,064	194,718
	1925	10,338	134,559	221,424,851	230,690,867	820,552,827	589,861,960	170,096
	1923	10,094	130,819	202,314,555	221,376,622	747,486,319	526,109,697	153,384
	1921	9,776	121,871	181,909,679	217,476,068	709,605,428	483,120,360	(*)
	1919	13,108	123,408	141,850,722	211,384,064	599,191,610	387,807,546	131,544
	1914	12,140	114,194	78,990,985	97,079,643	310,356,883	213,277,340	113,566
Music.....	1929	124	810	1,314,401	1,542,042	15,240,268	13,698,226	956
	1927	119	994	1,677,680	1,658,367	15,881,634	14,228,267	1,343
	1925	109	955	1,461,661	1,828,230	15,069,636	13,261,406	1,363
	1923	110	919	1,366,756	2,252,830	14,626,510	12,373,980	1,231
	1921	107	900	1,246,863	2,016,311	14,024,672	12,008,361	(*)
	1919	160	899	926,988	2,123,781	14,592,177	12,468,396	634
	1914	180	873	672,986	1,046,630	7,271,266	6,224,636	594
Newspaper and periodical.....	1929	11,524	120,660	253,399,075	391,737,705	1,738,298,892	1,346,561,187	332,184
	1927	10,973	119,399	231,150,683	409,813,880	1,585,076,612	1,176,261,632	286,284
	1925	10,625	117,001	217,540,967	379,540,602	1,447,681,177	1,068,120,575	237,662
	1923	10,267	115,046	196,804,325	363,479,831	1,268,501,566	905,021,735	203,454
	1921	10,453	107,634	174,358,625	371,124,293	1,123,709,828	762,585,535	(*)
	1919	17,362	120,381	144,348,173	300,385,187	924,152,878	623,767,691	194,074
	1914	19,317	114,375	88,661,248	129,082,218	495,965,948	366,823,730	181,763

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 5.—SUMMARY FOR GROUP 5—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES: 1914 TO 1929—Con.

[See note at head of this table]

INDUSTRY	Cen- sus year	Number of estab- lish- ments	Wage sarners (average for the year)	Wages	Cost of ma- terials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horse- power
Allied industries, total.....	1929	3,162	70,869	\$130,081,204	\$106,454,436	\$409,943,723	\$303,480,287	104,853
	1927	2,875	65,863	111,644,420	90,609,362	338,052,120	248,142,758	87,233
	1925	2,764	62,749	101,991,397	82,517,281	313,567,135	231,049,854	76,066
	1923	2,643	60,609	92,420,317	78,544,953	284,703,411	206,158,458	71,948
	1921	2,441	52,195	77,212,627	72,683,406	240,423,911	167,740,445	(²)
	1919	3,117	57,246	64,871,914	73,400,819	226,450,244	153,049,425	62,984
	1914	3,120	56,812	39,695,764	39,228,647	123,591,370	84,364,732	45,882
Bookbinding and blank-book making.....	1929	1,108	24,754	31,770,037	30,754,777	102,783,405	72,028,628	21,741
	1927	1,063	21,909	28,281,060	25,875,185	87,327,392	61,452,207	19,038
	1925	970	20,336	26,006,621	24,127,012	81,600,302	57,473,290	16,147
	1923	965	20,723	25,216,055	23,073,048	76,859,420	53,886,372	15,539
	1921	808	17,465	20,317,877	19,886,243	63,864,402	43,968,159	(³)
	1919	1,113	20,361	18,658,821	28,235,171	66,020,677	42,785,506	11,037
	1914	1,124	21,693	11,574,723	13,334,207	38,104,368	24,770,161	10,842
Engravers' materials.....	1929	19	313	448,385	1,794,804	3,129,483	1,334,679	1,493
	1927	17	178	203,962	1,289,261	2,168,737	879,476	864
	1925	16	177	276,204	1,202,203	2,014,036	811,833	921
	1923	24	224	391,557	1,359,350	2,302,027	943,277	832
	1921	22	184	302,206	1,046,403	1,816,873	770,470	(⁴)
	1919	21	174	212,171	1,484,269	2,248,122	763,853	733
	1914	13	106	73,391	550,659	788,258	217,599	491
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.....	1929	189	2,240	3,211,743	2,583,039	10,938,741	8,350,702	2,965
	1927	173	1,805	2,612,434	2,078,160	7,980,688	5,852,528	2,023
	1925	188	1,827	2,690,803	2,177,251	8,622,823	6,445,572	1,753
	1923	210	1,887	2,853,125	2,820,179	9,121,446	6,301,287	2,345
	1921	193	1,276	1,760,335	1,397,020	4,849,882	3,452,862	(⁵)
	1919	478	1,878	2,391,504	1,927,323	7,360,602	5,423,279	1,750
	1914	486	1,536	1,075,721	696,107	3,133,791	2,537,684	1,036
Engraving, steel and copperplate, and plate printing.....	1929	458	10,130	14,489,730	11,864,764	47,161,641	35,299,877	8,506
	1927	393	8,549	11,885,737	10,230,216	39,071,105	28,834,889	6,894
	1925	368	7,269	10,168,600	7,623,311	32,106,150	24,477,839	5,764
	1923	377	7,529	10,185,393	7,957,756	32,561,209	24,593,453	5,738
	1921	367	7,156	9,612,206	7,608,620	28,778,066	21,170,145	(⁶)
	1919	421	7,014	7,908,109	6,980,747	24,209,184	17,228,407	6,363
	1914	399	6,859	4,526,684	3,914,608	13,786,385	9,871,877	6,070
Engraving, wood.....	1929	27	142	323,211	82,250	738,951	656,701	54
	1927	23	132	290,777	76,354	641,437	565,083	45
	1925	22	117	233,849	46,499	525,240	478,741	32
	1923	24	141	213,824	42,099	523,762	481,653	26
	1921	24	131	219,033	138,991	628,368	489,377	(⁷)
	1919	55	255	407,215	219,268	1,163,618	934,350	67
	1914	72	302	310,318	96,334	719,234	622,850	68
Lithographing.....	1929	376	18,979	32,021,919	38,992,142	121,014,321	82,022,179	35,471
	1927	309	16,348	27,465,552	32,703,772	97,050,124	64,346,352	28,541
	1925	331	16,057	27,106,883	32,171,152	98,721,268	60,550,116	28,623
	1923	328	16,317	25,067,427	31,008,765	91,670,782	60,661,987	26,869
	1921	296	13,971	21,085,435	30,522,209	79,472,200	48,950,051	(⁸)
	1919	331	15,618	18,201,089	27,718,217	73,151,116	45,432,898	18,550
	1914	336	15,171	11,861,013	14,017,181	39,136,973	26,118,792	15,024
Photo-engraving, not done in printing establish- ments.....	1929	654	12,353	31,831,176	11,003,121	77,382,259	66,379,138	9,349
	1927	611	11,033	28,381,480	10,790,128	69,207,376	58,417,243	9,366
	1925	577	9,868	24,320,884	8,392,623	58,040,247	50,247,624	6,735
	1923	450	8,521	18,668,866	6,606,207	43,600,021	37,053,814	5,786
	1921	421	6,971	15,046,323	5,828,493	36,215,570	30,237,077	(⁹)
	1919	422	6,769	10,423,541	5,038,382	29,389,386	24,351,004	3,800
	1914	376	6,211	6,166,638	2,798,132	15,368,504	12,500,472	3,724
Printing materials, not including type or ink.....	1929	84	1,004	1,640,276	2,184,544	8,579,006	6,394,462	2,709
	1927	70	882	1,402,256	7,022,348	7,022,348	4,987,995	2,339
	1925	71	888	1,378,748	1,786,570	6,525,379	4,738,809	1,981
	1923	68	590	843,963	1,162,531	4,805,648	3,643,117	1,062
	1921	74	816	1,153,276	1,713,736	5,319,261	3,605,525	(¹⁰)
	1919	82	723	799,402	1,619,718	4,918,799	3,299,081	1,351
	1914	94	423	340,041	763,212	2,110,814	1,347,602	638
Stereotyping and electrotyping, not done in print- ing establishments.....	1929	230	6,487	13,770,676	6,546,881	35,617,297	29,070,416	21,347
	1927	197	4,502	10,272,775	4,076,853	26,549,214	20,872,301	16,888
	1925	193	4,283	9,206,642	4,280,244	22,361,187	18,080,945	13,774
	1923	179	4,096	8,333,721	3,805,550	20,596,208	16,790,558	12,313
	1921	157	3,617	7,081,705	3,745,595	17,368,994	13,613,399	(¹¹)
	1919	171	3,664	5,002,545	4,234,479	15,919,014	11,684,835	9,498
	1914	189	3,457	3,001,369	2,254,926	8,164,171	5,899,245	6,743
Type founding.....	1929	19	487	556,051	648,114	2,603,619	1,955,505	1,218
	1927	19	525	658,331	749,036	2,683,704	1,934,619	1,230
	1925	18	537	603,163	705,416	2,450,503	1,745,687	1,236
	1923	18	606	640,386	709,468	2,512,328	1,802,860	1,438
	1921	18	608	634,131	696,259	2,139,636	1,433,380	(¹²)
	1919	23	810	867,517	943,245	2,089,787	1,146,612	845
	1914	31	1,064	665,861	901,331	2,319,781	1,418,450	1,647

¹ Value of products less cost of materials, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

² Not called for on schedule.

³ The figures for 1927 and earlier years differ from those formerly published because of the inclusion of data for establishments engaged primarily in the production of paper patterns and fashion plates.

GROUP 6.—CHEMICALS AND ALLIED PRODUCTS

Group 6 includes not only the industries whose products are chemicals in the ordinary sense, but also those which employ to a large extent chemical processes in their manufacturing operations. The group is complex in character, and its several products differ widely, both in kind and in the uses to which they are put. Considerable duplication occurs in the aggregate cost of materials and the aggregate value of products for the group, because of the use of the products of certain industries as materials for others.

This group differs slightly from the corresponding one as constituted at the census for 1927, the changes being as follows:

(1) The combination of the "Sulphuric, nitric, and mixed acids" industry with the "Chemicals, not elsewhere classified" industry.

(2) The transfer of establishments engaged primarily in the manufacture of lubricating oils from the "Oils, not elsewhere classified" industry to the "Lubricating oils and greases, not made in petroleum refineries" industry, in Group 7.

Summary statistics for the group and its component subgroups and industries are given in the table below.

TABLE 6.—SUMMARY FOR GROUP 6—CHEMICALS AND ALLIED PRODUCTS: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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	Horse-power
Aggregate for the group-----	1929	8,278	280,808	\$354,393,308	\$1,970,713,269	\$3,769,404,640	\$1,788,691,371	2,312,295
	1927	7,541	253,430	317,908,093	1,803,084,644	3,351,892,059	1,548,807,515	1,848,300
	1925	7,282	244,812	266,525,641	1,830,591,898	3,211,280,498	1,380,638,600	1,748,481
	1923	7,197	246,527	285,833,729	1,702,944,290	2,933,561,637	1,230,617,347	1,654,228
	1921	7,348	199,590	224,332,535	1,352,904,081	2,225,917,450	873,013,375	(²)
	* 1919	10,732	329,053	364,894,045	2,269,338,413	3,803,762,737	1,534,414,324	1,720,521
	* 1914	11,461	258,413	164,420,708	1,011,125,288	1,904,630,406	958,505,118	1,459,082
Chemicals and allied products, other than animal, vegetable, and compounded oil, total-----	1929	7,599	280,829	336,816,056	1,579,480,948	3,289,288,556	1,709,857,608	1,980,145
	1927	6,760	228,074	294,089,964	1,400,190,016	2,855,979,420	1,446,789,404	1,528,092
	1925	6,509	222,112	275,578,472	1,374,949,810	2,651,374,528	1,276,424,718	1,464,454
	1923	6,424	226,710	271,444,048	1,316,282,391	2,472,610,167	1,156,327,776	1,388,993
	1921	6,438	177,525	204,711,696	1,022,488,600	1,840,968,888	818,475,388	(²)
	* 1919	9,637	293,863	334,684,225	1,550,394,578	2,939,091,732	1,339,297,204	1,331,021
	* 1914	10,268	232,817	153,307,274	762,608,357	1,667,267,086	904,658,729	1,181,322
Alcohol, ethyl, and distilled liquors-----	1929	30	1,484	2,131,188	35,046,063	54,284,665	19,238,602	13,577
	1927	28	1,180	1,704,518	19,309,772	33,971,150	14,661,378	7,261
	1925	31	1,395	1,833,318	38,564,481	57,705,704	19,141,223	10,268
	1923	30	1,062	1,474,160	17,770,264	33,000,099	15,229,835	8,129
	1921	33	1,141	1,626,949	22,269,046	28,788,965	6,519,919	(²)
	1919	34	1,380	1,716,699	19,655,522	31,854,085	12,198,563	16,494
	1914	434	6,295	3,994,469	40,996,731	206,778,708	165,781,927	51,670
Ammunition and related products-----	1929	21	7,223	8,272,618	19,841,665	43,808,520	23,966,855	17,061
	1927	20	7,602	8,265,963	20,945,130	45,602,184	24,657,054	17,175
	1925	27	7,777	7,986,834	22,819,987	41,707,396	18,837,409	23,316
	1923	27	10,470	10,816,647	27,741,517	51,508,622	23,767,105	23,172
	1921	28	8,370	7,896,382	16,006,385	32,350,445	16,344,060	(²)
	1919	42	22,816	23,587,602	38,101,602	83,038,223	49,936,621	39,128
	1914	52	11,493	6,750,980	16,276,575	30,840,472	14,563,897	11,354
Baking powders, yeast, and other leavening compounds-----	1929	48	3,006	4,846,730	22,598,378	52,336,812	29,738,434	42,788
	1927	47	3,032	4,763,624	24,619,450	55,716,025	31,096,575	42,810
	1925	49	2,931	4,063,200	23,375,795	53,247,406	29,971,611	36,633
	1923	57	3,507	4,619,858	21,656,521	51,691,123	30,034,602	35,845
	1921	62	3,557	4,479,099	24,666,261	52,885,888	28,219,627	(²)
	1919	88	3,331	3,554,534	26,635,420	46,230,312	19,594,883	20,071
	1914	124	2,270	1,241,316	10,894,844	23,339,347	11,444,503	7,862
Blacking, stains, and dressings-----	1929	170	1,617	1,650,443	8,345,234	24,681,336	16,368,602	3,317
	1927	176	1,718	2,180,733	9,135,543	22,548,235	13,362,692	4,005
	1925	171	1,869	2,164,430	9,735,455	26,054,969	15,321,514	2,659
	1923	175	2,185	2,170,138	10,253,195	25,821,709	15,568,514	2,792
	1921	173	1,686	1,622,333	9,362,119	18,452,864	9,090,745	(²)
	1919	220	2,455	2,109,103	14,041,840	25,284,072	11,242,232	2,446
	1914	197	1,766	877,434	5,128,614	9,881,594	4,752,980	2,442

See footnotes at end of table.

INDUSTRY GROUPS

TABLE 6.—SUMMARY FOR GROUP 6—CHEMICALS AND ALLIED PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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	Horse-power
Chemicals and allied products, etc.—Continued.								
Bluing.....	1929	20	105	\$100,917	\$468,867	\$1,364,610	\$805,643	160
	1927	20	155	151,304	593,725	1,674,140	1,080,415	363
	1925	23	179	185,310	1,017,321	2,167,013	1,149,792	366
	1923	25	183	185,901	800,293	1,645,183	842,893	296
	1921	33	226	203,460	1,017,713	1,889,225	865,512	(²)
	1919	57	360	235,063	1,542,054	2,781,277	1,138,323	423
	1914	66	254	104,853	439,431	1,184,045	694,614	216
Bone black, carbon black, and lampblack.....	1929	77	1,915	2,583,253	9,006,093	20,169,722	11,073,024	11,268
	1927	67	1,553	2,047,044	6,571,019	14,261,775	7,690,759	8,065
	1925	68	1,505	1,721,779	5,654,965	14,564,082	8,910,017	7,289
	1923	68	1,303	1,460,868	5,204,567	14,599,872	9,305,305	5,587
	1921	45	826	679,845	3,745,146	8,150,844	4,435,908	(²)
	1919	85	675	806,332	2,848,050	6,186,204	3,338,145	1,857
	1914	27	339	230,821	686,240	1,463,569	777,320	1,786
Candles.....	1929	20	781	923,039	3,250,627	6,086,104	3,435,567	1,971
	1927	17	709	761,464	2,958,937	6,360,031	3,391,044	996
	1925	20	628	672,691	2,788,247	5,114,292	2,328,045	922
	1923	21	746	756,919	2,392,948	5,070,884	2,656,936	912
	1921	20	609	589,737	2,090,807	3,776,911	1,686,104	(²)
	1919	19	541	437,581	2,178,528	3,350,806	1,172,278	597
	1914	15	387	183,007	1,118,675	1,730,723	612,148	359
Chemicals, not elsewhere classified ¹	1929	551	62,199	94,680,013	363,570,811	738,048,386	374,471,675	554,358
	1927	492	52,347	78,274,075	296,677,104	572,000,732	275,413,668	570,285
	1925	751	57,800	83,537,432	282,712,468	570,310,106	287,697,638	549,797
	1923	773	77,254	103,300,061	323,596,021	655,274,820	326,678,208	592,023
	1921	728	49,138	62,161,005	200,272,506	412,231,354	211,058,848	(²)
	1919	836	79,918	105,062,261	301,519,182	614,278,849	312,750,667	480,435
	1914	427	36,376	24,278,759	96,185,122	173,269,076	77,083,954	283,909
Cleaning and polishing preparations.....	1929	429	2,713	3,356,161	19,309,041	50,779,632	31,380,691	10,609
	1927	341	2,403	2,688,430	15,219,635	41,234,466	26,014,831	8,485
	1925	209	2,161	2,659,767	12,707,370	34,020,384	21,318,014	6,279
	1923	268	2,376	2,746,082	13,600,082	35,443,130	21,843,048	6,808
	1921	279	1,687	1,884,932	10,959,174	23,177,721	12,218,547	(²)
	1919	490	1,955	1,898,447	12,923,513	26,703,109	13,779,591	4,510
	1914	398	1,239	618,783	3,895,199	9,161,718	5,256,510	2,543
Compressed and liquefied gases ⁶	1929	354	3,390	5,378,211	14,528,603	52,189,779	37,661,176	85,293
	1927	313	3,212	4,647,677	11,748,839	50,547,395	38,798,560	70,489
Druggists' preparations.....	1929	429	10,688	12,452,066	43,775,986	124,778,487	81,002,561	19,448
	1927	373	10,138	11,942,490	40,499,392	110,309,139	69,809,747	15,919
	1925	370	9,685	11,078,384	36,063,719	95,419,824	60,356,105	12,553
	1923	369	8,966	9,185,975	33,393,859	79,142,668	45,778,809	11,255
	1921	408	10,838	11,036,658	34,573,084	81,097,922	47,124,268	(²)
	1919	524	15,568	12,161,925	55,138,475	114,598,480	60,455,011	12,670
	1914	410	9,277	4,754,508	22,934,723	48,009,654	25,074,931	8,368
Drug grinding.....	1929	26	677	840,935	5,675,079	3,694,220	3,694,141	5,277
	1927	25	659	820,187	5,683,720	9,205,243	3,521,523	4,062
	1925	22	622	799,093	4,921,118	8,446,361	3,526,243	4,389
	1923	24	750	893,318	6,555,193	10,561,580	4,006,387	4,958
	1921	28	840	1,005,155	6,804,453	10,085,691	3,281,238	(²)
	1919	31	1,347	1,528,137	11,556,480	10,937,998	5,381,218	6,725
	1914	29	1,059	683,361	5,215,287	8,080,118	2,864,331	4,972
Explosives.....	1929	95	5,614	8,487,890	31,704,307	72,539,724	40,775,417	51,612
	1927	100	5,803	8,131,234	36,893,576	72,489,068	35,596,092	33,239
	1925	103	5,697	7,731,369	37,877,418	69,668,837	31,791,419	37,808
	1923	106	6,388	9,112,027	39,495,972	75,029,127	35,533,155	35,231
	1921	109	4,478	6,610,206	30,044,327	59,174,598	28,530,271	(²)
	1919	118	9,249	12,504,980	45,911,049	92,474,813	46,563,764	51,635
	1914	111	6,306	4,488,288	25,026,539	41,432,970	15,800,431	45,778
Fertilizers.....	1929	638	20,926	17,883,925	159,801,195	232,510,936	72,709,741	166,984
	1927	621	18,612	17,649,661	138,142,925	190,384,890	52,241,065	150,274
	1925	587	19,644	17,743,327	137,808,185	206,772,904	68,964,719	152,193
	1923	573	18,572	16,366,324	127,980,450	183,088,751	55,108,301	161,774
	1921	588	16,398	16,026,728	144,978,255	180,374,789	35,396,534	(²)
	1919	600	20,296	25,363,132	185,040,522	231,143,587	96,103,065	125,939
	1914	784	22,815	10,532,005	107,954,644	153,196,152	45,241,508	113,026
Fireworks.....	1929	50	1,811	1,930,595	2,464,617	6,583,502	4,118,385	1,746
	1927	36	1,564	1,395,024	2,623,672	5,884,939	3,261,267	1,800
	1925	41	1,446	1,429,093	2,399,200	6,031,435	3,632,235	1,148
	1923	38	1,224	1,156,120	1,830,933	4,977,008	3,146,075	941
	1921	37	1,229	1,116,075	1,917,104	4,726,870	2,809,766	(²)
	1919	57	1,222	994,851	2,108,156	4,629,984	2,521,828	1,005
	1914	41	1,324	616,279	1,206,006	2,200,236	1,060,230	707
Glue and gelatin.....	1929	74	2,998	4,236,092	18,978,027	32,458,019	13,479,992	23,584
	1927	61	3,226	4,524,232	19,222,384	31,105,807	11,973,423	24,763
	1925	55	3,325	3,976,383	15,337,870	25,763,977	10,429,107	22,807
	1923	50	3,651	4,076,904	14,590,638	24,366,097	9,775,459	24,708
	1921	47	2,915	3,573,149	13,401,858	21,342,004	7,940,146	(²)
	1919	62	4,264	4,776,724	19,279,005	32,134,067	12,854,162	16,979
	1914	57	3,129	1,853,548	9,367,922	13,732,824	4,364,962	13,299
Grease and tallow, not including lubricating greases...	1929	297	5,475	7,862,149	40,142,447	61,607,990	21,465,543	41,686
	1927	247	5,052	7,402,936	38,272,446	56,279,958	18,007,512	34,069
	1925	263	5,303	7,508,013	33,713,150	51,442,136	17,729,930	30,840
	1923	254	5,248	7,004,170	31,274,806	48,633,681	17,358,875	25,276
	1921	205	4,428	5,428,939	17,786,592	27,206,011	9,419,419	(²)
	1919	482	6,647	7,964,378	47,756,341	67,265,206	19,508,865	25,544
	1914	369	5,106	3,512,035	17,060,872	24,900,519	7,839,647	17,935

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY FOR GROUP 6—CHEMICALS AND ALLIED PRODUCTS: 1914 TO 1929—Continued

[See notes at head of this table]

INDUSTRY	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	Horse-power
Chemicals and allied products, etc.—Continued.								
Ink, printing.....	1929	147	2,448	\$3,957,185	\$19,204,715	\$42,749,992	\$23,545,277	20,300
	1927	123	2,288	8,605,199	16,054,110	37,734,493	21,050,353	18,901
	1925	109	2,160	3,345,071	10,252,786	34,753,329	18,500,543	17,041
	1923	99	1,975	2,558,742	14,779,289	29,412,122	14,632,833	14,703
	1921	97	1,676	2,470,997	10,644,453	20,869,477	10,225,024	(²)
	1919	90	1,983	2,574,920	14,061,115	26,244,470	11,553,355	10,229
	1914	70	1,391	1,063,959	6,805,874	13,830,312	7,024,438	7,048
Ink, writing.....	1929	29	416	479,995	1,992,573	4,594,974	2,602,401	847
	1927	24	491	576,091	2,205,835	5,342,027	3,133,192	743
	1925	23	524	596,200	2,424,311	6,084,315	3,600,004	700
	1923	31	378	634,374	2,653,486	6,107,379	3,453,893	695
	1921	33	504	646,058	2,062,291	4,980,148	2,917,857	(²)
	1919	61	702	596,168	3,320,346	6,433,941	3,113,595	610
	1914	54	512	262,780	1,236,227	2,783,642	1,547,415	561
Liquors, malt.....	1919	729	34,259	45,170,432	94,702,659	379,905,985	285,112,429	322,130
	1914	1,250	62,070	53,243,743	129,724,396	442,148,597	312,424,201	405,049
Liquors, vinous.....	1929	24	186	277,063	608,857	2,447,912	1,839,055	1,188
	1927	13	150	177,073	1,206,217	2,692,856	1,436,639	999
	1925	27	285	262,343	1,764,623	3,435,657	1,671,034	1,499
	1923	38	515	524,020	2,958,555	5,830,883	2,872,323	2,935
	1921	72	415	417,005	1,692,750	4,757,334	3,064,534	(²)
	1919	342	1,011	1,013,898	8,115,841	17,454,194	9,338,353	5,189
	1914	318	2,292	1,194,433	9,489,428	16,618,378	7,128,960	9,389
Mucilage, paste, and other adhesives, except glue and rubber cement.....	1929	84	414	546,926	3,608,707	6,638,387	2,969,680	2,564
	1927	80	502	679,468	4,270,361	7,045,403	3,675,042	2,219
	1925	84	561	766,251	5,562,740	9,853,302	4,290,562	2,574
Paints and varnishes.....	1929	1,063	29,211	42,244,695	334,132,065	568,975,838	234,843,773	180,315
	1927	1,006	28,061	40,184,732	307,724,370	519,009,842	211,285,472	163,187
	1925	923	25,490	35,419,552	298,943,040	470,736,264	176,793,224	143,111
	1923	826	22,818	29,871,195	248,954,692	404,134,231	156,179,539	114,281
	1921	804	18,015	23,298,275	171,397,822	274,310,314	102,912,492	(²)
	1919	830	21,507	24,118,159	217,112,372	340,346,803	123,234,431	84,827
	1914	800	16,083	10,180,288	88,465,757	145,023,691	57,157,934	67,568
Patent or proprietary medicines and compounds.....	1929	1,522	16,434	18,780,980	94,769,833	318,906,928	224,137,095	44,538
	1927	1,282	15,071	16,667,425	84,640,850	278,242,929	193,602,079	34,082
	1925	1,279	14,802	15,592,017	84,789,647	247,564,040	162,774,399	33,840
	1923	1,363	17,353	16,914,859	88,802,058	237,494,447	148,692,389	29,998
	1921	1,436	13,800	13,684,434	69,571,327	175,898,330	106,327,003	(²)
	1919	2,467	17,444	13,748,813	88,819,417	212,162,255	123,342,838	25,409
	1914	2,603	13,328	6,675,168	35,940,434	102,463,374	66,522,940	18,326
Perfumes, cosmetics, and other toilet preparations.....	1929	815	13,109	13,762,961	58,298,370	193,440,550	135,141,671	12,150
	1927	705	10,463	10,965,085	52,765,346	161,245,659	108,480,313	10,431
	1925	594	8,714	8,536,510	46,932,699	129,510,453	82,577,754	7,381
	1923	465	7,761	7,102,044	37,635,988	100,241,486	62,605,498	6,502
	1921	422	5,838	5,858,337	28,012,720	72,540,904	44,523,184	(²)
	1919	569	5,405	3,983,016	26,147,026	50,613,391	33,466,365	2,190
	1914	496	2,897	1,279,899	7,464,786	16,899,101	9,434,315	1,815
Rayon and allied products ⁶	1929	20	39,100	44,697,129	33,334,753	149,546,107	116,211,354	195,844
	1927	19	26,341	26,649,441	25,747,792	109,888,336	84,140,544	122,406
	1925	14	19,128	22,975,605	18,477,065	69,582,997	60,582,997	66,966
Salt.....	1929	58	5,458	6,735,484	14,187,797	37,868,697	23,680,900	57,711
	1927	58	5,991	7,117,454	14,694,126	34,329,236	19,665,110	55,928
	1925	70	6,308	7,260,552	13,848,644	34,253,056	20,404,412	54,047
	1923	75	6,809	8,129,492	16,476,623	36,837,162	20,360,539	58,101
	1921	79	5,993	7,147,512	16,407,355	33,158,558	16,751,203	(²)
	1919	86	6,495	7,353,420	16,027,791	37,513,821	21,486,030	42,051
	1914	98	5,089	3,041,294	6,273,030	14,070,333	7,797,303	29,007
Soap.....	1929	282	14,363	18,994,656	180,352,984	310,191,530	129,838,546	65,856
	1927	266	13,432	19,715,931	172,244,180	287,059,935	114,815,805	62,025
	1925	272	15,406	18,526,104	184,373,637	278,273,107	93,399,570	56,897
	1923	270	17,002	20,776,443	173,648,981	276,402,838	102,856,857	74,820
	1921	283	16,558	18,864,713	150,355,643	240,194,619	89,838,976	(²)
	1919	348	20,436	21,228,063	238,518,355	310,740,115	78,221,257	33,700
	1914	371	14,172	8,087,937	88,566,786	127,942,441	39,075,655	34,106
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.....	1929	126	2,419	3,113,617	25,335,629	39,836,035	14,500,406	22,575
	1927	122	2,414	2,971,477	23,073,925	35,677,033	12,603,103	29,172
	1925	126	2,495	2,937,070	22,763,114	34,733,703	12,020,689	32,634
	1923	125	3,243	3,807,733	24,033,018	35,071,612	11,938,594	32,333
	1921	123	2,093	3,007,547	20,105,517	28,310,708	8,205,191	(²)
	1919	144	4,342	4,734,614	34,592,668	53,744,233	19,151,585	34,295
	1914	112	2,839	1,613,116	13,237,995	20,620,336	7,382,841	23,288
Wood distillation and charcoal manufacture.....	1929	91	4,643	5,293,240	14,791,111	29,593,672	14,802,561	25,509
	1927	88	4,637	4,739,153	15,422,575	27,630,487	12,207,612	16,833
	1925	106	4,217	4,304,904	15,824,055	25,283,432	9,459,377	17,907
	1923	123	4,123	4,324,843	17,268,950	29,695,423	12,426,473	14,910
	1921	108	2,130	1,913,503	6,727,787	9,677,552	2,949,473	(²)
	1919	156	5,155	5,465,761	20,319,973	33,134,732	12,814,759	15,320
	1914	142	3,010	1,645,335	6,728,188	10,284,597	3,556,409	10,179

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 6.—SUMMARY FOR GROUP 6—CHEMICALS AND ALLIED PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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	Horse-power
Animal, vegetable, and compounded oils, total...	1929	679	20,039	\$17,577,252	\$391,282,321	\$470,116,084	\$78,833,763	332,150
	1927	781	24,762	23,818,129	393,894,523	495,912,639	102,018,111	320,217
	1925	773	22,700	20,946,169	455,642,083	559,855,970	104,213,882	284,027
	1923	773	19,817	17,389,681	386,661,899	480,951,470	74,289,571	265,235
	1921	910	22,071	19,620,840	330,415,581	384,953,568	54,537,937	(²)
	1919	1,095	35,190	30,199,820	718,943,835	864,060,955	145,117,120	339,502
	1914	1,193	25,596	11,113,484	248,516,931	297,363,320	48,846,389	277,740
Oil, cake, and meal, cottonseed.....	1929	553	15,825	11,203,227	249,019,800	298,376,039	49,356,239	284,395
	1927	547	18,434	14,268,555	220,038,437	276,338,488	50,300,051	270,500
	1925	535	16,215	11,411,854	244,315,214	295,684,526	51,369,312	239,005
	1923	511	12,745	7,908,305	197,514,913	220,387,758	28,872,845	223,742
	1921	610	16,163	12,339,895	194,864,331	217,225,030	22,360,699	(²)
	1919	711	20,766	20,615,193	405,192,294	581,244,798	86,052,504	289,981
	1914	882	21,810	8,489,692	180,976,413	212,127,024	31,150,611	249,781
Oil, cake, and meal, linseed.....	1929	29	2,715	4,067,712	101,562,787	119,926,867	18,364,080	31,191
	1927	33	2,718	4,324,938	97,750,860	111,543,845	13,793,495	28,273
	1925	33	2,692	4,260,063	121,762,284	140,513,542	18,751,263	25,869
	1923	34	2,631	3,783,516	102,689,799	113,221,318	10,531,519	21,674
	1921	28	2,073	3,019,376	58,452,351	71,032,261	12,579,910	(²)
	1919	26	2,173	3,052,269	100,577,658	120,638,100	20,060,562	17,621
	1914	25	1,488	1,127,169	39,556,408	44,882,538	5,327,130	15,511
Oils, essential.....	1929	22	265	325,881	3,804,228	6,653,353	2,849,125	1,894
	1927	14	169	253,036	3,427,334	4,641,861	1,214,527	763
	1925	14	178	281,395	4,362,512	5,881,689	1,519,177	1,164
	1923	17	170	237,409	2,255,772	3,184,124	928,352	1,388
	1921	27	299	363,879	2,548,459	3,421,690	873,261	(²)
	1919	78	321	391,213	3,903,417	5,698,403	1,794,986	1,833
	1914	105	249	133,272	1,564,835	2,313,606	748,771	1,959
Oils, not elsewhere classified ³	1929	75	1,234	1,950,432	30,895,506	45,159,825	8,264,319	14,670

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 subgroup or aggregate for group.

The figures for "Chemicals, not elsewhere classified" for 1923 and prior years include data for establishments engaged primarily in the manufacture of rayon; and for 1925 and prior years they include data for establishments whose principal products were compressed and liquefied gases. The manufacture of sulphuric, nitric, and mixed acids is now included in the "Chemicals, not elsewhere classified" industry, but was classified as a separate industry at the censuses for 1927 and prior years. The figures for the earlier years as presented in this table have been adjusted so as to make them comparable with those for 1923.

⁵ See note 5.

⁶ No comparable statistics available for earlier years.

⁷ At previous censuses the "Oils, not elsewhere classified" industry included the manufacture of lubricating oils other than those made in petroleum refineries, but at the census for 1929 such oils have been treated as products of the "Lubricating oils and greases, not made in petroleum refineries" industry, Group 7. Because of this change in classification no comparative figures for years prior to 1929 are available. No adjustments have been made in the totals for earlier years for the subgroup or the aggregate for the group because of the omission of these data.

GROUP 7.—PRODUCTS OF PETROLEUM AND COAL

This group comprises five industries, namely: "Coke, not including gas-house coke"; "Fuel, manufactured"; "Gas, manufactured, illuminating and heating"; "Lubricating oils and greases, not made in petroleum refineries"; and "Petroleum refining."

The "Lubricating oils and greases, not made in petroleum refineries" industry as at present constituted differs from the "Lubricating greases, not made

in petroleum refineries" industry as constituted at the censuses for 1927 and prior years, in that it includes the manufacture of lubricating oils by establishments other than petroleum refineries, such establishments having formerly been assigned to the "Oils, not elsewhere classified" industry, in Group 6.

Summary statistics for the group, by industries, are given in the table below.

TABLE 7.—SUMMARY FOR GROUP 7—PRODUCTS OF PETROLEUM AND COAL: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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
Total for the group.....	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	2,292,098,554	3,060,225,609	797,527,145	1,513,314
	1925	1,582	186,866	210,033,811	2,356,583,404	3,230,008,511	873,425,107	1,241,877
	1923	1,650	198,330	212,881,674	1,981,370,216	2,778,888,167	797,517,951	1,092,914
	1921	1,660	115,036	180,452,175	1,760,804,612	2,372,039,178	611,234,566	(?)
	1919	1,684	181,759	185,599,027	1,635,919,806	2,289,170,161	653,250,365	709,597
	1914	1,782	90,882	60,881,700	474,558,368	721,656,198	247,097,840	464,659
Coke, not including gas-house coke.....	1929	153	20,552	33,389,425	281,592,430	416,343,458	134,760,028	393,211
	1927	171	21,082	84,167,092	236,728,701	382,012,617	96,283,916	451,874
	1925	237	23,191	96,782,401	277,750,675	378,633,527	100,882,862	409,552
	1923	262	28,364	48,107,894	354,080,441	516,922,808	162,802,467	332,560
	1921	176	16,070	28,832,946	195,790,864	221,313,363	52,522,400	(?)
	1919	278	20,319	42,299,202	224,266,674	316,515,838	92,246,164	224,879
	1914	231	21,107	14,288,052	69,138,325	99,275,020	30,130,692	117,127
Fuel: Briquettes and boulets.....	1929	23	426	584,029	5,918,799	9,497,657	3,578,858	14,803
	1927	20	274	445,511	4,873,195	7,203,410	2,330,215	9,594
	1925	14	246	369,280	3,935,509	6,019,310	2,083,807	6,573
	1923	15	364	510,604	3,907,197	5,584,070	1,676,873	7,623
	1921	14	371	484,422	2,290,374	3,177,742	897,368	(?)
	1919	11	171	221,545	1,386,304	1,973,877	587,483	5,180
	1914	14	141	111,774	609,068	862,904	253,836	3,444
Gas, manufactured, illuminating and heating.....	1929	754	43,055	60,160,926	188,416,183	512,652,595	324,236,412	544,024
	1927	828	48,497	68,356,448	211,785,523	516,705,170	304,919,647	496,014
	1925	919	46,998	67,436,443	178,423,145	455,460,053	277,036,908	423,132
	1923	939	42,282	59,600,334	191,120,082	450,097,161	268,977,079	358,605
	1921	954	34,956	53,308,407	202,253,479	411,195,503	208,942,024	(?)
	1919	1,022	42,608	62,758,628	197,550,882	329,278,908	171,728,026	288,454
	1914	1,284	43,702	26,801,664	76,779,288	220,237,790	143,468,502	213,303
Lubricating oils and greases, not made in petroleum refineries. ²	1929	177	2,577	3,738,637	39,571,373	69,584,246	30,012,873	13,281
Petroleum refining.....	1929	390	80,596	131,176,993	2,031,341,408	2,639,665,001	608,323,593	789,849
	1927	354	71,234	113,716,705	1,752,997,043	2,142,618,503	389,651,460	552,651
	1925	359	65,324	104,645,391	1,889,678,019	2,376,656,556	486,978,537	393,753
	1923	382	66,717	103,833,760	1,425,052,861	1,798,700,087	363,647,226	349,154
	1921	366	63,189	102,294,108	1,382,170,434	1,727,440,167	345,269,723	(?)
	1919	320	58,889	89,749,637	1,247,005,355	1,632,532,768	884,624,411	238,906
	1914	176	25,366	19,397,466	325,264,500	396,361,406	71,096,807	128,190

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 Because of the transfer of establishments engaged primarily in the manufacture of lubricating oils from the "Oils, not elsewhere classified" industry, Group 6, to the

fore are not presented separately in this table. They are, however, included in the totals for the group.

⁴ Revised; revision not carried into total for group.

GROUP 8.—RUBBER PRODUCTS

This group comprises three industries, namely (1) Rubber tires and inner tubes; (2) Rubber boots and shoes; and (3) Rubber goods, other than tires, inner tubes, and boots and shoes. These industries embrace establishments using india rubber or gutta-percha as an important constituent in the manufacture of their products of chief value.

Description of the industries.—The "Rubber tires and inner tubes" industry embraces those establishments which are engaged primarily in the manufacture of pneumatic tires, inner tubes, and solid and cushion rubber tires, for any class of vehicles.

The establishments assigned to the "Rubber boots and shoes" industry are those whose leading products are rubber boots, shoes, overshoes, and canvas rubber-soled shoes.

The principal products of the "Rubber goods, other than tires, inner tubes, and boots and shoes" industry are rubber belting and hose, rubber heels and soles, reclaimed rubber, rubberized fabrics, and hard-rubber goods. (The rubber-goods industry does not include the manufacture of rubber-insulated wire and cable, which are treated as products of the "Electrical machinery, apparatus, and supplies" industry.)

Changes in classification.—At censuses prior to that for 1921, all manufacturers of rubber products other than boots and shoes, belting, and hose were classified under a single industry designation, "Rubber tires, tubes, and rubber goods not elsewhere specified," but at the census for 1921 and subsequent censuses the manufacture of rubber tires and inner tubes has been treated as a separate industry.

The manufacture of rubber belting and hose, classified separately for 1921 and prior years, is now treated as a part of the "Rubber goods, other than tires, inner tubes, and boots and shoes" industry. This change was made because of the fact that considerable quantities of belting and hose are made as secondary products by establishments whose chief products are other classes of rubber goods, so that the total value of rubber belting and hose made either as primary or as secondary products by establishments in the several industries in the rubber group differs considerably from the total value of products reported by establishments engaged primarily in the manufacture of rubber belting and hose.

TABLE 8.—SUMMARY FOR GROUP 8—RUBBER PRODUCTS: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products ¹	Value added by manufacture ²	Horsepower
TOTAL FOR THE GROUP							
1929	525	149, 148	\$207, 305, 857	\$578, 977, 681	\$1, 117, 460, 252	\$538, 782, 571	821, 312
1927	516	141, 997	198, 073, 743	600, 370, 209	1, 225, 077, 114	554, 709, 905	790, 622
1925	530	141, 869	191, 235, 520	721, 729, 975	1, 200, 805, 093	539, 075, 338	659, 691
1923	529	137, 808	182, 094, 056	501, 162, 768	958, 517, 084	457, 354, 866	605, 634
1921	496	103, 273	123, 612, 873	377, 379, 372	704, 803, 133	327, 023, 761	(*) 423, 273
1919	477	158, 549	193, 703, 089	594, 343, 590	1, 138, 215, 019	543, 872, 429	403, 227
1914	342	74, 022	44, 187, 402	103, 034, 713	300, 993, 796	137, 959, 083	190, 242
RUBBER TIRES AND INNER TUBES⁴							
1929	91	83, 283	\$127, 081, 975	\$429, 606, 971	\$770, 176, 890	\$340, 569, 910	463, 257
1927	109	78, 256	120, 093, 854	499, 220, 942	869, 683, 063	370, 467, 421	451, 724
1925	126	81, 640	120, 614, 081	559, 939, 311	925, 001, 520	365, 061, 769	403, 227
1923	100	73, 963	108, 623, 102	365, 163, 016	644, 193, 697	279, 028, 681	370, 551
1921	178	55, 496	75, 054, 148	291, 554, 377	496, 123, 335	204, 568, 958	(*) 370, 551
RUBBER BOOTS AND SHOES							
1929	22	25, 559	\$29, 945, 265	\$34, 395, 466	\$102, 537, 625	\$68, 141, 159	62, 603
1927	22	26, 848	32, 078, 955	43, 372, 915	124, 607, 801	81, 234, 885	68, 359
1925	23	24, 999	28, 057, 948	40, 566, 085	115, 934, 554	75, 368, 469	59, 413
1923	25	29, 435	33, 670, 810	45, 268, 988	131, 739, 742	80, 470, 764	66, 184
1921	24	23, 888	23, 428, 115	32, 132, 942	94, 032, 524	61, 899, 582	(*) 40, 400
1919	25	32, 875	30, 832, 722	50, 346, 880	110, 917, 434	66, 570, 554	24, 561
1914	23	18, 687	9, 936, 454	23, 956, 036	53, 822, 123	29, 869, 087	
RUBBER GOODS, OTHER THAN TIRES, INNER TUBES, AND BOOTS AND SHOES⁴							
1929	412	40, 226	\$50, 278, 617	\$114, 674, 244	\$244, 745, 737	\$130, 071, 493	295, 452
1927	385	36, 893	45, 930, 934	117, 776, 651	230, 781, 250	113, 004, 599	270, 539
1925	381	35, 230	42, 613, 491	121, 223, 779	219, 868, 989	98, 645, 210	197, 051
1923	344	34, 470	39, 700, 144	90, 728, 764	182, 584, 195	91, 855, 431	178, 899
1921	294	23, 889	25, 130, 610	54, 192, 053	114, 747, 274	60, 555, 221	(*) 178, 899

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See GENERAL EXPLANATIONS—Value of Products.
² Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.
³ Not called for on schedule.
⁴ No comparable data are available for years prior to 1921 for "Rubber tires and inner tubes" or for "Rubber goods, other than tires, inner tubes, and boots and shoes."

GROUP 9.—LEATHER AND ITS MANUFACTURES

The leather group is made up of 10 industries, namely: (1) Leather—Tanned, curried, and finished; (2) Leather belting; (3) Boot and shoe cut stock, not made in boot and shoe factories; (4) Boot and shoe findings, not made in boot and shoe factories; (5) Boots and shoes, other than rubber; (6) Leather gloves and mittens; (7) Pocketbooks, purses, and cardcases; (8) Saddlery and harness; (9) Trunks, suitcases, and bags; (10) Leather goods, not elsewhere classified.

Duplication in group totals for cost of materials and value of products.—The cost-of-materials and value-of-products figures for the leather-industries group as a whole include a considerable amount of duplication resulting from the use of the products of establishments in certain industries as materials by establishments in other industries. In other words, the total value of products for the group includes not only the factory value of the finished products in the form in which they reach the final purchaser but also the value of the products of the "Leather: Tanned, curried, and finished" industry, which are used as materials in the

other leather industries, and the value of the products of the "Boot and shoe cut stock" and "Boot and shoe findings" industries, which are used as materials in the boot and shoe industry proper. Similarly, the total cost of materials for the group includes not only the cost of the hides and other basic raw materials produced outside the leather group and used as materials by tanneries but also the amounts paid for tannery products and for boot and shoe cut stock and boot and shoe findings by establishments which use these products as materials for further manufacture. Furthermore, reduplication occurs in the case of boot and shoe cut stock not made in boot and shoe factories; for the value of the leather used in making such stock appears three times in the total value of products for the group—once as reported by the tanneries, again as a part of the value of the cut stock, and still again as a part of the value of finished boots and shoes. Within any one of the industries, however, there is little duplication resulting from the use of the products of some establishments as materials by others.

TABLE 9.—SUMMARY FOR GROUP 9—LEATHER AND ITS MANUFACTURES: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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
Total for the group-----	1929	4,277	318,415	\$359,412,972	\$1,131,941,963	\$1,905,976,775	\$774,034,312	436,342
	1927	4,265	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	1,763,709,361	750,828,766	418,178
	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	363,463,419	1,713,807,336	2,610,230,727	896,423,391	382,537
	1914	6,788	307,060	169,357,580	753,135,354	1,104,594,557	351,459,203	311,194
Leather: Tanned, curried, and finished, total-----	1929	471	40,932	63,413,707	337,597,868	431,340,299	143,742,431	229,660
	1927	494	52,924	67,837,231	331,984,786	494,255,838	162,271,102	220,530
	1925	531	52,263	65,834,112	296,953,488	452,185,000	155,232,512	215,678
	1923	597	59,703	73,784,340	321,749,551	488,897,835	167,148,284	230,187
	1921	608	43,955	57,740,510	277,724,919	383,365,048	105,640,129	(²)
	1919	680	72,476	83,205,473	646,521,527	928,591,701	282,070,174	217,761
	1914	741	55,938	31,914,497	284,245,420	307,201,705	82,966,285	171,734
Finished products of leather, total-----	1929	3,806	268,483	295,999,265	794,344,086	1,424,636,476	630,292,331	206,682
	1927	3,771	293,067	296,560,165	756,655,981	1,375,049,210	618,393,229	199,061
	1925	3,712	261,762	289,512,299	716,927,117	1,311,523,351	595,596,244	197,436
	1923	4,272	285,747	315,711,932	775,064,949	1,404,735,405	629,670,456	190,277
	1921	4,205	231,116	256,671,162	656,072,786	1,160,820,203	504,147,417	(²)
	1919	5,717	276,886	275,247,946	1,067,285,809	1,681,639,026	614,353,217	164,776
	1914	6,017	251,124	137,443,063	465,889,634	737,392,852	268,502,918	139,400
Belting-----	1929	207	2,602	3,549,721	20,679,778	35,631,632	14,961,904	6,326
	1927	173	2,164	2,925,416	16,185,297	27,295,752	11,080,485	6,723
	1925	168	2,644	3,505,450	18,303,230	31,610,926	12,942,690	6,889
	1923	169	3,100	3,893,419	24,569,125	37,723,513	13,154,393	9,075
	1921	164	2,268	2,841,644	13,075,740	19,168,255	6,092,516	(²)
	1919	172	2,765	3,260,439	23,156,711	40,480,634	12,333,943	7,012
	1914	151	2,951	2,069,545	16,480,110	23,035,951	7,555,841	7,385

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 9.—SUMMARY FOR GROUP 9—LEATHER AND ITS MANUFACTURES: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Finished products of leather—Cont.								
Boot and shoe cut stock, not made in boot and shoe factories.	1929	210	9,499	\$10,319,096	\$107,545,777	\$133,447,914	\$25,902,137	15,828
	1927	201	8,611	9,354,049	97,950,431	121,022,421	23,055,990	13,718
	1925	245	7,977	8,906,159	76,320,204	94,047,681	18,721,477	14,859
	1923	228	8,038	7,980,851	82,031,754	102,833,245	20,800,491	14,429
	1921	226	7,049	7,613,216	56,922,902	72,691,504	15,768,662	(²)
	1919	252	9,715	9,124,778	133,837,276	161,203,810	27,816,034	8,448
	1914	236	7,819	4,052,123	51,450,498	59,904,523	8,514,025	6,018
Boot and shoe findings, not made in boot and shoe factories.	1929	352	10,376	11,058,252	31,904,401	58,025,445	26,061,044	20,259
	1927	379	9,950	11,201,872	31,862,322	57,433,389	25,571,067	18,021
	1925	326	8,605	9,695,136	29,245,459	52,058,529	22,815,360	15,419
	1923	364	7,865	8,274,016	27,653,235	45,012,533	20,359,298	12,825
	1921	344	5,917	6,608,798	22,930,700	39,116,538	16,185,838	(²)
	1919	427	8,941	8,187,196	40,428,347	62,325,408	22,897,061	9,970
	1914	369	6,714	3,225,683	20,304,183	28,303,180	7,999,003	5,436
Boots and shoes, other than rubber.....	1929	1,341	205,640	222,407,732	515,055,246	665,922,604	450,867,448	140,329
	1927	1,357	203,110	225,090,242	494,553,016	944,714,463	450,161,447	135,706
	1925	1,460	208,992	225,787,981	481,631,964	925,333,422	443,751,453	139,569
	1923	1,606	225,216	250,345,922	527,456,868	1,000,078,022	472,621,154	128,550
	1921	1,505	183,502	204,954,095	478,432,445	887,478,308	359,043,451	(²)
	1919	1,449	211,049	210,734,610	715,269,315	1,155,041,433	439,772,121	115,886
	1914	1,355	191,555	105,065,404	310,356,586	501,760,458	191,403,872	95,966
Gloves and mittens ³	1929	257	9,203	9,203,911	20,205,740	39,122,729	18,916,989	3,498
	1927	232	9,108	8,813,912	19,276,416	36,662,053	17,355,937	2,603
	1925	226	7,115	6,014,788	17,778,603	33,292,918	15,514,222	3,269
	1923	260	10,010	8,544,709	20,223,924	38,080,575	17,855,551	4,372
	1921	272	7,907	5,842,784	13,844,159	24,855,321	11,011,182	(²)
	1919	355	10,085	8,150,784	26,286,129	46,940,511	20,654,382	3,288
	1914	352	10,668	4,558,860	12,170,694	21,014,109	9,449,415	3,308
Pocketbooks, purses, and cardcases.....	1929	290	10,430	15,229,422	35,351,605	68,627,515	33,275,910	1,828
	1927	257	8,570	13,169,509	29,618,524	57,344,655	27,728,131	1,725
	1925	190	6,326	9,021,720	22,442,200	43,105,218	20,663,013	1,356
	1923	207	5,518	7,291,112	16,235,882	32,731,725	16,496,843	1,094
	1921	115	2,715	3,224,244	6,221,200	13,084,969	6,865,769	(²)
	1919	139	2,905	3,061,903	7,557,155	14,549,659	6,992,504	431
	1914	64	1,466	702,314	1,783,840	3,850,552	1,566,712	242
Saddlery and harness.....	1929	260	3,339	3,713,728	13,834,124	23,338,555	9,504,431	4,698
	1927	264	4,023	4,641,398	16,529,180	27,366,244	10,830,064	4,903
	1925	258	4,570	5,059,662	18,775,991	30,083,555	11,307,594	5,021
	1923	472	6,017	6,915,681	24,460,405	42,113,300	17,652,895	7,761
	1921	693	4,489	4,996,664	17,664,981	30,163,601	12,498,620	(²)
	1919	1,823	10,411	10,849,066	52,442,907	83,713,010	31,270,103	8,205
	1914	2,551	12,969	7,995,612	33,036,442	53,568,612	20,472,170	10,362
Trunks, suitcases, and bags.....	1929	467	11,859	13,750,761	31,693,935	68,968,929	32,274,964	10,220
	1927	495	10,345	13,084,687	29,128,235	59,958,681	30,830,446	9,001
	1925	475	10,348	13,225,966	31,381,851	61,223,867	29,842,016	7,893
	1923	605	11,441	13,520,094	32,836,805	63,023,072	30,136,177	7,269
	1921	604	8,712	10,260,364	23,882,610	46,548,977	22,666,367	(²)
	1919	697	11,470	12,463,767	33,222,432	63,932,266	30,709,834	7,696
	1914	561	9,911	5,540,157	13,025,457	26,471,527	12,340,070	7,510
Leather goods, not elsewhere classified....	1929	392	6,085	6,759,742	18,013,489	35,951,013	17,937,524	3,196
	1927	413	7,188	8,379,080	21,639,590	43,291,552	21,751,962	3,651
	1925	364	6,085	7,395,537	20,473,515	40,511,952	20,038,437	3,223
	1923	461	7,882	8,944,278	19,596,861	40,134,415	20,537,554	4,902
	1921	482	8,557	10,329,353	23,698,049	47,715,082	24,017,033	(²)
	1919	503	8,945	9,415,403	30,035,537	52,952,772	22,917,235	3,840
	1914	378	7,071	3,603,805	10,632,124	19,333,934	8,701,810	3,233

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 Revised; this revision not carried into the group total.

⁴ The figures for 1925 and subsequent years are not comparable with those for 1923 and prior years because of the inclusion in the figures for earlier years of the statistics for certain establishments which manufactured gloves and mittens of cloth and leather combined; for later years, this class of establishments was included in the cloth-glove and mitten industry.

GROUP 10.—STONE, CLAY, AND GLASS PRODUCTS

The industries in Group 10 derive their principal materials from the earth in the form of stone, clay, and sand, and the group is constituted on the basis of this similarity in regard to source of materials rather than upon any similarity in the character or uses of the finished products.

Certain of the industries in this group as formerly constituted—namely, "Grindstones, pulpstones, and millstones," "Hones, whetstones, and similar products," and "Minerals and earths, ground or otherwise treated"—were closely related to quarrying, and many of the establishments assigned to them were engaged primarily in quarrying and only incidentally in manufacturing. At the census for 1929, however, such establishments were excluded from the manufactures-census classification and assigned to the appropriate quarrying industries, which were canvassed at the Decennial Census of Mines and Quarries. As a result the production of grindstones, pulpstones, and millstones has been abandoned as a manufacturing industry and the present manufactures-census classifications for the other two industries in question have been restricted to those establishments which purchase their quarried materials. The figures for

these industries for 1927 and prior census years are not, therefore, comparable with those for 1929.

In several of the other industries in this group—namely, "Cement," "Clay products," "Lime," "Marble, granite, slate, and other stone products," and "Pottery"—both mining or quarrying operations and manufacturing are in some cases carried on by the same establishment. As such establishments usually keep only single sets of books, and as the same employees are sometimes engaged in both lines of work, it is impossible to separate the data for mining or quarrying from those for manufacturing.

This group has been divided into three subgroups, namely, (1) industries in which stone is the principal material; (2) those in which clay is the principal material; and (3) the glass industry and those industries which use glass as their principal material. The classification of a few industries is necessarily rather arbitrary. For example: Cement is one of the materials used in the manufacture of concrete products; and plaster as well as stone and clay are used in the manufacture of statuary and art goods.

The following table presents summary statistics for the group as a whole, by subgroups and industries.

TABLE 10.—SUMMARY FOR GROUP 10—STONE, CLAY, AND GLASS PRODUCTS: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included or 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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
Aggregate for the group.....	1929	8,514	328,417	\$432,817,393	\$526,339,079	\$1,561,414,590	\$1,035,074,611	2,854,402
	1927	8,073	350,017	464,272,991	594,774,314	1,612,548,785	1,017,774,451	2,709,131
	1925	8,478	353,036	467,012,428	603,426,910	1,640,651,955	1,037,225,075	2,348,157
	1923	8,317	351,692	453,567,361	573,472,386	1,563,120,627	989,648,241	1,936,054
	1921	8,347	252,990	307,064,599	428,253,661	1,033,691,070	604,832,409	(2)
	1919	12,599	302,810	332,725,753	422,611,208	1,111,745,070	689,134,802	1,684,017
	1914	14,790	335,824	206,084,755	240,818,101	618,699,787	377,881,686	1,493,076
	Industries using stone as a material, total.....	1929	5,146	116,411	171,789,939	268,245,775	751,210,410	482,964,635
1927		5,156	126,569	187,878,339	303,631,823	787,843,224	484,211,401	1,672,639
1925		4,852	123,699	178,644,390	300,793,054	779,030,905	478,237,851	1,365,906
1923		4,821	118,560	167,466,066	273,368,200	697,460,550	424,092,350	1,071,210
1921		4,752	84,655	109,833,103	212,557,002	464,614,443	282,057,446	(3)
1919		7,969	93,881	108,521,394	195,406,952	457,768,991	262,352,039	796,159
1914		9,530	115,642	74,636,913	110,163,342	277,661,345	158,398,003	808,040
Asbestos products, other than steam packing or pipe and boiler covering.....		1929	67	8,092	10,776,712	25,408,002	56,164,036	30,756,034
	1927	62	6,337	8,375,502	21,517,740	44,156,388	22,638,648	26,625
	1925	49	6,129	7,691,801	19,225,002	36,273,797	17,043,706	22,918
	1923	56	6,078	6,640,022	20,026,265	36,820,444	16,794,179	26,855
	1921	40	2,026	1,947,698	6,076,000	13,030,440	6,954,440	(3)
	1919	46	3,654	3,731,974	12,947,702	23,677,657	11,029,855	9,667
	1914	32	962	483,736	1,360,185	2,813,578	1,453,393	2,861

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 10.—SUMMARY FOR GROUP 10—STONE, CLAY, AND GLASS PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Industries using stone as a material—Continued								
Cement.....	1929	174	33,368	\$48,849,096	\$95,242,497	\$267,500,260	\$172,266,763	1,183,989
	1927	161	36,322	63,110,745	120,012,025	293,565,293	173,563,268	1,069,390
	1925	145	38,437	63,911,519	114,168,969	300,895,070	186,726,101	871,650
	1923	133	35,091	49,707,992	100,766,747	264,098,497	163,331,750	642,840
	1921	125	20,231	34,415,677	102,359,037	203,026,929	101,287,292	(²)
	1919	123	25,524	33,194,920	70,609,800	175,264,910	95,755,110	488,808
	1914	133	27,813	18,192,232	51,986,798	101,756,444	49,769,646	490,402
Concrete products.....	1929	2,438	16,505	22,088,062	34,035,184	92,900,740	58,865,565	67,051
	1927	2,330	17,808	24,897,709	33,913,086	93,259,206	59,346,120	54,342
	1925	1,600	14,722	20,761,376	27,792,116	75,213,986	47,421,870	38,361
	1923	1,128	10,766	14,834,042	20,485,547	53,602,321	33,110,774	30,748
	1921	1,123	6,984	8,690,770	13,483,392	31,768,143	18,284,751	(²)
	1919	2,785	8,378	9,310,899	13,913,317	33,064,332	19,751,015	22,178
	1914	3,548	10,255	6,307,752	8,903,630	21,038,630	13,030,000	20,274
Emery wheels and other abrasive and polishin appliances.....	1929	67	3,873	5,820,143	12,416,663	32,154,311	19,737,648	18,113
	1927	68	3,261	4,608,167	10,839,973	24,181,837	13,341,864	13,464
	1925	63	3,352	4,770,354	11,104,457	25,730,434	14,625,977	11,054
	1923	57	3,595	4,707,834	10,698,320	25,300,812	14,608,492	11,530
	1921	63	2,840	2,876,413	6,183,515	12,558,834	6,375,319	(²)
	1919	60	5,601	5,878,748	12,228,187	30,949,270	18,721,083	12,963
	1914	49	2,387	1,490,898	3,006,472	7,129,741	4,123,269	4,080
Grindstones, pulpstones, and millstones ⁴	1927	23	468	559,510	257,820	1,620,697	1,302,868	3,585
	1925	21	454	559,654	291,126	1,630,666	1,539,440	3,005
	1923	21	647	691,324	558,551	2,096,131	1,536,580	3,896
	1921	17	503	514,476	458,453	1,498,897	1,040,444	(¹)
	1919	35	712	642,863	269,362	1,436,310	1,168,957	3,763
	1914	14	686	322,812	115,688	683,936	668,348	2,160
Hones, whetstones, and similar products ⁴	1929	6	174	182,155	340,669	868,811	528,142	850
Lime.....	1929	237	8,554	9,476,314	13,907,760	35,815,688	21,907,898	90,276
	1927	200	10,903	12,100,918	17,269,467	41,587,458	24,317,991	84,195
	1925	283	12,095	14,002,128	20,049,363	50,736,499	30,687,136	87,871
	1923	301	12,290	13,522,069	19,700,191	47,243,786	27,549,565	74,205
	1921	292	10,346	9,801,661	14,214,205	31,015,487	16,301,282	(²)
	1919	476	11,405	10,869,198	14,293,926	38,970,463	19,673,538	51,735
	1914	627	12,429	6,039,608	7,657,070	18,380,805	10,833,135	39,079
Marble, granite, slate, and other stone products.....	1929	1,881	37,817	63,040,864	57,637,888	192,163,916	134,526,078	305,015
	1927	1,978	40,474	68,480,655	66,328,248	201,181,281	134,853,033	295,174
	1925	2,366	36,575	59,592,678	66,976,305	193,046,836	128,070,531	240,267
	1923	2,691	40,060	51,599,519	66,882,788	181,537,444	124,654,656	213,133
	1921	2,925	30,260	44,135,464	59,067,050	137,241,121	84,174,071	(²)
	1919	4,240	32,768	38,364,822	49,524,341	129,164,653	79,040,312	169,177
	1914	4,901	54,891	37,960,517	37,802,335	107,054,593	69,252,258	206,115
Sand-lime brick.....	1929	40	566	776,202	944,534	2,970,923	2,026,389	7,346
	1927	45	790	1,051,495	1,157,965	3,616,456	2,458,491	8,598
	1925	41	801	1,118,634	1,237,070	3,759,729	2,521,759	6,396
	1923	31	682	667,850	946,931	2,408,106	1,462,175	4,332
	1921	26	374	361,182	500,689	1,220,425	719,738	(²)
	1919	32	504	501,854	675,402	1,663,052	1,087,660	4,358
	1914	45	557	321,966	350,484	994,199	643,715	5,006
Wall plaster, wall board, insulating board, and floor composition.....	1929	236	7,462	10,180,391	28,312,628	70,662,746	42,350,118	142,354
	1927	221	10,014	14,411,727	31,998,385	83,856,008	51,867,623	116,230
	1925	222	10,978	16,078,362	39,553,463	90,967,045	51,403,582	82,863
	1923	195	9,289	14,893,572	33,124,267	78,800,539	40,876,272	62,520
Industries using clay as a material, total.....								
	1929	2,370	133,668	158,475,816	122,822,679	441,269,877	318,447,298	641,300
	1927	2,598	148,850	182,466,053	156,263,845	488,558,687	332,294,842	707,248
	1925	2,688	150,953	189,011,741	155,987,194	502,770,104	346,832,910	700,775
	1923	2,734	151,176	185,282,100	155,033,889	497,812,136	342,778,247	613,862
	1921	2,624	106,627	120,199,863	108,775,214	316,056,292	207,281,078	(²)
	1919	3,457	122,330	127,703,763	109,567,621	342,828,903	233,261,882	672,145
	1914	4,065	134,429	76,153,842	62,481,676	191,418,153	128,936,477	513,164
China-firing and decorating, not done in potteries.....	1929	27	317	420,303	640,361	1,554,003	913,642	53
	1927	31	366	428,232	681,653	1,692,079	1,010,426	43
	1925	31	333	385,912	672,277	1,589,832	917,655	38
	1923	33	355	460,411	609,519	1,492,609	883,060	49
	1921	34	325	397,835	504,270	1,241,984	797,694	(²)
	1919	43	244	244,211	310,785	866,762	555,977	43
	1914	51	295	150,471	330,190	726,960	396,770	22
Clay products (other than pottery) and nonclay refractories.....	1929	1,749	93,336	106,918,327	81,698,742	294,934,513	213,235,771	533,887
	1927	1,846	100,972	121,967,507	99,869,669	319,907,843	220,083,174	529,581
	1925	1,939	102,777	127,127,485	100,013,084	353,730,417	233,717,333	517,204
	1923	1,983	102,723	123,773,001	103,317,650	353,416,391	230,068,781	480,576
	1921	1,881	88,759	73,725,985	68,275,905	194,329,421	126,053,516	(²)
	1919	2,414	76,916	78,250,085	67,488,113	208,422,920	140,934,807	405,167
	1914	3,299	100,182	54,907,418	42,723,178	135,921,445	93,108,267	442,480
Crucibles ⁴	1929	11	321	430,141	1,035,414	2,044,734	1,909,310	1,680
	1927	11	258	343,552	772,155	1,932,135	1,209,980	1,688
	1925	11	284	380,783	754,817	2,091,518	1,336,701	1,476
	1919	6	239	267,116	1,046,718	2,146,236	1,100,518	608

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 10.—SUMMARY FOR GROUP 10—STONE, CLAY, AND GLASS PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Industries using clay as a material—Continued								
Graphite, ground and refined	1929	11	494	\$627,235	\$1,457,860	\$3,759,969	\$2,302,109	3,156
	1927	13	259	840,510	1,319,161	2,931,584	1,612,423	3,011
	1925	11	228	278,224	1,325,188	2,559,457	1,241,209	2,027
	1923	8	244	304,437	1,082,018	2,184,609	1,102,601	2,700
	1921	11	152	185,468	703,441	1,450,894	753,423	(2)
	1919	24	497	434,317	1,092,084	2,239,587	1,149,903	7,445
	1914	11	250	181,125	723,190	1,724,330	1,001,140	2,602
Minerals and earths, ground or otherwise treated ⁴	1929	88	1,679	2,187,923	8,937,883	17,409,053	8,471,173	39,117
	1920	813	35,400	43,655,980	27,007,364	110,622,453	83,615,089	61,868
Pottery, including porcelain ware	1927	316	39,607	45,149,818	33,550,795	110,597,338	77,016,543	54,879
	1925	309	39,530	46,768,867	33,925,756	111,078,023	77,152,272	50,141
	1923	304	39,824	46,706,308	33,599,855	114,392,033	80,782,148	44,532
	1921	271	28,458	35,355,509	25,227,227	84,217,427	58,590,200	(3)
	1919	340	27,934	29,820,278	20,794,070	74,919,180	54,125,110	29,040
	1914	350	26,705	16,660,330	12,031,550	36,942,606	24,911,650	22,337
	1920	171	2,112	4,235,907	2,044,955	10,045,150	8,000,204	1,589
Statuary and art goods, factory product	1927	136	2,028	4,403,742	2,414,919	10,187,227	7,772,828	1,137
	1925	137	2,033	4,188,087	2,078,478	9,329,897	7,251,414	1,840
	1923	150	1,807	3,243,690	1,897,528	7,550,015	5,652,437	887
	1921	138	1,634	2,741,429	1,715,217	6,066,994	4,961,747	(2)
	1919	105	1,466	1,716,007	1,378,540	5,019,521	3,640,881	682
	1914	190	1,988	1,582,745	842,289	3,909,599	3,067,280	781
	Glass and manufactures of glass, total	1929	998	78,328	102,551,638	135,271,625	368,934,303	233,662,678
1927		919	74,598	93,928,099	134,878,646	336,146,854	201,288,208	329,244
1925		938	78,384	90,356,287	146,606,692	358,850,070	212,154,814	281,476
1923		962	81,956	100,819,195	145,070,207	397,847,941	222,777,044	250,982
1921		971	61,798	77,031,633	106,926,445	252,420,330	145,493,885	(3)
1919		1,173	86,599	96,500,696	117,636,735	311,158,176	193,521,441	216,613
1914		1,165	85,753	55,294,000	59,173,083	149,720,289	90,547,206	172,772
Glass	1929	263	67,527	87,795,111	103,208,943	303,818,560	200,524,617	341,979
	1927	269	65,825	81,352,734	109,911,464	282,394,330	172,482,866	318,268
	1925	310	69,371	86,735,571	113,652,436	295,059,424	182,306,988	271,659
	1923	333	73,335	89,897,948	113,170,262	308,358,411	196,183,149	240,528
	1921	329	54,748	68,224,248	86,036,406	213,471,309	127,434,903	(3)
	1919	371	77,520	87,526,625	90,780,124	261,884,080	171,103,966	207,338
	1914	348	74,602	48,655,819	46,016,504	123,085,019	77,068,515	162,934
Glass products (except mirrors) made from purchased glass	1929	431	6,029	7,814,551	16,318,633	33,273,003	10,054,370	5,767
	1927	400	4,465	4,214,552	8,778,568	22,327,581	13,540,013	3,316
	1925	410	4,860	6,516,711	13,330,933	27,943,048	14,612,115	3,531
	1923	434	5,157	6,042,204	11,808,836	25,026,557	13,217,721	4,732
	1921	462	4,682	5,574,491	10,807,878	22,209,476	11,401,598	(2)
	1919	616	6,480	6,154,831	14,367,878	28,443,321	14,085,443	5,042
	1914	635	8,067	4,670,370	7,142,609	16,445,839	9,803,230	5,358
Mirrors, framed and unframed	1929	304	4,782	6,941,976	15,659,049	31,842,740	16,183,691	8,414
	1927	250	4,308	6,360,813	16,188,014	31,424,943	15,230,320	7,630
	1925	218	4,153	6,104,015	19,713,293	34,948,604	15,235,211	6,306
	1923	195	3,464	4,879,043	20,091,199	33,467,973	13,376,774	5,722
	1921	180	2,368	3,232,984	10,082,161	16,739,545	6,657,384	(2)
	1919	186	2,599	2,819,140	12,498,733	20,830,775	8,332,042	4,233
	1914	182	3,184	1,967,811	6,013,970	10,189,431	4,176,461	4,480

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 Not strictly comparable with figures for other years because cost of containers (nonreturnable) sold with products was excluded for 1923 but is included for other years.⁴ Not treated as a manufacturing industry at the census for 1923.⁵ No comparable figures available for earlier years because of a change in classification.⁶ For 1925 and subsequent years this industry classification has covered the manufacture of graphite crucibles only. The figures for 1919 have been adjusted for comparison with those years. No comparable data are available for 1923, 1921, or 1914.

GROUP 11.—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY

Group 11 comprises two subgroups, namely: (1) Crude iron and steel and rolled products, and (2) other iron and steel products except those classified in Groups 13, 14, and 15. The industries in the second subgroup use as their principal materials the products of those in the first subgroup, and as a result the total cost of materials and the total value of products for the group as a whole include large amounts of duplication.

Establishments which roll iron and steel and operate departments for further processing the rolled products, such as wrought pipe, bolts and nuts, wire, and tin plate and terneplate, are assigned in their entirety to the "Steel works and rolling mills" industry, except that blast-furnace departments are classified separately. The several industries which constitute the subgroup "Other iron and steel products" embrace establishments operated entirely independently of rolling mills, although some of them are under the same ownership. Thus the statistics for certain of

these industries by no means indicate the full extent of the manufacturing operations involved in the production of the various classes of commodities covered by the industry designations.

This group differs slightly from the corresponding one as constituted at the census for 1927, the changes being as follows:

(1) The former "Pens, steel and brass" industry, in Group 11, has been transferred to Group 16, in which it forms a part of the "Pens, fountain and stylographic; pen points, gold, steel, and brass" industry.

(2) Some of the establishments formerly classified in the "Tools, not including edge tools, machine tools, files, or saws" industry, in Group 11, have been transferred to "Machine-tool accessories and small metal-working tools," a new industry in Group 13.

The table below lists all industries in Group 11 and gives summary statistics for each, with comparative figures for earlier census years.

TABLE 11.—SUMMARY FOR GROUP 11—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY: 1914 TO 1929

[The totals for 1927 and prior years have been revised for comparison with those for 1929 by deducting the figures for the former "Pens, steel and brass" industry, which now forms a part of the "Pens, fountain and stylographic; pen points, gold, steel, and brass" industry, in Group 16. Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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
Aggregate for the group-----	1929	6,640	880,882	\$1,880,986,821	\$3,862,878,486	\$7,137,928,058	\$3,276,064,572	9,200,822
	1927	6,340	834,907	1,263,812,344	3,544,615,067	6,197,694,689	2,652,979,522	8,322,730
	1925	6,063	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	2,674,920,209	7,259,009
	1921	6,251	871,426	780,875,339	2,140,171,468	3,455,541,015	1,315,309,567	(²)
	1919	7,617	857,764	1,243,726,202	3,423,280,065	5,887,843,671	2,464,593,666	6,429,697
	1914	6,326	817,776	421,746,126	1,315,690,489	2,137,113,320	821,422,840	4,687,672
	Crude iron and steel and rolled products, total---	1929	691	416,534	730,974,110	2,514,376,848	4,137,214,269	1,622,837,421
1927		602	386,270	645,633,998	2,269,210,331	3,488,744,476	1,219,534,145	6,781,058
1925		595	396,914	660,297,150	2,429,378,098	3,711,354,460	1,281,976,362	6,143,027
1923		658	424,913	696,760,621	2,872,027,903	4,161,688,011	1,280,910,108	5,099,941
1921		628	254,213	354,350,924	1,366,174,970	1,901,430,696	535,255,626	(²)
1919		695	416,748	711,406,825	2,301,862,254	3,623,368,034	1,321,506,680	5,800,574
1914		587	278,072	210,923,024	855,405,752	1,236,318,548	380,912,796	3,025,869
Iron and steel: Blast furnaces-----		1929	105	24,960	41,058,669	610,293,691	771,425,464	161,131,773
	1927	116	27,958	44,268,499	579,556,036	708,904,238	126,349,202	(³)
	1925	122	29,188	45,812,168	617,416,880	765,286,229	147,869,349	1,380,394
	1923	169	36,712	58,935,384	827,629,665	1,007,613,340	179,933,675	1,686,410
	1921	134	18,698	20,869,085	361,049,516	419,771,244	58,721,728	(²)
	1919	165	41,660	73,760,305	621,286,496	794,466,558	173,130,082	1,581,407
	1914	160	29,356	22,780,626	264,580,060	317,653,983	58,078,628	1,222,273

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 11.—SUMMARY FOR GROUP 11—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Crude iron and steel and rolled products—Con.								
Iron and steel: Steel works and rolling mills (including all departments, such as bolt and nut, wire, tinplate, etc.)								
	1929	486	394, 574	\$889, 015, 541	\$1, 004, 083, 157	\$3, 395, 788, 805	\$1, 461, 705, 648	7, 532, 530
	1927	486	361, 312	601, 275, 499	1, 039, 655, 295	2, 779, 840, 238	1, 090, 184, 943	6, 731, 058
	1925	473	370, 726	614, 984, 982	1, 811, 961, 218	2, 946, 068, 231	1, 134, 107, 013	4, 793, 533
	1923	489	388, 201	637, 825, 137	2, 044, 398, 238	3, 154, 324, 071	1, 109, 926, 483	4, 313, 522
	1921	494	235, 515	324, 987, 239	1, 005, 125, 454	1, 481, 659, 352	470, 593, 898	(2)
	1919	500	375, 088	637, 937, 430	1, 080, 675, 758	2, 828, 902, 376	1, 148, 326, 618	3, 818, 167
	1914	427	248, 716	188, 142, 898	590, 825, 692	918, 664, 665	327, 888, 873	2, 703, 596
Other iron and steel products, total								
	1929	6, 049	461, 348	650, 012, 711	1, 848, 496, 638	3, 000, 713, 789	1, 652, 217, 151	1, 668, 292
	1927	5, 738	445, 697	618, 278, 846	1, 275, 404, 736	2, 708, 850, 113	1, 453, 445, 377	1, 541, 672
	1925	5, 468	450, 898	623, 543, 646	1, 304, 706, 673	2, 747, 327, 322	1, 442, 620, 049	1, 374, 799
	1923	5, 695	467, 272	627, 412, 266	1, 280, 713, 273	2, 695, 732, 374	1, 385, 019, 101	1, 259, 068
	1921	5, 623	317, 218	376, 518, 415	773, 996, 488	1, 654, 110, 419	780, 113, 931	(2)
	1919	6, 922	441, 016	532, 319, 377	1, 121, 417, 811	2, 264, 474, 737	1, 143, 056, 926	1, 030, 123
	1914	5, 739	393, 704	210, 823, 102	460, 284, 737	600, 794, 781	440, 510, 044	661, 703
Iron and steel products exclusive of those made in steel works and rolling mills (or departments of such mills):								
Bolts, nuts, washers, and rivets ⁴								
	1929	117	16, 175	22, 115, 532	44, 211, 785	102, 392, 099	58, 180, 314	66, 343
	1927	117	13, 614	17, 324, 418	38, 301, 814	75, 876, 170	37, 574, 356	57, 408
	1925	125	13, 907	17, 642, 305	38, 506, 711	75, 925, 784	37, 410, 073	59, 707
	1923	126	15, 062	20, 207, 049	41, 873, 677	84, 431, 947	42, 557, 370	45, 036
	1921	145	10, 148	10, 269, 344	18, 647, 629	35, 778, 454	17, 225, 825	(2)
	1919	144	17, 987	20, 973, 834	44, 277, 117	80, 743, 832	45, 466, 765	49, 059
	1914	102	10, 658	5, 900, 324	12, 912, 649	23, 403, 405	10, 490, 756	28, 855
Forgings ⁴								
	1929	218	20, 882	34, 505, 349	71, 606, 964	156, 248, 947	84, 641, 983	147, 491
	1927	219	16, 594	23, 539, 551	52, 101, 995	105, 035, 719	52, 998, 724	127, 975
	1925	227	20, 483	31, 587, 900	68, 577, 495	135, 918, 624	67, 341, 129	121, 056
	1923	244	27, 723	40, 539, 328	98, 690, 528	180, 824, 712	87, 234, 154	138, 263
	1921	252	16, 947	20, 060, 159	45, 291, 495	85, 082, 938	39, 791, 443	(2)
	1919	261	29, 135	40, 602, 802	83, 561, 111	177, 119, 106	93, 557, 994	104, 870
	1914	213	11, 277	7, 849, 883	15, 800, 471	30, 747, 460	16, 446, 670	38, 527
Galvanizing and other coating ⁷								
	1929	65	1, 125	1, 568, 716	3, 939, 417	7, 666, 541	3, 727, 124	2, 266
	1927	59	953	1, 448, 940	3, 722, 411	6, 950, 856	3, 228, 444	2, 657
	1925	54	804	1, 127, 862	2, 891, 944	5, 993, 158	3, 041, 214	1, 881
	1923	51	877	1, 185, 464	3, 953, 069	6, 327, 338	2, 964, 269	1, 856
	1921	51	685	843, 620	2, 161, 406	4, 017, 820	1, 856, 414	(2)
	1919	52	1, 065	2, 247, 953	10, 532, 283	14, 476, 682	3, 943, 394	1, 871
	1914	48	1, 580	922, 264	6, 292, 804	8, 480, 109	2, 187, 305	2, 385
Iron and steel processed ⁷								
	1929	46	511	878, 459	1, 088, 672	3, 895, 480	2, 776, 808	2, 210
	1927	33	231	392, 273	609, 699	1, 443, 289	933, 599	1, 716
	1925	26	306	556, 638	642, 699	2, 113, 770	1, 471, 071	1, 870
Nails, spikes, etc. ⁴ (exclusive of those made in the "Wire drawn from purchased rods or bars" industry)								
	1929	55	2, 027	2, 553, 417	5, 955, 661	12, 854, 745	6, 899, 084	9, 096
	1927	56	2, 100	2, 670, 016	5, 156, 606	11, 768, 468	6, 596, 562	8, 073
	1925	58	2, 227	2, 800, 772	5, 645, 626	12, 318, 494	6, 672, 968	8, 102
	1923	61	2, 840	3, 285, 142	7, 005, 168	13, 299, 740	6, 294, 572	10, 275
	1921	56	2, 412	2, 575, 961	5, 070, 025	10, 976, 807	5, 306, 282	(2)
	1919	65	3, 355	3, 397, 562	8, 874, 747	17, 683, 344	8, 708, 597	8, 971
	1914	64	2, 644	1, 507, 689	3, 594, 319	7, 198, 600	3, 604, 281	8, 135
Springs, steel, except wire ⁴								
	1929	86	5, 842	9, 313, 927	25, 372, 478	49, 672, 319	21, 299, 841	24, 318
	1927	94	5, 753	8, 912, 061	24, 568, 568	43, 820, 633	19, 222, 065	22, 263
	1925	98	5, 897	8, 968, 660	23, 806, 007	44, 469, 221	20, 860, 214	22, 492
	1923	114	8, 634	12, 782, 130	31, 748, 019	59, 392, 180	27, 644, 161	25, 393
	1921	136	5, 358	6, 779, 358	16, 007, 265	31, 750, 373	15, 743, 118	(2)
	1919	112	8, 981	11, 157, 874	28, 019, 180	51, 479, 535	23, 460, 355	16, 560
	1914	84	3, 703	2, 601, 848	6, 142, 927	11, 594, 692	5, 462, 065	8, 025
Structural and ornamental iron and steel work ⁴								
	1929	1, 432	54, 947	87, 755, 606	244, 696, 264	477, 036, 827	232, 340, 573	266, 175
	1927	1, 284	52, 302	84, 578, 048	243, 446, 072	440, 376, 350	196, 930, 288	251, 870
	1925	1, 136	48, 341	77, 411, 499	237, 652, 611	420, 997, 579	183, 844, 968	211, 732
	1923	1, 058	51, 501	80, 832, 875	225, 487, 217	408, 117, 279	180, 650, 062	205, 518
	1921	1, 021	32, 897	47, 455, 062	161, 010, 606	280, 035, 446	99, 074, 540	(2)
	1919	1, 146	43, 962	59, 020, 132	168, 800, 715	284, 862, 419	126, 161, 794	165, 179
	1914	1, 235	47, 167	33, 428, 013	87, 621, 537	159, 377, 857	71, 756, 320	109, 058
Wrought pipe, welded and heavy riveted ⁴								
	1929	50	11, 417	18, 762, 303	70, 120, 941	124, 658, 066	54, 538, 025	68, 630
	1927	44	11, 083	16, 066, 001	55, 778, 864	98, 186, 341	42, 407, 477	53, 933
	1925	42	10, 871	17, 156, 545	50, 142, 447	94, 695, 553	35, 553, 106	41, 308
	1923	53	10, 833	17, 704, 699	57, 065, 845	90, 823, 139	32, 857, 344	40, 912
	1921	57	8, 728	11, 234, 413	37, 063, 041	56, 662, 278	18, 569, 237	(2)
	1919	50	10, 428	14, 910, 676	51, 155, 653	81, 869, 115	30, 713, 462	23, 925
	1914	36	8, 845	5, 750, 360	20, 295, 788	37, 655, 229	11, 359, 441	17, 532
Cast-iron pipe								
	1929	72	19, 741	22, 551, 778	84, 289, 365	80, 260, 550	45, 971, 185	69, 757
	1927	82	22, 892	25, 982, 196	48, 224, 970	95, 088, 622	46, 863, 652	63, 196
	1925	77	23, 083	27, 438, 033	48, 846, 592	100, 919, 173	52, 072, 581	54, 820
	1923	73	21, 578	25, 019, 953	48, 804, 425	92, 674, 088	43, 869, 663	47, 239
	1921	70	12, 498	13, 135, 992	23, 897, 020	44, 321, 548	20, 424, 528	(2)
	1919	59	12, 825	14, 705, 398	25, 386, 552	50, 235, 101	24, 848, 549	28, 741
	1914	59	12, 557	7, 076, 076	16, 930, 141	26, 659, 365	9, 720, 224	25, 864

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 11.—SUMMARY FOR GROUP 11—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Other iron and steel products—Continued.								
Doors, shutters, and window sash and frames, metal.	1929	148	9,557	\$17,065,422	\$30,178,161	\$72,160,388	\$41,982,227	25,027
	1927	117	8,050	15,564,468	25,602,238	65,279,973	39,677,735	20,626
	1925	92	6,791	12,899,071	21,027,746	50,078,034	28,450,288	16,699
	1923	37	2,429	4,332,767	5,004,210	15,367,111	9,762,901	3,981
	1921	45	1,782	2,880,909	4,289,274	12,466,701	8,177,427	(2)
	1919	67	2,077	2,729,774	4,577,934	10,877,001	6,299,067	4,013
1914	43	1,985	1,537,688	1,905,885	5,183,602	3,187,717	3,170	
Firearms.....	1929	21	6,838	9,209,551	4,117,099	21,970,307	17,853,208	15,427
	1927	20	6,130	7,933,639	5,047,555	19,452,372	14,404,817	15,747
	1925	20	4,470	5,583,907	3,174,446	15,179,303	12,004,917	14,580
	1923	21	6,204	7,592,696	3,643,914	17,664,549	14,020,635	15,639
	1921	20	4,726	5,730,487	2,696,085	12,833,842	10,187,767	(2)
	1919	26	11,287	13,333,496	7,613,784	30,181,370	22,597,586	20,157
1914	29	7,064	5,067,053	2,669,618	10,543,763	7,874,135	7,374	
Hardware not elsewhere classified.....	1929	485	52,306	67,702,255	76,480,210	229,477,507	152,997,297	112,705
	1927	485	47,834	60,827,474	71,877,055	208,263,578	139,376,531	99,674
	1925	476	52,340	65,661,817	77,502,839	225,062,644	147,549,805	98,275
	1923	473	52,205	63,470,745	80,697,525	215,960,129	135,362,604	84,005
	1921	456	35,228	36,240,193	41,520,050	120,590,728	79,079,678	(2)
	1919	585	46,180	49,273,749	62,815,358	168,661,444	105,346,086	74,240
1914	597	43,724	23,831,673	30,860,582	77,359,668	46,499,086	50,830	
Plumbers' supplies, not including pipe or vitreous-china sanitary ware.....	1929	255	27,960	37,066,997	40,032,599	120,073,784	80,641,185	100,821
	1927	231	29,245	40,212,198	55,633,327	145,262,311	89,628,984	90,293
	1925	239	33,280	46,953,808	63,610,253	167,875,414	104,268,161	84,534
	1923	234	27,201	38,046,537	51,469,378	132,664,774	81,105,306	59,973
Safes and vaults.....	1929	27	3,033	4,488,698	6,392,491	19,362,192	12,969,731	10,806
	1927	26	3,386	4,404,497	7,226,295	18,439,550	11,213,255	9,688
Screw-machine products and wood screws ¹¹	1929	273	19,881	28,969,604	39,462,568	105,974,662	60,512,094	64,840
	1927	218	13,690	18,055,085	25,910,223	60,020,261	34,110,038	43,468
	1925	205	14,071	18,103,669	25,076,378	59,614,894	34,538,516	42,484
	1923	190	13,234	16,943,362	21,664,854	52,945,878	31,831,024	37,504
	1921	168	8,653	9,344,553	10,038,988	25,733,731	15,744,743	(2)
	1919	154	15,151	16,969,393	20,535,431	55,475,042	34,939,011	31,281
1914	78	8,089	4,260,132	5,408,124	13,464,442	8,056,318	15,892	
Steam fittings and steam and hot-water heating apparatus.....	1929	240	39,621	58,974,874	72,708,268	228,310,254	155,601,986	187,339
	1927	232	42,893	64,851,149	76,835,207	225,158,390	148,328,123	182,723
	1925	225	43,260	63,979,276	77,359,905	228,929,955	151,576,080	190,313
	1923	230	44,141	64,808,855	83,297,279	221,954,313	138,057,034	91,085
	1921	274	30,808	39,596,053	50,213,402	127,366,887	77,153,485	(2)
	1919	361	36,686	45,742,525	72,010,393	160,285,458	88,209,095	67,404
1914	295	26,388	16,737,879	26,921,102	63,922,434	37,001,332	38,362	
Steel barrels, kegs, and drums.....	1929	53	4,110	5,769,097	21,946,559	37,825,027	15,878,468	15,289
	1927	39	2,853	3,985,629	14,735,518	9,399,151	9,399,151	11,229
	1925	38	2,021	2,914,381	12,743,280	19,928,094	7,184,814	7,739
	1923	39	2,688	3,363,374	14,818,038	23,248,707	8,430,669	7,907
	1921	31	2,013	2,322,503	9,260,744	14,525,010	5,258,266	(2)
	1919	33	3,322	4,435,444	15,151,210	24,942,650	9,791,440	10,554
Stoves and ranges (other than electric) and warm-air furnaces.....	1929	609	46,616	65,146,509	100,747,049	271,747,009	170,990,960	113,100
	1927	564	45,180	64,327,405	93,695,971	258,285,829	165,189,858	109,009
	1925	564	40,514	66,299,363	95,872,779	264,302,852	168,430,773	94,128
	1923	588	49,812	68,331,168	102,567,934	268,291,713	165,698,770	87,664
	1921	512	32,451	39,308,223	62,217,123	144,285,460	82,038,341	(2)
	1919	588	43,433	53,899,063	79,275,286	201,509,992	122,234,706	60,698
1914	551	37,325	25,865,488	33,954,970	89,390,038	55,435,068	49,055	
Tin cans and other tinware, not elsewhere classified.....	1929	232	31,497	38,173,246	194,986,803	296,001,426	101,914,623	77,332
	1927	236	29,721	35,000,822	169,421,340	253,478,691	84,057,351	64,005
	1925	221	29,001	34,391,598	176,778,593	260,359,961	84,581,363	48,728
	1923	241	30,511	32,816,010	135,980,053	215,971,258	79,991,209	41,252
	1921	244	22,711	24,595,432	108,747,954	168,894,313	59,556,859	(2)
	1919	301	34,386	34,493,399	165,170,736	233,664,000	68,793,264	30,234
1914	294	22,584	12,217,359	59,840,317	81,930,880	28,090,068	17,863	
Tools and cutlery: Cutlery (not including silver and plated cutlery) and edge tools.....	1929	289	14,991	17,651,292	14,789,335	78,660,872	63,871,537	49,886
	1927	230	15,832	18,892,154	18,180,385	76,688,444	58,508,059	43,410
	1925	211	10,407	20,225,033	20,582,009	80,263,252	59,701,243	51,673
	1923	211	10,671	19,750,933	17,159,825	72,477,013	55,317,188	43,171
	1921	210	14,345	14,749,993	14,973,967	49,341,204	34,367,237	(2)
	1919	304	19,859	20,048,465	19,477,437	66,629,570	47,152,133	38,555
	1919	304	19,859	20,048,465	19,477,437	66,629,570	47,152,133	38,555
	1914	252	16,591	9,075,896	3,185,699	25,540,987	17,355,288	34,665
Files.....	1929	33	3,974	5,239,808	3,052,675	14,114,378	11,061,708	12,091
	1927	36	3,948	5,144,987	3,135,955	12,973,734	9,837,779	10,979
	1925	38	4,209	5,393,274	3,517,726	13,540,953	10,023,227	11,534
	1923	37	4,580	5,305,294	3,840,258	13,565,444	9,726,188	11,155
	1921	30	3,595	3,174,812	2,309,087	7,647,252	5,338,165	(2)
	1919	50	5,767	6,192,444	4,227,880	17,616,563	13,388,683	11,897
	1919	50	5,767	6,192,444	4,227,880	17,616,563	13,388,683	11,897
	1914	48	4,349	2,135,436	1,595,225	5,608,157	4,012,932	8,771

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 11.—SUMMARY FOR GROUP 11—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	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
Other iron and steel products—Continued.								
Tools and cutlery—Continued.								
Saws.....	1929	81	4, 137	\$5, 727, 416	\$6, 884, 331	\$22, 614, 958	\$15, 730, 627	11, 894
	1927	77	4, 182	5, 753, 856	7, 674, 394	22, 627, 990	14, 963, 596	14, 526
	1925	71	4, 710	5, 873, 393	8, 224, 443	24, 709, 211	16, 484, 768	14, 287
	1923	80	5, 420	6, 730, 442	9, 739, 996	30, 786, 858	21, 046, 862	13, 298
	1921	79	3, 788	4, 086, 840	6, 479, 913	18, 185, 297	11, 705, 384	(?)
	1919	112	5, 510	6, 280, 807	11, 792, 224	31, 460, 567	19, 668, 333	15, 046
	1914	100	4, 580	3, 019, 497	4, 714, 186	12, 517, 165	7, 802, 979	11, 744
Tools, not including edge tools, machine tools, files, or saws.....	1929	534	10, 305	25, 808, 289	32, 110, 507	99, 462, 032	67, 351, 525	65, 965
	¹² 1927	405	16, 447	20, 941, 443	28, 067, 884	76, 607, 237	48, 549, 353	57, 024
	1927	657	25, 232	34, 464, 964	37, 056, 684	117, 430, 624	80, 373, 940	85, 963
	1925	663	25, 340	34, 294, 113	39, 023, 373	121, 263, 093	82, 239, 720	78, 686
	1923	700	29, 100	37, 163, 834	43, 205, 844	123, 158, 303	79, 952, 469	75, 248
	1921	714	19, 453	22, 643, 499	25, 550, 113	70, 523, 416	44, 973, 303	(?)
	1919	1, 125	35, 585	43, 836, 069	45, 796, 967	144, 201, 668	98, 404, 701	67, 730
	1914	661	16, 866	10, 216, 885	12, 235, 269	33, 892, 511	21, 667, 242	37, 248
Vault, sidewalk, and floor lights, coal-hole covers, and ventilating equipment ¹³	1923	24	296	446, 178	1, 213, 248	2, 990, 885	1, 777, 637	254
	1921	25	245	365, 943	1, 170, 094	2, 150, 382	980, 288	(?)
	1919	41	318	424, 197	810, 579	2, 155, 864	1, 345, 285	289
	1914	45	601	456, 977	958, 754	2, 051, 051	1, 092, 297	486
Wire, drawn from purchased bars or rods (covers fabricated wire products made in the same establishments).....	1929	81	22, 467	35, 110, 335	126, 182, 429	213, 997, 410	87, 814, 981	150, 620
	1927	73	19, 366	30, 038, 299	128, 092, 414	190, 709, 790	62, 617, 376	152, 574
	1925	68	18, 544	26, 927, 604	127, 250, 514	184, 462, 536	57, 212, 022	138, 115
	1923	64	21, 310	29, 861, 860	138, 883, 057	196, 364, 212	62, 481, 155	123, 923
	1921	61	14, 332	17, 809, 545	62, 705, 464	99, 945, 614	37, 240, 150	(?)
	1919	66	19, 741	29, 289, 687	102, 813, 591	162, 151, 236	59, 337, 645	119, 301
	1914	54	17, 600	11, 020, 729	56, 424, 494	81, 841, 012	25, 416, 518	83, 900
Wirework, not elsewhere classified.....	1929	547	22, 388	27, 912, 231	68, 144, 047	146, 805, 049	78, 061, 002	48, 864
	1927	512	21, 697	26, 439, 144	63, 093, 221	128, 535, 783	65, 442, 562	46, 358
	1925	462	19, 268	23, 834, 312	59, 604, 126	115, 428, 872	55, 824, 740	35, 943
	1923	443	16, 783	19, 340, 549	52, 279, 608	100, 245, 108	47, 988, 500	31, 617
	1921	413	11, 485	13, 314, 017	37, 039, 301	66, 384, 507	29, 345, 208	(?)
	1919	558	15, 224	15, 505, 992	50, 754, 070	90, 549, 245	39, 795, 175	29, 036
	1914	552	12, 126	8, 719, 222	24, 113, 708	41, 789, 394	17, 675, 686	21, 405

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 Horsepower data for blast furnaces included with those for steel works and rolling mills.

⁴ Similar products are manufactured to a large extent by steel works and rolling mills. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.

⁵ Revised; revision not carried into total for subgroup or aggregate for group.

⁶ Includes figures for "Horseshoes, not made in rolling mills," a separate industry classification prior to 1929.

⁷ Largely custom work.

⁸ No comparable data available for earlier years.

⁹ Does not include cost of foundry supplies, which was not called for on the schedule for 1929 but was included for 1927 and earlier years.

¹⁰ Revised; revision carried to total for subgroup but not to aggregate for group.

¹¹ Includes figures for "Screws, wood," a separate industry classification prior to 1929.

¹² Adjusted for comparison with 1929.

¹³ Abandoned as a separate classification after 1923. Manufacturers of these products are now classified in other industries.

GROUP 12.—NONFERROUS METALS AND THEIR PRODUCTS

This group comprises industries engaged in the production of nonferrous metals from the ores or from scrap metals; in the refining or alloying of such metals; and in the manufacture, from these metals or alloys as basic materials, of finished products or products for use in further manufacturing processes.

The principal metals or ores which form the basic materials used in these industries are copper, lead, zinc, tin, gold, silver, and aluminum. It should be noted, however, that these same basic metals are used to a large extent in certain industries assigned to other groups; for example, "Electrical machinery, apparatus, and supplies" and other industries of the "Machinery, not including transportation equipment" group. A number of industries in Groups 11 and 16 also manufacture various commodities made wholly or in part from metals other than iron and steel.

Since the metals and alloys produced by the basic industries of Group 12 are used as materials by other industries in the group, there are considerable amounts of duplication in the total cost of materials and the total value of products for the group as a whole. (See GENERAL EXPLANATIONS—Duplication in Cost of Materials and Value of Products," p. 6.)

The basic industries which extract the metals from the ore or refine or alloy them usually add relatively little to the value of the raw materials which they use, while the more highly elaborated manufacturing processes employed by the industries which use these metals and alloys as materials add very considerably to their value.

This group, as constituted at former censuses, included the "Pens, gold" industry, which now forms a part of the "Pens, fountain and stylographic; pen points, gold, steel, and brass" industry, in Group 16.

The former industry "Enameling and japanning," in Group 16, has been consolidated with "Stamped and enameled ware," in this group, under the new title "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering."

The totals for the group, for 1927 and prior years, have been adjusted in accordance with the changes described in the preceding paragraphs, in order to make them fairly comparable with those for 1929.

Summary statistics for the group as a whole, by subgroups and industries, are presented in the table following.

TABLE 12.—SUMMARY FOR GROUP 12—NONFERROUS METALS AND THEIR PRODUCTS: 1914 TO 1929

[The totals for 1927 and prior years have been revised for comparison with those for 1929 by adding the figures for "Enameling and japanning," formerly classified separately in Group 16, but now included in the "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering" industry, in Group 12, and by deducting the figures for the former "Pens, gold" industry which now forms a part of the "Pens, fountain and stylographic; pen points, gold, steel, and brass" industry, in Group 16. Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	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	Horse-power
Aggregate for the group.....	1929	7,522	314,741	\$442,406,623	\$2,465,444,198	\$3,597,057,717	\$1,131,613,519	1,570,217
	1927	8,761	272,687	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	1,048,488,054	2,839,550,465	891,112,411	1,162,140
	1923	7,501	297,798	395,078,970	1,797,687,612	2,637,159,840	869,522,225	1,171,192
	1921	7,853	212,680	256,892,785	886,294,843	1,405,059,444	521,794,601	(?)
	1910	10,441	304,788	369,171,419	1,737,233,945	2,519,031,512	781,797,597	953,109
1914	9,868	239,542	154,579,750	964,555,945	1,325,834,086	365,278,141	550,903	
Smelting and refining, total.....	1929	250	36,046	56,447,470	1,344,040,270	1,519,641,786	175,601,466	618,485
	1927	228	34,087	60,514,720	935,014,146	1,086,152,637	151,138,391	481,441
	1925	238	37,194	54,798,129	1,070,193,367	1,244,508,896	174,312,539	479,412
	1923	205	37,634	55,095,282	924,227,805	1,060,440,314	136,212,509	460,321
	1921	222	20,990	27,807,490	419,419,120	491,156,185	71,737,065	(?)
	1910	279	42,431	50,586,160	939,168,772	1,077,822,855	138,654,083	467,644
1914	260	37,774	31,258,335	629,704,222	737,625,615	107,924,393	273,551	
Primary, total.....	1929	75	30,981	49,239,319	1,199,025,259	1,345,799,941	146,774,632	590,081
	1927	69	30,510	44,799,809	807,242,176	942,734,864	135,492,688	466,164
	1925	71	32,992	47,947,907	912,063,567	1,007,124,899	155,061,332	455,496
	1923	88	35,146	51,510,128	830,089,099	952,734,111	122,644,412	446,047
	1921	85	19,014	25,148,682	368,331,888	430,081,904	61,700,016	(?)
	1910	111	39,620	55,649,412	848,755,914	972,095,552	123,337,638	456,582
1914	88	34,733	28,983,145	572,744,382	669,138,943	96,394,561	261,419	
Copper.....	1929	26	14,544	23,951,955	920,351,441	994,788,862	74,432,421	412,244
	1927	26	13,924	20,581,865	527,763,711	606,299,017	51,535,305	323,799
	1925	26	15,588	22,641,626	573,190,428	665,176,767	91,986,339	321,909
	1923	29	16,777	25,459,160	554,099,924	625,432,965	71,333,041	332,948
	1921	28	8,293	11,199,279	205,903,896	234,895,245	28,991,349	(?)
	1910	34	17,345	25,723,371	584,410,173	651,101,591	66,691,418	321,610
1914	37	17,781	16,149,251	379,157,030	444,021,958	64,864,928	194,980	

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 12.—SUMMARY FOR GROUP 12—NONFERROUS METALS AND THEIR PRODUCTS: 1914 TO 1929—Contd.

[See note at head of this table]

INDUSTRY	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	Horse-power
Smelting and refining—Continued.								
Primary—Continued.								
Lead.....	1929	19	4,819	\$7,577,094	\$208,913,730	\$232,115,009	\$28,201,279	59,936
	1927	18	5,393	7,689,680	202,859,134	225,137,872	22,278,738	48,298
	1925	17	6,116	9,001,580	254,881,029	283,042,642	28,161,513	47,219
	1923	20	6,194	8,767,924	207,814,578	227,736,149	20,420,571	42,377
	1921	23	4,609	5,957,961	134,061,121	150,693,779	16,532,658	(²)
	1919	25	6,433	9,179,615	179,373,646	196,794,519	17,420,873	40,608
	1914	22	7,385	6,134,274	154,014,765	171,578,687	17,563,822	29,734
Zinc.....	1929	30	11,613	17,710,270	74,780,088	118,901,070	44,140,982	123,901
	1927	25	11,188	16,523,264	76,619,331	108,297,975	31,678,044	93,087
	1925	28	11,289	16,304,701	83,992,110	118,906,590	34,913,480	86,368
	1923	35	11,913	16,895,894	64,134,114	94,183,900	30,049,786	69,583
	1921	29	5,773	7,243,760	24,312,208	37,482,675	13,170,407	(³)
	1919	39	13,796	17,783,273	70,014,728	104,122,938	34,108,210	73,604
	1914	20	9,617	6,099,620	39,572,587	53,638,398	13,935,811	36,705
Metals not elsewhere classified.....	1923	4	267	387,180	4,541,083	5,382,097	841,014	1,144
	1921	5	434	747,682	4,054,663	7,060,205	3,005,542	(²)
	1919	13	2,041	2,963,148	14,957,807	20,074,604	5,117,137	11,700
Secondary, total.....	1929	175	5,065	7,208,160	145,015,011	173,841,795	28,826,784	22,404
	1927	159	3,577	5,714,911	127,771,870	143,417,873	15,645,703	16,277
	1925	187	4,202	6,845,222	153,129,790	177,809,697	19,251,207	23,916
	1923	117	2,488	3,585,154	94,138,106	107,706,203	13,568,097	14,274
	1921	137	1,985	2,658,808	51,087,232	61,124,281	10,037,040	(³)
	1919	163	2,311	3,936,743	90,412,368	105,729,303	15,316,445	11,062
	1914	162	3,041	2,275,190	56,959,840	68,489,672	11,520,832	12,132
Gold, silver, and platinum, reducing and refining, not from the ore.....	1929	69	931	1,633,838	61,570,093	67,959,140	6,389,047	4,230
	1927	57	801	1,434,620	58,377,476	62,647,127	3,769,651	4,288
	1925	65	1,258	2,165,685	88,867,196	95,243,474	6,376,278	9,676
	1923	70	901	1,961,237	65,088,918	71,920,702	6,831,784	4,620
	1921	77	785	1,130,672	41,055,751	45,974,226	4,918,475	(³)
	1919	87	844	843,008	49,736,978	55,483,215	5,746,237	3,141
	1914	78	456	390,865	25,709,133	28,587,558	2,878,425	2,061
Metals other than gold, silver, or platinum, not from the ore.....	1929	108	4,134	5,574,322	83,444,918	105,882,055	22,437,787	18,174
	1927	102	2,776	4,280,291	68,894,494	80,770,546	11,876,052	11,989
	1925	102	2,944	4,679,537	69,262,594	82,137,523	12,874,929	14,240
	1923	41	1,687	2,223,917	29,049,188	35,785,501	6,736,313	9,654
	1921	61	1,200	1,528,236	10,031,481	15,150,055	5,118,574	(³)
	1919	80	2,167	3,093,140	40,675,880	50,246,088	9,570,208	7,921
	1914	84	2,585	1,884,325	31,250,707	39,902,114	8,651,407	10,071
Metals and manufactures of metals, total.....	1929	7,272	278,895	387,019,144	1,121,403,928	2,077,415,981	956,012,053	951,732
	1927	6,533	235,650	332,609,876	845,199,323	1,590,954,709	742,755,386	744,970
	1925	6,738	239,422	327,859,227	873,244,697	1,595,044,569	716,799,872	678,123
	1923	7,296	260,464	339,985,688	843,409,807	1,576,719,526	733,309,719	710,871
	1921	7,631	191,681	229,085,295	465,845,723	616,903,259	450,057,536	(³)
	1919	10,162	292,337	289,585,289	793,065,173	1,441,208,657	643,143,484	485,465
	1914	9,558	201,758	123,321,415	334,851,723	592,205,471	257,353,748	277,352
Aluminum manufactures.....	1929	150	21,210	29,692,727	94,036,463	153,457,248	59,420,785	107,846
	1927	139	14,798	20,891,843	70,838,509	123,557,112	43,718,603	71,907
	1925	127	14,353	19,753,849	84,984,923	127,530,756	42,845,833	62,366
	1923	119	16,288	19,845,546	66,659,519	106,930,367	40,270,848	58,272
	1921	87	9,584	10,835,597	25,952,529	45,822,161	19,869,632	(³)
	1919	83	11,402	13,327,306	46,271,861	75,277,943	26,006,037	30,280
	1914	37	4,614	2,611,261	14,421,319	19,597,465	5,176,146	12,297
Clocks, clock movements, time-recording devices, and time stamps.....	1929	50	10,401	12,481,894	10,675,113	42,165,875	81,490,762	12,451
	1927	42	9,865	11,750,020	10,062,765	33,195,803	28,133,038	9,510
	1925	55	7,945	9,237,716	8,920,104	29,379,164	20,459,060	8,614
	1923	38	9,359	9,878,949	8,172,538	28,553,582	20,381,044	8,285
	1921	37	6,535	6,558,047	6,590,966	17,750,060	11,169,094	(³)
	1919	46	8,252	7,861,611	7,177,813	23,380,190	16,202,377	6,952
	1914	48	6,754	3,053,146	4,007,764	11,031,720	7,023,956	5,983
Collapsible tubes.....	1929	17	1,821	1,782,024	5,385,906	8,912,977	3,527,071	2,272
	1927	17	1,984	1,918,055	7,103,927	11,350,710	4,246,783	2,849
	1925	16	1,948	1,870,526	5,693,610	9,449,029	3,755,419	2,671
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.....	1929	2,161	28,593	43,254,611	112,643,112	222,484,625	109,836,513	53,749
	1927	1,981	24,527	38,667,690	98,335,897	191,123,636	92,742,739	36,880
	1925	2,107	24,996	37,824,985	84,079,626	175,042,925	90,033,299	35,273
	1923	2,524	28,852	42,445,932	93,507,014	188,908,028	95,401,014	34,243
	1921	3,105	25,172	36,561,785	75,396,102	148,776,164	72,880,062	(³)
	1919	4,796	27,640	33,866,823	80,898,528	160,313,945	79,415,417	24,130
	1914	4,527	28,714	20,517,568	50,174,216	94,890,699	44,716,383	21,275
Electroplating.....	1929	534	5,928	0,536,800	4,793,667	23,727,916	18,929,249	24,015
	1927	419	3,556	5,020,104	3,335,140	13,930,321	10,595,181	14,090
	1925	449	3,337	5,253,845	2,541,165	12,440,510	9,890,345	10,743
	1923	446	3,374	5,195,183	2,612,673	12,297,333	9,684,660	9,505
	1921	392	2,460	3,562,080	1,959,039	8,040,954	6,081,315	(³)
	1919	515	3,024	3,793,605	2,639,248	10,389,617	7,750,899	6,788
	1914	479	2,584	1,712,922	1,335,662	4,773,309	3,437,647	5,308
Fire extinguishers, chemical.....	1929	28	740	958,570	4,187,524	8,566,089	4,378,565	1,464
	1927	28	832	1,191,708	4,009,775	8,035,156	4,025,381	1,564
	1925	26	842	1,131,127	4,122,137	8,037,174	3,915,037	1,440
	1923	26	782	847,420	3,366,159	6,152,082	2,785,923	1,235
	1921	31	580	625,958	2,081,052	4,254,261	2,173,209	(³)
	1919	32	777	751,119	2,693,416	5,563,180	2,869,764	855
	1914	27	256	200,096	573,976	1,297,723	723,748	269

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 12.—SUMMARY FOR GROUP 12—NONFERROUS METALS AND THEIR PRODUCTS: 1914 TO 1929—Contd.

[See note at head of this table]

INDUSTRY	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	Horse-power
Metals and manufactures of metals—Continued.								
Gas and electric fixtures; lamps, lanterns, and reflectors.....	1929	614	23,589	\$83,288,595	\$57,918,407	\$144,965,706	\$87,047,299	40,209
	1927	481	21,030	29,280,824	55,608,545	127,802,407	72,193,862	31,291
	1925	517	22,334	31,072,058	57,770,818	129,698,389	71,927,571	30,038
	1923	595	22,919	29,097,143	52,639,539	118,978,627	66,330,088	30,534
	1921	405	15,866	18,523,190	32,801,606	72,054,398	39,252,702	(²)
	1919	512	18,155	19,094,877	33,687,571	80,366,870	41,679,299	22,273
	1914	611	18,047	10,677,084	22,101,898	45,378,224	23,276,326	18,218
Gold leaf and foil.....	1929	75	1,177	1,184,044	1,982,667	3,978,024	2,045,357	388
	1927	77	1,146	1,120,434	1,721,174	3,571,190	1,850,016	346
	1925	84	1,148	1,112,085	1,835,611	3,745,807	1,907,198	326
	1923	64	918	938,581	1,800,806	3,561,856	1,665,050	281
	1921	72	1,104	1,042,028	4,994,718	7,014,496	2,019,778	(²)
	1919	87	950	983,600	2,655,335	4,461,568	1,806,233	408
	1914	79	1,135	498,273	1,452,429	2,432,146	979,716	360
Jewelry.....	1929	1,586	27,922	38,979,810	79,804,617	177,886,932	97,582,316	27,402
	1927	1,397	24,116	36,765,895	76,915,375	164,895,057	87,949,682	17,070
	1925	1,468	23,937	35,177,020	70,885,823	160,510,870	86,930,547	17,296
	1923	1,622	26,354	36,423,704	83,985,485	174,033,912	90,050,427	16,851
	1921	1,671	28,482	29,988,318	58,059,348	127,230,777	69,171,429	(²)
	1919	2,054	30,871	35,893,718	110,450,683	203,939,230	93,488,547	15,096
	1914	1,914	28,289	18,301,566	39,110,136	81,000,289	41,890,153	13,862
Needles, pins, hooks and eyes, and snap fasteners.....	1929	43	6,242	6,585,732	6,187,822	22,030,950	15,843,128	6,694
	1927	45	5,606	6,095,477	5,922,844	20,325,250	14,402,406	7,250
	1925	48	5,850	6,855,679	5,925,652	18,173,674	12,247,922	7,603
	1923	49	6,834	6,703,079	7,765,975	22,147,468	14,351,493	10,867
	1921	68	6,542	5,542,404	6,162,949	18,566,168	12,733,219	(²)
	1919	92	9,294	8,809,781	10,227,199	29,304,995	19,077,795	8,423
	1914	49	5,339	2,506,611	3,241,657	7,890,879	4,649,222	4,783
Nonferrous-metal alloys and products, not including aluminum products ³	1929	1,225	79,183	116,943,996	600,410,913	909,804,050	309,303,137	506,273
	1927	1,197	65,923	95,351,041	378,190,134	581,668,767	203,378,638	411,625
	1925	1,140	65,135	93,820,242	401,316,012	593,555,540	192,239,528	369,239
	1923	1,156	67,280	92,248,086	381,935,300	573,043,584	191,108,218	314,757
	1921	1,047	42,287	49,448,884	161,273,348	252,277,546	91,004,198	(²)
	1919	1,252	78,512	98,286,297	367,752,118	559,455,010	191,702,892	277,713
	1914	1,140	42,371	26,430,242	137,625,252	189,779,577	62,154,325	128,251
Plated ware.....	1929	96	10,728	14,941,552	16,750,985	55,429,959	38,678,974	28,899
	1927	94	11,752	16,141,501	20,212,341	56,719,982	36,507,641	27,712
	1925	90	11,290	15,236,348	20,070,741	54,330,033	34,250,292	23,914
	1923	83	12,118	15,040,896	19,813,842	53,898,534	34,084,692	22,390
	1921	60	9,535	10,664,149	12,408,683	33,944,136	21,535,453	(²)
	1919	68	9,492	10,913,091	17,766,536	41,634,585	23,808,049	14,212
	1914	72	8,717	5,000,381	8,304,039	18,484,235	10,180,196	10,494
Silversmithing and silverware.....	1929	83	5,007	7,636,413	10,134,708	30,452,366	20,317,658	7,325
	1927	84	4,967	7,803,183	11,185,088	30,704,218	19,539,160	7,499
	1925	93	5,587	8,607,244	13,106,356	32,531,670	19,425,314	7,770
	1923	98	4,972	7,330,041	10,869,156	27,206,693	16,347,537	7,284
	1921	103	5,287	7,150,690	8,994,865	24,410,809	15,445,944	(²)
	1919	99	6,453	7,359,409	13,060,929	29,126,133	16,065,204	6,843
	1914	108	7,070	4,795,347	8,275,506	19,786,317	11,510,811	7,899
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering ⁴	1929	582	40,000	50,091,700	87,639,495	204,306,134	116,666,639	98,184
	1927	476	30,853	38,172,046	68,880,269	160,936,053	82,055,734	73,619
	1925	465	31,254	38,276,937	79,736,661	160,991,786	81,255,125	68,121
	1923	412	36,552	44,348,384	86,340,191	176,371,354	90,031,103	71,053
	1921	388	24,807	27,879,975	49,292,541	102,105,530	53,812,989	(²)
	1919	433	35,237	35,902,259	66,625,109	147,069,783	80,441,674	52,787
	1914	382	30,273	16,041,418	33,536,328	67,668,207	34,131,879	36,276
Tin and other foils, not including gold foil ⁴	1929	7	1,710	1,856,371	13,548,399	20,954,849	7,406,450	18,642
	1927	10	1,658	2,083,578	15,350,016	20,951,679	5,601,663	18,770
	1925	10	1,670	2,124,422	15,648,376	20,611,277	4,962,901	10,041
Watch and clock materials and parts, except watchcases.....	1929	17	311	287,079	256,984	930,837	673,853	197
	1927	17	415	407,345	315,480	1,300,303	993,817	210
	1925	25	501	479,762	376,160	1,363,244	987,084	219
	1923	25	396	380,025	378,565	1,288,866	910,301	170
	1921	23	390	374,702	356,581	1,086,444	726,863	(²)
	1919	27	582	412,820	549,521	1,341,697	792,176	252
	1914	25	670	379,614	342,621	1,014,549	671,928	621
Watchcases.....	1929	40	3,404	4,626,111	4,631,225	13,491,045	8,869,320	5,581
	1927	40	3,360	4,326,393	5,310,674	13,724,703	8,414,029	4,121
	1925	45	3,480	4,462,587	6,049,905	14,793,211	8,743,306	4,106
	1923	57	4,325	5,414,232	7,498,768	17,817,046	10,318,278	5,710
	1921	37	3,698	4,217,210	5,625,140	13,805,957	8,180,811	(²)
	1919	33	3,900	4,000,727	8,205,754	19,618,773	11,413,019	4,275
	1914	31	3,514	1,938,358	4,001,595	7,830,987	3,829,392	2,369
Watches and watch movements.....	1929	8	10,788	12,981,115	10,455,921	34,370,399	23,914,478	10,146
	1927	11	12,192	15,090,229	5,871,384	32,278,362	26,406,978	9,357
	1925	13	13,915	16,556,685	6,178,017	36,254,110	30,076,093	12,348
	1923	17	11,571	13,869,688	8,885,769	30,630,265	21,794,496	7,396
	1921	17	12,174	13,602,029	5,160,342	24,396,516	19,235,674	(²)
	1919	18	15,888	16,598,896	6,392,562	32,044,299	25,651,737	7,292
	1914	15	12,390	7,524,146	2,669,511	14,275,279	11,605,768	6,624

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 Revised; revision not carried to aggregate for the group.

⁴ The manufacture of collapsible tubes and the manufacture of tin and other foils, not including gold foil, were formerly covered by the single industry classification "Tin and other foils, not including gold and silver; collapsible tubes." The figures for 1927 and 1925 have been adjusted for comparison with those for 1929, but no adjustments can be made for earlier years.

⁵ Formerly 3 separate industry classifications; namely, "Babbitt metal, white metal, type metal, and solder," "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified," and "Lead: Bar, pipe, and sheet."

⁶ See headnote.

GROUP 13.—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT

This group comprises those industries whose primary products are machinery (not including transportation equipment) and special castings or parts for use in the manufacture of machinery.

Group 13 differs from the corresponding one as constituted at the census for 1927, the changes being as follows:

(1) Establishments whose principal products were sewing-machine cases, cabinets, and tables, formerly classified in the "Sewing machines, cases, and attachments" industry, in this group, have been transferred to the "Furniture, including store and office fixtures" industry, in Group 3, and the title of the first-named industry has been changed to "Sewing machines and attachments."

(2) Establishments engaged primarily in the manufacture of carbon paper and inked ribbons, formerly classified in the "Typewriters and supplies" industry,

in this group, have been classified separately under the industry title "Carbon paper and inked ribbons" and transferred to Group 16; and the title of the former "Typewriters and supplies" industry has been changed to "Typewriters and parts."

(3) Establishments whose principal products are machine-tool accessories and small metal-working tools, some of which were formerly assigned to the "Foundry and machine-shop products, not elsewhere classified" industry, in this group, others to the "Machine tools" industry, also in this group, and still others to the "Tools, not including edge tools, machine tools, files, or saws" industry, in Group 11, are now classified in "Machine-tool accessories and small metal-working tools," a new industry in Group 13.

Summary statistics for the group as a whole and for each industry separately are presented in the table below.

TABLE 13.—SUMMARY FOR GROUP 13—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT:
1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horsepower
Total for the group.....	1929	12,955	1,091,269	\$1,684,165,729	\$2,694,379,629	\$7,043,380,399	\$4,549,000,761	3,647,343
	1927	11,932	883,508	1,284,132,534	2,053,941,824	5,345,723,728	3,294,761,804	2,995,290
	1925	11,807	858,843	1,225,559,140	1,985,367,007	5,020,281,100	3,034,914,083	2,714,377
	1923	12,147	907,707	1,259,749,642	1,801,624,106	4,727,818,200	2,836,294,124	2,300,443
	1921	12,395	962,277	1,322,782,828	1,861,163,280	3,235,074,906	1,873,911,626	(3)
	1919	14,821	998,454	1,240,486,944	1,973,457,822	4,768,073,395	2,795,215,873	2,060,325
1914	13,457	818,737	412,406,274	662,966,870	1,682,408,404	919,441,834	1,250,908	
Agricultural implements.....	1929	203	41,663	58,941,939	113,969,484	277,854,462	163,884,978	128,499
	1927	277	33,346	49,415,459	85,666,186	202,732,126	117,066,840	117,966
	1925	303	28,698	37,387,620	73,850,060	169,467,066	95,617,966	115,325
	1923	312	30,062	40,610,634	68,491,886	151,283,248	87,794,362	121,975
	1921	353	30,359	39,835,414	87,267,274	183,816,679	76,549,405	(3)
	1919	521	54,368	66,704,434	144,571,943	304,961,265	160,389,322	128,249
1914	601	48,459	34,593,325	73,508,645	164,039,835	90,578,190	121,256	
Cash registers and adding, calculating, and card-tabulating machines.....	1929	46	10,840	29,745,365	10,766,013	110,000,986	99,234,973	28,257
	1927	41	14,372	21,756,094	11,132,191	106,844,969	95,712,778	21,954
	1925	41	13,296	21,142,430	11,165,658	98,383,910	87,218,252	17,616
	1923	37	14,971	22,775,197	12,483,128	95,105,670	82,622,442	(5)
	1921	49	9,786	13,243,471	9,672,828	53,652,943	44,080,115	(5)
	1919	65	16,544	22,537,265	10,889,998	83,639,025	72,649,027	14,645
1914	52	8,956	6,110,271	3,992,076	30,510,587	26,527,511	10,619	
Electrical machinery, apparatus, and supplies ⁴	1929	1,802	328,722	456,377,629	971,017,623	2,300,915,572	1,329,897,949	893,519
	1927	1,777	241,566	336,238,750	645,761,699	1,637,307,035	991,545,336	661,168
	1925	1,739	239,921	323,834,541	636,692,076	1,540,002,041	903,309,995	589,398
	1923	1,671	234,892	305,455,263	548,626,673	1,293,001,771	744,375,098	490,268
	1921	1,333	161,204	194,242,357	344,069,903	833,985,443	439,915,480	(3)
	1919	1,404	212,374	238,188,852	425,088,211	997,968,119	572,869,908	438,082
1914	1,030	118,078	73,806,329	154,728,076	355,170,194	180,442,118	226,320	
Engines, turbines, tractors, and water wheels.....	1929	199	61,148	98,705,080	202,900,430	457,217,669	254,317,239	287,079
	1927	215	54,341	84,790,771	165,202,801	367,878,688	202,675,787	241,788
	1925	220	51,099	73,584,921	145,783,687	313,587,851	167,804,164	224,194
	1923	249	48,495	70,877,950	124,543,051	266,987,778	142,454,727	165,137
	1921	296	35,567	52,004,861	111,698,365	199,498,575	87,800,210	(3)
	1919	370	77,617	105,436,455	217,550,771	464,774,785	247,223,964	190,005
1914	446	29,057	21,420,737	31,460,227	72,121,112	40,660,885	62,106	

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 13.—SUMMARY FOR GROUP 13—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT: 1914 TO 1929—Continued

(See note at head of this table)

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horsepower
Foundry and machine-shop products, not elsewhere classified ⁷	1920	8,605	454,441	\$697,508,589	\$1,038,060,092	\$2,791,401,964	\$1,753,395,872	1,804,886
	⁸ 1927	<i>8,095</i>	<i>398,672</i>	<i>590,924,020</i>	<i>878,771,144</i>	<i>2,285,658,217</i>	<i>1,389,882,073</i>	<i>1,560,240</i>
	1927	8,380	403,939	601,022,908	883,651,734	2,291,543,110	1,407,891,376	1,561,934
	1925	8,203	403,832	600,021,745	894,406,446	2,264,375,979	1,369,969,533	1,446,458
	1923	8,531	448,777	642,431,394	936,231,003	2,337,072,775	1,400,841,772	1,234,328
	1921	9,013	321,363	412,369,408	653,363,807	1,565,526,944	912,163,137	(⁹)
	1919	10,934	482,767	622,571,129	948,069,381	2,289,250,859	1,341,181,478	1,040,265
	1914	10,640	362,471	244,146,380	358,121,781	866,544,677	508,422,890	768,821
Gas machines, gas meters, and water and other liquid meters	1929	72	0,101	8,931,625	15,187,488	40,623,344	25,435,856	11,029
	1927	58	5,915	8,792,364	15,590,977	36,716,190	21,124,213	10,427
	1925	61	5,514	7,428,842	13,038,272	34,292,059	21,253,787	7,375
	1923	61	0,127	7,756,779	14,331,863	34,250,414	10,918,551	7,364
	1921	65	4,280	5,211,931	9,000,272	21,956,424	12,956,152	(⁹)
	1919	105	5,589	5,995,877	10,647,402	26,267,074	15,019,672	8,586
	1914	123	4,972	3,309,681	6,118,471	15,183,916	9,065,445	5,681
	Machine-tool accessories and small metal-working tools, not elsewhere classified ⁹	1929	722	26,682	51,084,540	26,902,631	144,410,890	117,418,259
Machine tools	1929	280	47,391	76,410,237	64,284,022	244,578,088	180,294,060	141,778
	⁸ 1927	<i>288</i>	<i>35,583</i>	<i>47,408,335</i>	<i>43,151,433</i>	<i>145,854,921</i>	<i>102,705,499</i>	<i>125,423</i>
	1927	355	35,269	52,365,692	40,114,849	159,513,125	113,398,276	131,670
	1925	329	30,331	46,711,302	43,820,151	144,202,483	100,376,332	118,819
	1923	350	33,373	47,336,800	40,977,024	137,206,098	96,229,074	100,196
	1921	343	21,307	25,251,785	23,978,248	67,729,362	43,751,114	(⁹)
	1919	403	53,111	66,178,969	59,034,308	212,400,158	153,865,850	100,204
	1914							
Pumps (hand and power) and pumping equipment	1929	322	23,106	34,920,261	66,802,372	164,009,397	97,207,025	32,408
	1927	278	18,671	27,118,924	52,765,023	130,591,191	77,826,168	64,763
	1925	253	17,935	25,278,060	50,328,435	120,148,157	69,819,722	56,470
	1923	229	14,560	19,990,603	34,464,720	92,930,056	58,465,330	38,286
	1921	221	12,186	13,969,531	26,803,969	69,902,413	43,158,444	(¹)
	1919	239	16,072	19,731,647	36,069,781	85,401,940	49,332,150	32,441
	1914	183	8,322	5,555,203	9,458,744	24,214,722	14,755,978	17,141
	1914							
Refrigerators, mechanical ⁶	1929	34	16,883	26,196,076	72,413,047	161,565,876	89,152,629	44,953
	1927	22	11,285	17,712,006	42,651,262	96,513,649	53,862,387	32,551
Scales and balances	1929	59	4,118	5,995,475	7,433,190	30,381,424	22,943,234	9,738
	1927	60	3,906	5,460,742	7,453,927	24,655,442	17,201,515	8,706
	1925	71	4,292	5,782,660	7,348,704	27,237,181	19,888,477	9,771
	1923	65	4,245	5,500,035	6,594,483	24,156,982	17,592,409	9,615
	1921	65	3,720	4,427,986	4,716,313	15,884,770	11,193,457	(¹)
	1919	79	5,432	6,533,078	6,993,682	20,641,038	13,647,356	7,441
	1914	83	4,467	2,933,696	3,174,467	9,733,721	6,559,254	6,187
	1914							
Sewing machines and attachments ¹¹	1929	39	10,467	14,976,182	16,458,426	45,094,600	28,636,175	29,659
	1927	35	9,997	13,748,151	14,072,579	39,723,822	25,651,243	31,280
Textile machinery and parts	1929	376	27,019	37,839,406	36,556,209	122,438,514	85,882,215	66,539
	1927	367	26,154	36,481,196	36,180,680	116,921,130	80,740,441	64,532
	1925	379	27,869	37,463,681	39,036,868	121,663,324	82,616,456	61,738
	1923	428	35,672	46,022,545	49,705,554	140,661,358	90,955,804	59,295
	1921	421	31,025	38,830,660	44,903,788	128,934,806	84,031,108	(¹)
	¹⁰ 1919	432	31,823	36,528,729	45,636,028	122,089,264	76,452,636	41,744
	1914							
	1914							
Typewriters and parts ¹²	1929	26	16,945	22,319,327	7,248,001	61,857,615	54,609,014	23,883
	1927	26	15,603	19,397,911	9,936,079	55,318,864	46,382,785	14,653
Washing machines, wringers, driers, and ironing machines, for household use	1929	65	8,189	12,071,916	40,707,373	82,329,924	41,622,551	29,732
	1927	76	7,789	10,950,046	34,528,335	70,244,407	35,716,072	29,697
	1925	82	7,077	9,989,875	32,748,312	69,668,209	36,819,894	18,028
	1923	85	6,144	7,839,171	25,741,775	59,372,516	24,630,741	11,415
	1921	99	4,147	4,898,188	16,021,634	30,193,566	13,576,932	(¹)
	1919	105	5,959	6,431,378	23,388,925	40,771,285	17,382,300	8,816
	1914	111	2,302	1,220,882	4,148,481	7,699,302	3,451,321	4,898
	1914							
Windmills and windmill towers	1929	15	1,554	2,144,582	3,571,539	8,640,295	5,068,726	4,491
	1927	19	1,355	1,831,520	3,233,593	7,514,149	4,280,556	3,608
	1925	15	1,381	1,830,282	3,375,582	7,984,005	4,008,423	3,373
	1923	16	1,101	1,430,971	2,592,015	6,311,033	3,719,023	2,732
	1921	24	1,353	1,580,983	3,459,495	6,529,604	3,070,109	(¹)
	1919	31	1,632	2,145,301	4,900,420	9,932,585	4,972,159	4,686
	1914	31	1,655	1,252,930	2,555,121	5,496,591	2,941,470	3,997
	1914							

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

² Revised. See notes 11 and 12.

³ Not called for on schedule.

⁴ Revised; revision not carried into total for group.

⁵ No comparable data.

⁶ The figures for "Refrigerators, mechanical" for years prior to 1927 are included in part in those for "Electrical machinery, apparatus, and supplies" and in part in those for "Foundry and machine-shop products, not elsewhere classified."

⁷ Includes "Metal-working machinery, other than machine tools," shown separately in reports for 1927 and 1925. The figures for 1914 are not strictly comparable with those for later years because of changes in classification.

⁸ The statistics for this industry for 1927 and earlier years are not strictly comparable with those for 1929. (See footnote 9.) The figures in italics have been adjusted for comparison with 1929.

⁹ At censuses prior to that for 1929 some of the establishments of the classes now covered by this industry designation were assigned to the "Foundry and machine-shop products, not elsewhere classified" industry, others to the "Machine tools" industry, and still others to the "Tools, not including edge tools, machine tools, files, or saws" industry, in Group 11.

¹⁰ No comparable figures available for earlier years.

¹¹ At the census for 1929 establishments engaged primarily in the manufacture of sewing-machine cases, cabinets, and tables, formerly classified in this industry, were transferred to the "Furniture, including store and office fixtures" industry, in Group 3. The 1927 figures for the "Sewing machines and attachments" industry have been adjusted by deducting the data for the establishments in question, but those for earlier years can not be so adjusted.

¹² At prior censuses this industry included the manufacture of typewriter supplies, but at the census for 1929 a new classification, "Carbon paper and inked ribbons," was established, in Group 16. The figures for 1927 have been adjusted by deducting the data for establishment engaged primarily in the manufacture of carbon paper and inked ribbons, but no similar adjustments can be made for earlier years.

GROUP 14.—TRANSPORTATION EQUIPMENT, AIR, LAND, AND WATER

This group embraces those industries which are engaged primarily in the manufacture of aircraft, vehicles for land transportation, locomotives, and water craft. The several classes of products are airplanes and seaplanes; automobiles, motor trucks, motor busses, and motorcycles; bicycles; carriages, wagons, sleighs, and sleds; baby carriages and other vehicles for children; wheelbarrows; locomotives, steam and electric; railway cars, steam and electric; and all types of ships and boats.

The repair shops of steam and electric railroads manufacture some cars and locomotives, but the greater part of their work consists in the repairing of cars and locomotives, and some of it has no connection with rolling stock. For these reasons, and because of

the fact that the method of valuing their production differs from the methods employed in most other industries, railroad repair shops have been classified as separate industries, in Group 15.

The combined value of products for Groups 14 and 15 for 1929 amounts to \$7,317,126,229, which represents the manufacture of all classes of transportation equipment and the repair of all railroad rolling stock. The corresponding figures for earlier years are: 1927, \$5,983,666,764; 1925, \$6,784,432,512; 1923, \$6,853,572,126; 1921, \$4,285,496,880; 1919, \$6,981,709,084; 1914, \$1,690,040,724.

The following table presents summary statistics for the group as a whole and for each industry separately.

TABLE 14.—SUMMARY FOR GROUP 14—TRANSPORTATION EQUIPMENT, AIR, LAND, AND WATER: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horsepower
Total for the group.....	1929	2,550	583,355	\$943,221,905	\$3,683,148,078	\$6,047,209,390	\$2,364,061,312	2,271,192
	1927	2,587	494,906	803,297,866	2,907,949,399	4,693,971,006	1,786,022,207	2,027,686
	1925	2,778	559,578	908,437,563	3,389,101,383	5,451,763,433	2,082,662,060	1,888,961
	1923	3,873	606,328	963,939,377	3,394,504,710	5,333,479,375	1,938,974,665	1,624,468
	1921	4,273	406,773	591,333,775	1,803,011,413	3,018,164,321	1,215,142,908	(2)
	1919	6,768	358,682	1,239,014,020	3,200,602,262	5,627,262,990	2,426,660,738	1,453,804
	1914	7,818	312,682	230,614,798	639,793,313	1,137,422,934	407,629,621	602,459
Aircraft and parts.....	1929	132	14,710	21,923,844	27,808,103	71,152,924	43,784,821	16,505
	1927	70	4,422	6,867,014	7,517,183	21,161,853	13,644,670	6,031
	1925	44	2,701	4,222,151	2,869,967	12,524,719	9,654,762	3,735
	1923	38	2,001	4,621,949	3,829,574	12,945,263	9,115,689	6,443
	1921	21	1,395	2,202,307	2,407,365	6,641,988	4,234,593	(2)
	1919	31	3,543	4,906,740	7,126,965	14,372,643	7,245,678	12,512
	1914	16	168	184,827	183,939	789,872	655,933	195
Carriage, wagon, sleigh, and sled materials.....	1929	45	681	584,686	1,481,988	2,792,228	1,310,240	4,760
	1927	44	764	664,515	1,554,554	3,040,948	1,486,394	5,213
	1925	81	1,389	1,215,794	2,653,631	5,117,616	2,458,985	8,689
	1923	109	1,983	1,590,690	4,004,305	7,313,148	3,308,753	10,647
	1921	141	2,747	2,555,238	6,184,955	10,787,177	4,652,222	(2)
	1919	258	6,509	5,868,771	14,734,673	26,768,316	12,030,643	23,672
	1914	456	11,087	6,059,218	13,846,278	24,849,560	11,303,287	38,195
Carriages and sleds, children's.....	1929	79	7,102	8,313,356	12,514,787	28,317,860	15,303,073	10,895
	1927	89	7,080	7,813,648	13,895,086	28,668,146	14,773,059	10,309
	1925	86	6,926	7,923,304	13,553,184	30,173,501	16,620,317	9,853
	1923	100	3,324	8,856,108	15,936,678	34,172,976	18,237,298	9,376
	1921	89	5,460	5,577,906	9,517,303	21,716,839	12,199,536	(2)
	1919	103	6,686	6,229,038	11,700,188	24,608,596	12,806,438	6,071
	1914	92	5,900	3,180,705	5,682,489	11,751,623	6,069,134	5,652
Carriages, wagons, sleighs, and sleds ²	1929	88	2,873	3,417,963	8,468,294	16,449,879	7,991,585	14,899
	1927	117	3,387	4,211,610	10,648,271	19,422,235	9,773,964	15,207
	1925	152	4,833	5,791,729	12,869,793	24,934,814	12,075,021	20,449
	1923	396	8,109	9,318,763	18,682,274	37,372,825	18,690,551	26,509
	1921	616	(1)	(1)	(1)	25,829,620	(1)	(1)
	1919	837	8,025	9,903,327	16,833,611	33,118,372	16,229,761	(2)
	1919	2,297	18,464	19,684,837	49,333,552	93,142,763	43,809,211	41,081
	1914	4,622	41,627	26,697,287	52,602,002	107,639,309	55,037,307	75,439
Cars, electric and steam railroad, not built in railroad repair shops.	1929	147	40,016	63,387,332	223,839,397	328,220,204	104,330,807	238,455
	1927	135	38,031	60,624,856	209,112,581	312,508,598	103,396,087	265,415
	1925	141	50,393	77,246,992	266,053,504	390,771,210	124,717,706	243,984
	1923	139	80,590	120,178,010	413,600,102	604,350,841	190,690,239	350,102
	1921	118	48,033	70,944,834	211,938,355	340,536,225	128,597,870	(2)
	1919	106	55,218	82,416,737	368,143,487	556,664,807	188,521,320	167,180
	1914	117	58,128	43,800,606	138,549,938	205,270,622	66,720,684	136,898

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 14.—SUMMARY FOR GROUP 14—TRANSPORTATION EQUIPMENT, AIR, LAND, AND WATER:
1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horsepower
Locomotives, not made in railroad repair shops-----	1929	16	11,045	\$17,994,078	\$52,808,092	\$83,858,258	\$31,050,166	98,482
	1927	17	12,961	17,648,206	46,688,460	76,719,408	31,030,963	148,971
	1925	18	12,809	18,218,843	41,717,142	65,389,134	23,671,992	114,209
	1923	19	30,672	51,866,976	124,261,528	215,392,961	91,131,423	91,214
	1921	22	16,583	20,472,715	55,411,656	102,023,358	46,611,702	(?)
	1919	17	26,715	38,798,641	72,375,950	159,269,730	33,893,780	96,504
	1914	19	17,391	17,391	11,085,375	23,546,118	43,374,141	19,828,023
Motor-vehicle bodies and motor-vehicle parts-----	1929	1,164	221,332	360,503,385	858,985,637	1,537,920,793	680,944,156	824,705
	1927	1,213	181,489	291,290,998	641,306,562	1,151,426,366	510,119,803	551,639
	1925	1,358	228,382	372,720,933	802,721,451	1,523,279,923	600,558,472	662,255
	1923	2,120	163,530	253,147,058	594,107,225	1,013,112,410	449,005,185	426,088
	1921	1,974	99,119	96,779,079	213,964,817	408,016,532	194,051,715	(?)
	1919	2,515	132,556	178,955,503	362,027,302	692,170,692	330,143,300	256,770
	1914	971	47,785	34,902,515	63,610,355	129,601,337	65,990,972	67,912
Motor vehicles, not including motor cycles-----	1929	244	226,116	360,579,233	2,401,511,763	3,722,793,274	1,321,281,511	713,912
	1927	264	187,910	321,664,033	1,389,426,249	2,848,442,843	959,016,594	725,674
	1925	297	197,728	341,210,401	2,103,191,812	3,198,122,633	1,089,930,821	509,753
	1923	351	241,356	406,730,278	2,147,463,352	3,163,327,874	1,016,894,522	435,546
	1921	385	143,653	221,973,586	1,107,062,085	1,671,356,970	564,324,891	(?)
	1919	315	210,569	312,165,870	1,578,651,574	2,387,903,237	809,251,713	282,823
	1914	300	79,307	66,934,359	292,597,565	503,230,137	210,632,572	104,963
Motor cycles, bicycles, and parts-----	1929	21	4,392	6,263,876	11,281,327	23,894,805	12,613,478	11,124
	1927	29	3,897	5,441,502	10,174,092	21,454,149	11,280,057	10,753
	1925	36	4,193	5,662,397	12,176,935	24,257,923	12,090,988	12,609
	1923	39	6,576	8,010,021	18,002,907	32,259,205	14,256,298	14,840
	1921	46	4,308	4,981,295	10,322,811	23,097,749	12,774,638	(?)
	1919	51	10,886	12,763,235	25,985,915	53,105,895	27,119,580	14,420
	1914	78	6,680	4,738,760	10,927,654	22,234,262	11,306,608	8,718
Ship and boat building, steel and wooden, including repair work.	1929	624	55,089	88,274,153	85,848,690	231,300,165	145,451,475	337,455
	1927	559	55,014	87,081,444	78,626,391	211,127,067	132,500,673	314,474
	1925	565	60,224	74,275,019	66,298,964	177,181,960	119,832,998	303,470
	1923	587	62,287	90,719,525	84,537,675	213,232,352	128,674,707	317,712
	1921	640	105,445	155,943,490	198,398,425	400,834,105	231,465,680	(?)
	1919	1,075	337,446	597,446,648	710,522,676	1,622,361,261	911,838,585	553,271
	1914	1,147	44,489	32,931,156	38,590,970	88,682,071	50,085,101	115,114

¹ Value of products less cost of materials, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

² Not called for on schedule.

³ Repairing included for 1921 and earlier years. Items in italics for 1921 have been adjusted for comparison with those for later years.

⁴ Not available.

⁵ Revised; revision not carried into group total.

GROUP 15.—RAILROAD REPAIR SHOPS

This group comprises only two industries, "Car and general construction and repairs, steam-railroad repair shops" and "Car and general construction and repairs, electric-railroad repair shops."

Summary statistics for the group as a whole are presented in the table below.

TABLE 15.—SUMMARY FOR GROUP 15—RAILROAD REPAIR SHOPS: 1914 TO 1929

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horsepower
Total for the group-----	1929	2,297	398,156	\$637,311,434	\$548,343,505	\$1,269,916,889	\$721,573,274	1,153,147
	1927	2,309	428,672	648,908,452	545,491,754	1,289,695,153	744,203,404	1,110,821
	1925	2,363	457,755	668,191,768	563,645,944	1,332,679,079	769,693,135	942,248
	1923	2,348	523,430	772,968,122	631,368,483	1,520,092,751	888,734,268	798,005
	1921	2,326	418,285	671,955,829	506,571,099	1,267,342,559	760,771,400	(²)
	1919	2,368	515,709	726,690,466	547,828,094	1,354,446,094	805,517,400	644,875
	1914	2,011	365,902	253,149,943	261,438,181	552,617,700	291,170,609	478,893
Car and general construction and repairs, electric-railroad repair shops-----	1929	446	29,475	47,103,710	32,781,113	85,481,577	52,700,464	76,424
	1927	515	31,534	48,391,897	30,421,479	84,504,448	54,082,969	73,387
	1925	521	32,521	48,357,386	29,738,148	83,812,220	54,074,072	70,479
	1923	547	34,025	49,225,583	31,981,650	86,412,645	54,430,995	62,370
	1921	560	33,279	47,775,235	33,560,133	87,312,426	53,752,293	(²)
	1919	624	31,272	39,073,154	32,025,484	75,210,701	43,185,217	53,805
	1914	649	26,384	13,644,845	17,609,574	38,576,555	20,966,991	44,989
Car and general construction and repairs, steam-railroad repair shops-----	1929	1,851	368,681	590,202,724	515,562,452	1,184,435,262	668,872,810	1,076,723
	1927	1,794	397,088	600,516,555	515,070,275	1,205,190,710	690,120,435	1,037,464
	1925	1,842	425,234	619,834,382	533,907,796	1,248,866,859	714,959,063	³ 934,539
	1923	1,801	488,505	723,742,530	599,376,833	1,433,680,106	834,303,273	735,635
	1921	1,766	385,008	624,130,594	473,010,966	1,180,036,133	707,010,167	(²)
	1919	1,744	434,437	687,617,312	515,803,210	1,279,235,393	763,432,183	591,070
	1914	1,862	339,518	234,505,093	243,828,607	514,041,225	270,212,618	433,904

¹ Value of products less cost of materials, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture.

² Not called for on schedule.

³ Revised; revision not carried into group total.

GROUP 16.—MISCELLANEOUS INDUSTRIES

Some of the industries in this group can not be properly classified in any of the other groupings because of the varied character of materials used, and others because of the peculiar nature or use of the products made. To a large extent the industries in Group 16 are those which use as their materials the products of certain industries in other groups. This group includes a few industries, however, which use strictly raw materials, such as tobacco for the manufacture of cigars, cigarettes, and other tobacco products; bone and shell for making buttons, hairpins, and fancy articles; broomcorn for brooms; straw for straw hats; and sand for foundry supplies and sandpaper.

Group 16 includes also a class of industries whose manufacturing operations consist principally in processes or treatments which prepare commodities for the trade or the market but produce little change in their character. These industries include "Feathers, plumes, and manufactures thereof," "Furs, dressed," "Hair work," and "Lapidary work."

This group differs slightly from the corresponding one as constituted at the census for 1927, the changes being as follows:

(1) Establishments engaged solely or primarily in dental-laboratory work, formerly classified in the

"Dental goods, including dental-laboratory work" industry, are no longer canvassed. The title of the industry has accordingly been changed to "Dental goods and equipment."

(2) The former "Pens, steel and brass" industry, in Group 11, and the former "Pens, gold" industry, in Group 12, have been combined with the former "Pens, fountain, and stylographic," industry, in Group 16, under the title "Pens, fountain, and stylographic; pen points, gold, steel, and brass."

(3) Establishments engaged in the quarrying and crushing of stone for paving materials, formerly classified in the "Paving materials, not elsewhere classified" industry, have been transferred to the "Miscellaneous stone" industry, which is covered by the Decennial Census of Mines and Quarries, and are no longer treated as manufacturing establishments.

(4) Establishments whose principal products are carbon paper and inked ribbons, formerly assigned to the "Typewriters and supplies" industry, in Group 13, have been classified separately under the industry title "Carbon paper and inked ribbons," in Group 16.

Summary statistics for the group, by industries, are given in the following table.

TABLE 16.—SUMMARY FOR GROUP 16—MISCELLANEOUS INDUSTRIES: 1914 TO 1929

[The totals for the group as a whole and for the "Other industries" subgroup for 1927 have been revised for comparison with 1929 by adding the figures for "Carbon paper and inked ribbons," formerly a part of the "Typewriters and supplies" industry, in Group 13; and those for 1927 and prior years have been revised by adding the figures for "Pens, steel and brass," formerly in Group 11, and for "Pens, gold," formerly in Group 12 (see footnotes 4 and 8), and by deducting the figures for "Enameling and japanning," formerly a separate industry classification in Group 16 but now included in the "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering" industry, in Group 12. Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See GENERAL EXPLANATIONS—Establishments Covered—Size]

Industry	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	Horse-power
Aggregate for the group.....	1929	14,620	417,467	\$500,581,672	\$1,359,360,506	\$3,426,310,134	\$2,066,958,628	664,371
	1927	14,320	440,456	529,676,055	1,378,160,468	3,317,090,169	1,938,929,691	837,680
	1925	14,216	439,503	508,749,895	1,351,609,948	3,125,318,940	1,773,708,992	732,559
	1923	15,439	475,481	528,386,828	1,420,535,549	3,003,597,298	1,574,061,749	701,511
	1921	15,762	418,221	442,099,510	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	446,612
Musical Instruments and phonographs, total.....	1929	375	33,041	48,008,242	67,353,463	176,830,335	109,476,872	87,575
	1927	431	42,985	60,761,435	90,168,731	226,362,120	136,203,389	102,105
	1925	461	46,980	62,501,341	98,760,497	231,680,552	132,926,055	97,318
	1923	535	58,329	76,395,851	123,600,029	282,531,528	158,931,499	90,229
	1921	600	45,113	54,493,504	94,687,608	212,988,764	118,001,168	(2)
	1919	778	63,741	75,807,659	137,456,827	320,905,149	183,445,322	91,040
	1914	737	48,768	30,854,658	49,323,415	119,688,728	70,365,313	57,526
Organs.....	1929	62	2,389	3,603,631	3,000,676	11,322,736	8,232,060	4,740
	1927	63	2,770	4,363,731	4,494,449	15,435,623	10,944,174	4,332
	1925	57	2,460	3,609,586	3,748,942	12,283,089	8,534,147	3,983
	1923	59	1,855	2,661,804	2,802,566	9,602,692	6,800,126	2,602
	1921	56	2,346	3,342,795	3,730,917	10,184,854	6,453,937	(2)
	1919	68	1,941	1,978,518	2,217,097	6,973,268	3,756,171	3,245
	1914	85	3,063	1,993,415	2,659,980	6,297,348	3,637,368	3,666

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 16.—SUMMARY FOR GROUP 16—MISCELLANEOUS INDUSTRIES: 1914 TO 1929—Continued

[See note at head of this table]

Industry	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	Horse-power
Musical Instruments and phonographs—Contd.								
Pianos.....	1929	81	0,970	\$14,000,826	\$18,860,437	\$42,601,875	\$23,034,938	27,193
	1927	124	16,582	23,890,846	33,898,668	75,490,081	41,592,013	29,725
	1925	142	20,070	28,096,207	49,295,643	101,180,777	51,885,134	20,012
	1923	160	22,208	30,679,198	54,178,803	111,169,398	56,980,595	26,850
	1921	185	15,836	18,887,126	38,651,906	73,639,912	34,987,910	(²)
	1919	191	22,957	25,474,200	54,364,656	107,088,050	52,723,394	28,097
	1914	255	23,877	15,704,679	29,091,045	62,775,035	33,683,990	25,838
Piano and organ parts and materials.....	1929	67	3,090	3,597,210	4,247,919	11,883,098	7,035,179	11,099
	1927	85	5,399	6,593,645	9,667,350	22,244,731	12,587,381	14,185
	1925	94	8,618	10,131,137	15,293,635	36,530,238	21,542,603	15,734
	1923	99	9,672	11,243,188	17,019,395	38,838,735	21,819,340	15,478
	1921	89	5,569	5,969,804	8,221,840	18,597,436	10,375,596	(²)
	1919	113	11,009	10,467,137	16,093,140	36,789,627	20,096,487	15,716
	1914	138	10,616	5,654,557	9,501,766	19,875,782	10,373,996	14,569
Musical instruments and parts and materials, not elsewhere classified.	1929	106	3,176	4,580,720	3,825,294	14,274,078	10,448,784	6,060
	1927	99	4,018	5,737,005	4,640,553	17,891,948	13,251,305	5,855
	1925	106	4,556	6,519,956	5,575,183	20,329,301	14,754,118	4,907
	1923	100	4,103	5,841,976	4,348,938	15,619,438	11,270,500	3,880
	1921	116	3,424	4,520,029	3,325,345	12,353,778	9,028,433	(²)
	1919	240	4,113	3,984,656	4,444,729	12,600,934	8,061,605	3,219
	1914	241	1,831	1,100,512	1,022,584	3,624,067	2,002,083	1,765
Phonographs.....	1929	59	14,416	17,825,855	37,323,137	96,840,048	59,525,911	38,483
	1927	60	14,216	20,176,208	37,467,711	95,290,137	57,828,426	48,507
	1925	68	11,267	14,144,955	24,847,094	61,057,147	36,210,053	46,732
	1923	111	20,491	24,069,685	45,250,327	107,311,265	62,060,938	41,160
	1921	154	17,998	21,773,760	41,057,508	98,212,784	57,155,276	(²)
	1919	166	28,721	33,963,148	59,740,205	168,647,870	98,807,665	40,163
	1914	18	9,381	6,341,495	7,048,040	27,115,916	20,067,876	11,688
Tobacco manufactures, total.....	1929	1,788	116,119	94,573,749	429,272,352	1,246,241,889	816,969,487	64,984
	1927	2,156	129,299	105,250,631	420,666,613	1,163,768,379	743,101,866	52,355
	1925	2,623	132,132	111,558,170	425,769,206	1,091,000,981	665,231,715	42,076
	1923	3,672	146,337	120,462,233	516,864,980	1,044,192,405	528,327,425	43,515
	1921	4,372	149,985	120,903,492	608,688,303	1,048,489,597	439,801,234	(²)
	1919	10,291	167,097	123,988,084	483,567,754	1,012,933,213	529,365,459	43,300
	1914	13,961	178,872	77,856,100	207,133,584	490,165,222	283,031,638	34,756
Cigars and cigarettes.....	1929	1,636	105,908	85,623,298	356,778,023	1,066,908,888	710,130,865	49,517
	1927	1,997	116,174	94,539,211	335,356,075	965,523,702	630,167,627	36,819
	1925	2,445	117,103	99,373,421	331,350,626	874,814,564	543,463,998	24,534
	1923	3,466	130,030	107,723,504	369,491,203	821,220,819	461,735,616	24,894
	1921	4,146	133,367	108,161,040	452,211,828	806,748,865	364,537,037	(²)
	1919	9,926	138,773	111,313,348	353,297,866	773,632,495	420,365,120	24,407
	1914	18,515	162,892	68,306,398	130,529,525	314,884,297	184,354,772	13,483
Tobacco: Chewing and smoking, and snuff.....	1929	182	10,811	8,955,451	72,494,329	179,332,951	106,838,622	15,467
	1927	189	13,125	10,861,420	85,310,438	198,244,677	112,934,230	16,566
	1925	178	15,024	12,184,749	94,418,640	216,156,417	121,787,777	17,541
	1923	206	16,301	12,738,729	146,373,777	222,065,686	76,691,809	18,621
	1921	226	16,628	12,742,452	156,476,535	241,740,732	85,284,197	(²)
	1919	365	18,324	12,674,736	130,270,388	230,270,718	109,000,330	18,808
	1914	436	25,980	9,549,702	76,604,059	175,280,925	98,676,866	21,273
Other industries, ² total.....	1929	12,457	268,307	362,394,681	892,734,691	2,003,246,960	1,140,512,269	511,812
	1927	11,733	268,172	363,663,989	867,335,224	1,926,950,660	1,059,624,436	683,100
	1925	11,132	280,391	334,689,884	827,080,185	1,802,631,407	975,551,222	593,166
	1923	11,232	270,815	332,527,744	790,070,540	1,676,873,365	886,802,825	567,767
	1921	10,790	223,123	266,702,614	611,931,426	1,296,480,414	684,548,988	(²)
	1919	14,126	290,916	311,956,040	840,713,934	1,661,640,264	820,921,330	616,686
	1914	11,849	214,677	119,012,170	347,234,217	660,349,719	313,615,502	357,230
Artificial and preserved flowers and plants.....	1929	191	3,216	3,217,642	5,527,451	14,425,420	8,897,909	625
	1927	190	4,715	5,050,438	7,888,833	19,576,337	11,687,504	541
	1925	137	4,305	4,286,651	7,264,858	17,823,841	10,568,983	737
	1923	223	4,696	4,501,701	8,692,238	19,049,862	10,957,624	847
	1921	201	3,883	3,820,652	5,849,789	14,188,221	8,338,432	(²)
	1919	224	4,138	3,740,911	7,004,646	16,143,165	9,138,519	468
	1914	217	4,808	1,990,788	3,206,868	7,614,049	4,407,181	237
Artists' materials.....	1929	68	1,167	1,428,728	4,155,317	9,459,565	5,304,248	3,397
	1927	61	1,211	1,420,983	3,771,603	8,204,521	4,433,018	3,250
	1925	62	1,317	1,667,746	3,802,420	8,320,776	4,518,356	2,982
	1923	61	1,411	1,747,175	4,355,150	8,638,744	4,238,594	4,902
	1921	55	1,008	1,198,314	3,089,642	6,959,760	2,970,124	(²)
	1919	58	926	895,764	2,687,226	5,507,656	2,820,430	3,206
	1914	44	604	314,504	2,064,716	3,237,729	1,173,013	1,860
Brooms.....	1929	407	4,542	4,169,087	9,647,688	19,166,353	9,518,665	4,672
	1927	394	4,450	4,274,688	9,175,710	18,444,912	9,269,202	4,401
	1925	421	4,725	4,653,656	11,213,381	21,714,194	10,500,813	5,399
	1923	444	4,730	4,481,645	14,932,827	26,261,834	11,329,007	4,960
	1921	459	4,302	3,871,895	10,417,147	18,188,376	7,771,229	(²)
	1919	1,034	6,313	5,708,885	17,865,109	30,205,267	12,840,158	6,037
	1914	868	5,642	2,624,106	7,883,613	14,084,959	6,201,346	4,495
Brushes, other than rubber.....	1929	303	7,261	7,962,538	21,688,253	45,549,270	23,861,017	11,915
	1927	302	7,673	8,244,032	22,553,058	47,844,124	25,291,066	12,093
	1925	302	7,336	8,452,209	22,021,444	45,824,215	23,802,771	11,220
	1923	306	8,719	9,208,272	25,569,661	50,511,289	24,941,578	10,276
	1921	277	6,460	6,415,340	18,664,652	35,544,514	16,879,862	(²)
	1919	379	7,988	7,113,201	19,598,133	39,005,607	19,407,474	7,307
	1914	359	7,213	3,461,271	9,326,655	17,894,476	8,867,821	6,298

See footnotes at end of table.

INDUSTRY GROUPS

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TABLE 16.—SUMMARY FOR GROUP 16—MISCELLANEOUS INDUSTRIES: 1914 TO 1929—Continued

[See note at head of this table]

Industry	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	Horse-power
Other industries—Continued.								
Buttons-----	1929	242	9,034	\$8,813,927	\$11,501,401	\$28,977,919	\$17,476,518	14,615
	1927	229	9,642	9,435,821	11,237,579	29,130,168	17,592,589	15,899
	1925	289	11,513	10,893,176	12,372,646	32,458,435	20,085,789	15,840
	1923	336	11,860	11,229,008	13,199,582	32,750,190	19,550,608	15,384
	1921	346	9,086	8,511,449	10,405,511	26,533,891	16,128,380	(²)
	1919	557	15,577	13,772,599	16,745,357	41,840,459	25,095,102	15,706
	1914	517	14,511	6,424,399	8,702,200	20,711,979	12,009,779	14,009
Carbon paper and inked ribbons ⁴ -----	1929	57	1,251	1,702,358	7,990,753	17,295,140	9,304,387	3,642
	1927	49	1,078	1,514,230	6,019,758	13,793,128	7,773,370	3,267
Combs and hairpins, not made from metal or rubber...-	1929	24	656	640,857	1,006,824	2,482,419	1,475,595	1,015
	1927	36	1,259	1,249,064	1,873,003	4,436,658	2,563,653	1,691
	1925	44	1,300	1,292,923	2,333,755	5,270,208	2,936,453	1,892
	1923	42	2,144	2,266,594	4,583,022	8,770,153	4,187,131	1,919
	1921	38	1,321	1,276,799	2,172,287	4,580,868	2,408,081	(²)
	1919	45	2,229	1,809,453	3,108,818	6,566,965	3,397,547	1,688
	1914	66	2,773	1,393,369	2,852,823	5,478,196	2,025,373	2,453
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.	1929	172	5,450	6,925,320	16,371,116	42,240,768	25,875,042	13,672
	1927	152	5,091	6,373,561	15,086,293	36,223,648	21,137,355	13,576
	1925	180	4,844	5,863,844	15,421,233	37,263,376	21,842,143	14,719
	1923	192	5,788	6,042,711	17,586,864	39,403,324	21,876,460	14,308
	1921	180	3,841	4,414,031	13,084,780	27,044,471	14,559,691	(²)
	1919	244	6,437	7,078,433	18,526,743	37,397,448	18,870,705	11,766
	1914	236	5,551	3,363,119	9,247,939	18,949,638	9,701,599	11,639
Dental goods and equipment ⁵ -----	1929	87	4,559	5,359,432	17,326,748	35,180,165	17,853,417	6,216
	1927	97	3,759	3,941,280	13,188,534	32,348,979	14,160,395	3,792
Fancy and miscellaneous articles, not elsewhere classified.	1929	814	18,722	19,040,511	35,139,854	85,383,961	50,249,107	11,071
	1927	595	16,965	18,303,510	34,673,611	83,005,431	48,332,820	10,802
	1925	532	14,552	14,959,902	29,154,685	69,769,149	40,014,464	9,071
	1923	542	13,522	13,713,306	28,531,483	63,208,279	34,679,706	8,098
	1921	509	11,534	11,088,390	24,384,091	51,400,493	27,022,402	(²)
	1919	661	13,961	12,207,913	32,591,073	64,054,481	31,463,408	8,657
	1914	493	7,399	3,566,900	8,428,918	17,658,770	9,229,854	4,465
Feathers, plumes, and manufactures thereof-----	1929	39	257	309,693	386,356	1,141,418	755,062	100
	1927	38	322	396,683	534,149	1,438,441	904,292	103
	1925	70	888	976,394	1,880,708	4,179,063	2,298,355	334
	1923	131	1,712	1,968,327	3,399,735	7,860,492	4,466,767	410
	1921	135	2,064	2,145,013	4,298,325	8,888,540	4,588,215	(²)
	1919	216	3,504	3,405,765	6,694,596	15,377,953	8,683,357	502
	1914	239	4,483	1,988,004	6,102,515	11,450,521	5,348,006	308
Foundry supplies-----	1929	59	853	1,255,801	5,534,548	10,458,589	4,924,041	9,396
	1927	65	941	1,200,141	6,539,050	11,635,060	5,096,010	11,133
	1925	66	1,037	1,360,219	6,903,678	12,723,120	5,819,442	10,733
	1923	64	966	1,182,008	4,822,611	10,247,864	5,425,253	7,736
	1921	50	567	676,241	2,775,014	4,965,678	2,190,664	(²)
	1919	76	906	1,032,029	5,667,236	9,954,676	4,287,440	6,327
	1914	57	555	300,775	997,315	2,012,896	1,015,531	4,639
Fur goods-----	1929	2,855	15,752	33,329,965	176,106,910	277,592,752	101,485,842	5,511
	1927	2,756	16,640	37,670,610	195,322,988	299,615,047	104,292,059	5,655
	1925	2,000	10,556	35,164,292	169,315,693	254,265,708	94,950,015	4,985
	1923	1,768	14,439	27,923,042	126,162,143	198,042,571	71,880,428	4,299
	1921	1,707	12,052	22,421,193	84,536,855	139,365,929	54,829,074	(²)
	1919	1,815	13,639	24,149,212	105,596,806	173,137,739	67,541,134	5,327
	1914	1,322	9,030	6,334,661	23,847,402	43,632,693	19,785,291	3,225
Furs, dressed-----	1929	248	5,167	8,596,377	18,643,954	40,237,192	21,588,238	10,769
	1927	172	5,540	10,360,987	7,071,850	27,680,835	20,608,785	12,467
	1925	183	5,056	8,205,892	7,296,408	25,422,663	18,126,255	9,858
	1923	162	5,203	8,381,453	7,241,783	25,466,841	18,225,088	7,776
	1921	126	4,429	6,758,712	6,070,474	19,157,339	13,086,895	(²)
	1919	141	5,075	7,098,285	6,338,835	20,384,569	14,045,784	5,421
	1914	96	1,525	922,966	906,036	2,875,036	1,969,000	2,207
Hair work-----	1929	59	359	432,340	533,479	1,693,588	1,155,109	44
	1927	69	515	598,034	829,891	2,279,226	1,440,335	21
	1925	85	864	974,982	3,046,276	6,089,756	3,043,480	13
	1923	113	1,317	1,352,406	5,568,007	11,293,953	5,695,946	17
	1921	128	1,222	1,250,198	6,734,188	10,951,844	4,217,656	(²)
	1919	193	1,084	1,064,650	3,829,197	6,963,033	3,133,836	119
	1914	205	1,193	580,815	1,528,942	3,334,946	1,806,004	68
Hand stamps and stencils and brands-----	1929	332	2,971	4,080,780	3,811,158	15,036,023	11,224,865	3,596
	1927	293	2,663	3,841,771	3,733,718	14,155,607	10,421,889	3,159
	1925	323	2,930	4,015,323	4,070,322	15,320,554	11,250,232	3,658
	1923	255	2,312	3,034,974	3,103,320	11,130,936	8,027,616	2,571
	1921	234	2,068	2,637,418	2,785,615	9,079,097	6,293,482	(²)
	1919	382	2,136	2,261,287	3,148,667	9,338,558	6,187,891	1,848
	1914	384	1,767	1,148,708	1,425,562	4,485,350	3,059,788	1,355
Hats, straw, men's-----	1929	50	3,380	3,637,570	8,704,621	18,738,994	10,034,373	1,836
	1927	43	3,263	4,232,332	11,782,066	21,717,689	9,934,733	1,554

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 16.—SUMMARY FOR GROUP 16—MISCELLANEOUS INDUSTRIES: 1914 TO 1920—Continued

[See note at head of this table]

Industry	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	Horse-power
Other industries—Continued.								
Instruments, professional and scientific.....	1929	276	16,876	\$22,682,052	\$28,411,480	\$89,746,369	\$61,834,639	22,810
	1927	280	16,414	22,288,973	28,880,222	87,788,488	58,003,266	25,587
	1925	233	12,129	16,166,202	20,428,088	76,338,739	55,910,651	17,805
	1923	258	12,275	15,502,679	18,039,523	63,074,391	45,034,868	16,203
	1921	266	9,384	11,690,950	13,326,311	42,131,845	28,805,534	(²)
	1919	351	15,931	17,490,888	19,494,634	58,136,091	38,642,057	12,981
	1914	307	7,107	4,652,105	5,681,722	17,494,729	11,913,007	6,731
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1929	21	391	424,783	517,325	1,280,426	748,101	642
	1927	22	294	329,752	328,067	911,342	583,275	599
	1925	29	488	554,972	727,505	1,879,469	1,151,964	892
	1923	30	603	682,958	1,120,833	2,441,127	1,320,294	880
	1921	39	674	689,818	1,143,711	2,395,376	1,251,664	(²)
	1919	44	842	734,982	1,293,376	2,816,580	1,522,654	879
	1914	54	795	391,338	958,051	1,895,812	937,761	650
Jewelry and instrument cases.....	1929	113	2,269	2,472,880	3,324,459	8,826,727	5,502,268	1,503
	1927	107	2,406	2,597,056	3,293,986	8,810,065	5,510,079	1,440
	1925	125	2,748	2,750,209	3,832,577	10,114,073	6,281,406	2,460
	1923	111	2,977	2,804,430	4,417,256	10,506,478	6,080,222	1,662
	1921	107	2,241	2,087,591	2,712,084	7,035,778	4,323,094	(²)
	1919	142	2,734	2,147,648	3,505,840	8,126,800	4,620,460	1,075
	1914	125	2,393	1,093,672	1,449,848	3,620,538	2,170,990	1,012
Lapidary work.....	1929	100	506	1,001,708	8,234,889	11,942,421	3,707,532	474
	1927	92	547	1,220,647	9,133,059	12,351,603	3,218,444	513
	1925	83	589	1,234,991	7,272,868	10,122,782	2,849,914	615
	1923	87	644	1,280,291	5,887,061	9,129,842	3,242,781	560
	1921	84	399	737,922	2,840,309	4,345,214	1,504,905	(²)
	1919	124	1,155	2,837,811	19,363,004	30,051,460	10,688,456	680
	1914	89	584	641,444	3,940,761	5,860,064	1,410,303	534
Mattresses and bed springs, not elsewhere classified...	1929	951	17,187	22,583,835	61,627,026	123,279,717	61,752,691	50,554
	1927	838	15,481	16,886,711	52,182,075	98,834,558	46,662,453	32,937
	1925	1,018	14,408	17,429,710	62,489,286	110,710,890	48,227,610	32,840
	1923	1,015	14,103	16,472,666	61,476,696	107,661,684	46,084,988	30,324
	1921	859	11,748	13,540,457	42,056,162	74,623,976	32,567,814	(²)
	1919	1,041	12,637	12,895,351	49,298,560	83,952,009	34,744,049	23,887
	1914	1,000	11,747	6,723,372	22,399,153	38,710,764	10,317,611	20,604
Models and patterns, not including paper patterns....	1929	804	6,778	13,233,622	5,314,350	30,621,074	25,806,715	12,378
	1927	698	5,584	10,544,604	4,659,286	23,494,092	18,855,726	11,465
	1925	689	5,282	9,419,777	4,927,230	22,484,585	17,557,355	10,473
	1923	697	5,813	9,785,310	11,187,572	30,164,700	18,977,137	12,072
	1921	656	3,986	6,026,634	4,042,100	15,742,112	11,700,012	(²)
	1919	928	6,949	10,318,104	6,395,834	25,300,389	18,904,555	13,750
	1914	762	4,274	3,103,061	2,045,327	8,604,695	6,559,368	3,801
Motion pictures, not including projection in theaters...	1929	142	10,784	24,860,092	38,441,025	184,102,419	145,661,394	49,732
	1927	142	8,415	18,637,005	34,867,472	134,343,360	99,476,888	32,160
	1925	132	5,573	18,065,756	33,258,368	93,636,348	60,377,930	20,472
	1923	97	6,408	16,601,163	30,056,770	86,418,170	55,761,400	15,476
	1921	127	6,259	14,740,009	31,190,160	77,397,351	46,297,221	(²)
Optical goods.....	1929	117	9,701	12,033,947	11,869,128	40,562,459	28,703,331	15,026
	1927	98	7,596	9,560,725	8,865,025	32,757,210	23,892,185	12,401
Paving materials: Asphalt, tar, crushed slag, and mixtures.	1929	126	2,375	3,730,867	13,588,502	29,275,369	15,686,867	30,393
Pencils, lead (including mechanical).....	1929	38	5,703	6,292,276	10,759,296	27,772,955	17,016,669	9,021
	1927	27	5,301	5,942,783	9,931,493	24,499,839	14,598,346	9,832
	1925	25	5,636	6,031,305	9,168,525	25,060,757	15,882,232	8,209
	1923	20	5,326	5,540,474	8,659,173	24,567,504	15,908,331	7,288
	1921	14	5,134	5,084,899	7,259,861	21,382,050	14,122,189	(²)
	1919	12	5,970	5,299,050	9,073,563	24,134,159	15,060,596	8,099
	1914	14	4,330	1,944,376	4,564,000	8,328,418	3,764,418	3,728
Pens, fountain and stylographic; pen points, gold, steel, and brass. ³	1929	76	4,600	5,304,142	11,459,411	34,211,384	22,751,978	4,235
	1927	68	4,031	4,734,561	10,374,789	25,645,189	15,270,400	3,721
	1925	78	4,203	4,852,547	8,594,651	26,595,734	18,001,083	3,607
	1923	73	4,301	4,732,023	9,343,299	23,730,202	14,386,903	3,167
	1921	67	3,403	3,729,116	6,424,464	14,976,011	8,551,547	(²)
	1919	76	4,430	4,177,191	7,172,212	19,477,809	12,305,597	1,942
	1914	72	1,973	1,134,785	2,033,161	8,021,033	5,987,882	1,539
Photographic apparatus and materials.....	1929	115	12,967	20,507,499	30,392,531	102,827,386	72,434,855	31,904
	1927	122	12,120	18,310,992	29,020,235	90,827,737	61,807,502	24,838
	1925	118	9,184	13,300,259	25,779,218	78,663,661	62,874,433	22,866
	1923	111	9,905	13,224,381	19,263,149	71,828,028	62,574,879	34,791
	1921	135	10,690	13,771,145	22,835,741	70,595,344	47,759,603	(²)
	1919	187	13,465	14,900,237	33,806,708	88,393,022	54,586,314	24,610
	1914	146	8,674	5,545,394	11,539,381	39,041,526	27,502,145	16,439
Pipes (tobacco).....	1929	24	1,680	1,961,020	1,749,222	5,557,982	3,808,760	2,276
	1927	23	1,807	2,278,537	2,722,796	7,273,806	4,551,100	1,928
	1925	23	1,970	2,280,769	2,718,135	7,298,595	4,580,460	2,052
	1923	30	2,402	2,720,218	3,827,927	9,704,816	5,879,889	2,354
	1921	36	1,705	1,937,037	2,925,856	7,126,810	4,267,954	(²)
	1919	56	2,539	2,555,291	3,497,414	11,553,777	8,056,363	2,001
	1914	47	2,354	1,188,411	2,308,240	4,220,084	1,911,838	1,641

See footnotes at end of table.

INDUSTRY GROUPS

TABLE 16.—SUMMARY FOR GROUP 16—MISCELLANEOUS INDUSTRIES: 1914 TO 1929—Continued

[See note at head of this table.]

Industry	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	Horse-power
Other industries—Continued.								
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.	1929	102	6,027	\$8,951,537	\$61,301,590	\$103,506,090	\$42,114,509	38,791
	1927	100	7,255	10,712,626	67,327,735	123,210,305	55,832,570	41,740
	1925	140	8,310	12,144,764	78,598,627	123,590,811	44,994,184	34,161
	1923	122	7,665	10,820,123	55,520,343	84,341,931	28,821,588	30,598
	1921	136	6,908	9,213,047	45,013,897	70,193,430	31,180,033	(²)
	1919	178	8,871	10,344,043	52,587,777	85,895,359	33,307,582	39,247
	1914	170	4,088	2,642,136	17,604,944	27,977,913	10,372,969	11,702
Sandpaper, emery paper, and other abrasive paper and cloth.	1929	11	1,223	1,739,544	8,375,277	17,218,590	8,843,313	6,927
	1927	10	917	1,228,420	5,470,629	12,232,064	6,751,435	2,834
	1925	12	1,230	1,713,967	7,341,590	15,622,720	8,281,130	4,613
	1923	14	1,176	1,518,528	6,870,410	13,763,079	6,882,639	3,694
	1921	12	680	867,585	3,591,851	6,462,025	2,870,174	(²)
	1919	12	771	840,765	5,000,561	9,303,734	4,243,173	3,977
	1914	12	681	350,201	2,688,530	4,328,127	1,641,697	3,082
Signs and advertising novelties.....	1929	1,239	20,000	27,900,605	35,701,412	118,044,157	82,342,745	19,627
	1927	813	16,907	24,044,389	30,892,294	98,481,024	67,888,780	15,325
	1925	759	15,128	20,764,187	25,855,149	89,699,343	63,811,194	12,550
	1923	648	12,988	16,420,466	22,641,082	67,223,676	44,682,594	11,731
	1921	624	10,373	12,703,005	18,734,401	53,270,864	34,530,463	(²)
	1919	779	10,432	9,715,219	16,071,924	43,843,093	27,271,109	7,714
	1914	776	9,566	5,933,044	9,053,788	24,792,210	15,735,422	7,345
Soda-water apparatus.....	1929	54	2,764	3,921,538	10,489,871	24,509,783	14,019,912	5,271
	1927	43	2,838	4,222,944	10,390,971	23,929,098	13,638,007	5,042
	1925	60	2,372	3,628,340	8,032,026	22,031,816	13,399,790	4,180
	1923	66	2,659	3,779,476	6,712,374	18,169,234	11,456,869	4,238
	1921	62	2,144	3,047,981	6,495,791	15,407,181	8,911,840	(²)
	1919	66	2,599	3,232,398	6,026,898	15,185,370	8,558,502	4,131
	1914	67	2,229	1,661,245	3,883,076	8,781,437	4,898,361	3,705
Sporting and athletic goods, not including firearms or ammunition.	1929	242	10,793	13,135,484	24,482,236	58,288,728	33,800,492	13,039
	1927	183	9,689	11,595,480	19,393,601	44,942,778	25,549,117	13,484
	1925	181	8,724	10,262,203	17,874,604	42,029,273	24,754,674	11,550
	1923	170	9,683	10,440,207	18,492,511	41,707,075	23,304,564	11,091
	1921	152	7,063	7,400,470	15,401,261	31,811,174	19,406,913	(²)
	1919	188	6,412	5,752,063	11,999,388	23,899,991	11,870,603	6,780
	1914	162	5,602	2,770,801	6,951,370	13,234,677	6,282,807	4,116
Stationery goods, not elsewhere classified.....	1929	203	11,078	12,429,720	32,177,887	74,062,447	41,884,160	11,523
	1927	194	9,987	9,791,788	27,016,348	56,037,400	29,971,142	8,891
	1925	217	11,399	12,076,287	31,103,376	67,809,237	36,700,891	10,970
	1923	225	13,814	14,627,838	34,713,313	77,683,035	42,075,117	11,539
	1921	221	11,285	12,399,283	29,605,923	64,596,978	34,991,056	(²)
	1919	223	11,261	9,577,807	28,180,239	58,363,244	30,203,005	8,342
	1914	189	7,723	3,791,012	10,792,623	21,903,060	11,140,433	6,687
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.	1929	171	7,206	9,680,414	21,596,489	45,433,135	23,836,646	30,881
	1927	159	5,946	7,904,603	19,794,205	43,044,501	23,250,290	29,810
	1925	172	6,030	8,072,189	20,371,963	43,871,139	23,499,276	25,679
	1923	142	5,064	6,431,746	15,349,197	32,991,237	17,142,040	17,071
	1921	157	4,877	5,328,783	15,983,991	29,112,457	13,128,766	(²)
	1919	169	6,147	7,103,275	22,724,561	40,524,779	17,800,218	26,755
	1914	149	4,213	2,524,503	8,176,630	14,212,595	6,036,065	17,165
Surgical and orthopedic appliances, including artificial limbs.	1929	363	7,010	8,921,668	36,004,844	71,607,119	35,602,275	13,407
	1927	335	7,310	8,371,278	30,763,598	60,623,407	29,859,899	9,662
	1925	303	6,450	6,837,328	26,813,846	58,285,656	31,471,810	12,527
	1923	286	5,898	6,308,521	24,275,660	47,693,399	23,327,739	9,982
	1921	265	5,280,033	5,280,033	15,077,020	34,946,606	19,899,676	(²)
	1919	265	7,061	6,878,668	22,983,068	46,805,266	23,817,198	13,239
	1914	391	4,770	2,580,535	7,413,294	16,418,138	9,004,844	6,948
Theatrical scenery and stage equipment.....	1929	55	547	992,133	2,098,498	5,507,827	3,400,329	615
	1927	39	561	1,379,971	2,330,377	5,745,472	3,416,095	998
	1925	33	391	853,652	1,519,007	3,578,210	2,058,303	413
	1923	17	210	429,772	634,622	1,025,683	691,046	162
	1921	17	169	361,302	491,682	1,214,480	722,798	(²)
	1919	18	149	237,603	504,655	1,007,033	582,378	104
	1914	7	88	89,359	124,577	326,965	202,388	65
Toys (not including children's wheel goods or sleds), games, and playground equipment.	1929	476	16,660	17,600,673	29,081,527	74,823,981	44,847,454	25,642
	1927	397	14,738	15,543,333	25,805,418	63,965,706	38,150,288	19,028
	1925	352	13,557	13,785,048	22,179,472	55,733,760	33,554,294	19,038
	1923	411	14,484	13,900,548	23,829,329	56,066,432	32,237,103	16,111
	1921	362	9,448	8,953,034	14,608,517	35,491,345	20,922,828	(²)
	1919	641	14,201	11,847,277	19,841,498	45,650,803	25,815,305	14,423
	1914	290	7,887	3,498,866	5,779,494	13,756,748	7,977,254	6,719
Umbrellas, parasols, and canes.....	1929	141	2,855	2,768,410	10,907,373	17,994,376	7,037,003	3,069
	1927	164	3,308	3,411,261	14,020,984	23,156,400	9,135,416	2,411
	1925	176	3,731	3,696,014	16,594,328	27,299,431	10,705,103	3,027
	1923	187	3,776	3,738,831	17,999,629	28,395,233	10,395,604	2,400
	1921	154	3,149	3,126,246	16,888,769	25,007,762	9,119,003	(²)
	1919	198	3,368	3,139,662	15,632,989	25,303,826	9,675,837	3,857
	1914	265	4,792	2,167,453	8,591,867	13,813,353	5,221,486	2,544

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 16.—SUMMARY FOR GROUP 16—MISCELLANEOUS INDUSTRIES: 1914 TO 1929—Continued

[See note at head of this table]

Industry	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	Horse-power
Other industries—Continued.								
Whips.....	1929	8	57	\$47,714	\$80,303	\$224,219	\$143,016	82
	1927	7	90	89,365	175,758	310,303	134,547	282
	1925	9	103	73,004	131,969	308,039	176,070	158
	1923	12	200	181,204	301,708	742,145	440,437	834
	1921	14	292	239,931	427,634	1,022,118	594,434	(?)
	1919	26	717	582,230	1,096,642	2,986,285	1,889,643	853
Window shades and fixtures.....	1914	40	1,163	559,448	1,340,943	3,161,910	1,820,967	1,071
	1929	482	4,708	5,623,588	19,785,350	36,964,694	17,179,344	8,389
	1927	386	4,733	5,855,781	21,065,474	37,081,087	16,016,463	8,679
	1925	336	5,176	6,207,820	25,029,474	41,657,681	16,628,207	11,151
All other industries ¹⁰	1923	305	5,957	6,325,750	20,521,217	47,640,082	18,118,865	11,450
	1921	242	3,781	4,421,041	17,887,660	20,647,761	11,760,101	(?)
	1919	287	4,411	3,669,286	18,249,540	29,190,649	10,941,109	8,946
	1914	286	4,077	2,180,585	11,888,569	17,444,120	5,555,551	6,594
	1923	5	633	1,013,469	13,036,334	15,526,266	1,899,632	1,330
All other industries ¹⁰	1921	10	1,506	2,076,812	9,885,981	16,245,323	6,359,342	(?)
	1919	95	17,004	25,087,440	130,713,376	208,597,484	77,884,108	97,766
	1914	82	6,486	4,719,000	64,002,000	76,504,000	12,442,000	11,900

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 See headnote.

⁴ At censuses prior to that for 1929 the manufacture of carbon paper and inked ribbons was included in the "Typewriters and supplies" industry, in Group 13. No comparable figures for years prior to 1927 are available.

⁵ Data for dental laboratories were included at censuses prior to that for 1929. The figures for 1927 as here presented have been adjusted for comparison with those for 1929.

⁶ No comparable figures are available for earlier years because of a change in classification.

⁷ No comparable figures are available for years prior to 1921.

⁸ Formerly classified as three industries: "Pens, steel and brass," Group 11; "Pens, gold," Group 12; "Pens, fountain and stylographic," Group 16.

⁹ Revised; revision not carried into total for subgroup or aggregate for group.

¹⁰ At the censuses for 1925 and subsequent years it was possible to present statistics for every industry covered by the census classifications, but for the preceding census years covered by this table it was necessary to combine the figures for certain unimportant industries in order to avoid disclosing data for individual establishments.