

CHAPTER IX.—AREAS, COUNTIES, AND CITIES

INTRODUCTION

More than half the manufacturing of the country (56 per cent), as measured by the number of wage earners employed, was carried on in 1929 in 97 counties. Within this small group of counties, representing only 3 per cent of the total number, was to be found 36 per cent of the total population of the country. These 97 counties of marked industrial concentration have been grouped by the census into 33 industrial areas, as described in "Industrial area," p. 11. (See also Tables 1 and 2.) Of the 93 cities having 100,000 inhabitants or more, as enumerated in 1930, 50 lie within these industrial areas and the remaining 43 are located outside.

The concentration of manufactures, as indicated by the large proportion of wage earners employed in the industrial areas, did not change materially in degree in the 30 years from 1899 to 1929, the number of wage earners credited to the same areas in 1899 having been 57 per cent of the total for the country.

Numerous developments might have been expected to change the proportion of manufactures between the group of 97 counties which compose the industrial areas and the 2,979 remaining counties. For example: From 1899 to 1929 the concentration of population in urban centers increased considerably. The proportion which the combined population of the 93 cities having 100,000 inhabitants or more in 1930 formed of the total population of the United States increased from slightly more than 22 per cent in 1900 to nearly 30 per cent in 1930; and during the same period the corresponding proportion for the 33 industrial areas increased from 27 to 36 per cent. Thus a considerable increase in the percentage of the total population which resided in these areas took place without a corresponding gain in the proportion of the total industry.

Furthermore, important changes in manufacturing processes and in products led to the decline of certain important industries and to the rise of new ones. From 1919 to 1929, for example, eight industries or industry combinations declined 20,000 or more each in number of wage earners employed, while ten industries or industry combinations gained 20,000 or more each. The shift of parts of the textile industry southward, the rise of automotive manufacture, and the development of industry in the South and on the Pacific coast also were major changes sufficient to affect the distribution of industry. Yet they did not disturb the wage-earner ratio established as early as

1899 between the industrial areas and the remainder of the country.

Looked at from a different angle, however, geographic decentralization may be said to have occurred to some extent. While the industrial areas have, it is true, retained for three decades a given proportion of the total wage jobs, their increase in population entitles them to an increased share of the total manufactures. In three decades the population of the country grew 62 per cent; in the 33 areas it increased 110 per cent. Fifty per cent of all the population gain which occurred in the country in a generation took place in these areas. Had factory employment increased as rapidly as did population, the industrial areas in 1929 would have had 73 per cent of the total of industrial wage earners instead of only 56 per cent. Whether, then, decentralization of industry as a whole may be said to have occurred in the past 30 years depends upon the criterion used for measuring such change.

Reference has already been made to the 43 cities with 100,000 or more population which are outside the 33 industrial areas. The industries in this group of cities reported a total of 620,462 wage earners for 1929, which, added to the number in the industrial areas, gives a combined total of 5,584,338, or approximately 63 per cent of the aggregate for the entire country.

Another grouping by means of which industrial concentration may be discerned is found in Table 5. This table gives statistics for the 155 counties in each of which 10,000 or more wage earners were employed in industry in 1929. The total of 6,236,964 shown for those counties constituted nearly 71 per cent of all the wage earners engaged in manufactures as reported for that year.

The various combinations of data for counties and cities indicate a marked degree of concentration of industry in large population centers and in areas in which there are relatively great aggregations of manufacturing establishments. The groupings in this report were not, however, designed to show changes from census to census in the geographic distribution of manufacturing industries, although such an arrangement by counties and cities has been made in another report,¹ in which data for the counties and cities of the United States have been grouped according to (1) areas of primary concentration, (2) areas of secondary concentration, and (3) areas of little or no concentration.

¹ A special study entitled "Location of Manufactures," prepared by Tracy E. Thompson, has been published by the Bureau of the Census.

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This selective combination of counties and cities of varying degrees of industrial concentration revealed a larger decentralized redistribution of industry between 1899 and 1929 than appears in comparative data for the 33 industrial areas.

Not only is the subject of industry redistribution of interest to individual communities which desire to

diversify or add to their manufactures, but—what is probably of larger importance—it concerns the economical utilization of specific national resources, the manufacture of factory commodities in convenient relation to consuming centers, and the attainment of economic balance among the several geographic divisions.

TABLE I.—GENERAL STATISTICS FOR INDUSTRIAL AREAS:¹ 1929

[See "Industrial area," p. 11]

AREA	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products	Cost of fuel and purchased electric energy	Value of products	Value added by manufacture
				Prime movers	Electric motors driven by purchased energy						
						Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
United States.....	210,969	1,358,775	8,838,743	20,155,397	22,775,664	3,595,064,001	11,620,973,254	36,683,414,013	1,866,165,719	70,434,863,443	31,885,283,711
Total for areas.....	109,721	879,152	4,963,875	9,775,309	12,486,495	2,442,365,383	7,236,792,815	22,506,714,663	1,131,719,760	43,849,750,726	20,211,310,307
New York City area.....	36,401	203,034	918,206	813,628	1,359,266	595,159,467	1,416,881,044	4,707,132,925	116,564,479	9,424,294,682	4,510,597,278
Chicago area.....	11,774	113,040	550,903	1,292,677	1,438,997	317,180,327	869,218,189	2,814,605,897	195,234,986	5,568,331,242	2,548,490,359
Philadelphia area.....	7,184	62,880	376,009	592,616	775,790	169,510,786	510,540,601	1,488,231,423	61,327,673	2,981,045,661	1,431,486,505
Detroit area.....	2,806	38,648	203,252	467,631	770,817	121,001,797	511,638,653	1,551,618,764	63,297,696	2,844,610,198	1,220,693,738
Boston area.....	6,394	48,896	285,652	470,120	468,328	128,024,960	371,694,731	938,566,995	37,991,060	1,950,417,516	973,868,561
Pittsburgh area.....	2,587	33,050	227,221	1,373,433	708,894	87,726,512	357,075,488	1,017,971,314	140,767,052	2,015,399,034	856,660,668
Providence-Fall River-New Bedford area.....	2,289	18,183	184,895	320,959	408,999	49,587,454	208,018,932	441,018,808	20,556,077	898,400,509	436,834,624
Cleveland area.....	2,012	28,079	176,840	490,743	498,484	82,084,226	276,161,077	708,633,968	61,576,967	1,505,490,392	735,270,457
St. Louis area.....	3,287	28,276	164,321	259,843	365,413	72,037,263	198,007,887	890,700,208	28,172,195	1,541,953,654	623,081,251
Milwaukee area.....	2,218	27,571	144,760	170,090	384,281	78,820,716	211,345,067	594,201,445	22,023,264	1,166,493,769	550,269,070
Bridgeport-New Haven-Waterbury area.....	1,808	21,899	136,147	188,812	317,683	55,421,159	180,875,135	398,620,660	10,281,386	862,311,307	444,400,271
Buffalo area.....	1,923	20,327	115,212	115,212	385,814	62,859,806	171,674,331	603,025,355	61,224,929	1,187,761,878	403,501,594
Los Angeles area.....	4,908	31,167	114,480	81,005	457,826	110,712,561	175,812,298	695,506,866	13,831,246	1,319,386,486	609,048,374
Cincinnati area.....	2,373	19,942	114,065	190,704	284,492	52,165,178	157,583,726	478,214,297	16,018,429	933,290,890	439,058,164
Baltimore area.....	2,211	16,558	99,601	215,243	288,277	39,126,675	119,016,764	576,684,590	30,162,824	940,853,476	343,010,062
San Francisco-Oakland area.....	3,903	20,267	93,797	70,717	439,237	49,024,527	138,059,176	687,959,928	14,604,172	1,165,683,465	463,059,305
Worcester area.....	1,144	11,251	83,620	104,043	201,734	31,015,420	105,059,701	206,949,187	11,769,078	462,225,239	243,516,974
Youngstown area.....	612	9,608	78,903	722,846	448,395	25,886,613	138,076,535	436,586,568	67,441,487	823,532,610	319,504,615
Akron area.....	359	10,260	67,298	172,321	181,139	25,798,359	107,253,929	308,369,142	9,290,761	599,063,205	281,393,402
Hartford area.....	674	9,397	65,482	62,728	144,202	25,185,630	89,977,178	115,623,018	7,145,404	351,491,271	179,823,854
Minneapolis-St. Paul area.....	1,958	13,825	65,145	151,344	157,003	33,785,903	84,462,389	422,607,459	12,386,231	709,820,325	274,835,635
Rochester area.....	1,052	11,056	63,245	43,902	91,812	32,328,501	88,898,033	160,861,237	7,012,652	420,610,921	252,736,732
Albany-Schenectady-Troy area.....	699	9,696	63,112	104,852	210,822	33,762,871	90,807,246	170,182,395	9,567,669	367,471,954	187,721,890
Allentown-Bethlehem area.....	705	6,789	58,483	416,137	152,446	18,216,006	76,490,269	175,627,865	29,538,143	396,185,282	191,019,274
Springfield-Holyoke area.....	667	8,938	54,208	120,735	131,278	23,490,588	70,847,652	153,765,332	7,595,179	351,491,271	179,823,854
Toledo area.....	625	7,005	53,996	59,737	141,746	22,190,016	70,925,863	256,014,456	10,483,704	479,336,121	212,837,961
Indianapolis area.....	917	9,892	51,117	36,473	117,637	25,964,751	67,712,913	280,491,039	7,652,640	428,362,044	180,918,419
Kansas City area.....	1,169	10,148	48,332	56,633	158,098	24,188,052	63,705,471	503,267,055	8,071,412	741,237,997	229,899,530
Seattle-Tacoma area.....	1,757	7,635	47,449	87,639	205,549	19,756,280	66,065,354	221,510,088	6,308,542	389,775,019	161,960,389
Reading area.....	578	4,272	47,350	49,095	75,520	12,061,862	61,879,198	97,336,420	6,890,926	220,028,386	124,831,040
Wheeling area.....	527	4,480	45,906	265,965	180,636	11,596,284	70,728,962	158,838,221	20,483,268	319,433,328	140,066,839
Dayton area.....	521	7,855	42,591	33,233	84,663	21,023,503	64,793,012	115,588,747	3,350,536	330,318,581	211,429,298
Scranton-Wilkes-Barre area.....	769	4,548	42,268	30,734	65,247	11,169,880	41,515,994	89,409,066	3,783,603	185,961,766	92,759,097

¹ Industrial areas by constituent counties:

New York City area: Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N. Y.; Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N. J.
 Chicago area: Cook, DuPage, Kane, Lake, and Will Counties, Ill.; Lake County, Ind.
 Philadelphia area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa.; Burlington, Camden, and Gloucester Counties, N. J.
 Detroit area: Oakland and Wayne Counties.
 Boston area: Essex, Middlesex, Norfolk, and Suffolk Counties.
 Pittsburgh area: Allegheny, Beaver, Washington, and Westmoreland Counties.
 Providence-Fall River-New Bedford area: Providence County, R. I.; Bristol County, Mass.
 Cleveland area: Cuyahoga and Lorain Counties.
 St. Louis area: St. Louis City and St. Louis County, Mo.; Madison and St. Clair Counties, Ill.

Milwaukee area: Kenosha, Milwaukee and Racine Counties.
 Bridgeport-New Haven-Waterbury area: Fairfield and New Haven Counties.
 Buffalo area: Erie and Niagara Counties.
 Los Angeles area: Los Angeles County.
 Cincinnati area: Butler and Hamilton Counties, Ohio; Campbell and Kenton Counties, Ky.
 Baltimore area: Baltimore City and Baltimore County.
 San Francisco-Oakland area: Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties.
 Worcester area: Worcester County.
 Youngstown area: Mahoning and Trumbull Counties, Ohio; Lawrence and Mercer Counties, Pa.
 Akron area: Summit County.
 Hartford area: Hartford County.
 Minneapolis-St. Paul area: Dakota, Hennepin, and Ramsey Counties.

Rochester area: Monroe County.
 Albany-Schenectady-Troy area: Albany, Rensselaer, and Schenectady Counties.
 Allentown-Bethlehem area: Lehigh and Northampton Counties.
 Springfield-Holyoke area: Hampden County.
 Toledo area: Lucas County.
 Indianapolis area: Marion County.
 Kansas City area: Clay and Jackson Counties, Mo.; Wyandotte County, Kans.
 Seattle-Tacoma area: King and Pierce Counties.
 Reading area: Berks County.
 Wheeling area: Brooke, Hancock, and Ohio Counties, W. Va.; Belmont, Columbiana, and Jefferson Counties, Ohio.
 Dayton area: Montgomery County.
 Scranton-Wilkes-Barre area: Lackawanna and Luzerne Counties.

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TABLE 2.—SUMMARY FOR INDUSTRIAL AREAS, RANKED ACCORDING TO NUMBER OF WAGE EARNERS: 1929

[See "Industrial area," p. 11]

AREA	Number of counties	Population	Number of establishments	WAGE EARNERS			COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			VALUE OF PRODUCTS			VALUE ADDED BY MANUFACTURE		
				Number (average for the year)	Rank	Per cent of U. S. total	Amount	Rank	Per cent of U. S. total	Amount	Rank	Per cent of U. S. total	Amount	Rank	Per cent of U. S. total
United States.....	1 3,076	122,775,046	210,959	8,838,743	---	100.0	38,549,570,732	---	100.0	70,434,863,443	---	100.0	31,885,283,711	---	100.0
Total for industrial areas.....	97	44,116,053	109,721	4,063,875	---	56.2	23,638,434,419	---	61.3	43,849,760,720	---	62.3	20,211,316,307	---	63.4
New York City area.....	12	10,160,159	86,401	918,206	1	10.4	4,913,697,404	1	12.7	9,424,204,682	1	13.4	4,510,597,278	1	14.1
Chicago area.....	6	4,675,877	11,774	550,903	2	0.2	3,009,840,883	2	7.8	5,558,331,242	2	7.9	2,548,490,359	2	8.0
Philadelphia area.....	8	3,137,040	7,184	376,000	3	4.3	1,549,559,096	4	4.0	2,981,045,061	3	4.2	1,431,480,565	3	4.5
Philadelphia area.....	2	2,100,197	2,806	293,252	4	3.3	1,614,916,400	3	4.2	2,844,610,198	4	4.0	1,229,693,738	4	3.9
Detroit area.....	4	2,611,926	6,394	285,652	5	3.2	976,548,955	6	2.5	1,950,417,516	6	2.8	973,868,561	5	3.1
Boston area.....	4	2,023,269	2,587	227,221	6	2.6	1,158,738,366	5	3.0	2,015,399,034	5	2.9	858,660,668	6	2.7
Pittsburgh area.....	2	904,606	2,289	184,895	7	2.1	461,674,885	17	1.2	898,409,500	15	1.3	436,834,624	15	1.4
Providence-Fall River-New Bedford area.....	2	1,310,661	2,012	176,840	8	2.0	770,213,935	8	2.0	1,505,490,392	8	2.1	735,276,457	7	2.3
Cleveland area.....	4	1,335,158	3,287	154,321	9	1.7	918,872,403	7	2.4	1,541,953,654	7	2.2	623,081,251	8	2.0
St. Louis area.....	3	878,757	2,218	144,760	10	1.6	616,224,699	12	1.6	1,166,493,769	10	1.7	550,269,070	10	1.7
Milwaukee area.....	2	850,151	1,808	136,147	11	1.5	417,911,036	19	1.1	862,311,307	16	1.2	444,400,271	13	1.4
Bridgeport-New Haven-Waterbury area.....	2	611,737	1,023	115,212	12	1.3	664,250,284	11	1.7	1,157,751,873	12	1.6	403,501,594	11	1.5
Buffalo area.....	1	2,208,492	4,908	114,480	13	1.3	710,338,112	9	1.8	1,319,386,486	9	1.9	609,048,374	9	1.9
Los Angeles area.....	4	870,365	2,373	114,068	14	1.3	494,232,726	16	1.3	933,290,890	14	1.3	439,058,164	14	1.4
Cincinnati area.....	2	929,439	2,211	99,601	15	1.1	600,837,414	13	1.6	940,853,476	13	1.3	343,016,062	16	1.1
Baltimore area.....	5	1,306,938	3,903	93,707	16	1.1	702,624,100	10	1.8	1,165,683,465	11	1.7	463,059,365	12	1.5
San Francisco-Oakland area.....	1	491,242	1,144	83,620	17	.9	218,708,265	24	.6	462,225,239	22	.7	243,516,974	21	.8
Worcester area.....	4	555,700	612	78,903	18	.9	504,027,995	15	1.3	823,532,610	17	1.2	319,504,615	17	1.0
Youngstown area.....	1	344,131	359	67,298	19	.8	317,659,893	20	.8	596,053,295	20	.9	281,363,402	18	.9
Akron area.....	1	421,097	674	65,482	20	.7	122,768,417	30	.3	351,491,271	28	.5	228,722,854	23	.7
Hartford area.....	3	839,098	1,658	65,148	21	.7	434,993,690	18	1.1	709,829,325	19	1.0	274,835,635	19	.9
Minneapolis-St. Paul area.....	1	423,881	1,052	63,246	22	.7	167,874,189	28	.4	420,610,921	24	.6	252,736,732	20	.8
Rochester area.....	3	456,755	690	63,112	23	.7	179,750,064	27	.5	367,471,954	27	.5	187,721,890	28	.6
Albany-Schenectady-Troy area.....	2	342,197	705	58,483	24	.7	205,166,008	25	.5	396,185,282	25	.6	191,019,274	26	.6
Allentown-Bethlehem area.....	1	335,496	667	54,203	25	.6	161,360,511	29	.4	341,184,468	29	.5	179,823,957	29	.6
Springfield-Holyoke area.....	1	347,709	625	53,996	26	.6	266,498,100	21	.7	479,336,121	21	.7	212,837,961	24	.7
Toledo area.....	1	422,666	917	51,117	27	.6	238,443,585	22	.6	428,362,004	23	.6	189,918,419	27	.6
Indianapolis area.....	3	638,476	1,160	48,332	28	.5	511,338,467	14	1.3	741,237,997	18	1.1	229,899,530	22	.7
Kansas City (Missouri and Kansas) area.....	2	627,359	1,757	47,440	29	.5	227,818,630	23	.6	389,775,019	26	.6	161,956,389	30	.5
Seattle-Tacoma area.....	1	231,717	578	47,350	30	.5	104,197,346	32	.3	229,028,386	32	.3	124,831,040	32	.4
Reading area.....	6	394,761	537	45,906	31	.5	179,366,489	26	.5	319,433,328	31	.5	140,665,859	31	.4
Wheeling area.....	1	273,481	521	42,591	32	.5	118,889,233	31	.3	330,318,581	30	.5	211,429,298	25	.7
Dayton area.....	2	755,506	760	42,268	33	.5	93,192,669	33	.2	185,951,766	33	.3	92,750,097	33	.3
Scranton-Wilkes-Barre area.....															

¹ The independent cities of Baltimore and St. Louis are here treated as counties. The independent cities in Virginia are not, however, classed separately but are treated as parts of the counties by which they are surrounded. Each of the 5 boroughs of Greater New York is a separate county.

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TABLE 3.—GENERAL STATISTICS FOR SELECTED COUNTIES: 1929

[See "Selected counties," p. 11]

STATE AND COUNTY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products	Cost of fuel and purchased electric energy	Value of products	Value added by manufacture
				Prime movers	Electric motors driven by purchased energy						
						Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
United States, aggregate.....	210,959	1,358,775	8,838,743	20,155,397	22,775,064	3,595,064,061	11,620,973,254	36,683,414,013	1,866,165,719	70,434,863,443	31,885,283,711
Selected counties—											
Total.....	186,552	1,097,081	6,538,456	12,947,661	16,523,088	2,981,285,259	9,101,302,170	28,687,195,652	1,427,294,590	55,676,620,055	25,502,129,813
Per cent of aggregate for United States.....	88.4	80.7	74.0	64.2	72.5	82.9	78.8	78.2	76.5	79.0	80.2
Alabama, total for State.....	2,848	10,475	119,569	400,224	385,106	24,385,360	102,004,881	260,853,732	41,399,656	560,378,132	258,124,744
Total for selected counties.....	495	5,379	88,740	240,136	190,888	12,719,704	44,956,423	116,395,020	32,866,272	275,162,847	125,901,555
Etowah County.....	76	604	7,166	47,994	20,421	1,102,033	7,031,950	16,275,356	2,917,273	33,883,302	14,690,673
Jefferson County.....	419	4,775	31,544	192,142	170,467	11,617,671	37,924,473	100,119,664	29,948,999	241,279,545	111,210,882
Arizona, total for State ¹	348	1,659	10,550	134,426	46,211	4,208,292	15,074,528	159,518,783	8,194,812	200,002,217	32,288,622
Arkansas, total for State.....	1,731	4,542	44,205	134,395	88,039	9,942,940	39,503,121	112,303,093	4,345,382	210,903,228	94,254,753
Total for selected county (Pulaski).....	177	970	6,776	8,749	23,066	2,246,435	7,352,309	28,201,123	870,114	45,264,890	16,103,663
California, total for State.....	12,019	62,018	290,911	338,629	1,230,457	184,048,164	423,099,248	1,709,770,843	44,381,496	3,103,340,668	1,349,101,320
Total for selected counties.....	9,407	53,666	223,367	159,306	942,369	165,038,691	330,250,893	1,450,769,147	30,363,297	2,614,051,230	1,123,923,786
Alameda County.....	1,116	6,045	30,711	18,289	138,889	14,985,346	42,658,040	182,801,656	4,230,791	339,274,492	152,242,045
Contra Costa County.....	113	2,026	13,029	30,832	119,942	5,228,127	20,477,928	215,428,652	3,014,041	289,458,874	70,116,181
Los Angeles County.....	4,908	31,167	114,480	81,005	467,826	110,712,561	175,812,298	696,506,866	13,831,248	1,319,386,486	609,048,374
Marin County.....	50	106	785	1,427	4,234	224,668	971,786	2,860,552	247,497	5,740,630	2,642,481
San Diego County.....	300	882	4,239	3,323	20,017	1,929,754	5,706,033	19,524,006	923,518	37,889,079	17,440,955
San Francisco County.....	2,526	11,332	45,482	19,994	138,278	26,822,885	67,911,982	257,074,625	4,836,863	483,712,296	221,800,808
San Mateo County.....	98	708	3,790	1,675	37,894	1,763,501	6,039,440	29,804,443	1,434,980	47,497,273	16,257,850
Santa Clara County.....	296	1,350	10,851	4,261	25,289	3,371,749	10,682,386	55,777,747	939,361	91,092,200	34,375,092
Colorado, total for State.....	1,548	6,223	32,890	185,853	98,373	13,680,172	43,640,403	170,113,113	13,626,440	306,071,031	122,331,478
Total for selected counties.....	862	4,056	22,070	63,158	53,493	9,340,849	29,614,607	110,677,529	9,452,749	200,523,019	80,302,741
Denver County.....	781	3,485	16,239	17,120	44,315	7,860,775	20,910,625	81,123,018	2,056,335	144,613,574	61,434,221
Pueblo County.....	81	571	5,831	40,038	9,178	1,480,074	8,703,982	29,554,511	7,396,414	55,909,445	18,968,520
Connecticut, total for State.....	3,129	36,155	251,861	881,878	527,361	93,480,036	328,865,412	633,379,231	32,282,085	1,471,876,604	806,214,288
Total for selected counties.....	2,939	34,841	240,940	365,261	512,589	90,388,350	316,578,683	607,400,553	31,078,858	1,413,228,541	774,749,130
Fairfield County.....	766	10,163	58,829	72,026	119,844	25,926,098	79,238,389	181,461,818	6,865,930	387,194,931	198,867,183
Hartford County.....	674	9,397	65,482	62,728	144,202	25,185,630	80,977,178	115,623,013	7,145,404	351,491,271	228,722,854
Litchfield County.....	129	1,391	11,939	20,140	15,192	3,136,559	14,833,623	26,973,265	1,392,516	62,592,287	34,226,506
New Haven County.....	1,042	11,646	77,318	110,786	197,839	29,495,061	101,636,746	217,167,832	12,415,456	475,116,376	245,533,088
New London County.....	224	1,530	16,578	46,924	25,333	4,794,655	19,634,218	38,096,059	2,264,163	86,330,899	45,976,687
Windham County.....	107	714	10,747	46,651	10,179	1,850,437	11,256,429	28,078,566	995,399	50,496,777	21,422,812
Delaware, total for State.....	460	3,004	23,552	59,802	55,159	8,344,542	29,062,739	76,110,568	4,380,170	149,642,042	69,151,304
Total for selected county (New Castle).....	264	2,662	19,711	52,475	51,258	7,507,437	26,336,261	67,073,080	4,150,144	132,165,319	60,942,095
District of Columbia ²	547	4,250	9,752	13,372	31,544	9,930,418	15,512,711	33,095,733	3,104,337	88,972,885	52,772,815
Florida, total for State.....	2,212	6,477	64,868	104,066	88,029	14,068,356	54,532,198	92,103,202	4,795,038	232,386,427	135,488,187
Total for selected counties.....	709	3,309	23,740	24,511	42,884	7,593,926	26,161,355	59,149,088	2,344,631	132,624,461	71,130,742
Dade County.....	210	841	2,368	2,754	10,850	1,664,619	3,318,501	4,456,493	523,131	14,708,222	9,728,598
Duval County.....	232	1,246	7,065	9,341	17,623	2,941,817	7,815,448	32,000,559	943,599	59,521,101	26,576,943
Hillsborough County.....	267	1,222	14,280	12,416	14,511	2,992,490	15,027,406	22,692,036	877,901	58,396,138	34,825,201
Georgia, total for State.....	4,179	12,960	158,774	253,523	388,376	30,238,560	110,435,016	412,632,695	15,172,363	722,453,803	204,648,715
Total for selected counties.....	660	5,176	36,929	38,536	112,300	13,070,156	33,316,958	148,187,668	4,506,914	268,310,354	115,615,772
Fulton County.....	570	4,400	24,744	27,896	74,387	11,136,177	24,539,633	120,408,690	3,179,183	214,785,945	91,198,072
Muscogee County.....	96	776	12,185	10,640	37,913	1,933,979	8,777,275	12,000,000	1,327,731	53,524,409	24,417,700
Idaho, total for State ¹	562	1,375	15,048	50,163	55,624	3,036,272	22,451,545	50,225,704	1,637,801	96,352,026	44,488,521
Illinois, total for State.....	15,333	135,952	691,555	1,222,555	1,584,440	368,721,898	1,024,870,235	3,198,957,624	153,096,855	6,282,002,240	2,930,037,761
Total for selected counties.....	12,805	122,886	601,907	1,065,624	1,400,625	338,914,468	921,113,217	2,898,696,486	188,732,259	5,702,905,996	2,665,477,251
Cook County.....	10,371	101,028	462,750	621,548	1,022,120	284,756,296	727,953,161	2,272,383,006	96,814,125	4,482,159,689	2,112,961,988
Du Page County.....	56	188	1,303	1,203	2,022	416,449	1,712,839	4,280,082	1,192,088	10,762,833	6,280,713
Kane County.....	264	2,743	16,201	17,802	21,922	6,928,016	21,080,070	35,057,574	1,303,542	59,875,977	53,514,861
Lake County.....	142	1,473	8,577	33,354	23,468	6,110,593	13,467,129	36,011,861	2,187,120	74,866,824	36,036,844
La Salle County.....	140	1,405	11,259	77,039	22,849	3,479,603	13,988,048	22,108,611	4,747,252	63,873,487	30,967,573
Madison County.....	198	2,996	22,089	115,814	63,873	7,281,699	32,885,462	150,410,817	9,454,789	258,804,982	92,933,376
Peoria County.....	202	1,920	8,473	27,284	35,058	4,749,874	11,459,051	57,285,940	2,788,307	101,952,359	41,898,112
Rock Island County.....	150	2,240	15,994	10,650	51,846	5,227,524	22,620,099	45,477,093	1,972,992	112,784,519	65,347,360
St. Clair County.....	282	2,738	17,361	48,937	61,343	6,352,894	22,635,410	145,654,953	3,990,672	214,992,985	104,120,232
Tazewell County.....	66	1,374	6,300	11,963	10,913	2,946,810	8,710,141	39,960,559	1,138,406	80,225,197	44,080,780
Will County.....	151	1,449	11,744	78,090	33,466	4,234,729	16,325,842	41,840,074	10,884,229	96,805,688	44,080,780
Winnebago County.....	283	3,332	19,916	22,440	42,310	8,460,005	28,291,371	43,178,716	2,628,737	115,812,461	70,005,008

See end of table for footnotes.

TABLE 3.—GENERAL STATISTICS FOR SELECTED COUNTIES: 1929—Continued

[See "Selected counties," p. 11]

Table with columns: STATE AND COUNTY, Number of establishments, Salaried officers and employees, Wage earners (average for the year), HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT (Prime movers, Electric motors driven by purchased energy), Salaries, Wages, Cost of materials and containers for products, Cost of fuel and purchased electric energy, Value of products, Value added by manufacture. Rows include Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, and Ohio, with various counties listed for each state.

See end of table for footnotes.

CENSUS OF MANUFACTURES: 1929

TABLE 3.—GENERAL STATISTICS FOR SELECTED COUNTIES: 1929—Continued

[See "Selected counties," p. 11]

STATE AND COUNTY	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT		Salaries	Wages	Cost of materials and containers for products	Cost of fuel and purchased electric energy	Value of products	Value added by manufacture
				Prime movers	Electric motors driven by purchased energy						
Vermont, total for State ¹	027	3, 119	27, 421	80, 508	83, 432	Dollars 8, 130, 403	Dollars 33, 809, 987	Dollars 62, 871, 755	Dollars 3, 391, 118	Dollars 143, 522, 547	Dollars 77, 259, 674
Virginia, total for State.....	3, 287	11, 313	120, 273	390, 508	255, 743	20, 263, 340	118, 088, 986	350, 109, 073	15, 715, 268	746, 910, 075	380, 085, 734
Total for selected counties.....	086	4, 903	42, 700	47, 988	110, 906	13, 040, 795	48, 272, 375	171, 148, 208	4, 465, 874	398, 580, 132	222, 065, 990
Henrico County and Richmond ⁴ city.....	321	2, 529	18, 336	13, 302	40, 370	6, 813, 609	19, 879, 810	93, 390, 118	2, 004, 750	243, 020, 870	147, 635, 002
Norfolk County and Norfolk ⁴ , Portsmouth ⁴ , and South Norfolk ⁴ cities.....	262	1, 618	12, 187	8, 498	46, 804	4, 280, 813	12, 963, 775	57, 408, 267	1, 539, 920	90, 128, 981	40, 180, 794
Roanoke County and Roanoke ⁴ city.....	103	816	12, 237	20, 188	14, 672	1, 046, 813	16, 428, 790	20, 349, 888	921, 204	50, 421, 281	35, 150, 194
Washington, total for State.....	3, 672	13, 910	114, 830	419, 732	395, 159	35, 904, 583	160, 670, 891	415, 134, 051	13, 278, 975	795, 561, 861	367, 148, 835
Total for selected counties.....	2, 222	9, 906	66, 354	165, 919	251, 639	25, 710, 433	93, 555, 899	288, 905, 356	8, 004, 554	519, 408, 950	222, 409, 040
Grays Harbor County.....	149	639	10, 854	60, 212	8, 681	2, 276, 551	10, 867, 809	29, 399, 614	434, 989	64, 480, 750	34, 646, 147
King County.....	1, 342	5, 691	29, 167	47, 600	108, 944	14, 823, 647	41, 785, 582	117, 382, 363	3, 720, 632	228, 854, 787	107, 251, 792
Pierce County.....	415	1, 044	18, 232	39, 939	96, 605	4, 932, 633	24, 269, 772	104, 127, 725	2, 587, 910	161, 420, 232	54, 704, 607
Spokane County.....	316	1, 032	8, 051	8, 168	37, 409	3, 677, 652	10, 632, 786	38, 085, 654	1, 261, 023	65, 153, 181	25, 806, 504
West Virginia, total for State.....	1, 488	8, 239	85, 326	379, 226	270, 973	20, 996, 351	115, 294, 705	232, 984, 404	23, 413, 382	513, 012, 300	251, 614, 514
Total for selected counties.....	280	2, 920	30, 806	133, 146	90, 622	7, 610, 220	46, 658, 362	102, 012, 013	12, 126, 173	214, 427, 790	100, 289, 604
Brooke County.....	23	301	3, 389	3, 595	24, 023	997, 659	5, 470, 114	9, 902, 142	3, 187, 972	24, 183, 793	11, 093, 670
Cabell County.....	100	887	8, 479	8, 078	39, 001	2, 271, 345	11, 200, 846	25, 097, 766	1, 610, 649	53, 768, 167	27, 059, 752
Hancock County.....	45	535	11, 204	109, 330	6, 800	1, 571, 788	10, 559, 051	33, 811, 707	6, 178, 430	75, 219, 211	35, 229, 074
Ohio County.....	118	1, 137	7, 764	12, 143	20, 798	2, 769, 428	10, 428, 351	33, 200, 398	1, 149, 122	61, 256, 619	26, 007, 099
Wisconsin, total for State.....	7, 431	44, 652	264, 745	618, 932	620, 462	115, 033, 424	352, 490, 803	1, 161, 664, 893	45, 175, 194	2, 156, 681, 769	949, 841, 682
Total for selected counties.....	2, 680	30, 234	165, 251	221, 094	380, 792	30, 279, 043	235, 262, 280	656, 015, 040	24, 335, 660	1, 285, 286, 900	604, 386, 200
Kenosha County.....	62	847	11, 544	17, 895	28, 528	3, 660, 998	18, 410, 702	58, 691, 832	1, 688, 433	97, 682, 456	37, 204, 191
Milwaukee County.....	1, 939	23, 410	117, 658	130, 060	291, 621	62, 237, 660	170, 962, 354	460, 428, 914	17, 745, 018	912, 261, 503	434, 087, 571
Racine County.....	217	3, 314	15, 558	22, 741	34, 102	7, 922, 058	21, 972, 011	75, 080, 699	2, 591, 808	156, 649, 310	78, 977, 308
Sheboygan County.....	248	1, 180	10, 000	16, 632	10, 228	2, 754, 476	12, 478, 285	28, 027, 622	1, 315, 233	55, 548, 246	26, 205, 391
Winnebago County.....	214	1, 483	10, 491	33, 766	16, 313	3, 704, 451	11, 438, 928	33, 785, 973	1, 547, 178	63, 244, 885	27, 911, 730
Wyoming, total for State ¹	248	800	6, 258	28, 715	17, 962	2, 288, 632	10, 255, 365	60, 033, 573	2, 686, 511	96, 348, 076	33, 627, 992

¹ No county in this State is industrially important. See "Selected counties," p. 11.² The District of Columbia is coextensive with the city of Washington and is not divided into counties.³ The independent cities of Baltimore and St. Louis are treated as counties.⁴ All cities in Virginia are independent but for manufactures-census purposes are treated as parts of the counties by which they are surrounded.

AREAS, COUNTIES, AND CITIES

TABLE 4.—PRINCIPAL INDUSTRIAL COUNTIES, WITH RANK ACCORDING TO NUMBER OF WAGE EARNERS, BY STATES: 1929

[For summary statistics for these counties, see Table 5.]

State and county ¹	Rank of county	State and county ¹	Rank of county	State and county ¹	Rank of county
ALABAMA		MASSACHUSETTS—continued		OHIO—continued	
Jefferson (including Birmingham).....	48	Essex (including Lawrence and Lynn).....	18	Lucas (including Toledo).....	30
CALIFORNIA		Hampden (including Springfield and Holyoke).....	29	Mahoning (including Youngstown).....	44
Alameda (including Oakland).....	52	Middlesex (including Cambridge and Lowell).....	12	Montgomery (including Dayton).....	35
Contra Costa.....	123	Norfolk.....	78	Scioto.....	143
Los Angeles (including Los Angeles city).....	9	Plymouth (including Brockton).....	76	Stark (including Canton).....	43
San Francisco (coextensive with San Francisco city).....	34	Suffolk (including Boston).....	20	Summit (including Akron).....	23
Santa Clara.....	146	Worcester (including Worcester city).....	19	Trumbull.....	82
COLORADO		MICHIGAN		OREGON	
Denver (coextensive with Denver city).....	102	Calhoun.....	135	Multnomah (including Portland).....	67
CONNECTICUT		Genesee (including Flint).....	46	PENNSYLVANIA	
Fairfield (including Bridgeport).....	26	Ingham (including Lansing).....	92	Allegheny (including Pittsburgh).....	6
Hartford (including Hartford city).....	24	Jackson.....	139	Beaver.....	58
Litchfield.....	134	Kalamazoo.....	181	Berks (including Reading).....	33
New Haven (including New Haven city and Waterbury).....	21	Kent (including Grand Rapids).....	50	Blair (including Altoona).....	97
New London.....	100	Muskegon (including Muskegon city).....	109	Cambria (including Johnstown).....	121
Windham.....	147	Oakland (including Pontiac).....	74	Chester.....	149
DELAWARE		Saginaw (including Saginaw city).....	114	Dauphin.....	88
New Castle (including Wilmington).....	87	Wayne (including Detroit).....	8	Delaware (including Chester).....	51
FLORIDA		MINNESOTA		Erie (including Erie city).....	73
Hillsborough (including Tampa).....	117	Hennepin (including Minneapolis).....	37	Lackawanna (including Scranton).....	99
GEORGIA		Ramsey (including St. Paul).....	68	Lancaster (including Lancaster city).....	72
Fulton (including Atlanta).....	66	MISSOURI		Lawrence.....	126
Muscogee.....	130	Jackson (including Kansas City).....	45	Lebanon.....	154
ILLINOIS		St. Louis city (not a part of any county).....	10	Lehigh (including Allentown).....	59
Cook (including Chicago).....	1	NEBRASKA		Luzerne.....	63
Kane.....	103	Douglas (including Omaha).....	101	Lycoming.....	133
La Salle.....	141	NEW HAMPSHIRE		Mercer.....	122
Madison.....	80	Hillsborough (including Manchester).....	56	Montgomery.....	41
Rock Island.....	104	NEW JERSEY		Northampton.....	47
St. Clair.....	95	Bergen.....	69	Northumberland.....	153
Will.....	137	Camden (including Camden city).....	40	Philadelphia (coextensive with Philadelphia city).....	4
Winnebago (including Rockford).....	86	Essex (including Newark).....	14	Schuylkill.....	132
INDIANA		Hudson (including Jersey City).....	15	Washington.....	115
Allen (including Fort Wayne).....	71	Mercer (including Trenton).....	70	Westmoreland.....	65
Delaware (including Muncie).....	148	Middlesex.....	27	York (including York city).....	53
Lake (including East Chicago).....	32	Passaic (including Paterson).....	23	RHODE ISLAND	
Madison (including Anderson).....	106	Union (including Elizabeth).....	57	Providence (including Providence city).....	11
Merion (including Indianapolis).....	31	NEW YORK		SOUTH CAROLINA	
St. Joseph (including South Bend).....	49	Albany.....	81	Greenville.....	105
Vanderburg (including Evansville).....	107	Bronx (Bronx Borough).....	64	Spartanburg.....	127
KANSAS		Broome.....	65	TENNESSEE	
Wyandotte (including Kansas City).....	118	Chautauqua.....	112	Davidson (including Nashville).....	85
KENTUCKY		Erle (including Buffalo).....	13	Hamilton (including Chattanooga).....	83
Jefferson (including Louisville).....	36	Herkimer.....	142	Knox (including Knoxville).....	108
LOUISIANA		Kings (Brooklyn Borough).....	7	Shelby (including Memphis).....	90
Orleans (coextensive with New Orleans).....	77	Monroe (including Rochester).....	25	TEXAS	
MAINE		Montgomery (including Amsterdam).....	136	Dallas (including Dallas city).....	120
Androscoggin.....	124	New York (Manhattan Borough).....	2	Harris (including Houston).....	79
York.....	144	Niagara (including Niagara Falls).....	75	Jefferson.....	116
MARYLAND		Oneida (including Utica).....	80	VIRGINIA	
Baltimore.....	119	Onondaga (including Syracuse).....	39	Henrico County and Richmond city ²	95
Baltimore city (not a part of any county).....	16	Orange.....	150	Norfolk County and Norfolk city ²	129
MASSACHUSETTS		Queens (Queens Borough).....	28	Roanoke County and Roanoke city ¹	128
Berkshire.....	84	Rensselaer (including Troy).....	113	WASHINGTON	
Bristol (including New Bedford and Fall River).....	22	Schenectady (including Schenectady city).....	62	Grays Harbor.....	145
MICHIGAN		Westchester (including Yonkers).....	61	King (including Seattle).....	54
Calhoun.....	135	NORTH CAROLINA		Pierce (including Takoma).....	96
Genesee (including Flint).....	46	Cabarrus.....	152	WEST VIRGINIA	
Ingham (including Lansing).....	92	Forsyth (including Winston-Salem).....	94	Hancock.....	140
Jackson.....	139	Gaston.....	93	WISCONSIN	
Kalamazoo.....	181	Gulfport (including High Point).....	91	Kenosha (including Kenosha city).....	138
Kent (including Grand Rapids).....	50	OHIO		Milwaukee (including Milwaukee city).....	8
Muskegon (including Muskegon city).....	109	Butler (including Hamilton).....	89	Racine (including Racine city).....	111
Oakland (including Pontiac).....	74	Clark (including Springfield).....	125	Sheboygan.....	155
Saginaw (including Saginaw city).....	114	Cuyahoga (including Cleveland).....	5	Winnebago.....	151
Wayne (including Detroit).....	8	Franklin (including Columbus).....	42		
		Hamilton (including Cincinnati).....	17		
		Lorain.....	110		

¹ The name of each county which includes 1 or more cities reporting 10,000 wage earners or more is followed by the name (in parentheses) of the most important city in the county, and in a few cases 2 important cities are named.
² Richmond is independent of Henrico County, but is nearly surrounded by it.
³ Independent city located within boundaries of county.

CENSUS OF MANUFACTURES: 1929

TABLE 5.—SUMMARY FOR PRINCIPAL INDUSTRIAL COUNTIES, RANKED ACCORDING TO NUMBER OF WAGE EARNERS: 1929

[This table presents statistics for each county which reported 10,000 wage earners or more, and for the independent cities of Baltimore and St. Louis, neither of which forms a part of any county. For list of these counties arranged by States, see Table 4]

COUNTY ¹	Population, 1930	Number of establishments	WAGE EARNERS (AVERAGE FOR THE YEAR)		Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture
			Number	Rank			
United States.....	122,775,046	210,959	8,838,743	-----	\$36,549,579,732	\$70,484,863,448	\$31,885,283,711
Total for counties listed.....	54,801,791	129,274	6,236,904	-----	28,435,935,223	52,922,688,462	24,480,753,239
Per cent of United States.....	44.6	61.3	70.6	-----	73.8	75.1	76.8
Cook (including Chicago), Ill.....	3,982,123	10,871	462,750	1	\$2,369,197,731	\$4,482,159,689	\$2,112,961,958
New York (Manhattan Borough), N. Y.....	1,867,312	20,797	323,230	2	1,942,634,397	3,986,308,844	2,043,669,447
Wayne (including Detroit), Mich.....	1,888,046	2,666	270,424	3	1,441,471,248	2,589,772,362	1,148,301,114
Philadelphia (coextensive with Philadelphia city), Pa.....	1,950,961	5,567	246,908	4	1,025,630,209	2,003,710,905	978,080,690
Cuyahoga (including Cleveland), Ohio.....	1,201,455	2,781	161,256	5	686,920,942	1,359,322,549	672,401,607
Allegheny (including Pittsburgh), Pa.....	1,374,410	1,959	155,374	6	811,955,398	1,400,762,248	588,806,850
Kings (Brooklyn Borough), N. Y.....	2,560,401	5,818	146,648	7	592,184,262	1,214,090,635	621,900,273
Milwaukee (including Milwaukee city), Wis.....	725,263	1,989	117,658	8	478,173,932	912,261,503	434,087,571
Los Angeles (including Los Angeles city), Calif.....	2,208,492	4,908	114,480	9	710,338,112	1,319,386,486	600,048,374
St. Louis city, Mo. (not a part of any county).....	821,960	2,708	109,010	10	583,580,649	1,022,713,490	439,132,841
Providence (including Providence city), R. I.....	540,016	1,495	108,275	11	293,594,348	578,723,645	285,129,297
Middlesex (including Cambridge and Lowell), Mass.....	934,924	1,642	97,269	12	358,290,536	681,355,680	323,045,144
Erie (including Buffalo), N. Y.....	782,408	1,630	92,607	13	557,842,360	945,571,524	387,729,164
Essex (including Newark), N. J.....	833,513	2,270	92,144	14	383,738,068	757,312,601	373,574,533
Hudson (including Jersey City), N. J.....	690,780	1,672	90,464	15	519,632,478	968,378,084	448,740,600
Baltimore city, Md. (not a part of any county).....	804,874	2,140	85,655	16	521,930,056	814,782,197	292,843,141
Hamilton (including Cincinnati), Ohio.....	589,356	2,018	85,421	17	388,846,143	729,019,068	340,172,943
Essex (including Lawrence and Lynn), Mass.....	498,040	1,397	83,897	18	284,080,811	463,552,485	220,521,074
Worcester (including Worcester city), Mass.....	491,242	1,144	83,620	19	218,708,265	462,225,239	243,516,974
Suffolk (including Boston), Mass.....	879,586	2,894	81,963	20	302,983,083	642,649,283	339,566,205
New Haven (including New Haven city and Waterbury), Conn.....	463,449	1,042	77,318	21	229,583,288	476,116,376	245,533,088
Bristol (including New Bedford and Fall River), Mass.....	364,690	794	76,620	22	167,980,537	319,685,864	151,705,327
Summit (including Akron), Ohio.....	344,131	359	67,293	23	317,669,893	599,053,295	281,893,402
Hartford (including Hartford city), Conn.....	421,097	674	65,482	24	122,768,417	351,491,271	228,732,854
Monroe (including Hartford), N. Y.....	423,881	1,052	63,248	25	167,874,189	420,610,921	252,736,732
Fairfield (including Bridgeport), Conn.....	386,702	766	58,329	26	188,327,748	387,194,931	198,867,183
Passaic (including Paterson), N. J.....	302,129	1,237	57,793	27	178,447,238	360,930,423	182,483,185
Queens (Queens Borough), N. Y.....	1,079,129	1,417	55,166	28	278,860,787	515,178,834	236,318,047
Hampden (including Springfield and Holyoke), Mass.....	335,496	667	54,208	29	161,360,511	341,184,468	170,823,957
Lucas (including Toledo), Ohio.....	347,709	625	53,995	30	266,498,160	479,336,121	212,837,961
Marion (including Indianapolis), Ind.....	422,666	917	51,117	31	238,443,585	428,362,004	189,918,410
Lake (including East Chicago), Ind.....	261,810	290	50,328	32	508,255,932	893,871,186	295,615,204
Berks (including Reading), Pa.....	231,717	578	47,350	33	104,197,346	229,023,386	124,851,040
San Francisco (coextensive with San Francisco city), Calif.....	634,394	2,626	45,482	34	281,911,488	483,712,296	221,800,808
Montgomery (including Dayton), Ohio.....	273,481	521	42,591	35	118,889,283	330,318,581	211,429,298
Jefferson (including Louisville), Ky.....	355,350	715	36,800	36	150,066,675	283,468,610	133,401,935
Hennepin (including Minneapolis), Minn.....	517,785	1,258	36,731	37	217,891,270	371,579,221	153,687,951
Middlesex, N. J.....	212,208	379	36,109	38	416,152,208	563,028,590	146,876,292
Onondaga (including Syracuse), N. Y.....	291,606	549	35,060	39	101,725,524	245,340,855	141,615,331
Camden (including Camden city), N. J.....	252,312	316	33,730	40	153,391,308	302,180,164	148,818,856
Montgomery, Pa.....	265,804	491	32,657	41	114,762,805	219,089,734	104,326,929
Franklin (including Columbus), Ohio.....	361,055	631	32,349	42	129,036,414	250,091,629	121,055,215
Stark (including Canton), Ohio.....	221,784	338	32,202	43	129,337,528	271,845,402	142,507,874
Mahoning (including Youngstown), Ohio.....	236,142	204	32,048	44	241,635,193	384,942,242	143,307,079
Jackson (including Kansas City), Mo.....	470,454	947	32,036	45	226,228,584	382,684,009	156,356,425
Genesee (including Flint), Mich.....	211,641	136	32,001	46	221,708,018	364,361,540	142,053,522
Northampton, Pa.....	169,304	306	31,747	47	110,505,067	220,901,129	110,895,522
Jefferson (including Birmingham), Ala.....	431,493	419	31,644	48	130,068,663	241,279,545	111,210,882
St. Joseph (including South Bend), Ind.....	160,033	236	31,400	49	93,150,504	191,580,370	98,430,316
Kent (including Grand Rapids), Mich.....	240,511	561	30,979	50	81,419,576	178,126,068	96,706,482
Delaware (including Chester), Pa.....	280,264	231	30,799	51	150,625,806	259,343,015	108,717,209
Alameda (including Oakland), Calif.....	474,883	1,116	30,711	52	187,032,447	339,274,492	152,242,045
York (including York city), Pa.....	167,135	586	30,331	53	71,803,918	180,795,240	88,091,322
King (including Seattle), Wash.....	463,517	1,342	29,167	54	121,102,995	228,354,787	107,251,792
Westmoreland, Pa.....	294,995	270	28,810	55	104,992,658	200,774,690	95,732,032
Hillsborough (including Manchester), N. H.....	140,165	360	28,650	56	84,244,337	142,083,828	67,839,491
Union (including Elizabeth), N. J.....	305,209	469	28,531	57	166,970,686	290,212,642	123,241,956
Beaver, Pa.....	149,062	208	28,438	58	169,700,644	294,772,430	125,071,786
Lehigh (including Allentown), Pa.....	172,893	399	26,736	59	94,660,401	176,284,153	80,623,752
Oneida (including Utica), N. Y.....	198,763	400	26,723	60	89,493,894	161,232,622	71,738,628
Westchester (including Yonkers), N. Y.....	520,947	522	26,136	61	170,260,863	291,008,158	120,747,295
Schenectady (including Schenectady city), N. Y.....	125,021	126	25,684	62	87,114,236	168,424,064	81,310,428
Luzerne, Pa.....	445,109	415	25,377	63	56,666,911	111,143,277	54,476,366
Bronx (Bronx Borough), N. Y.....	1,265,258	1,204	24,958	64	73,021,421	176,326,990	103,305,578
Broome, N. Y.....	147,022	217	24,937	65	83,781,390	150,298,407	66,487,017
Fulton (including Atlanta), Ga.....	318,587	570	24,744	66	123,587,873	214,785,945	91,198,072
Multnomah (including Portland), Oreg.....	338,241	1,087	24,427	67	109,849,523	196,707,713	86,858,190
Ramsey (including St. Paul), Minn.....	286,721	668	24,097	68	108,119,911	212,136,973	104,067,062
Bergen, N. J.....	364,977	406	23,775	69	131,366,000	209,174,243	77,808,243
Mercer (including Trenton), N. J.....	187,143	346	23,721	70	60,742,017	140,191,842	79,449,325
Allen (including Fort Wayne), Ind.....	146,743	209	23,306	71	70,715,215	140,855,093	70,139,878
Lancaster (including Lancaster city), Pa.....	196,882	495	23,300	72	77,710,972	156,750,777	78,039,805
Erie (including Erie city), Pa.....	175,277	366	23,022	73	71,264,611	162,522,818	91,258,207
Oakland (including Pontiac), Mich.....	211,251	140	22,828	74	173,445,212	254,837,836	81,392,624
Niagara (including Niagara Falls), N. Y.....	149,329	293	22,605	75	106,407,924	212,130,354	105,772,480
Plymouth (including Brockton), Mass.....	162,311	405	22,600	76	68,960,773	130,048,112	61,081,339
Orleans (coextensive with New Orleans), La.....	458,762	786	22,592	77	82,736,172	148,388,315	65,652,143
Norfolk, Mass.....	299,426	461	22,528	78	81,244,525	162,980,063	81,735,538
Harris (including Houston), Tex.....	359,328	475	22,131	79	191,729,349	285,227,185	93,497,836
Madison, Ill.....	143,830	198	22,089	80	165,871,036	288,804,982	92,933,370

¹ The name of each county which includes 1 or more cities reporting 10,000 wage earners or more is followed by the name (in parentheses) of the most important city in the county, and in a few cases 2 important cities are named.

AREAS, COUNTIES, AND CITIES

TABLE 5.—SUMMARY FOR PRINCIPAL INDUSTRIAL COUNTIES, RANKED ACCORDING TO NUMBER OF WAGE EARNERS: 1929—Continued

[This table presents statistics for each county which reported 10,000 wage earners or more, and for the independent cities of Baltimore and St. Louis, neither of which forms a part of any county. For list of these counties arranged by States, see Table 4]

COUNTY	Population, 1930	Number of establishments	WAGE EARNERS (AVERAGE FOR THE YEAR)		Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture
			Number	Rank			
Albany, N. Y.	211,953	370	21,954	81	\$59,572,473	\$127,774,340	\$68,201,867
Trumbull, Ohio	123,063	153	21,234	82	124,773,256	212,192,435	85,419,179
Hamilton (including Chautauqua), Tenn.	159,497	271	21,033	83	61,985,990	114,309,637	52,323,847
Berkshire, Mass.	120,700	177	20,115	84	51,234,879	110,935,084	59,700,205
Davidson (including Nashville), Tenn.	222,854	284	20,043	85	75,475,309	130,888,279	64,412,970
Winnabago (including Rockford), Ill.	117,373	283	19,916	86	45,807,453	115,812,461	70,005,008
New Castle (including Wilmington), Del.	161,032	264	19,711	87	71,223,224	132,165,319	60,942,095
Dauphin, Pa.	165,231	286	19,622	88	86,590,084	149,983,516	63,393,432
Butler (including Hamilton), Ohio	114,094	167	19,593	89	73,819,175	145,718,315	71,898,600
Shelby (including Memphis), Tenn.	306,482	473	19,521	90	113,214,694	191,694,645	78,480,051
Gulfport (including High Point), N. C.	133,010	235	19,269	91	56,070,058	96,728,261	40,658,203
Ingham (including Lansing), Mich.	116,587	158	19,132	92	140,660,233	222,628,301	75,868,068
Gaston, N. C.	78,093	130	18,444	93	40,039,658	69,083,052	28,443,394
Forsyth (including Winston-Salem), N. C.	111,681	116	18,405	94	104,882,178	305,914,870	201,032,692
Henrico County and Richmond city, ² Va.	213,239	321	18,336	95	95,394,868	243,029,870	147,635,002
Pierce (including Yakoma), Wash.	163,842	415	18,282	96	100,715,635	161,420,232	54,704,597
Blair (including Altoona), Pa.	130,840	147	18,047	97	50,207,933	97,206,642	40,998,709
St. Clair, Ill.	157,775	282	17,361	98	149,645,025	214,992,985	65,347,360
Lackawanna (including Scranton), Pa.	310,397	354	16,891	99	36,525,758	74,808,489	38,282,731
New London, Conn.	118,966	224	16,578	100	40,360,212	86,336,899	45,976,687
Douglas (including Omaha), Nebr.	232,982	445	16,330	101	280,042,267	355,035,084	75,593,417
Denver (coextensive with Denver city), Colo.	287,861	781	16,239	102	83,179,333	144,613,574	61,434,221
Kane, Ill.	125,327	204	16,201	103	36,361,110	80,875,977	53,614,861
Rock Island, Ill.	98,191	150	15,994	104	47,460,085	112,784,519	65,334,434
Greenville, S. C.	117,009	112	15,976	105	32,308,043	57,887,553	25,570,510
Madison (including Anderson), Ind.	82,888	140	15,962	106	43,405,659	102,708,881	59,303,222
Vanderburg (including Evansville), Ind.	113,320	223	15,917	107	52,614,338	99,640,166	47,025,828
Knox (including Knoxville), Tenn.	156,902	189	15,865	108	36,362,790	68,995,325	32,632,535
Muskegon (including Muskegon city), Mich.	84,630	129	15,716	109	39,642,364	80,140,648	49,498,284
Lorain, Ohio	109,206	131	15,584	110	83,292,993	146,167,843	62,874,850
Racine (including Racine city), Wis.	90,217	217	15,558	111	77,672,502	156,640,810	78,977,308
Chautauqua, N. Y.	126,457	294	15,508	112	48,651,758	97,732,181	49,030,423
Rensselaer (including Troy), N. Y.	119,781	203	15,474	113	33,063,355	71,272,950	38,209,595
Saginaw (including Saginaw city), Mich.	120,171	171	15,217	114	32,716,866	74,557,791	41,840,925
Washington, Pa.	204,802	150	14,599	115	72,089,606	119,089,666	47,000,000
Jefferson, Tex.	133,391	141	14,386	116	235,506,516	297,159,552	61,563,036
Hillsborough (including Tampa), Fla.	153,519	267	14,286	117	23,569,937	58,395,138	34,825,201
Wyandotte (including Kansas City), Kans.	141,211	170	14,035	118	258,684,006	316,873,605	55,189,599
Baltimore, Md.	124,661	71	13,946	119	84,898,358	135,071,279	50,172,821
Dallas (including Dallas city), Tex.	325,605	572	13,853	120	102,863,069	168,211,802	65,348,733
Cambria (including Johnstown), Pa.	203,146	158	13,665	121	84,377,239	130,428,843	40,051,604
Mercer, Pa.	99,246	139	13,233	122	75,231,059	120,132,251	44,901,192
Contra Costa, Calif.	78,008	113	13,029	123	219,342,693	289,458,874	70,110,181
Androscoggin, Me.	71,214	178	12,726	124	26,233,372	51,798,033	25,504,691
Clark (including Springfield), Ohio	90,936	170	12,437	125	58,386,107	112,093,650	53,707,549
Lawrence, Pa.	97,258	116	12,388	126	60,388,517	106,265,682	45,877,165
Spartanburg, S. C.	116,323	99	12,265	127	27,838,180	40,613,101	18,774,921
Roanoke County and Roanoke city, ³ Va.	104,495	103	12,237	128	21,271,087	56,421,281	35,150,104
Norfolk County and Norfolk city, ³ Va.	213,353	262	12,187	129	58,948,137	99,128,981	40,180,794
Muscogee, Ga.	57,558	96	12,185	130	20,106,709	53,524,409	24,417,700
Kalamazoo, Mich.	91,368	200	12,145	131	53,549,073	110,996,656	57,447,583
Schuylkill, Pa.	235,505	264	12,110	132	28,944,097	55,643,850	26,609,753
Lyconing, Pa.	93,421	180	12,005	133	41,437,612	78,073,506	36,635,894
Litchfield, Conn.	82,556	126	11,986	134	28,305,781	62,592,287	34,226,506
Calhoun, Mich.	87,043	117	11,869	135	43,957,430	109,557,454	65,600,024
Montgomery (including Amsterdam), N. Y.	60,076	113	11,851	136	37,170,399	68,516,751	31,346,352
Will, Ill.	110,732	151	11,744	137	52,724,903	96,805,683	44,080,780
Kenosha (including Kenosha city), Wis.	63,277	62	11,544	138	60,378,265	97,532,456	37,204,191
Jackson, Mich.	92,304	138	11,375	139	39,539,355	80,123,614	40,584,259
Hancock, W. Va.	28,511	45	11,264	140	39,990,137	75,219,211	35,229,074
La Salle, Ill.	97,695	140	11,259	141	26,915,863	63,873,437	36,957,574
Herkimer, N. Y.	64,006	115	11,246	142	18,579,672	53,195,981	34,016,309
Setoto, Ohio	81,221	82	11,229	143	32,036,732	56,987,550	24,950,797
York, Me.	72,934	129	10,976	144	21,253,225	44,318,353	23,065,128
Grays Harbor, Wash.	50,982	149	10,854	145	29,834,693	64,480,750	34,375,092
Santa Clara, Calif.	145,118	206	10,851	146	56,717,108	91,092,200	34,375,092
Windham, Conn.	54,086	107	10,747	147	34,388,724	70,581,593	21,422,812
Delaware (including Muncie), Ind.	67,270	123	10,720	148	48,058,647	79,688,534	36,192,839
Chester, Pa.	126,629	194	10,665	149	48,058,647	79,688,534	31,629,887
Orange, N. Y.	130,383	243	10,558	150	24,069,806	52,108,156	28,038,350
Winnabago, Wis.	76,622	214	10,491	151	35,333,140	63,244,885	27,911,789
Cabarrus, N. C.	44,331	42	10,481	152	18,656,421	30,351,920	11,695,505
Northumberland, Pa.	128,504	159	10,358	153	80,002,835	61,280,325	31,257,490
Lebanon, Pa.	67,103	180	10,146	154	26,196,956	48,152,065	21,955,109
Sheboygan, Wis.	71,235	248	10,000	155	29,342,855	55,548,246	26,205,391

² Richmond is independent of Henrico County, but is nearly surrounded by it.
³ Independent city located within boundaries of county.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
ALABAMA										
The State.....	2,646,248	2,848	119,559	785,330	\$102,004,881	\$302,253,388	\$260,853,732	\$41,399,656	\$500,378,132	\$258,124,744
<i>Counties</i>										
Autauga.....	19,694	13	576	1,366	420,476	981,150	947,300	33,850	2,202,633	1,221,483
Baldwin.....	28,289	58	1,188	2,036	628,608	646,579	609,295	37,284	2,353,604	1,707,025
Barbour.....	32,425	60	1,329	4,841	655,668	1,023,867	1,865,208	58,659	3,311,218	1,387,351
Bibb.....	20,780	23	292	969	174,476	222,185	205,996	16,189	603,670	380,885
Blount.....	28,020	13	304	2,068	222,730	234,841	197,823	37,018	640,199	414,358
Bullock.....	20,016	26	348	1,532	221,421	672,605	644,723	27,972	1,158,422	485,727
Butler.....	30,195	34	1,866	6,793	954,124	972,041	944,346	27,695	2,724,103	1,752,062
Calhoun.....	55,611	97	6,189	25,491	4,628,680	12,759,824	11,438,039	1,321,785	24,770,965	12,011,141
Chambers.....	39,313	29	4,370	21,965	2,912,156	14,849,256	14,316,041	533,215	21,560,976	6,711,720
Cherokee.....	20,219	11	38	379	17,555	17,600	17,300	200	62,500	45,000
Chilton.....	24,579	17	200	1,113	123,930	386,300	367,635	18,665	691,828	305,528
Choctaw.....	20,513	30	1,401	4,425	824,967	906,319	970,275	26,044	3,282,419	2,286,100
Clarke.....	26,016	25	1,495	3,482	985,460	456,649	419,605	37,044	2,204,740	1,748,091
Clay.....	17,768	41	196	1,049	100,854	322,998	319,323	3,675	570,148	247,150
Cleburne.....	12,877	21	119	844	71,660	70,467	70,095	372	200,431	129,964
Coffee.....	32,556	46	607	2,979	282,576	1,823,038	1,783,847	39,191	2,392,332	509,294
Colbert.....	29,860	26	825	1,902	933,077	1,337,995	1,264,587	73,408	2,967,605	1,629,610
Conecuh.....	25,429	20	135	1,147	83,438	263,774	261,434	2,340	494,666	230,892
Coosa.....	12,460	20	329	1,074	192,441	466,250	466,224	1,026	920,968	453,718
Covington.....	41,356	64	2,000	8,106	1,226,670	3,087,449	2,993,760	93,689	6,758,283	3,670,834
Crenshaw.....	23,656	28	325	1,447	186,851	303,586	301,029	2,557	800,779	497,193
Cullman.....	41,651	44	340	2,092	214,386	971,368	957,388	13,980	1,566,249	504,881
Dale.....	23,175	51	537	2,741	306,097	1,310,413	1,299,373	20,040	2,183,322	863,900
Dallas.....	55,094	42	1,674	7,457	1,289,897	5,583,853	5,397,838	180,015	8,255,330	2,671,977
Elmore.....	34,280	23	799	2,101	509,193	1,150,982	1,126,375	24,607	1,910,254	750,272
Escambia.....	27,963	26	2,113	5,016	1,337,873	649,289	621,181	28,108	2,791,046	2,141,757
Etowah.....	63,899	76	7,196	68,415	7,031,950	19,192,629	16,275,356	2,917,273	33,883,302	14,690,673
Fayette.....	18,443	45	628	2,968	374,195	1,041,311	1,009,384	31,927	2,097,217	1,056,906
Geneva.....	30,104	34	784	2,076	337,559	1,368,297	1,330,564	37,733	2,028,066	659,709
Greene.....	19,745	13	436	1,303	282,969	275,085	267,460	17,626	822,809	547,754
Hale.....	26,265	29	464	2,181	283,192	458,171	445,088	13,083	958,266	500,095
Honry.....	22,820	19	662	2,261	428,915	457,955	450,179	7,776	1,408,770	950,815
Houston.....	45,935	51	734	4,694	414,727	2,082,425	2,003,517	48,908	3,323,899	1,271,474
Jackson.....	36,881	33	964	2,182	553,313	1,470,196	1,439,439	180,757	2,477,230	1,007,043
Jefferson.....	431,493	419	31,544	302,609	37,924,473	130,068,693	100,119,664	29,948,999	241,270,645	111,210,882
Lamar.....	18,001	33	135	1,292	65,416	309,692	302,087	7,605	516,091	206,390
Lauderdale.....	41,130	33	970	3,435	631,657	2,149,145	2,063,309	85,836	3,625,032	1,478,887
Lawrence.....	20,942	6	30	158	15,510	18,375	18,375		74,500	56,125
Lee.....	36,663	29	1,089	6,079	695,884	2,385,892	2,280,938	98,754	4,114,933	1,729,241
Limestone.....	36,629	15	94	1,061	67,280	323,777	309,444	14,333	661,096	237,319
Lowndes.....	22,878	17	191	808	95,026	151,499	146,799	4,700	434,675	283,176
Macon.....	27,103	11	477	1,781	342,711	207,794	248,960	18,828	824,341	556,547
Madison.....	64,623	36	5,144	27,895	3,064,377	9,543,272	9,045,160	498,106	15,872,659	6,328,787
Marango.....	36,426	36	1,156	8,070	787,594	1,291,936	1,098,213	193,723	3,064,073	1,772,137
Marion.....	25,967	44	463	2,130	294,917	906,490	885,847	20,643	1,523,946	617,456
Marshall.....	39,802	20	308	2,698	198,170	558,979	532,330	26,649	1,008,970	449,991
Mobile.....	118,363	156	6,995	26,140	7,109,650	14,569,471	13,898,266	671,265	30,074,246	15,504,774
Monroe.....	30,070	12	1,255	2,629	699,373	325,467	302,707	22,760	1,042,881	1,317,414
Montgomery.....	98,671	119	4,415	20,675	3,882,216	13,979,878	13,408,786	571,092	20,217,157	12,287,279
Morgan.....	46,176	47	2,624	8,668	2,771,786	5,927,545	5,687,296	240,249	10,964,412	5,036,867
Perry.....	26,385	16	386	2,741	287,137	1,252,329	1,200,929	51,400	1,736,532	484,203
Pickens.....	24,902	52	373	2,240	220,955	581,571	561,396	20,175	1,122,420	540,855
Pike.....	32,240	36	831	4,149	515,447	1,421,150	1,398,098	23,092	2,554,108	1,132,618
Randolph.....	26,861	36	1,165	5,817	720,370	3,382,068	3,279,963	102,095	4,906,342	1,824,279
Russell.....	27,377	28	608	1,913	333,887	518,333	407,419	110,914	1,602,488	1,084,155
St. Clair.....	24,510	25	934	7,940	683,670	1,906,498	1,511,843	394,655	3,660,166	1,762,668
Shelby.....	27,576	25	587	2,500	358,072	713,133	605,882	107,251	1,768,528	1,055,393
Sumter.....	26,929	18	705	2,389	433,976	494,040	480,486	13,553	1,406,634	912,585
Talladega.....	45,241	45	3,399	22,993	2,201,464	8,284,083	7,838,223	445,860	13,080,072	4,802,019
Tallapoosa.....	31,188	61	3,621	14,224	2,122,020	8,629,508	8,414,978	214,525	14,904,146	6,274,643
Tuscaloosa.....	64,153	69	3,800	26,469	3,527,562	7,655,568	6,174,673	1,480,895	15,156,164	7,500,596
Walker.....	59,445	90	1,717	7,236	1,026,659	2,838,444	2,699,425	139,019	4,939,615	2,101,171
Washington.....	16,365	35	1,223	2,310	691,463	508,530	501,415	7,115	1,886,956	1,378,426
Wilcox.....	24,880	12	529	1,955	305,419	413,048	408,061	4,987	1,173,421	760,373
Winston.....	15,596	29	238	1,351	110,297	402,867	387,038	15,829	675,363	172,496
All other counties (De Kalb and Franklin).....	65,476	55	1,085	3,180	620,349	1,687,827	1,612,738	75,089	3,705,119	2,017,292

^a Not including salaried employees.^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year)*	Horse- power †	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
ARIZONA										
The State.....	435,573	348	10,550	180,637	\$15,074,528	\$167,713,595	\$150,518,783	\$8,194,812	\$200,002,217	\$32,288,622
<i>Counties</i>										
Cochise.....	40,998	27	1,844	54,506	2,771,857	54,246,522	51,701,593	2,544,959	59,390,459	5,143,937
Coconino.....	14,064	13	871	2,333	893,524	420,675	418,919	1,656	2,231,625	1,810,950
Gila.....	31,016	18	884	31,788	1,379,177	45,157,633	43,475,500	1,682,073	49,647,239	4,489,606
Graham.....	10,373	6	29	444	32,885	225,166	215,736	9,430	313,107	87,941
Maricopa.....	150,970	139	2,181	14,131	2,882,623	14,548,914	13,659,254	889,660	24,107,676	9,558,782
Mohave.....	5,572	5	12	69	27,545	39,265	35,393	3,872	100,295	61,030
Navajo.....	21,202	17	987	5,140	953,540	560,298	450,444	109,854	1,928,749	1,368,451
Pima.....	55,678	49	1,091	4,501	1,545,202	2,220,662	1,949,881	279,681	5,304,636	3,075,074
Santa Cruz.....	9,684	11	74	580	89,244	263,971	237,507	26,464	469,883	205,412
Yavapai.....	28,470	23	1,271	36,362	2,406,001	31,292,228	29,513,455	1,778,773	34,274,646	2,982,218
Yuma.....	17,816	15	176	1,536	290,107	883,553	318,010	65,543	1,021,763	638,210
All other counties †.....	49,732	25	1,430	29,241	1,802,823	18,345,908	17,543,061	802,847	21,212,789	2,806,831
ARKANSAS										
The State.....	1,854,482	1,731	44,205	223,034	\$39,503,121	\$116,648,475	\$112,303,093	\$4,345,382	\$210,903,228	\$94,254,753
<i>Counties</i>										
Arkansas.....	22,300	27	300	4,494	298,436	4,750,429	4,709,391	41,038	6,521,872	1,771,443
Baxter.....	9,519	11	94	253	92,524	84,299	81,479	2,820	251,601	167,302
Benton.....	35,253	55	345	1,741	179,583	1,147,502	1,117,451	30,051	1,735,888	588,386
Boone.....	14,937	20	228	1,081	226,298	281,239	260,372	20,867	642,137	360,898
Bradley.....	17,494	11	1,069	5,520	1,211,700	2,244,951	2,207,417	37,534	4,791,292	2,546,341
Calhoun.....	9,752	4	91	163	61,460	53,740	53,530	210	147,136	63,396
Carroll.....	15,820	40	309	1,126	103,967	559,201	553,034	6,167	877,860	318,659
Cheicot.....	22,646	12	245	1,331	196,858	259,581	255,226	4,355	711,722	452,141
Clark.....	24,932	26	932	3,804	579,893	2,275,727	2,243,694	32,033	3,287,898	1,012,171
Clay.....	27,278	19	174	1,085	128,298	204,825	197,914	6,911	463,423	258,598
Cleburne.....	11,373	12	121	800	79,029	145,998	145,602	396	343,174	107,176
Cleveland.....	12,744	9	104	317	69,190	57,290	55,050	2,240	193,327	139,037
Columbia.....	27,320	21	503	1,882	338,079	1,155,915	1,134,785	21,130	1,882,147	720,232
Conway.....	21,949	15	128	1,379	88,378	565,581	552,999	12,582	877,013	311,432
Craighead.....	44,740	40	602	2,941	530,356	1,378,492	1,334,559	43,933	2,679,797	1,301,305
Crawford.....	22,549	9	365	653	534,790	513,734	469,097	47,637	1,183,747	670,013
Crittenden.....	39,717	5	106	752	105,374	52,913	47,879	5,034	249,418	198,505
Cross.....	25,723	19	216	927	112,939	277,493	276,276	1,217	635,590	358,007
Dallas.....	14,671	26	781	4,076	706,172	696,879	683,963	12,916	2,284,963	1,588,084
Deshu.....	21,814	16	580	1,877	458,714	998,248	983,309	14,939	2,222,166	1,223,918
Draw.....	19,928	17	449	1,843	274,508	952,023	908,806	43,217	1,628,682	676,659
Faulkner.....	28,381	13	65	683	68,893	394,291	16,633	378,658	623,616	229,324
Franklin.....	15,762	7	14	83	8,148	57,114	59,014	1,100	89,324	32,210
Garland.....	36,031	47	939	4,904	708,254	871,080	792,804	78,282	2,799,004	1,927,918
Grant.....	9,834	17	347	1,400	275,702	228,620	227,677	849	864,654	636,028
Greene.....	26,127	21	610	1,859	516,025	781,528	760,779	20,747	1,674,196	892,670
Hempstead.....	30,847	14	590	2,006	421,937	1,898,097	1,333,168	64,929	2,329,990	928,893
Hot Spring.....	18,105	20	1,192	4,839	908,225	1,018,152	765,213	247,939	2,990,237	1,977,085
Independence.....	24,225	14	188	1,122	104,299	138,622	90,005	48,617	383,747	245,125
Jackson.....	27,943	18	230	1,428	193,994	701,867	673,711	28,156	1,103,987	401,220
Jefferson.....	64,154	62	2,463	17,868	2,573,483	7,887,432	7,104,339	283,092	12,769,322	5,381,890
Johnson.....	19,289	20	161	668	116,732	193,734	193,099	665	482,244	288,510
Lawrence.....	21,693	16	177	1,384	121,859	571,219	551,973	19,246	839,873	268,654
Lee.....	26,637	30	452	1,365	339,843	335,390	331,971	3,419	994,708	659,318
Lincoln.....	20,260	7	79	367	78,399	75,960	73,752	2,214	189,404	107,438
Logan.....	24,110	18	51	658	39,124	143,846	137,051	6,795	264,275	120,429
Madison.....	13,334	28	162	795	69,321	252,892	250,911	1,981	460,044	207,152
Marion.....	8,876	13	74	369	45,954	82,278	81,308	910	239,580	151,302
Miller.....	30,586	24	455	2,316	317,910	1,804,215	1,759,470	44,745	2,831,836	1,027,621
Mississippi.....	69,289	40	1,396	5,900	1,088,261	2,339,679	2,287,066	52,613	5,562,387	3,212,708
Monroe.....	20,651	21	337	1,172	260,846	771,977	760,844	6,133	1,529,418	757,441
Nevada.....	20,407	22	426	1,922	240,522	626,150	603,455	22,695	1,435,602	809,552
Newton.....	10,564	13	210	769	162,539	102,095	100,895	1,200	409,305	307,210
Ouchita.....	29,890	36	1,475	17,474	1,392,029	4,073,594	3,593,020	480,574	8,227,432	4,153,838
Perry.....	7,695	7	37	238	18,223	17,135	17,060	75	59,260	42,125
Phillips.....	40,683	41	2,499	8,737	2,139,189	5,846,419	5,689,157	157,262	10,908,653	5,062,284
Poinsett.....	29,695	23	1,524	6,897	1,525,108	1,179,738	1,172,431	7,257	4,056,606	2,876,802
Polk.....	14,857	24	316	1,317	220,071	416,214	407,893	7,321	913,372	498,158
Pope.....	26,547	39	430	3,145	343,046	767,305	684,828	82,477	1,499,965	732,660
Prairie.....	15,187	13	285	981	230,837	303,904	297,225	6,679	838,793	534,823
Pulaski.....	137,727	177	6,776	31,815	7,352,309	20,071,237	28,201,123	870,114	45,264,890	16,198,659
Randolph.....	16,871	8	132	665	96,046	119,911	110,707	3,204	322,250	202,399
St. Francis.....	33,394	23	405	2,485	271,718	1,778,782	1,734,742	44,040	2,619,391	837,609
Saline.....	15,660	20	609	2,923	465,213	1,041,126	964,699	76,426	1,900,678	850,552
Searcy.....	11,056	14	111	878	67,070	189,120	183,120	6,000	327,165	138,045

† Apache, Greenlee, and Pinal Counties; combined to avoid disclosing approximations of the data for individual establishments.

* Not including salaried employees.

† Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
ARKANSAS—Continued										
<i>Counties—Continued</i>										
Sebastian.....	54,420	94	3,412	12,388	\$3,158,828	\$10,041,408	\$10,064,577	\$676,831	\$18,951,161	\$8,309,753
Sevier.....	16,364	20	260	1,043	180,886	331,452	321,619	9,833	740,701	415,240
Stone.....	7,993	6	44	172	32,317	29,492	29,492		96,700	67,208
Union.....	55,800	51	2,046	10,227	2,368,628	15,214,696	14,665,183	549,513	23,352,876	8,138,180
Van Buren.....	11,962	8	55	335	37,936	28,303	27,873		114,465	86,162
Washington.....	39,255	73	996	2,634	490,719	1,811,494	1,762,859	48,635	3,134,525	1,323,031
White.....	38,269	28	347	1,701	233,456	434,095	476,170	7,925	967,028	482,093
Woodruff.....	22,682	11	231	1,902	156,390	233,536	209,635	13,901	629,308	345,772
Yell.....	21,313	14	51	362	35,086	48,107	46,440	1,667	121,987	73,880
All other counties ²	177,632	96	4,064	22,398	3,702,290	4,045,193	3,987,573	57,620	11,401,383	7,356,100

CALIFORNIA

The State.....	5,677,251	12,019	200,911	1,569,080	\$423,099,248	\$1,754,158,339	\$1,709,776,843	\$44,381,496	\$3,103,349,668	\$1,349,191,320
<i>Counties</i>										
Alameda.....	474,883	1,116	30,711	157,178	42,658,040	187,032,447	182,801,656	4,230,791	339,274,492	152,242,045
Amador.....	8,494	13	75	940	100,103	95,508	73,336	22,172	845,503	249,995
Butte.....	34,093	65	1,642	9,977	2,051,000	3,413,943	3,321,989	91,954	7,960,187	4,540,244
Colusa.....	10,258	14	51	592	50,650	345,513	330,235	15,278	535,202	189,740
Contra Costa.....	78,608	113	13,029	150,274	20,477,928	219,342,693	215,428,652	3,914,041	289,458,874	70,110,181
Del Norte.....	4,739	6	210	1,668	259,023	90,672	88,256	2,416	535,842	445,170
Eldorado.....	8,325	18	752	5,846	1,104,611	548,166	499,311	48,855	2,336,973	1,788,807
Fresno.....	144,379	200	5,878	29,151	7,024,006	30,254,402	29,586,983	667,469	52,404,328	22,149,028
Glenn.....	10,035	14	69	572	85,451	1,122,039	1,091,471	31,468	1,468,994	340,055
Humboldt.....	43,233	83	5,832	35,333	7,976,024	8,338,856	8,072,848	266,008	22,480,249	14,141,393
Imperial.....	60,003	47	472	7,591	701,164	3,041,068	3,304,275	336,793	6,101,402	2,480,424
Inyo.....	6,555	15	339	5,078	603,002	738,393	489,778	208,615	1,824,393	1,036,000
Kern.....	82,570	95	1,607	17,149	2,641,772	13,453,634	12,310,731	1,141,903	21,000,205	7,067,571
Kings.....	25,385	43	529	3,062	669,700	5,270,709	5,155,935	114,774	7,341,590	2,070,831
Lake.....	7,166	8	153	584	76,903	161,010	150,021	4,989	290,362	129,352
Lassen.....	12,589	16	4,053	19,304	6,047,010	2,010,488	1,968,289	42,199	10,951,729	8,941,241
Los Angeles.....	2,208,492	4,908	114,480	538,831	175,812,298	710,338,112	696,606,866	13,831,248	1,319,386,486	600,048,374
Madera.....	17,164	12	789	4,283	1,426,161	1,249,455	1,195,855	53,600	3,801,949	2,612,494
Marin.....	41,648	50	785	5,661	971,786	3,098,049	2,850,552	247,497	5,740,530	2,642,481
Mendocino.....	23,505	40	1,804	8,901	2,641,525	996,000	960,890	19,110	5,135,357	4,149,357
Merced.....	36,748	35	865	11,842	1,449,440	5,385,615	5,004,281	381,334	8,582,568	3,196,959
Modoc.....	8,038	14	221	1,180	381,397	561,864	557,113	4,751	1,336,039	774,195
Monterey.....	53,705	78	2,051	10,533	2,114,117	13,145,613	12,631,826	514,087	20,858,855	7,713,242
Napa.....	22,897	38	530	1,955	679,422	2,786,395	2,743,241	43,154	4,310,105	1,523,770
Nevada.....	10,596	22	689	8,530	903,204	1,426,680	1,213,724	212,956	2,528,370	1,101,690
Orange.....	118,674	197	2,038	10,344	2,723,477	13,178,820	12,751,465	427,364	22,267,741	9,088,912
Placer.....	24,468	22	1,484	9,149	2,137,916	2,749,707	2,490,210	259,497	6,530,292	3,780,585
Plumas.....	7,913	16	874	3,987	1,580,866	552,741	516,143	36,598	3,534,558	2,981,817
Riverside.....	81,024	90	1,079	13,940	2,654,887	5,017,033	4,810,651	806,382	12,289,332	6,672,299
Sacramento.....	141,999	240	8,603	32,446	11,819,597	36,552,910	35,338,665	1,214,245	63,883,997	27,380,187
San Benito.....	11,311	17	254	3,941	319,543	1,849,268	1,588,262	261,000	2,758,007	908,739
San Bernardino.....	133,909	164	5,270	32,626	7,686,336	14,606,878	11,965,544	2,633,034	35,044,528	20,437,950
San Diego.....	209,659	300	4,239	23,340	5,706,033	20,448,124	19,524,006	923,518	37,889,079	17,440,955
San Francisco (coextensive with San Francisco city).....	634,394	2,528	45,482	157,372	67,911,982	261,911,488	257,074,625	4,836,863	483,712,266	221,800,808
San Joaquin.....	102,940	180	4,185	33,061	5,513,667	20,521,189	19,607,464	913,725	37,020,323	16,499,134
San Luis Obispo.....	29,613	45	333	2,383	407,660	4,509,851	4,420,265	80,586	6,348,380	1,838,520
San Mateo.....	77,405	98	3,790	39,469	6,039,440	31,239,423	29,804,443	1,434,980	47,497,273	16,257,850
Santa Barbara.....	65,167	90	490	4,476	817,100	1,768,728	1,644,561	124,167	4,315,217	2,546,489
Santa Clara.....	145,118	296	10,851	29,550	10,682,386	56,717,108	55,777,747	989,361	91,092,200	34,376,092
Santa Cruz.....	37,433	78	1,256	18,298	1,779,138	3,548,354	2,824,448	723,906	8,374,184	4,825,830
Shasta.....	13,927	28	201	1,104	289,112	515,540	483,078	32,462	1,087,592	572,052
Sierra.....	2,422	6	567	3,658	1,025,548	435,728	411,509	24,219	1,803,281	1,427,553
Siskiyou.....	25,480	34	3,738	20,659	5,192,672	4,276,471	4,164,872	111,599	14,283,062	10,969,691
Solano.....	40,834	49	872	8,445	1,102,830	13,065,805	12,882,470	183,335	17,050,332	3,984,527
Sonoma.....	62,222	137	1,004	6,080	1,118,240	10,461,911	10,322,832	139,079	13,863,419	3,401,508
Stanislaus.....	56,641	96	1,047	10,218	2,151,487	15,053,408	14,636,226	417,182	21,742,168	6,688,760
Sutter.....	14,018	13	151	531	169,169	1,273,292	1,260,935	12,357	1,862,655	589,363
Tehama.....	13,806	20	231	1,059	305,615	458,121	423,526	34,595	1,062,264	604,143
Trinity.....	2,809	3	131	12	16,228	4,998	4,548	450	30,587	25,689
Tulare.....	77,442	84	867	5,663	963,488	5,174,811	4,999,932	174,829	8,053,910	2,879,105
Tuolumne.....	9,271	19	1,783	7,051	2,651,373	993,274	802,725	190,549	5,776,788	4,783,514
Ventura.....	54,976	56	525	9,653	805,238	8,111,450	7,870,376	241,083	11,703,553	3,592,094
Yolo.....	23,644	18	105	1,357	151,689	1,772,690	1,748,007	26,683	2,440,781	668,091
Yuba.....	11,331	10	223	2,437	180,029	1,061,754	951,299	110,458	1,803,058	741,304
All other counties ³	10,842	15	141	4,628	213,780	840,522	330,598	509,934	2,058,891	1,218,369

¹ Ashley, Fulton, Howard, Izard, Lafayette, Little River, Lonoke, Montgomery, Pike, Scott, and Sharp Counties; combined to avoid disclosing approximations of the data for individual establishments.

² Calaveras, Mariposa, and Mono Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing reported from Alpine County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
COLORADO										
The State.....	1,035,701	1,548	32,890	233,726	\$43,640,403	\$188,739,553	\$170,113,113	\$13,026,440	\$306,071,031	\$122,331,478
<i>Counties</i>										
Adams.....	20,245	20	726	5,466	804,580	3,940,862	3,794,448	155,414	5,949,286	1,999,424
Alamosa.....	8,602	12	306	1,113	400,999	909,301	880,264	29,037	1,617,218	707,917
Arapahoe.....	22,647	11	642	3,368	1,015,268	1,426,231	1,347,520	78,711	3,966,492	2,540,261
Archuleta.....	3,204	7	49	245	56,080	31,026	30,361	665	151,877	120,851
Bent.....	9,134	8	40	974	52,080	382,269	358,251	24,018	545,540	163,271
Boulder.....	32,456	37	564	4,696	670,986	3,639,955	3,439,125	200,830	6,366,986	2,727,031
Chaffee.....	8,126	10	291	1,023	511,918	1,351,201	1,306,473	44,728	2,131,128	779,927
Costilla.....	5,779	3	37	178	40,019	62,387	62,163	224	144,203	81,816
Delta.....	14,204	19	122	2,872	113,908	1,138,451	1,102,801	35,670	1,670,071	531,001
Denver (coextensive with Denver city).....	287,861	781	16,239	61,435	20,910,025	83,179,353	81,123,018	2,056,335	144,613,574	61,434,221
Eagle.....	3,924	3	15	133	16,800	7,080	6,532	548	31,533	24,453
El Paso.....	49,570	60	933	3,582	1,184,507	3,167,589	3,010,871	156,718	7,508,593	4,341,004
Fremont.....	18,898	23	467	11,869	658,914	3,225,771	2,798,486	427,285	5,348,961	2,123,190
Garfield.....	9,975	11	35	233	57,076	133,080	123,478	10,202	270,769	137,089
Gunnison.....	5,527	13	106	2,717	130,627	103,932	101,896	2,036	270,353	166,421
Huerfano.....	17,062	9	20	197	37,551	185,510	177,446	8,064	295,213	109,703
Jefferson.....	21,810	16	210	2,011	248,443	600,309	494,708	105,598	1,531,056	930,750
La Plata.....	12,975	20	229	3,710	137,476	3,167,421	3,011,859	155,562	4,020,197	852,776
Larimer.....	33,137	50	915	24,615	1,188,271	7,631,823	7,124,285	507,543	13,296,364	5,664,536
Las Animas.....	36,008	31	516	4,779	714,002	1,839,577	1,185,036	654,541	3,344,790	1,505,213
Lincoln.....	7,850	7	15	214	18,576	25,175	22,043	3,132	70,513	45,338
Logan.....	19,946	15	228	2,831	327,663	1,785,204	1,684,497	100,767	2,934,534	1,149,270
Mesa.....	25,908	30	408	1,668	519,246	1,788,720	1,732,064	56,656	2,893,052	1,074,332
Montrose.....	11,742	11	33	196	33,716	233,990	227,215	6,775	357,255	123,205
Otero.....	24,390	34	896	9,913	1,224,144	4,524,263	4,291,862	232,401	7,127,828	2,603,565
Phillips.....	5,797	5	9	60	11,206	41,192	39,592	1,600	94,996	53,804
Prowers.....	14,762	19	203	3,397	248,231	2,774,926	2,682,063	92,863	3,801,893	1,026,967
Pueblo.....	66,038	81	5,831	55,216	8,703,982	36,950,925	29,554,511	7,396,414	55,909,445	18,958,520
Rio Grande.....	9,953	14	76	506	99,789	439,060	432,311	6,749	707,947	268,687
Routt.....	9,352	17	112	321	122,403	151,368	145,679	5,689	353,252	201,884
Saguache.....	6,250	5	27	57	28,666	46,801	46,162	639	107,328	60,527
San Miguel.....	2,184	3	11	193	15,456	5,497	4,706	761	29,853	24,350
Teller.....	4,141	3	13	93	15,674	20,766	18,730	2,036	55,505	34,739
Weld.....	65,097	50	1,066	9,077	1,328,323	8,993,787	8,459,720	504,067	13,582,776	4,588,959
Yuma.....	13,613	5	10	40	11,415	20,401	18,435	1,966	57,242	30,841
All other counties ⁴	127,626	96	1,440	14,148	1,792,123	9,804,668	9,244,602	560,166	14,943,468	5,138,740
CONNECTICUT										
The State.....	1,006,903	3,129	251,801	909,239	\$328,865,412	\$665,661,316	\$633,379,231	\$32,282,085	\$1,471,875,604	\$806,214,288
<i>Counties</i>										
Fairfield.....	386,702	706	58,820	191,870	79,238,389	188,327,748	181,461,818	6,865,930	387,194,931	198,867,183
Hartford.....	421,097	674	65,482	206,930	89,977,178	122,768,417	115,623,013	7,145,404	351,491,271	228,722,854
Litchfield.....	82,656	126	11,986	35,338	14,833,623	28,365,781	26,973,265	1,392,516	62,592,287	34,228,505
Middlesex.....	51,388	131	6,770	19,933	7,909,561	16,439,746	15,040,089	799,708	39,784,592	23,344,846
New Haven.....	403,449	1,042	77,318	314,625	101,636,746	229,683,288	217,167,832	12,415,456	475,116,376	245,533,088
New London.....	118,966	224	16,578	72,287	19,634,218	40,360,212	38,096,059	2,264,153	86,336,899	45,976,687
Tolland.....	28,659	59	4,151	11,456	4,379,268	10,742,159	10,338,640	403,519	18,862,471	8,120,312
Windham.....	54,086	107	10,747	56,830	11,256,429	29,073,965	28,078,560	995,399	50,496,777	21,422,812
DELAWARE										
The State.....	238,380	460	23,552	114,961	\$20,062,739	\$80,490,738	\$76,110,568	\$4,380,170	\$149,642,042	\$69,151,304
<i>Counties</i>										
Kent.....	31,841	74	1,222	4,269	929,492	4,275,644	4,169,669	105,975	7,451,584	3,175,940
New Castle.....	161,032	264	19,711	103,733	26,836,261	71,223,224	67,073,080	4,150,144	132,165,319	60,942,095
Sussex.....	45,507	122	2,619	6,959	1,796,986	4,991,870	4,867,819	124,051	10,025,139	5,033,269
DISTRICT OF COLUMBIA										
District of Columbia.....	486,869	547	9,752	44,916	\$15,512,711	\$36,200,070	\$33,095,733	\$3,104,337	\$88,972,885	\$52,772,815

⁴ Baca, Clear Creek, Conejos, Crowley, Custer, Dolores, Douglas, Elbert, Gilpin, Grand, Hinsdale, Jackson, Kit Carson, Lake, Moffat, Montezuma, Morgan, Ouray, Park, Pitkin, Rio Blanco, San Juan, Sedgwick, Summit, and Washington Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Cheyenne, Kiowa, and Mineral Counties.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
FLORIDA										
The State.....	1,468,211	2,212	64,868	102,695	\$54,582,198	\$96,898,240	\$92,103,202	\$4,795,038	\$232,386,427	\$135,488,187
<i>Counties</i>										
Alachua.....	34,365	47	1,105	2,310	792,821	2,368,152	2,287,278	80,874	4,068,673	1,700,521
Baker.....	6,273	6	526	614	264,895	272,178	266,878	5,300	750,544	478,366
Bay.....	12,691	34	1,266	2,077	607,243	368,124	349,170	18,954	1,288,775	920,651
Bradford.....	9,405	15	365	191	142,727	107,480	105,161	2,320	378,228	268,748
Brevard.....	13,283	20	257	842	194,907	206,444	186,048	20,396	640,042	433,598
Broward.....	20,094	29	150	2,289	193,635	252,841	204,849	47,992	767,548	514,707
Calhoun.....	7,298	18	527	630	195,955	188,111	187,435	676	613,805	425,694
Charlotte.....	4,013	7	51	374	36,696	63,430	51,141	12,289	165,405	101,975
Citrus.....	5,516	12	92	353	44,710	38,096	38,096	-----	126,759	88,663
Clay.....	6,859	14	287	204	122,176	66,127	62,823	3,304	264,405	198,278
Columbia.....	14,638	20	470	693	208,181	245,891	232,667	13,224	662,997	417,106
Dade.....	142,955	210	2,398	13,604	3,318,501	4,979,624	4,456,493	523,131	14,708,222	9,728,598
De Soto.....	7,745	17	652	2,244	459,813	655,680	628,144	27,536	1,558,684	903,004
Duval.....	155,503	232	7,065	26,864	7,815,448	32,944,158	32,000,559	943,599	59,521,101	20,570,943
Escambia.....	53,594	75	2,355	11,314	2,481,901	4,354,368	3,987,213	367,155	10,375,898	6,021,630
Flagler.....	2,466	12	413	174	195,277	119,354	118,429	925	435,945	316,591
Franklin.....	6,283	17	709	970	526,574	324,053	304,074	19,979	1,455,414	1,131,361
Gadsden.....	29,890	26	1,428	2,889	1,106,200	932,528	918,298	14,230	3,080,639	2,148,111
Glenn.....	4,137	11	143	115	59,799	70,966	70,052	914	179,157	108,191
Gulf.....	3,182	12	373	667	174,527	169,306	152,959	16,347	443,743	274,437
Hamilton.....	9,454	21	572	723	219,003	196,210	189,071	7,139	542,213	340,003
Hardee.....	10,348	7	64	354	47,203	42,982	38,056	4,926	160,662	117,080
Hernando.....	4,948	11	131	343	75,580	91,696	85,846	5,850	261,491	169,795
Highlands.....	9,192	19	681	2,003	502,363	456,155	450,029	6,126	1,558,123	1,101,968
Hillsborough.....	153,519	267	14,286	26,927	15,027,406	23,569,937	22,692,036	877,901	58,395,138	34,825,201
Holmes.....	12,924	10	333	309	143,375	179,147	176,990	2,157	548,140	368,993
Indian River.....	6,724	5	19	302	21,129	23,385	19,092	4,293	83,476	60,091
Jackson.....	31,969	42	635	1,354	270,317	924,006	915,726	8,280	1,517,724	593,718
Jefferson.....	13,408	18	705	980	333,957	258,846	245,795	13,051	824,713	565,867
Lafayette.....	4,361	7	169	25	60,680	30,153	29,893	260	120,138	89,985
Lake.....	23,161	35	619	3,377	568,133	619,738	590,596	29,142	1,789,513	1,169,775
Lee.....	14,990	15	214	1,579	208,193	270,577	213,968	56,609	786,027	515,450
Leon.....	23,476	43	905	2,011	589,098	811,780	765,159	46,621	2,049,974	1,238,194
Levy.....	12,466	28	1,147	2,277	527,343	467,955	430,973	36,932	1,538,685	1,070,780
Liberty.....	4,067	16	554	612	204,481	135,108	129,803	5,305	524,766	389,598
Madison.....	15,614	19	442	547	187,453	334,339	317,904	16,435	735,443	401,104
Manatee.....	22,502	30	844	2,692	580,473	828,386	758,465	60,871	2,437,088	1,608,752
Marion.....	29,578	52	913	2,773	515,673	788,850	738,458	50,392	2,027,539	1,238,689
Martin.....	5,111	9	182	1,053	137,679	104,412	101,933	2,479	333,916	229,504
Monroe.....	13,624	26	756	1,283	648,404	888,140	821,804	66,336	2,267,993	1,379,853
Nassau.....	9,375	21	661	878	272,873	323,506	302,836	20,670	919,974	596,468
Okaloosa.....	9,897	9	159	334	72,461	32,548	29,386	3,162	163,851	121,303
Orange.....	49,737	62	716	5,491	741,979	1,253,608	1,103,922	149,686	3,695,845	2,442,237
Osceola.....	10,699	19	1,202	2,314	686,476	724,442	718,138	6,304	2,144,695	1,420,253
Palm Beach.....	51,781	48	450	4,275	662,233	1,034,539	868,359	166,180	3,152,498	2,117,959
Pasco.....	10,574	16	1,013	2,283	793,979	427,627	420,002	7,625	1,821,823	1,394,196
Pinellas.....	62,149	92	871	7,751	967,783	1,792,558	1,522,896	269,662	5,207,096	3,414,538
Polk.....	72,291	96	2,115	9,096	1,848,549	3,154,739	2,965,926	188,813	7,685,423	4,530,684
Putnam.....	18,096	40	960	3,770	777,702	828,298	793,313	34,985	2,351,356	1,523,058
St. Johns.....	18,676	26	771	3,730	700,474	557,993	468,122	89,871	2,146,773	1,588,780
St. Lucie.....	7,057	10	107	1,176	144,223	311,690	273,887	37,803	697,628	385,938
Sarasota.....	12,440	15	176	1,004	168,110	163,616	139,414	24,202	537,388	373,772
Seminole.....	18,735	21	611	3,029	602,100	1,332,259	1,226,377	105,882	3,034,534	1,702,275
Sumter.....	10,644	11	284	1,022	262,640	202,497	181,971	20,496	594,181	391,714
Suwannee.....	15,731	21	536	887	326,285	242,914	229,150	13,755	884,183	641,269
Taylor.....	13,136	17	1,516	7,299	1,053,782	1,057,152	1,032,418	24,734	4,420,401	3,363,249
Union.....	7,428	11	370	360	156,511	259,030	258,240	700	661,374	402,344
Volusia.....	42,757	60	781	3,868	681,583	845,671	713,318	132,353	2,613,996	1,768,325
Wakulla.....	5,468	16	268	453	134,596	94,611	94,611	-----	373,278	278,667
Wallton.....	14,576	27	1,274	1,849	670,537	476,293	463,389	12,904	1,663,180	1,136,887
Washington.....	12,180	21	1,104	1,561	762,344	371,210	364,367	6,843	1,673,427	1,302,217
All other counties ^c	33,768	39	4,030	8,428	2,284,149	1,662,796	1,613,737	49,059	5,966,777	4,303,981

^a Collier, Dixie, Glades, Hendry, Okeachobee, and Santa Rosa Counties; combined to avoid disclosing approximations of the data for individual establishments.

^b Not including salaried employees.

^c Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
GEORGIA										
The State.....	2,908,506	4,179	158,774	641,899	\$110,435,015	\$427,805,088	\$412,032,695	\$15,172,303	\$722,453,803	\$294,648,715
<i>Counties</i>										
Appling.....	13,314	49	786	531	319,655	274,552	271,707	2,845	879,941	605,389
Atkinson.....	6,894	23	547	380	212,520	147,304	144,044	2,300	547,459	400,155
Bacon.....	7,055	14	297	225	133,085	133,848	131,448	2,400	372,008	238,180
Baldwin.....	22,878	16	305	1,347	165,735	355,844	283,526	72,318	947,902	592,118
Barrow.....	12,401	20	681	1,221	289,031	1,410,542	1,374,496	42,046	2,150,641	734,099
Bartow.....	25,364	46	1,295	12,852	896,822	3,133,718	2,958,626	175,092	5,136,833	2,003,115
Ben Hill.....	13,047	13	633	2,527	504,565	825,010	708,904	116,106	1,560,073	735,063
Berrien.....	14,646	14	372	195	159,965	125,721	125,176	1,545	431,513	304,792
Bibb.....	77,042	114	7,488	39,519	6,193,008	23,580,117	22,536,204	1,049,913	37,735,344	14,149,227
Bleckley.....	9,133	8	161	558	83,761	258,097	249,325	8,772	429,896	171,799
Brantley.....	6,895	24	779	97	332,429	228,146	223,140	5,006	772,804	544,718
Brooks.....	21,330	22	587	1,884	297,657	945,417	612,186	33,231	1,325,748	680,331
Bryan.....	5,952	25	429	88	162,490	127,915	117,879	10,036	419,082	291,117
Bulloch.....	29,509	33	650	1,136	290,382	284,320	275,086	9,234	879,098	594,778
Burke.....	29,224	31	426	1,801	288,372	720,507	715,190	5,317	1,436,210	715,710
Calhoun.....	10,576	20	312	911	137,347	690,613	686,640	3,973	996,259	305,646
Camden.....	6,338	14	573	390	174,390	248,431	241,257	7,174	682,373	433,942
Candler.....	8,901	9	162	255	50,896	63,626	61,801	1,825	199,266	135,640
Carroll.....	34,272	40	1,524	5,018	788,970	3,615,184	3,495,468	119,716	5,450,340	1,835,156
Catoosa.....	9,421	5	30	103	19,575	12,657	12,557	100	39,649	26,992
Charlton.....	4,381	18	648	231	240,854	150,578	147,567	3,011	526,663	376,105
Chatham.....	105,431	140	5,757	30,321	4,893,990	37,238,776	36,280,068	968,708	51,454,433	14,215,657
Chattahoochee.....	8,894	5	19	160	8,637	32,488	32,488	100	60,314	27,326
Chattooga.....	15,407	12	1,958	8,042	1,163,007	4,810,468	4,579,719	230,749	7,271,744	2,491,276
Cherokee.....	20,003	46	1,361	5,861	968,947	3,402,651	3,280,151	122,500	6,006,424	2,603,773
Clarke.....	25,613	45	1,030	8,595	1,164,473	5,466,574	5,245,080	221,494	9,134,879	3,668,305
Clay.....	6,943	12	225	601	54,093	581,268	578,005	3,263	846,085	264,317
Clayton.....	10,260	3	12	60	15,524	38,687	38,301	386	75,289	36,593
Clinch.....	7,015	34	1,474	918	578,453	319,994	315,204	4,790	1,270,493	950,400
Cobb.....	35,408	35	2,003	5,495	1,869,126	2,760,529	2,603,460	157,069	6,056,397	3,295,868
Coffee.....	19,739	40	810	906	412,303	426,007	411,986	14,021	1,164,896	738,889
Colquitt.....	30,622	45	1,143	4,715	666,217	6,130,108	6,085,163	109,945	8,293,153	2,007,045
Columbia.....	8,793	13	1,497	1,497	210,523	228,420	190,733	37,687	513,844	285,424
Cook.....	11,311	14	245	286	102,743	74,250	69,924	4,305	247,176	172,946
Coweta.....	25,127	32	2,375	10,315	1,513,087	4,890,778	4,584,059	225,719	9,278,441	4,468,663
Crawford.....	7,020	20	170	752	69,092	78,776	78,776	100	212,132	133,356
Crisp.....	17,343	29	644	2,696	847,092	2,273,493	2,239,592	36,931	3,142,848	869,355
Dade.....	4,146	7	41	195	16,650	19,071	18,771	300	74,260	55,189
Dawson.....	3,562	7	29	132	14,480	9,300	9,300	100	38,600	29,300
Decatur.....	23,622	29	896	524,210	973,095	937,765	937,765	35,330	2,320,109	1,353,014
De Kalb.....	70,278	22	1,254	5,513	1,246,928	1,697,930	1,601,267	96,663	3,729,978	2,032,048
Dodge.....	21,599	19	865	1,082	382,580	742,369	697,011	45,358	1,476,552	734,133
Dooley.....	18,025	12	196	498	98,396	283,807	278,641	5,166	555,814	272,007
Dougherty.....	22,306	39	1,246	6,840	814,816	4,808,110	4,148,090	160,020	6,770,020	2,461,923
Douglas.....	9,461	13	305	1,621	174,626	463,004	443,595	19,409	845,950	382,955
Early.....	18,273	15	248	818	121,183	301,575	299,481	2,094	519,824	218,249
Echols.....	2,744	9	217	66	92,877	70,843	70,843	100	220,171	149,328
Effingham.....	10,184	26	699	789	315,935	181,143	174,262	6,881	695,614	514,471
Elbert.....	18,485	20	687	2,788	571,300	1,160,621	1,090,440	70,172	2,274,859	1,114,238
Emanuel.....	24,101	41	601	826	289,776	408,845	460,961	7,884	969,788	500,943
Evans.....	7,102	16	207	290	97,255	121,576	115,153	6,423	302,640	181,070
Payette.....	8,665	7	31	258	16,347	40,835	40,510	325	75,938	35,103
Floyd.....	48,667	65	5,904	31,949	4,279,784	12,231,597	11,717,434	514,163	20,936,398	8,704,801
Forsyth.....	10,624	5	14	66	7,700	8,760	8,500	260	27,740	20,740
Franklin.....	15,902	8	187	958	139,248	725,107	700,048	25,059	1,022,835	207,728
Fulton.....	318,687	570	24,744	102,283	24,539,683	123,587,873	120,408,690	3,179,183	214,785,945	91,198,072
Gilmer.....	7,344	29	161	1,260	95,793	499,654	495,370	4,284	889,338	389,684
Glacocock.....	4,388	7	48	215	30,800	35,550	35,550	100	90,200	54,560
Glynn.....	19,400	34	1,511	6,480	1,423,493	5,734,571	5,655,470	79,101	9,620,829	3,886,258
Gordon.....	16,846	33	628	2,739	432,185	1,136,150	1,047,544	88,606	2,048,820	912,670
Grady.....	19,200	22	331	388	163,320	273,192	265,657	7,535	593,717	320,525
Greene.....	12,616	14	892	2,140	1,092,463	1,092,463	1,020,019	65,544	1,938,094	845,631
Gwinnett.....	27,853	29	1,113	3,611	678,803	4,024,207	3,967,253	56,954	5,370,493	1,346,289
Hall.....	30,313	30	2,148	13,050	1,400,818	4,663,739	4,349,304	314,435	7,281,738	2,617,969
Hancock.....	13,070	33	333	1,357	145,244	370,224	357,474	12,750	680,119	309,895
Haralson.....	13,263	13	461	1,369	271,075	719,895	697,627	22,268	1,175,353	455,458
Harris.....	11,140	24	150	604	75,425	182,295	182,845	450	391,075	207,730
Heard.....	9,102	11	33	254	38,983	33,618	33,256	202	125,586	92,068
Henry.....	15,924	14	397	1,319	218,419	740,130	700,761	39,369	1,209,065	468,375
Houston.....	11,280	16	326	6,593	255,982	569,564	339,709	229,765	1,363,039	802,475
Irwin.....	12,199	12	274	821	106,711	296,210	282,945	13,265	547,316	251,106
Jackson.....	21,609	14	1,205	2,120	559,118	1,711,616	1,636,908	74,708	2,624,569	913,253
Jasper.....	8,594	16	199	1,020	77,019	256,926	249,275	7,651	433,669	170,743
Jeff Davis.....	8,118	29	487	434	167,165	149,099	140,642	8,367	593,838	354,889
Jefferson.....	20,727	57	404	1,886	185,342	432,595	422,028	10,567	955,336	522,741

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

Counties—Continued	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
Jenkins.....	12,908	21	400	1,415	\$217,261	\$464,004	\$448,439	\$15,565	\$937,943	\$473,939
Johnson.....	12,681	16	298	293	132,208	159,118	155,568	3,550	414,921	255,803
Lamar.....	9,745	19	748	2,480	482,070	2,136,181	2,057,859	78,322	3,114,604	978,488
Lanier.....	5,190	10	349	37	130,933	72,485	70,800	1,575	201,353	218,918
Laurens.....	32,603	34	765	2,655	345,437	1,112,838	1,079,808	33,580	1,909,510	856,678
Lee.....	8,328	4	53	295	23,340	83,548	83,548	-----	144,244	60,696
Liberty.....	8,163	21	303	327	134,930	104,093	98,683	5,510	396,540	292,453
Lincoln.....	7,847	22	165	820	72,983	212,540	212,431	115	438,987	226,441
Long.....	4,180	12	153	2	63,948	57,045	54,551	2,494	137,143	130,098
Lowndes.....	20,994	45	1,351	4,370	665,297	2,238,561	2,139,912	98,649	3,995,407	1,756,906
Lumpkin.....	4,927	3	18	65	5,828	8,020	8,000	20	19,115	11,095
McDuffie.....	9,014	25	206	1,483	152,455	413,032	402,508	10,524	757,749	344,717
McIntosh.....	5,763	11	858	531	404,030	329,090	323,324	5,775	1,214,226	885,127
Macon.....	16,643	15	246	1,172	118,147	857,670	837,746	19,930	1,208,653	350,977
Madison.....	14,921	9	40	490	12,002	183,086	178,420	4,666	245,022	61,936
Miller.....	9,076	9	119	155	50,358	58,183	57,283	900	106,244	108,061
Milton.....	6,730	3	12	62	5,700	5,500	5,500	-----	14,780	0,280
Mitchell.....	23,620	17	667	2,809	264,135	1,538,793	1,489,879	48,919	2,126,099	587,301
Monroe.....	11,606	33	057	3,374	336,220	2,423,992	2,361,274	62,718	3,322,834	898,842
Montgomery.....	10,020	14	421	488	252,085	138,134	131,513	6,621	476,685	338,561
Morgan.....	12,488	6	45	444	22,247	134,965	133,887	1,078	193,521	58,550
Murray.....	9,215	13	91	545	42,216	74,029	70,253	3,776	156,624	82,595
Muscogee.....	57,558	96	12,185	48,553	8,777,275	29,106,799	27,778,978	1,327,731	53,524,409	24,417,907
Oglethorpe.....	12,927	18	450	1,637	278,788	593,346	584,518	8,828	1,294,843	701,497
Paulding.....	12,327	14	293	705	138,766	344,904	327,544	17,360	623,822	278,918
Peach.....	10,268	19	234	2,359	134,571	382,936	367,004	15,932	812,048	429,112
Pierce.....	12,522	27	626	723	264,974	596,008	588,879	7,129	1,206,728	700,720
Plke.....	10,953	15	73	303	27,549	210,753	207,763	2,993	350,791	140,495
Polk.....	25,141	20	2,282	18,070	1,016,879	5,852,629	5,897,038	455,585	9,135,671	3,283,048
Pulaski.....	9,006	8	111	386	53,101	151,931	142,882	9,049	276,164	124,233
Putnam.....	8,367	20	353	1,528	228,014	758,721	721,223	37,498	1,338,720	579,999
Quitman.....	3,820	16	224	834	88,015	187,854	187,854	-----	453,614	265,700
Randolph.....	17,174	18	192	767	104,441	277,060	270,259	807	513,137	236,071
Richmond.....	72,900	99	5,993	34,575	4,462,753	17,594,421	16,753,074	841,347	27,791,323	10,196,902
Schley.....	5,347	5	49	144	21,733	223,580	221,686	2,000	321,033	97,447
Scriven.....	20,503	44	428	1,244	231,140	310,274	305,867	4,407	805,654	495,380
Seminole.....	7,380	7	223	434	30,404	632,511	679,625	2,886	842,399	159,888
Spalding.....	23,495	34	3,538	12,760	2,288,200	6,979,990	6,656,086	323,904	12,840,941	5,899,951
Stephens.....	11,740	12	595	1,188	311,377	1,028,066	999,168	28,103	1,703,239	675,173
Stewart.....	11,114	13	1,048	231,329	498,004	498,004	497,550	454	1,068,706	570,702
Sumter.....	26,800	28	471	3,630	355,573	1,291,575	1,252,967	38,608	2,087,007	795,522
Talbot.....	8,458	21	200	1,278	157,553	300,931	298,540	2,391	663,851	362,920
Taliaferro.....	6,172	11	117	258	40,762	71,475	70,150	1,325	197,215	125,740
Tattall.....	16,411	34	522	344	171,030	195,593	172,262	23,271	473,711	278,148
Telfair.....	14,907	30	755	1,230	308,498	359,996	341,749	18,247	1,008,915	648,919
Terrell.....	18,290	22	239	1,621	115,455	1,219,452	1,192,720	26,732	1,611,599	392,147
Thomas.....	32,612	41	999	2,841	618,098	1,144,397	1,090,125	48,272	2,494,382	1,349,985
Tift.....	10,068	23	631	1,317	292,980	1,105,841	1,071,280	34,561	1,805,086	699,245
Toombs.....	17,165	29	434	927	200,638	471,260	455,189	16,071	957,872	486,612
Treutlen.....	7,488	7	265	78	85,355	164,028	162,478	1,550	349,283	185,255
Troup.....	36,752	58	5,760	22,354	3,284,542	16,408,893	15,758,700	650,193	26,132,663	9,723,770
Turner.....	11,198	12	360	786	153,268	392,430	286,468	15,962	639,223	336,793
Twiggs.....	8,372	19	123	573	71,041	152,472	152,472	-----	424,913	272,446
Union.....	6,340	31	65	415	38,414	170,126	179,126	-----	284,800	115,674
Upson.....	10,509	34	3,856	21,132	2,028,008	7,563,895	7,170,328	393,567	11,601,931	4,128,036
Walker.....	26,206	32	3,482	9,153	2,715,433	10,441,816	10,109,389	332,427	16,509,898	6,068,082
Walton.....	21,118	22	639	4,145	554,969	2,515,722	2,403,331	112,391	4,048,240	1,532,518
Ware.....	26,558	72	2,673	9,833	2,304,066	4,623,834	4,483,479	140,355	7,846,049	3,222,215
Warren.....	11,181	13	96	363	49,133	307,030	306,035	995	427,731	120,701
Washington.....	25,030	43	934	2,862	485,427	700,561	692,041	8,520	1,620,234	919,673
Wayne.....	12,647	35	947	1,212	437,903	418,886	413,354	5,532	1,224,871	805,985
Webster.....	5,032	5	100	215	55,640	36,140	36,140	-----	109,000	72,860
Wheeler.....	9,149	5	186	26	80,040	57,766	50,056	7,700	188,441	130,685
Whitfield.....	20,803	52	2,060	7,555	1,585,630	6,493,172	6,253,171	240,001	10,396,355	3,993,213
Wilcox.....	13,439	15	389	227	157,440	133,557	126,236	7,321	399,107	265,610
Wilkes.....	15,944	25	316	1,551	151,042	486,560	477,826	8,724	873,440	386,800
Wilkinson.....	10,844	14	304	761	167,766	112,243	109,520	2,723	413,925	301,632
Worth.....	21,094	17	482	591	210,585	429,853	414,045	15,808	855,173	425,320
All other counties ^c	185,713	136	6,592	32,729	4,424,364	15,490,682	14,962,775	536,907	26,517,160	11,017,478

^a Baker, Butts, Campbell, Fannin, Habersham, Hart, Jones, Marlon, Meriwether, Newton, Oconee, Pickens, Rockdale, Taylor, Towns, and White Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Banks and Rabun Counties.

^b Not including salaried employees.

^c Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
IDAHO										
The State.....	445,032	562	15,648	105,787	\$22,451,545	\$51,863,505	\$50,225,704	\$1,637,801	\$90,352,026	\$44,488,521
<i>Counties</i>										
Ada.....	37,925	54	1,052	4,107	1,272,541	2,594,539	2,463,482	131,057	5,301,706	2,707,167
Adams.....	2,867	4	13	178	12,910	12,287	9,707	2,580	62,438	50,151
Bannock.....	31,266	33	1,047	10,090	1,701,478	5,210,462	5,072,595	137,867	7,816,018	2,605,550
Bear Lake.....	7,872	10	46	664	73,431	220,797	212,728	8,069	345,005	124,208
Benewah.....	6,371	17	564	2,018	911,342	489,128	476,258	12,870	2,088,805	1,560,077
Bingham.....	18,561	16	128	3,108	199,744	1,401,831	1,391,493	70,338	1,958,577	406,746
Bonner.....	13,152	24	1,754	7,459	2,447,082	3,134,162	3,083,874	50,288	8,177,050	5,042,888
Bonneville.....	19,604	21	171	2,097	204,588	1,228,743	1,143,883	84,860	2,138,358	909,016
Boundary.....	4,555	13	120	368	177,375	133,535	130,490	3,006	470,132	345,697
Canyon.....	30,930	30	468	3,118	733,333	5,703,224	5,586,423	116,801	7,510,220	1,816,005
Cassia.....	13,116	13	81	1,332	98,406	769,826	744,013	25,813	1,162,523	382,697
Clearwater.....	6,599	13	674	4,886	807,524	577,015	541,575	35,440	2,124,991	1,547,976
Franklin.....	9,379	7	137	1,482	114,885	1,083,902	1,044,185	39,717	1,369,831	285,929
Fremont.....	9,924	9	82	430	118,122	344,200	338,818	5,382	711,836	367,636
Gooding.....	7,580	8	26	144	31,495	517,136	511,363	5,773	650,916	133,780
Idaho.....	10,107	14	71	408	95,376	170,065	165,030	5,635	346,538	175,873
Jefferson.....	8,171	7	52	1,074	68,496	493,472	475,795	17,677	635,048	142,470
Kootenai.....	19,460	34	2,855	15,051	3,781,920	3,127,867	3,111,164	16,703	10,150,338	7,022,471
Latah.....	17,798	38	1,564	7,463	2,796,663	1,105,506	905,683	100,873	4,700,431	3,004,875
Lemhi.....	4,643	6	7	223	11,552	160,217	146,845	3,372	186,774	30,557
Lewis.....	5,238	5	287	1,119	411,304	212,787	212,617	170	834,296	621,509
Madison.....	8,310	10	98	1,787	137,808	973,065	917,263	56,402	1,373,279	390,614
Minidoka.....	8,403	9	23	302	25,831	375,683	369,869	5,789	473,198	97,640
New Perce.....	17,591	27	1,890	22,422	3,040,363	2,337,992	2,234,218	103,774	7,501,224	5,163,232
Oneida.....	5,870	4	17	312	23,935	362,979	355,010	7,969	498,009	135,030
Payette.....	7,318	21	234	703	165,885	1,797,863	1,765,048	32,815	2,315,778	517,015
Teton.....	3,573	5	6	81	6,943	111,943	107,695	3,948	135,419	23,476
Twin Falls.....	29,828	31	179	1,040	248,421	2,082,032	2,031,038	50,994	3,013,933	931,050
Valley.....	3,488	6	228	1,186	265,737	114,045	106,798	7,250	8,037,937	573,589
Washington.....	7,962	11	39	423	50,531	420,409	410,414	16,055	618,008	192,139
All other countries ⁷	66,496	61	1,726	10,707	2,296,498	14,540,005	14,070,081	469,924	20,975,146	6,435,141

ILLINOIS

	7,630,654	15,333	691,555	2,807,001	\$1,024,870,235	\$3,352,054,479	\$3,108,957,024	\$153,006,855	\$6,282,002,240	\$2,930,037,761
<i>Counties</i>										
Adams.....	62,784	139	5,027	20,232	5,763,603	13,813,415	12,938,847	874,568	32,587,921	18,774,506
Alexander.....	22,542	44	1,125	8,488	1,170,251	6,349,558	6,234,926	114,632	8,818,455	2,408,980
Bond.....	14,406	15	315	1,154	317,064	1,237,646	1,105,999	71,647	2,161,107	913,461
Boone.....	15,078	19	1,388	2,700	1,593,100	3,776,447	3,039,399	137,048	7,742,507	3,066,060
Brown.....	7,802	3	11	11	11,071	14,923	13,951	972	44,704	20,781
Bureau.....	38,845	31	865	8,352	1,127,510	2,070,337	1,522,523	547,809	6,722,408	4,552,071
Calhoun.....	8,034	3	11	11	10,112	12,060	12,580	80	38,369	25,739
Carroll.....	18,433	23	341	1,183	517,622	1,335,844	1,206,076	68,868	2,111,511	775,097
Cass.....	16,537	11	543	732	776,693	3,203,620	3,111,629	91,991	4,348,487	1,144,897
Champaign.....	64,273	74	1,117	6,468	1,658,539	4,463,092	4,144,253	308,839	8,653,534	4,200,442
Christian.....	37,538	36	647	2,864	796,818	3,318,523	3,194,850	123,673	5,200,827	1,832,304
Clark.....	17,872	14	110	198	86,460	185,654	176,108	9,546	480,031	294,377
Clinton.....	21,309	20	417	2,748	417,336	2,590,810	2,480,958	115,852	3,713,247	1,116,437
Coles.....	37,315	44	2,220	4,285	2,165,247	5,693,631	5,531,301	162,330	10,561,068	4,897,337
Cook.....	3,982,123	10,871	462,750	1,643,668	727,953,161	2,360,197,731	2,272,383,006	90,814,125	4,482,169,698	2,112,961,958
Crawford.....	21,085	31	664	5,270	632,613	6,840,471	6,629,498	210,973	10,124,836	3,284,365
Cumberland.....	10,419	7	93	61	61,776	158,532	156,295	2,237	305,473	206,891
De Kalb.....	32,044	52	2,150	8,654	2,802,600	10,034,491	18,634,180	400,311	27,632,598	8,438,107
De Witt.....	18,598	11	502	1,527	663,672	686,978	622,692	64,286	1,620,269	633,201
Douglas.....	17,914	15	167	814	197,451	574,422	551,063	23,359	1,075,368	500,046
Du Page.....	91,998	56	1,303	4,125	1,712,830	4,472,170	4,280,082	192,088	10,752,833	6,280,713
Edgar.....	24,966	27	750	1,599	695,944	2,363,624	2,311,097	52,527	4,496,644	2,103,020
Edwards.....	8,303	9	207	805	275,013	255,357	188,381	66,976	714,541	469,484
Effingham.....	19,013	25	674	2,202	577,395	1,172,328	1,104,366	67,963	2,328,379	1,156,051
Fayette.....	23,487	17	927	1,471	755,257	2,614,377	2,644,310	70,067	4,039,434	1,426,057
Ford.....	15,489	18	208	984	190,709	1,087,741	1,050,042	37,699	1,833,797	546,026
Franklin.....	59,442	33	129	1,078	177,692	361,314	331,489	29,825	940,005	578,691
Gallatin.....	10,091	4	30	171	32,340	39,549	38,660	988	112,815	73,266
Greene.....	20,417	16	394	2,001	441,299	518,800	390,605	128,195	1,222,625	703,825
Grundy.....	18,678	20	1,176	3,428	1,393,742	3,112,164	2,906,831	205,333	2,524,373	4,070,709
Hamilton.....	12,995	9	200	439	117,201	377,823	359,945	17,878	661,098	284,175
Hancock.....	26,420	29	309	521	279,814	923,811	906,583	17,228	1,668,782	744,971
Henderson.....	8,778	5	25	79	14,644	46,180	44,738	1,442	98,787	52,607
Henry.....	43,851	40	2,561	7,603	3,261,508	5,357,372	5,022,675	334,697	14,000,010	9,242,638
Iroquois.....	32,913	29	361	1,640	524,702	1,509,545	1,443,876	65,669	2,524,373	1,014,828

⁷ Blaine, Boile, Butte, Camas, Caribou, Clark, Custer, Elmore, Gem, Jerome, Lincoln, Power, and Shoshone Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Owyhee County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
ILLINOIS—Continued										
<i>Counties—Continued</i>										
Jackson.....	35,680	38	1,504	3,696	\$1,439,032	\$5,554,200	\$5,411,038	\$143,162	\$9,054,548	\$3,500,348
Jasper.....	12,809	7	16	394	16,842	85,940	84,337	1,603	145,676	59,736
Jefferson.....	31,034	27	2,719	6,189	2,648,026	13,656,947	13,424,609	232,248	19,469,647	5,812,700
Jo Daviess.....	20,235	60	423	1,595	485,070	1,984,786	1,910,026	74,760	2,867,650	882,870
Johnson.....	10,203	4	7	62	7,860	12,348	11,900	448	34,470	22,122
Kane.....	125,327	204	16,201	39,724	21,080,070	36,361,116	35,057,574	1,303,542	89,875,977	53,514,861
Kankakee.....	50,095	73	4,046	10,801	4,408,811	9,388,409	8,805,453	582,956	18,867,731	9,470,322
Kendall.....	10,555	7	206	495	303,245	366,963	336,673	30,390	1,035,197	668,234
Knox.....	51,336	66	3,094	12,319	3,901,776	13,470,814	12,816,540	655,274	23,248,834	9,778,020
Lake.....	104,387	142	8,577	56,822	13,467,126	38,828,981	36,011,861	2,817,120	74,865,524	36,030,843
La Salle.....	97,695	140	11,259	99,888	13,968,648	26,915,863	22,168,611	4,747,252	63,873,437	36,957,574
Lee.....	32,329	33	1,649	18,603	1,980,003	7,737,180	7,214,721	522,459	14,868,117	7,130,937
Livingston.....	30,092	39	979	1,913	1,047,432	1,555,090	1,290,958	265,132	3,535,499	1,680,409
Logan.....	28,863	22	412	720	389,281	906,316	832,474	73,842	1,746,548	840,232
McDonough.....	27,320	38	983	4,088	949,322	3,215,817	2,974,748	241,060	5,327,449	2,121,632
McHenry.....	36,079	46	1,719	4,674	2,212,198	4,120,028	3,904,294	215,734	9,321,064	5,201,636
McLean.....	73,117	75	3,115	12,505	4,115,868	7,473,026	7,133,725	339,301	17,350,897	9,877,871
Macon.....	81,731	101	8,014	39,238	10,444,307	29,139,195	27,755,471	1,383,724	53,993,191	24,823,096
Macoupin.....	48,703	47	263	1,257	340,350	702,828	670,365	32,463	1,322,297	619,469
Madison.....	143,830	198	22,089	179,187	32,885,462	165,871,606	150,416,817	9,454,789	268,804,982	92,933,376
Marion.....	35,635	36	1,962	4,400	2,166,755	4,117,176	3,964,386	152,790	7,050,869	3,833,693
Mason.....	15,115	12	213	1,543	237,528	369,395	328,923	40,442	899,325	529,960
Massac.....	14,081	15	734	1,866	589,291	1,900,994	1,846,730	54,264	3,162,626	1,161,632
Memard.....	10,575	6	55	262	42,477	309,931	297,503	12,428	395,644	85,713
Mercer.....	16,641	9	145	524	181,772	332,440	251,969	80,471	678,909	346,559
Monroe.....	12,369	11	166	803	134,668	853,103	834,241	18,922	1,211,611	368,448
Montgomery.....	35,278	36	1,308	6,013	1,545,369	5,402,904	4,954,222	448,682	8,832,815	3,420,911
Morgan.....	34,240	42	912	2,712	908,240	4,244,856	4,133,065	111,791	6,631,400	2,387,084
Moultrie.....	13,247	9	35	117	36,810	84,392	79,508	4,884	212,418	128,026
Ogle.....	28,118	41	1,237	4,867	1,729,329	6,010,048	5,808,114	201,934	11,031,921	5,021,873
Peoria.....	141,344	202	8,473	62,342	11,433,051	60,054,247	57,265,940	2,788,307	101,952,369	41,898,112
Perry.....	22,767	27	274	1,040	265,604	1,408,856	1,300,119	108,737	2,266,032	847,176
Pike.....	24,357	13	64	759	58,116	486,133	474,546	11,587	671,589	185,456
Pulaski.....	14,834	16	702	1,044	656,813	782,001	734,089	47,912	1,904,041	1,122,040
Putnam.....	6,235	3	13	179	11,187	5,761	5,443	308	22,503	16,752
Randolph.....	20,313	28	1,300	3,687	1,117,379	7,018,871	6,937,020	81,851	10,506,179	3,487,308
Rock Island.....	98,191	150	15,994	61,696	22,620,099	47,450,085	45,477,093	1,972,992	112,784,519	65,334,434
St. Clair.....	157,775	282	17,861	110,285	22,635,410	149,645,625	145,654,953	3,990,672	214,992,985	65,347,360
Saline.....	37,100	18	188	1,100	239,887	896,112	861,192	34,920	1,432,922	530,810
Sangamon.....	111,733	121	5,244	14,685	6,594,347	13,427,126	12,804,970	622,156	33,441,576	20,014,450
Schuyler.....	11,676	7	105	263	155,087	323,757	317,947	5,810	572,301	248,544
Shelby.....	25,471	15	216	660	164,995	732,755	707,319	25,436	1,237,366	504,611
Stark.....	9,184	11	49	382	57,618	232,214	224,980	7,234	405,235	173,021
Stephenson.....	40,064	46	3,241	10,714	4,069,153	12,857,557	12,450,822	406,735	25,557,513	12,690,956
Tazewell.....	46,082	66	6,300	31,876	8,710,141	40,098,965	38,960,559	1,138,406	80,225,197	40,126,232
Union.....	19,883	19	294	1,605	266,382	390,569	363,379	27,190	993,047	602,478
Vermilion.....	89,339	94	4,674	17,473	5,795,162	15,871,151	14,700,862	1,170,289	28,420,375	12,549,224
Wabash.....	13,197	19	500	4,124	583,677	2,100,175	2,016,344	83,831	3,436,818	1,336,643
Warren.....	21,746	19	428	1,034	512,129	590,051	499,126	99,925	1,642,282	1,043,231
Washington.....	16,286	11	61	564	45,990	364,153	350,880	13,264	502,502	138,340
White.....	18,149	13	435	832	311,782	673,612	656,129	17,483	1,232,568	558,956
Whiteside.....	39,019	64	2,931	10,836	3,656,790	11,145,649	10,650,158	495,491	21,471,684	10,326,035
Will.....	110,732	151	11,744	111,586	16,325,842	62,724,903	41,840,674	10,884,229	96,805,683	44,080,780
Williamson.....	53,880	33	194	1,172	265,354	790,277	749,465	40,822	1,492,088	702,711
Winnebago.....	117,373	233	19,916	64,750	28,291,371	45,807,453	43,178,716	2,628,737	115,812,461	70,005,008
Woodford.....	18,792	14	182	1,598	138,182	534,358	517,310	17,028	1,042,125	607,787
All other counties ^c	179,863	125	6,574	18,111	7,010,160	25,893,331	25,182,817	710,514	41,678,893	15,785,562

INDIANA

The State.....	3,238,503	5,091	314,698	1,858,735	\$418,771,109	\$1,403,431,157	\$1,280,124,322	\$123,306,835	\$2,530,893,849	\$1,136,462,692
<i>Counties</i>										
Adams.....	19,957	42	1,308	4,813	1,540,250	4,787,920	4,572,275	215,645	8,907,194	4,119,274
Allen.....	146,743	209	23,300	77,523	32,909,378	70,715,215	67,917,215	2,798,000	140,855,093	70,139,878
Bartholomew.....	24,864	56	2,035	5,330	1,935,129	5,834,359	5,650,181	184,228	12,600,624	6,772,265
Benton.....	11,886	7	60	246	62,919	106,172	101,054	5,118	295,196	189,024
Blackford.....	13,617	25	1,317	7,352	1,440,855	5,421,072	4,992,165	428,907	9,337,452	3,910,380
Boone.....	22,280	32	613	2,032	574,592	2,070,205	2,003,209	66,996	3,282,950	1,212,745
Carroll.....	15,049	18	134	798	136,574	323,714	307,142	16,572	616,175	292,461
Cass.....	34,618	55	1,405	5,997	1,720,943	4,852,462	4,546,415	136,077	8,849,796	4,167,304
Clark.....	30,764	35	1,950	15,244	2,404,614	8,487,572	7,886,895	600,679	19,003,203	10,515,629
Clay.....	26,470	37	1,775	6,813	2,040,475	1,793,078	1,146,204	646,814	5,982,098	4,189,020

^a Clay, Fulton, Hardin, Jersey, Lawrence, Marshall, Piatt, Pope, Richland, Scott, and Wayne Counties; combined to avoid disclosing approximations of the data for individual establishments.

^b Not including salaried employees.

^c Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
IOWA										
The State.....	2,470,939	3,317	81,678	366,760	\$102,326,738	\$574,393,720	\$556,502,882	\$17,800,847	\$808,213,272	\$323,810,543
<i>Counties</i>										
Adair.....	13,891	5	12	92	15,090	292,590	288,001	4,589	340,196	47,006
Adams.....	10,437	4	13	57	14,021	92,772	90,427	2,345	136,050	43,878
Allamakee.....	10,328	22	89	328	74,723	1,090,842	1,084,986	14,356	1,313,046	214,004
Appanoose.....	24,835	27	252	2,258	281,060	1,042,665	1,544,911	97,754	2,485,754	793,089
Audubon.....	12,264	11	82	362	91,447	827,883	816,082	11,201	1,235,441	407,558
Benton.....	22,851	26	410	1,502	532,005	1,450,571	1,387,614	62,957	2,890,566	948,095
Black Hawk.....	69,146	125	7,114	18,701	9,771,102	51,225,408	50,004,914	1,130,494	90,121,496	38,808,088
Boone.....	29,271	30	310	1,490	369,067	1,169,989	1,066,070	73,869	2,102,786	932,847
Bremner.....	17,046	41	256	1,112	233,331	2,666,020	2,614,198	51,831	3,746,863	1,080,834
Buchanan.....	19,550	21	121	605	116,638	2,677,128	2,643,147	33,981	3,121,410	444,282
Buena Vista.....	18,667	26	151	745	160,007	1,556,141	1,527,782	28,359	2,121,706	565,655
Butler.....	17,017	20	55	408	49,772	1,324,141	1,311,908	12,233	1,526,295	202,154
Calhoun.....	17,605	16	74	288	64,198	687,968	678,104	9,864	942,465	254,407
Carroll.....	22,326	26	212	1,182	262,155	2,589,961	2,549,098	40,863	3,402,211	812,250
Cass.....	19,422	26	208	1,309	224,002	1,897,989	1,840,614	48,375	2,757,314	850,325
Cedar.....	16,700	20	38	516	38,056	993,765	983,108	10,657	1,169,834	176,069
Cerro Gordo.....	38,476	57	2,406	33,577	3,191,183	23,531,412	21,706,384	1,735,028	32,067,057	9,436,245
Cherokee.....	18,737	10	111	186	162,620	282,233	256,493	25,770	697,065	315,432
Chickasaw.....	14,037	19	48	441	58,341	1,154,317	1,136,910	14,407	1,335,533	181,216
Clarke.....	10,384	7	27	78	34,592	306,177	297,429	8,748	419,770	113,500
Clay.....	16,107	15	38	285	46,322	214,277	202,728	11,549	420,331	200,054
Clayton.....	24,559	43	343	1,156	401,727	2,945,437	2,897,755	47,682	3,749,710	804,273
Clinton.....	44,377	83	3,285	16,421	4,047,030	16,982,938	16,138,928	844,010	27,105,981	10,123,043
Dallas.....	25,493	26	482	2,976	608,711	1,693,997	1,485,709	208,288	2,888,844	1,104,847
Davis.....	11,150	6	16	102	20,091	100,253	95,723	4,530	168,204	67,951
Decatur.....	14,903	9	40	274	46,238	429,300	422,139	7,161	576,632	147,332
Delaware.....	18,122	26	65	373	82,696	1,528,799	1,507,577	21,222	1,827,184	203,385
Des Moines.....	38,162	76	3,498	9,949	4,163,912	9,442,714	9,133,580	309,134	17,243,650	7,800,986
Dickinson.....	10,982	12	47	101	47,409	425,296	415,974	9,252	611,918	189,092
Dubuque.....	61,214	122	5,446	10,622	5,091,782	19,165,825	18,636,855	528,970	34,257,310	15,091,494
Emmet.....	12,856	17	159	1,875	233,812	640,302	611,452	28,850	1,027,313	387,011
Fayette.....	29,145	39	1,115	3,014	1,499,069	2,800,259	2,685,846	114,413	4,018,068	2,118,709
Floyd.....	10,524	26	1,076	7,056	1,492,030	5,280,210	5,074,947	211,263	9,330,483	4,044,273
Franklin.....	16,382	20	217	1,563	202,820	1,617,744	1,522,017	95,727	2,312,314	694,570
Fremont.....	15,533	8	51	310	38,842	86,167	80,801	5,356	234,793	148,546
Greene.....	10,528	11	61	249	66,723	433,152	425,605	7,487	651,510	218,358
Grundy.....	14,133	15	45	282	37,489	718,041	706,849	11,792	899,274	180,633
Guthrie.....	17,324	15	50	229	49,801	596,234	580,421	9,813	755,268	159,034
Hamilton.....	20,978	16	283	765	340,134	1,020,977	978,194	42,783	2,109,643	1,085,065
Hancock.....	14,802	13	55	227	54,149	1,335,016	1,324,257	10,759	1,566,027	231,011
Hardin.....	22,947	34	133	773	150,599	2,109,776	2,004,549	45,227	2,637,621	527,845
Henry.....	17,660	18	110	494	82,919	580,950	560,400	20,590	871,380	269,399
Howard.....	13,082	10	59	520	69,690	1,177,130	1,161,377	15,753	1,376,184	199,054
Humboldt.....	13,202	12	39	346	44,344	638,258	629,711	8,547	804,001	165,743
Ida.....	11,933	10	36	123	39,076	312,898	305,732	7,166	413,002	100,104
Iowa.....	17,332	12	50	842	48,601	602,066	590,130	11,936	796,833	194,767
Jackson.....	15,481	33	167	993	171,946	1,680,328	1,645,086	35,242	2,124,799	444,471
Jasper.....	82,936	33	2,397	7,505	4,244,464	12,618,342	12,294,446	323,896	27,529,628	14,911,286
Jefferson.....	16,241	20	715	1,851	897,097	2,292,641	2,184,888	107,753	6,664,725	3,372,084
Johnson.....	30,276	32	304	1,461	409,731	1,133,064	1,036,245	96,819	2,692,043	1,558,979
Jones.....	19,206	29	302	740	217,491	2,470,407	2,445,094	25,313	4,005,071	1,534,664
Keokuk.....	19,148	12	127	585	170,960	122,001	45,918	76,083	886,164	293,563
Kossuth.....	25,452	26	104	483	126,668	1,580,111	1,554,962	25,149	1,936,376	356,285
Lee.....	41,208	89	3,433	23,411	4,046,634	16,912,231	15,537,893	1,374,338	33,053,370	16,141,139
Linn.....	82,336	188	5,969	37,060	7,346,861	68,392,966	61,981,488	1,461,478	96,108,597	32,715,631
Louisia.....	11,575	8	153	248	106,360	243,632	237,812	5,720	434,387	109,855
Lucas.....	15,114	14	95	357	95,252	337,185	319,384	17,801	576,237	239,052
Lyon.....	15,293	11	35	148	37,027	334,056	330,262	4,394	455,432	129,776
Madison.....	14,331	8	34	131	35,162	131,443	124,936	6,507	320,966	189,523
Mahaska.....	25,804	31	433	1,087	481,593	1,240,197	1,176,040	70,157	2,380,426	1,134,229
Marion.....	25,727	30	298	1,271	304,220	1,327,191	1,281,163	46,028	2,533,180	1,205,999
Marshall.....	33,727	60	1,745	5,238	2,111,719	6,067,632	6,440,242	227,290	13,858,496	7,199,904
Mills.....	15,866	13	58	474	49,582	404,053	393,856	10,197	533,771	129,718
Mitchell.....	14,095	20	78	274	86,709	1,341,518	1,328,307	12,211	1,626,997	285,479
Monona.....	18,213	12	60	189	54,170	364,863	356,628	8,225	631,154	266,301
Monroe.....	15,010	11	36	295	46,450	70,438	61,604	8,834	190,114	119,676
Montgomery.....	10,752	23	416	1,192	409,801	1,422,807	1,387,917	34,890	3,497,486	2,074,679
Muscataine.....	29,335	84	2,872	6,456	2,578,037	7,211,886	7,033,138	178,758	14,259,036	7,047,150
O'Brien.....	18,409	23	98	338	115,706	975,215	950,934	24,281	1,343,812	365,607
Page.....	26,994	30	221	876	231,941	1,708,371	1,669,298	39,073	2,522,750	814,379
Palo Alto.....	15,398	14	36	284	43,088	959,674	949,284	10,390	1,110,474	159,800
Plymouth.....	24,150	22	71	718	85,923	308,133	345,834	22,299	643,150	275,017
Pocahontas.....	15,687	9	79	108	106,989	514,130	471,767	42,363	801,710	287,580
Polk.....	172,837	341	9,056	41,392	12,717,310	53,427,653	51,186,410	2,241,243	103,879,503	50,451,850
Pottawattamie.....	69,888	74	2,089	6,306	3,003,800	5,728,324	5,312,147	416,177	11,798,302	6,069,978

^a Not including salaried employees.^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
IOWA—Continued										
<i>Counties—Continued</i>										
Poweshiek.....	18,727	17	246	579	\$229,360	\$1,266,690	\$1,236,442	\$30,248	\$1,951,039	\$684,349
Ringgold.....	11,966	5	9	48	9,627	23,484	21,203	2,281	57,872	34,388
Sac.....	17,041	14	83	437	105,304	634,671	620,752	13,919	971,823	337,152
Scott.....	77,332	190	6,334	33,758	8,202,291	28,963,149	27,525,923	1,437,226	50,824,510	21,861,901
Shelby.....	17,131	8	67	522	61,069	517,466	507,966	9,500	707,564	190,088
Sloux.....	26,806	28	176	544	247,263	2,615,677	2,578,217	37,460	3,191,356	575,679
Story.....	31,141	35	297	1,918	201,487	2,640,174	2,592,852	47,322	3,814,556	1,174,382
Tama.....	21,987	19	159	2,005	161,862	1,780,846	1,701,611	79,235	2,357,698	576,862
Taylor.....	14,859	7	24	77	21,957	186,366	182,299	4,067	278,517	92,151
Union.....	17,435	17	559	1,073	857,355	3,113,918	3,043,309	70,609	4,399,792	1,285,874
Wapello.....	40,480	61	3,125	8,388	3,224,391	45,833,462	45,419,448	414,014	56,123,095	10,289,633
Warren.....	17,700	7	34	59	41,424	126,050	122,233	3,820	220,520	94,461
Washington.....	19,822	24	260	473	210,800	599,088	560,413	30,675	1,310,654	711,566
Wayne.....	13,787	11	62	327	62,011	1,035,318	1,019,054	16,264	1,248,094	212,776
Webster.....	40,425	50	1,784	12,188	2,312,649	5,908,501	4,989,901	1,008,600	11,897,200	5,898,699
Winneshago.....	13,143	17	71	465	84,029	1,089,121	1,074,073	15,048	1,356,835	267,714
Winneshiek.....	21,630	30	186	865	209,464	2,090,307	2,049,607	40,700	2,682,507	592,200
Woodbury.....	101,669	164	6,236	25,767	8,597,164	112,955,850	111,606,385	1,349,465	136,125,651	23,169,801
Worth.....	11,164	13	152	447	229,303	875,044	847,160	27,884	1,183,700	308,656
Wright.....	20,216	21	336	1,820	419,122	1,255,846	1,174,613	81,233	2,075,485	819,639
All other counties ¹⁰	68,710	37	541	1,195	700,607	3,452,203	3,380,382	71,821	4,782,198	1,320,995

KANSAS

The State.....	1,880,999	1,916	47,373	298,487	\$63,348,328	\$546,246,575	\$534,104,605	\$12,141,970	\$751,613,194	\$205,360,619
<i>Counties</i>										
Allen.....	21,391	25	1,028	23,163	1,193,219	3,586,771	2,579,498	1,007,273	9,130,443	5,543,672
Anderson.....	13,355	15	113	676	105,868	453,950	447,026	11,924	760,160	301,210
Atchison.....	23,945	37	998	6,420	1,284,280	11,770,791	11,505,244	265,547	15,676,305	3,905,514
Barber.....	10,178	7	80	1,101	78,881	542,831	515,910	26,921	1,095,167	552,336
Barton.....	19,776	22	519	2,158	748,145	4,731,285	4,646,629	84,656	6,730,326	1,099,041
Bourbon.....	22,386	29	781	3,123	974,806	2,840,563	2,721,577	118,986	4,751,532	1,010,969
Butler.....	35,904	30	881	5,597	1,291,374	19,498,910	19,298,843	200,067	28,160,697	8,661,787
Chase.....	6,952	5	17	61	18,269	91,577	86,234	5,343	149,101	57,524
Chautauqua.....	10,352	5	95	837	109,046	45,625	16,040	29,585	241,688	190,063
Cloud.....	14,556	18	133	584	130,848	1,236,851	1,221,506	15,345	1,678,327	441,976
Cloud.....	18,006	26	153	1,658	185,962	1,856,155	1,797,983	58,172	2,771,990	915,885
Coffey.....	13,663	7	36	101	29,872	257,880	253,768	4,122	374,321	116,441
Comanche.....	5,238	6	11	42	10,524	20,233	18,340	1,893	59,503	39,270
Cowley.....	40,903	47	1,178	8,482	1,694,247	23,447,940	23,118,282	329,658	32,429,568	8,981,628
Crawford.....	49,329	57	1,365	5,666	1,866,906	3,594,975	3,374,892	220,113	7,396,491	3,801,436
Decatur.....	8,866	7	17	104	18,090	82,439	78,391	4,048	145,587	63,148
Dickinson.....	25,870	38	575	2,832	808,632	4,701,217	4,706,093	85,124	6,717,004	1,925,787
Doniphan.....	14,063	5	17	230	8,809	41,532	40,569	69,051	69,051	27,519
Douglas.....	25,143	38	407	2,451	519,354	3,555,702	3,434,545	121,157	5,413,283	1,857,581
Edwards.....	7,205	6	17	204	204	181,622	176,791	4,831	283,267	101,045
Elk.....	9,210	5	7	162	6,432	14,102	11,810	2,382	43,729	29,587
Ellis.....	15,907	9	128	755	203,498	1,224,814	1,192,598	32,216	1,820,784	595,020
Ellsworth.....	10,132	14	193	1,774	224,185	1,542,026	1,494,443	47,583	2,185,741	643,715
Finney.....	11,014	9	110	5,660	119,498	811,974	753,73	58,301	1,188,971	376,997
Ford.....	20,047	20	108	880	137,868	1,269,110	1,242,988	26,122	1,932,979	603,899
Franklin.....	22,024	16	277	1,263	320,220	1,945,089	1,893,099	52,990	3,122,757	1,176,798
Geary.....	14,366	12	200	1,375	316,662	1,080,938	1,041,385	39,603	1,809,132	728,144
Greenwood.....	19,235	11	39	404	44,386	189,888	181,904	7,984	330,206	140,318
Harper.....	12,823	10	73	1,265	81,988	1,870,129	1,840,928	29,201	2,707,285	837,156
Harvey.....	22,120	19	532	2,957	794,983	4,589,652	4,474,397	115,255	6,999,070	2,410,018
Jackson.....	14,776	12	59	301	54,668	278,036	269,607	9,329	455,967	177,031
Jefferson.....	14,129	3	6	18	5,984	3,179	2,655	524	24,433	21,254
Jewell.....	14,462	5	8	19	10,388	8,998	7,669	1,329	45,500	36,502
Johnson.....	27,170	14	85	402	96,343	459,240	443,857	15,383	823,810	364,570
Kearney.....	3,196	4	14	253	11,073	84,732	-77,800	6,932	110,150	25,418
Labette.....	31,346	34	1,166	7,607	1,710,574	4,175,773	4,054,782	120,991	6,907,862	2,732,089
Leavenworth.....	42,673	46	1,162	5,207	1,259,438	5,458,336	5,301,536	156,800	8,120,399	2,661,973
Lincoln.....	9,707	5	11	207	10,215	91,840	90,679	1,164	144,184	52,344
Logan.....	4,145	5	21	123	32,452	104,802	99,534	5,268	188,792	83,990
Lyon.....	20,240	28	158	1,127	200,651	680,547	639,900	40,587	1,266,648	586,101
McPherson.....	23,588	22	136	2,469	153,767	2,843,033	2,800,889	42,144	3,902,143	1,059,110
Marion.....	20,739	19	67	616	71,815	402,969	389,860	13,130	633,695	233,705
Marshall.....	23,056	27	270	1,802	327,088	1,584,988	1,512,649	72,339	2,468,327	883,339
Miami.....	21,243	14	32	1,373	616,622	456,455	409,225	47,227	1,240,051	783,596
Mitchell.....	12,774	10	42	395	37,985	610,434	599,587	10,847	840,540	230,106

¹⁰ Crawford, Harrison, Osceola, and Van Buren Counties; combined to avoid disclosing approximations of the data for individual establishments.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

Counties—Continued	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
KANSAS—Continued										
Montgomery.....	51,411	88	3,392	27,494	\$4,561,084	\$23,935,668	\$21,993,017	\$1,942,651	\$42,745,507	\$18,809,890
Morton.....	4,092	5	13	141	14,035	80,790	77,015	3,775	130,624	40,834
Nemaha.....	18,342	14	67	155	56,343	526,311	513,180	13,131	692,284	165,978
Neosho.....	22,665	24	501	9,813	829,341	3,113,181	2,648,282	464,899	5,876,575	2,763,304
Norton.....	11,701	12	67	324	70,797	685,985	671,032	14,904	902,500	216,564
Osage.....	17,538	14	67	448	59,142	248,212	241,993	6,219	401,183	152,971
Osborne.....	11,568	12	48	278	47,047	323,108	310,838	6,300	440,744	123,551
Ottawa.....	9,819	6	19	738	25,834	302,881	298,852	4,029	443,323	140,442
Phillips.....	12,159	8	26	332	31,043	36,604	31,470	5,125	105,160	68,553
Pottawatomie.....	15,862	10	26	320	31,837	57,582	53,388	4,194	130,065	72,483
Rawlins.....	7,362	3	9	57	8,560	27,183	25,811	1,372	59,041	32,458
Reno.....	47,785	61	1,401	14,275	1,608,641	12,857,325	12,233,434	623,891	10,795,388	6,938,063
Republic.....	14,745	12	40	330	56,520	103,748	95,688	8,050	255,776	152,028
Rice.....	13,800	12	314	2,788	351,683	2,768,226	2,582,475	185,751	4,488,268	1,720,032
Riley.....	10,882	25	137	805	156,600	694,480	675,478	19,002	1,133,128	438,048
Rooks.....	9,534	4	18	40	16,598	30,760	31,230	5,530	87,850	51,090
Saline.....	29,337	55	748	5,883	942,365	14,000,179	14,663,205	236,974	10,348,058	4,447,370
Scott.....	3,976	4	12	35	9,429	60,423	28,961	0,000	31,872	31,872
Seeligswick.....	136,330	290	5,925	20,964	7,621,263	59,455,035	58,553,733	901,302	84,089,894	25,534,859
Seward.....	8,075	6	34	370	80,731	446,280	440,520	5,748	710,249	269,981
Shawnee.....	85,200	119	3,847	12,982	5,521,807	24,592,599	24,058,371	534,198	30,457,938	14,865,369
Sherman.....	7,400	6	134	458	189,911	123,255	90,540	23,715	304,326	271,071
Smith.....	13,545	5	20	98	26,103	186,952	180,339	6,613	280,276	102,324
Sumner.....	28,960	22	356	2,680	508,888	4,954,181	4,879,980	74,201	6,546,649	1,592,468
Thomas.....	7,334	5	14	95	13,602	44,883	43,860	1,023	84,097	30,814
Waubesauee.....	10,830	7	11	32	10,516	14,206	13,115	1,091	49,133	34,927
Washington.....	17,112	11	66	159	73,075	490,803	481,032	9,771	680,317	180,514
Wilson.....	18,648	31	800	10,765	1,018,698	9,459,456	8,932,607	527,449	13,554,353	4,694,807
Woodson.....	8,526	4	14	95	13,336	22,633	20,007	2,626	53,446	30,913
Wyandotte.....	141,211	170	14,035	74,919	19,425,660	258,684,066	255,980,481	2,703,625	310,873,605	58,189,599
All other counties ¹¹	289,360	119	1,470	6,637	2,023,492	12,028,314	12,374,738	253,570	17,472,518	4,844,204

KENTUCKY

The State.....	2,814,589	2,246	77,825	354,740	\$88,643,659	\$266,558,766	\$253,433,621	\$13,125,145	\$502,638,722	\$236,070,966
Counties										
Adair.....	16,401	12	68	560	43,010	127,429	125,449	1,980	255,753	128,324
Allen.....	15,180	13	225	559	160,418	67,748	65,769	1,979	200,126	222,378
Anderson.....	8,404	7	106	337	58,930	601,207	583,418	17,789	809,790	208,502
Ballard.....	9,910	9	50	290	60,266	23,201	59,485	3,716	130,344	70,088
Barran.....	24,844	19	168	914	116,913	357,107	347,663	9,534	770,964	413,767
Bell.....	38,747	24	796	1,554	482,365	2,830,499	2,839,085	47,414	3,941,658	1,055,169
Bourbon.....	18,060	9	41	358	80,234	164,371	161,410	2,961	277,855	113,484
Boyd.....	43,849	43	4,383	83,032	7,135,610	21,826,333	16,514,447	5,311,886	40,681,730	18,835,397
Boyle.....	16,282	15	262	682	389,270	332,703	294,868	37,835	922,224	589,521
Bracken.....	9,616	10	120	363	92,355	233,356	225,626	7,730	490,739	267,383
Breathitt.....	21,143	4	31	95	50,069	42,966	23,318	14,648	140,387	103,421
Breckinridge.....	17,368	16	250	1,039	233,780	411,559	396,398	15,161	1,200,154	788,595
Bullitt.....	8,868	5	16	230	11,804	41,648	38,484	3,164	69,945	28,297
Butler.....	12,620	3	25	91	9,930	4,675	4,675	0,000	45,440	40,765
Caldwell.....	13,781	9	494	777	351,037	567,110	546,418	20,692	1,161,298	594,188
Calloway.....	17,662	14	156	1,192	74,971	354,737	346,231	8,506	583,945	226,208
Campbell.....	73,391	64	4,506	29,285	6,757,926	19,603,618	18,357,049	1,246,569	33,050,834	13,467,216
Carlisle.....	7,363	9	86	262	25,278	102,952	100,434	2,518	180,069	77,117
Carroll.....	8,155	6	174	577	145,702	222,889	210,537	12,352	594,070	371,181
Carter.....	23,839	10	998	3,442	1,030,947	844,952	494,300	350,043	2,926,712	2,081,760
Casey.....	16,747	8	27	252	24,040	45,100	44,000	200	158,000	113,500
Christian.....	34,283	27	559	2,003	389,407	2,839,833	2,781,796	57,037	3,986,181	1,147,348
Clark.....	17,040	10	147	1,148	112,635	611,733	594,648	17,085	942,322	330,589
Clay.....	18,528	12	72	458	55,691	87,230	56,930	300	187,945	130,715
Clinton.....	9,004	4	45	120	26,326	28,000	28,000	0,000	70,412	42,412
Crittenden.....	11,931	9	28	273	23,000	262,671	257,194	5,477	349,492	86,321
Daviess.....	43,779	60	1,893	8,107	1,547,378	6,821,066	6,640,266	180,800	12,295,139	5,474,073
Edmonson.....	11,478	7	11	127	3,616	32,482	32,000	392	62,305	29,823
Estill.....	17,079	7	839	925	1,243,519	1,972,233	1,950,141	22,092	3,795,210	1,822,977
Fayette.....	68,543	67	869	3,430	1,167,650	4,536,936	4,427,713	109,223	8,114,857	3,577,921
Fleming.....	12,931	10	26	281	20,667	33,117	29,316	3,801	90,044	56,927
Floyd.....	41,942	8	52	210	47,434	35,129	34,682	447	140,443	105,314
Franklin.....	21,064	27	1,509	2,066	883,930	2,649,594	2,594,452	55,142	4,649,707	2,000,113
Fulton.....	14,927	17	804	2,563	689,305	1,056,781	1,014,070	41,711	2,202,078	1,146,297
Garrard.....	11,582	5	23	217	15,076	164,487	158,217	6,270	228,107	63,020
Graves.....	30,778	28	1,386	2,413	1,044,666	3,211,546	3,171,002	40,544	5,903,007	2,691,461
Grayson.....	17,055	10	96	302	51,070	243,687	241,743	1,944	422,809	179,122
Green.....	11,401	20	21	262	14,820	77,720	75,800	1,920	133,750	56,030
Greenup.....	24,554	10	1,164	3,413	1,813,976	2,809,522	2,756,613	112,909	5,347,075	2,477,552
Hardin.....	20,913	15	116	685	87,413	419,299	394,628	24,671	739,734	320,435

¹¹ Brown, Cherokee, Cheyenne, Clark, Gove, Graham, Grant, Gray, Hamilton, Haskell, Hodgeman, Kingman, Kiowa, Lane, Linn, Meade, Morris, Ness, Pawnee, Pratt, Rush, Russell, Sheridan, Stafford, Stevens, Trego, Wallace, and Wichita Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Greeley and Stanton Counties.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
KENTUCKY—Continued										
<i>Counties—Continued</i>										
Harlan.....	64,557	15	326	685	\$310,193	\$238,520	\$216,467	\$17,059	\$1,103,894	\$900,368
Harrison.....	14,859	8	27	241	34,600	59,628	55,779	3,849	148,803	89,175
Hart.....	16,160	12	14	231	12,700	167,727	164,497	3,230	232,620	64,893
Henderson.....	26,295	22	1,028	5,791	816,443	3,342,122	3,250,472	91,650	5,326,850	1,084,728
Hickman.....	8,725	5	31	208	33,226	67,145	65,796	1,349	143,033	75,888
Hopkins.....	37,449	25	381	1,398	232,510	595,808	572,953	22,855	1,169,270	563,462
Jackson.....	10,407	4	236	623	178,404	85,244	56,874	28,370	411,301	326,067
Jefferson.....	355,350	715	30,860	137,631	42,471,467	150,066,675	146,259,965	3,806,710	283,468,610	133,401,935
Jessamine.....	12,431	5	35	393	20,948	109,054	102,695	6,359	208,447	99,393
Johnson.....	22,968	7	39	185	20,008	22,698	21,104	1,594	75,626	52,928
Kenton.....	93,534	124	4,548	9,763	6,401,891	11,963,250	11,562,041	401,209	25,492,655	13,520,405
Knott.....	15,230	8	42	243	32,323	35,268	34,852	410	112,944	77,070
Knox.....	26,266	12	230	814	182,551	228,823	217,857	10,966	677,677	448,854
Larue.....	9,003	4	14	150	11,383	137,712	133,653	4,059	181,841	44,129
Laurel.....	21,109	12	23	314	21,666	76,822	72,957	3,865	159,492	82,670
Lawrence.....	16,713	4	10	139	11,478	20,570	20,504	75	42,695	22,116
Lee.....	9,729	4	61	331	32,745	50,960	49,835	1,125	109,214	58,264
Leslie.....	10,765	4	21	117	13,852	7,523	7,523	—	32,277	24,764
Letcher.....	35,702	14	89	495	69,994	112,909	109,579	3,330	308,019	195,110
Lewis.....	14,316	12	141	681	109,335	180,604	169,410	17,194	383,667	197,093
Lincoln.....	17,687	8	25	304	24,330	103,975	99,050	4,925	174,410	70,435
Logan.....	21,875	18	144	791	166,354	287,823	271,863	15,960	641,754	353,931
Lyon.....	8,530	9	163	228	95,461	1,223,631	1,211,673	11,958	1,851,674	628,043
McCracken.....	46,271	68	3,929	8,365	3,890,938	8,168,496	7,888,147	280,349	10,125,180	7,956,684
McLean.....	11,072	11	205	677	175,908	219,929	218,062	1,867	619,204	399,275
Madison.....	27,621	14	137	596	79,192	264,597	248,833	15,764	554,614	290,017
Marion.....	15,499	13	69	379	55,411	315,893	309,392	6,501	474,760	158,867
Marshall.....	12,839	8	158	224	71,088	50,821	47,550	3,271	161,759	110,938
Mason.....	18,852	15	496	2,144	461,141	2,258,787	2,205,581	53,176	3,419,882	1,161,125
Meade.....	8,042	4	64	332	37,548	180,700	178,336	2,364	262,927	82,227
Mercer.....	14,471	9	72	354	46,461	364,429	355,075	9,354	561,779	137,350
Metcalfe.....	9,373	8	18	262	12,175	51,559	51,559	—	85,818	33,759
Monroe.....	13,077	17	68	488	37,364	138,479	138,314	165	285,712	97,233
Montgomery.....	11,660	9	62	189	46,456	109,453	101,599	7,854	237,407	127,054
Morgan.....	15,130	5	16	90	11,732	9,878	8,376	1,002	33,139	23,261
Muhlenberg.....	37,784	14	194	1,004	225,673	329,961	312,612	17,349	844,763	514,802
Nelson.....	10,551	10	31	370	20,977	60,671	58,241	1,830	120,957	60,886
Nicholas.....	8,571	6	15	180	12,278	28,811	26,207	2,604	99,099	30,258
Ohio.....	24,469	8	21	419	18,266	87,087	84,188	2,899	164,928	77,841
Owsley.....	7,223	4	17	90	9,200	12,900	12,900	—	31,200	18,300
Pendleton.....	10,876	4	49	200	24,537	86,892	85,454	1,438	201,859	114,967
Perry.....	42,186	18	274	657	210,280	160,850	147,060	13,790	689,027	528,177
Pike.....	63,267	38	277	1,479	239,878	451,060	433,455	17,605	1,046,775	595,715
Pulaski.....	35,640	40	769	3,307	924,735	1,061,592	977,563	84,089	2,444,054	1,383,062
Rockcastle.....	15,149	5	41	187	22,079	77,701	70,459	7,242	120,438	48,737
Rowan.....	10,893	9	408	1,779	505,379	328,861	179,100	149,761	1,091,310	762,449
Russell.....	11,930	3	5	81	2,500	14,500	14,500	—	23,000	8,500
Scott.....	14,400	6	25	179	27,445	163,397	161,299	2,098	242,105	78,708
Shelby.....	17,679	8	33	368	33,638	158,815	146,259	13,556	312,147	153,332
Simpson.....	11,336	10	165	348	71,176	154,515	146,901	7,614	344,636	190,021
Taylor.....	12,047	11	56	628	50,960	248,089	242,214	5,875	425,884	177,795
Trigg.....	12,531	19	124	878	92,199	181,096	179,637	1,459	373,380	192,284
Union.....	17,053	9	44	481	28,278	148,636	143,344	5,292	285,158	136,522
Warren.....	33,676	26	441	2,818	439,623	1,255,154	1,188,581	66,573	2,515,785	1,260,631
Washington.....	12,623	6	16	334	15,851	268,714	263,827	4,887	343,556	74,842
Wayne.....	15,848	12	103	593	77,093	152,683	152,033	650	349,818	197,135
Webster.....	20,534	6	19	300	14,105	46,883	45,911	972	98,451	51,568
Whitley.....	29,730	12	1,391	1,318	2,028,269	763,623	710,162	53,461	3,012,764	2,249,131
Woodford.....	10,981	5	18	161	21,484	79,228	75,892	3,336	145,873	66,645
All other counties ¹²	185,120	66	860	4,539	853,747	2,098,779	2,075,875	22,904	3,757,588	1,658,809

LOUISIANA

The State.....	2,101,593	1,939	87,345	480,404	\$83,867,448	\$438,540,094	\$425,644,573	\$12,895,521	\$685,036,857	\$246,466,763
<i>Parishes</i>										
Acadia.....	39,326	27	443	3,146	305,663	7,596,166	7,467,951	33,215	9,629,381	2,123,215
Allen.....	15,261	15	1,290	10,858	1,014,652	1,867,883	1,752,472	115,411	4,725,267	2,867,384
Ascension.....	18,438	15	582	1,787	285,530	526,570	494,084	32,492	1,177,802	661,226
Assumption.....	15,990	13	260	7,580	190,244	1,238,822	1,147,199	91,623	1,754,545	515,723
Avoyelles.....	34,926	13	91	1,390	68,704	441,250	414,655	26,595	734,278	293,028
Beauregard.....	14,569	16	1,147	7,580	891,115	2,434,469	2,402,090	32,379	4,529,782	2,095,093
Bienvenue.....	23,789	12	358	1,073	249,367	481,604	464,168	17,236	1,176,784	695,330
Bossier.....	28,388	18	1,024	6,525	1,070,669	8,666,425	8,417,769	248,716	11,885,980	2,719,555
Caddo.....	124,670	111	4,253	18,506	5,297,788	33,288,953	32,413,639	875,314	49,113,936	15,824,983
Calcasieu.....	41,963	45	1,168	6,968	1,162,701	5,122,761	4,995,820	126,941	8,839,397	3,716,636

¹² Bath, Boone, Cumberland, Gallatin, Grant, Hancock, Henry, Livingston, McCreary, Magoffin, Martin, Menifee, Oldham, Owen, Powell, Robertson, Spencer, Todd, Trimble, and Wolfe Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing reported from Elliott County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
LOUISIANA—Continued										
<i>Parishes—Continued</i>										
Claiborne.....	32,285	17	717	1,891	\$567,644	\$495,134	\$484,061	\$11,073	\$1,634,278	\$1,130,144
Concordia.....	12,778	9	780	4,265	609,205	650,635	644,858	11,777	1,978,311	1,321,676
De Soto.....	31,016	13	295	1,372	294,517	555,027	539,515	16,412	1,589,930	1,054,003
East Baton Rouge.....	68,208	50	6,000	30,300	8,849,581	84,514,415	81,949,832	2,564,583	102,424,633	17,010,218
East Feliciana.....	17,449	5	154	310	113,020	71,512	69,914	1,598	320,557	249,045
Grant.....	15,709	9	1,318	5,203	1,480,395	468,694	465,533	3,161	2,994,924	2,526,230
Iberia.....	28,192	40	1,278	9,902	944,149	2,738,310	2,553,060	235,250	6,353,663	3,555,344
Iberville.....	24,638	30	1,435	11,089	935,422	2,357,453	2,266,534	90,949	4,808,084	2,450,601
Jackson.....	13,808	8	952	11,010	882,390	3,592,054	3,519,379	72,675	5,841,270	2,249,216
Jefferson.....	40,032	02	4,061	31,500	3,702,499	44,834,041	43,553,108	1,280,938	65,077,479	20,243,438
Jefferson Davis.....	10,765	12	178	833	144,357	1,034,710	1,027,987	6,723	1,554,430	519,720
Lafayette.....	38,827	30	410	3,817	427,448	1,531,387	1,454,927	76,460	2,651,906	1,120,610
Lafourche.....	32,410	22	620	7,231	342,898	2,120,596	1,977,215	143,381	3,279,701	1,159,105
La Salle.....	11,668	11	1,901	5,928	1,426,629	916,441	888,880	27,561	4,571,728	3,655,287
Lincoln.....	22,822	17	468	1,695	323,972	668,992	646,336	22,656	1,234,498	565,506
LIVINGSTON.....	18,206	27	400	1,801	298,149	180,376	179,599	777	745,235	564,869
Madison.....	14,829	9	554	1,500	543,031	514,897	504,590	10,307	1,882,374	1,367,477
Morehouse.....	23,680	20	1,222	26,281	1,496,654	6,419,722	5,739,411	680,311	11,260,680	4,840,388
Natchitoches.....	38,477	22	653	2,457	630,183	655,908	632,800	23,108	1,985,510	1,329,602
Orleans.....	458,762	736	22,592	73,050	21,120,099	82,736,172	80,495,757	2,240,415	148,388,315	65,652,143
Ouachita.....	54,337	65	2,925	25,379	3,366,527	9,386,336	8,752,843	627,493	19,644,572	10,264,236
Plaquemines.....	9,608	5	349	3,665	261,786	2,010,330	1,309,060	701,270	2,989,406	979,076
Pointe Coupee.....	21,007	11	565	1,844	369,436	515,808	501,380	14,428	1,384,563	818,785
Rapides.....	65,455	63	2,954	13,057	2,660,627	6,574,440	6,415,589	158,851	14,066,074	7,481,634
Richland.....	26,374	8	334	1,394	220,418	166,081	157,796	8,285	666,959	490,878
Sabine.....	24,110	8	1,324	5,084	930,158	531,182	528,992	2,190	3,204,193	2,733,011
St. Bernard.....	6,512	11	2,233	7,021	2,631,731	44,563,325	44,042,924	520,401	55,705,094	11,142,669
St. Landry.....	60,074	35	957	3,966	695,233	1,851,933	1,811,641	40,342	3,417,805	1,565,522
St. Martin.....	21,767	11	135	3,338	90,962	643,693	607,629	36,064	960,254	316,561
St. Mary.....	29,397	31	1,406	14,637	1,064,830	3,746,785	3,512,104	234,681	7,074,816	3,328,031
St. Tammany.....	20,929	24	626	2,099	374,508	1,306,388	1,164,913	141,475	2,467,410	1,161,022
Tangipahoa.....	46,227	33	1,556	5,357	1,347,167	1,352,754	1,299,020	53,734	4,229,107	2,876,353
Tensas.....	15,096	7	362	1,019	325,768	283,423	280,138	3,285	849,197	565,774
Terrebonne.....	29,816	23	1,373	5,540	746,858	2,178,404	2,044,218	134,246	4,247,136	2,068,672
Union.....	20,731	5	413	890	354,444	415,071	369,938	45,133	847,600	432,529
Vermilion.....	33,684	14	177	5,000	125,826	3,118,357	3,097,657	20,700	3,991,283	872,926
Vernon.....	20,047	18	1,866	6,033	1,483,817	1,704,122	1,674,742	29,380	5,364,770	3,660,648
Washington.....	29,904	25	2,932	30,422	3,524,664	7,343,507	6,759,605	583,902	17,038,795	9,695,288
Webster.....	28,458	20	1,075	2,493	969,112	738,455	703,425	35,010	2,234,163	1,495,728
West Baton Rouge.....	9,716	10	241	6,856	177,826	999,378	935,650	63,722	1,548,481	540,103
West Carroll.....	13,895	5	392	1,355	324,812	387,078	383,595	3,483	955,995	569,917
West Feliciana.....	10,924	6	121	409	106,089	33,023	78,692	4,331	325,744	242,721
Winn.....	14,760	9	392	897	308,780	720,865	691,921	28,944	1,234,298	513,433
All other parishes ¹³	166,800	58	5,996	30,790	5,810,514	49,236,942	48,458,018	778,924	66,953,224	17,716,228
MAINE										
The State.....	797,423	1,568	70,159	679,153	\$74,199,901	\$217,366,820	\$204,622,589	\$12,744,231	\$391,751,331	\$174,384,514
<i>Counties</i>										
Androscoggin.....	71,214	178	12,726	58,898	12,146,138	26,233,372	25,358,080	875,292	51,798,033	25,564,661
Aroostook.....	87,843	84	1,779	27,383	2,117,107	8,023,556	7,499,074	524,482	13,139,206	5,115,650
Cumberland.....	134,645	315	9,643	60,492	10,612,624	29,450,063	27,804,128	1,646,536	67,628,797	28,178,134
Franklin.....	19,941	66	2,610	73,859	2,817,286	8,955,111	7,908,973	401,138	15,380,940	7,015,829
Hancock.....	30,721	41	636	3,014	549,582	1,530,873	1,478,189	52,684	2,846,633	1,315,760
Kennebec.....	70,691	121	8,338	65,724	9,238,244	26,790,275	24,852,854	1,937,421	47,377,412	20,617,137
Knox.....	27,693	66	2,265	20,029	2,490,646	3,828,795	3,197,590	631,199	9,067,616	5,238,821
Lincoln.....	15,498	26	342	794	311,694	483,619	478,268	10,351	1,139,348	650,726
Oxford.....	41,483	103	5,194	57,439	5,497,296	23,733,038	22,158,138	1,574,900	35,400,544	11,767,506
Penobscot.....	92,379	193	6,560	138,230	8,282,437	38,870,813	35,892,105	2,978,708	64,661,520	25,790,707
Piscataquis.....	18,231	33	1,485	5,686	1,058,694	3,207,494	3,091,168	116,326	7,545,249	4,337,755
Sagadahoc.....	16,927	29	1,906	22,191	2,193,071	5,452,034	5,212,101	239,933	9,409,631	3,957,597
Somerset.....	39,111	79	2,500	41,593	2,906,589	9,809,114	9,348,222	460,892	15,269,952	5,460,838
Waldo.....	20,286	34	334	1,634	346,631	1,204,128	1,187,870	16,258	2,190,408	986,280
Washington.....	37,826	74	2,690	34,549	2,090,168	9,155,710	8,790,330	365,380	14,487,692	5,331,982
York.....	72,934	126	10,976	67,158	10,935,954	21,253,225	20,370,493	882,732	44,318,353	23,065,128

¹³ Caldwell, Catahoula, East Carroll, Evangeline, Franklin, Red River, St. Charles, St. Helena, St. James, and St. John the Baptist Parishes; combined to avoid dis-closing approximations of the data for individual establishments. No manufacturing was reported from Cameron Parish.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
MARYLAND										
The State.....	1,631,526	3,231	131,099	659,823	\$148,835,163	\$696,985,542	\$602,885,813	\$34,099,729	\$1,119,082,280	\$422,000,747
<i>Counties</i>										
Allegany.....	79,098	80	9,940	63,430	11,852,910	30,349,400	28,943,616	1,405,784	63,188,523	32,839,123
Anne Arundel.....	55,187	26	601	1,610	740,804	2,117,549	2,019,377	98,172	3,575,785	1,458,236
Baltimore (County).....	124,565	71	13,946	209,729	22,632,419	84,898,358	73,075,845	11,222,513	135,071,279	50,172,921
Baltimore City (independent of any county).....	804,874	2,140	85,655	293,791	96,384,335	521,939,056	503,008,745	18,930,311	814,782,197	292,843,141
Calvert.....	9,528	5	94	272	55,130	74,618	73,224	1,394	184,651	110,033
Caroline.....	17,387	66	878	1,840	490,640	2,888,136	2,829,676	58,460	4,338,633	1,450,497
Carroll.....	35,978	80	1,787	16,110	1,481,940	6,242,009	5,730,342	511,667	10,438,945	4,190,936
Cecil.....	25,827	31	1,035	4,708	1,041,272	3,386,408	3,153,825	232,583	5,712,477	2,326,069
Charles.....	16,160	6	16	172	14,864	36,287	33,110	3,177	78,771	42,484
Dorchester.....	26,813	83	1,919	3,904	1,047,402	5,903,931	5,798,354	108,577	9,064,162	3,160,281
Frederick.....	54,440	87	2,635	12,523	2,446,351	8,105,692	7,783,747	321,945	13,073,078	4,987,386
Garrett.....	19,908	12	175	466	170,053	236,806	235,545	1,261	538,343	301,537
Harford.....	31,603	74	702	2,800	520,822	1,942,188	1,885,023	57,116	3,450,775	1,508,037
Howard.....	16,169	12	806	6,891	746,527	4,271,459	4,180,866	90,593	6,724,249	2,452,790
Kent.....	14,242	18	195	1,028	128,104	722,996	706,011	16,985	1,239,799	516,803
Montgomery.....	49,206	37	230	3,264	356,625	987,028	946,888	40,140	1,862,779	875,751
Prince Georges.....	60,095	27	255	680	223,601	312,209	271,065	41,144	924,788	612,579
Queen Annes.....	14,571	24	254	1,082	153,476	761,637	732,606	19,031	1,230,623	528,336
St. Marys.....	15,189	16	45	619	26,457	136,162	130,072	6,089	238,614	96,852
Somerset.....	23,382	53	775	3,002	465,417	1,648,744	1,474,648	74,196	2,715,553	1,166,809
Talbot.....	18,583	43	709	2,009	421,853	1,514,775	1,457,890	56,876	2,568,223	1,053,448
Washington.....	65,852	100	5,748	23,316	5,679,899	14,610,701	13,871,454	639,247	29,615,204	15,004,503
Wicomico.....	31,229	86	1,971	4,112	1,842,185	2,796,628	2,667,451	139,177	6,128,075	3,331,447
Worcester.....	21,624	54	719	2,398	412,269	1,212,815	1,186,524	26,291	2,292,963	1,080,148

MASSACHUSETTS

	4,249,614	9,872	567,494	2,068,521	\$694,805,312	\$1,681,432,788	\$1,608,241,205	\$73,191,493	\$3,392,162,237	\$1,710,729,449
<i>Counties</i>										
Barnstable.....	32,305	27	225	1,242	188,006	351,160	321,896	29,264	765,522	414,362
Berkshire.....	120,700	177	20,115	81,423	25,724,498	51,234,879	47,811,812	3,423,067	110,935,084	59,700,205
Bristol.....	364,690	794	76,020	359,701	77,369,310	167,986,537	159,310,783	8,069,754	319,685,864	151,705,327
Essex.....	498,040	1,397	83,897	323,556	105,899,366	234,030,811	225,287,988	8,742,823	463,552,485	229,521,674
Franklin.....	49,612	124	5,419	39,785	6,827,763	12,381,238	11,419,590	961,648	30,604,228	18,222,990
Hampden.....	335,496	667	54,208	252,013	70,847,652	161,360,511	153,705,332	7,595,179	341,184,468	179,323,957
Hampshire.....	72,801	131	9,004	47,253	9,775,450	23,856,840	22,762,390	1,104,459	46,162,075	22,305,226
Middlesex.....	934,924	1,642	97,269	343,645	121,208,831	368,290,839	339,147,209	19,143,327	681,335,080	323,045,144
Norfolk.....	299,426	401	22,523	88,590	30,742,379	81,244,525	78,446,369	2,798,156	162,980,063	81,735,538
Plymouth.....	162,311	405	22,800	43,519	27,264,410	68,966,773	67,331,779	1,634,994	130,048,112	61,081,339
Suffolk.....	879,636	2,894	81,963	180,666	113,784,105	302,983,083	295,075,429	7,307,654	642,549,238	339,566,205
Worcester.....	491,242	1,144	89,620	306,677	105,050,701	218,708,265	206,949,187	11,759,078	462,225,239	243,516,974
All other counties (Dukes and Nantucket).....	8,631	9	31	451	53,791	43,621	21,531	22,090	134,129	90,508

MICHIGAN

	4,842,325	6,686	530,035	2,356,746	\$840,505,363	\$2,589,374,167	\$2,480,160,584	\$109,213,583	\$4,656,718,046	\$2,067,349,879
<i>Counties</i>										
Allegan.....	38,974	57	1,707	13,157	2,159,782	7,670,120	7,128,210	541,910	13,415,818	5,745,698
Alcona.....	18,574	25	1,602	23,982	1,881,973	5,020,743	4,062,530	958,213	9,164,884	4,149,641
Antrim.....	9,870	10	374	1,449	303,748	1,172,152	807,672	364,480	2,300,443	1,128,291
Barry.....	20,928	28	1,082	2,863	1,256,378	2,266,539	2,150,523	116,016	5,436,706	3,170,187
Bay.....	69,474	121	7,453	43,545	8,781,123	20,232,244	19,193,053	1,039,191	40,710,604	20,478,360
Benzie.....	6,587	7	31	47	16,404	156,242	154,578	48,441	249,671	93,247
Berrien.....	81,066	168	8,241	33,144	9,793,521	22,380,018	21,097,908	1,282,110	44,993,858	22,613,840
Branch.....	23,950	48	1,850	7,028	1,439,781	3,023,828	2,833,057	190,771	6,708,441	3,684,613
Calhoun.....	87,043	170	11,869	53,224	17,405,034	43,957,430	41,198,522	2,758,908	109,657,454	65,600,024
Cass.....	20,888	29	1,005	5,572	1,269,206	2,655,794	2,452,578	203,210	4,985,726	2,329,932
Charlevoix.....	11,981	13	299	984	324,110	1,924,306	1,875,865	48,441	3,318,297	1,393,991
Cheboygan.....	11,502	12	225	1,106	266,398	1,264,396	1,217,615	36,781	784,679	630,283
Chippewa.....	25,047	30	1,472	8,109	1,692,121	7,506,091	5,321,430	2,184,661	11,610,178	4,104,087
Clare.....	7,032	6	16	182	56,558	17,819	56,558	3,007	104,878	48,320
Clinton.....	24,174	19	135	1,100	180,320	860,519	820,636	39,833	1,242,951	382,432
Delta.....	32,280	51	2,928	26,206	3,847,655	6,908,997	6,215,006	600,991	15,815,557	8,008,650
Eaton.....	31,728	49	1,330	7,396	1,406,198	4,110,557	3,665,796	450,761	7,133,656	3,017,099
Emmet.....	15,109	29	839	7,905	1,057,682	2,756,700	2,331,919	424,781	6,088,350	3,331,650
Genesee.....	211,641	136	32,001	122,547	52,642,271	221,708,018	217,349,801	4,358,217	364,361,540	142,653,522
Gladwin.....	7,424	7	13	119	15,844	107,117	104,929	2,188	152,161	45,044
Gogebic.....	31,577	33	710	1,162	701,206	1,126,399	1,061,899	64,490	2,436,978	1,310,589
Grand Traverse.....	20,011	33	722	2,144	635,343	1,998,650	1,891,364	77,286	3,478,771	1,510,121
Hillsdale.....	30,252	30	982	6,281	1,180,255	5,743,148	5,531,173	211,975	8,581,118	2,837,970
Ishtabena.....	27,417	44	1,133	4,865	1,133,701	7,000,908	6,899,691	101,217	10,850,579	3,849,671
Houghton.....	52,861	57	1,053	8,490	1,167,002	31,515,400	31,063,551	446,849	36,424,612	4,909,212

^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
MICHIGAN—Continued										
<i>Counties—Continued</i>										
Huron.....	31,132	31	349	3,570	\$405,182	\$3,256,139	\$3,102,298	\$153,841	\$5,056,335	\$1,800,106
Ingham.....	116,587	158	19,132	74,145	28,840,477	146,060,233	144,127,173	2,535,060	222,828,301	75,868,068
Ionia.....	35,093	45	2,451	7,122	2,421,277	6,081,200	5,872,103	209,097	10,549,769	4,488,569
Iosco.....	7,517	8	275	6,023	370,940	1,094,675	874,661	220,014	1,989,303	894,628
Iron.....	20,805	10	38	143	57,730	285,565	288,689	6,876	479,239	183,674
Isabella.....	21,126	17	400	4,337	508,077	2,188,348	2,057,667	130,681	4,049,585	1,861,237
Jackson.....	92,304	138	11,375	40,963	15,662,204	39,539,355	37,043,855	1,805,500	80,123,014	40,584,259
Kalamazoo.....	91,368	200	12,145	83,107	16,907,201	53,548,073	50,781,206	2,787,867	110,906,656	57,447,583
Kent.....	240,511	501	30,979	93,476	44,756,155	81,419,576	77,834,067	3,584,009	178,126,058	96,706,482
LaPeer.....	28,348	17	396	952	593,318	1,032,097	988,000	74,097	2,422,729	1,300,632
Leelanau.....	8,205	7	30	354	25,929	309,814	307,504	2,310	421,001	111,787
Lenawee.....	49,840	87	2,569	11,161	3,136,902	11,074,922	10,468,545	606,377	19,808,399	8,738,477
Livingston.....	19,274	20	353	1,430	404,545	1,709,342	1,729,553	39,789	3,508,337	1,738,995
Luce.....	6,528	7	253	4,387	343,980	1,008,309	845,524	162,785	1,897,751	889,442
Mackinac.....	8,783	7	22	126	27,053	68,604	62,326	1,278	110,951	47,347
Mecomb.....	77,146	54	1,404	5,329	1,856,725	4,128,001	3,730,509	388,402	9,368,186	5,265,185
Manistee.....	17,409	32	1,455	10,843	1,409,440	4,067,341	3,591,967	475,374	7,360,458	3,288,117
Marquette.....	44,076	44	2,039	8,401	2,532,110	4,704,358	4,078,555	628,803	10,728,105	6,023,747
Mason.....	18,750	25	1,272	5,200	1,324,256	2,792,880	2,505,847	287,033	6,400,183	3,667,303
Mecosta.....	15,738	18	493	2,355	541,339	2,035,305	1,991,099	44,206	3,171,484	1,130,119
Menominee.....	23,652	59	2,438	15,575	2,490,047	7,202,448	6,797,487	404,961	14,000,990	6,798,542
Monroe.....	52,485	46	3,693	30,689	5,626,019	14,332,752	12,976,374	1,356,378	28,183,125	13,850,373
Montcalm.....	27,471	32	807	3,656	833,622	3,234,164	3,130,830	103,334	5,006,538	2,372,372
Montmorency.....	2,814	4	21	431	18,626	13,400	13,164	236	51,360	87,960
Muskegon.....	34,630	129	15,716	54,034	21,544,064	39,042,364	37,551,129	2,091,235	89,140,048	49,498,284
Newaygo.....	17,029	17	447	3,577	462,746	2,771,107	2,519,863	251,244	4,445,069	1,673,032
Oakland.....	211,251	140	22,828	109,468	37,500,555	173,445,212	170,543,154	2,902,058	254,837,836	81,392,624
Oceana.....	13,805	22	250	822	198,039	1,098,273	1,077,634	20,639	1,084,069	585,796
Ogemaw.....	6,595	5	11	150	13,302	56,141	54,837	1,304	98,861	42,720
Ontonagon.....	11,114	16	843	4,960	853,470	2,169,195	1,945,342	223,853	4,214,317	2,045,122
Osceola.....	12,806	9	123	312	137,511	1,375,012	1,347,229	27,783	1,839,754	464,742
Otsego.....	5,554	7	225	576	207,872	266,690	252,351	14,339	878,460	609,779
Ottawa.....	54,858	133	4,924	16,089	6,176,211	16,222,784	15,544,839	677,945	34,941,869	18,710,085
Presque Isle.....	11,330	11	202	296	130,003	528,471	520,499	7,972	831,904	303,493
Saginaw.....	120,717	171	15,217	51,722	21,962,627	32,716,860	29,863,969	2,852,907	74,557,701	41,840,925
St. Clair.....	67,563	95	5,228	33,967	7,136,945	19,446,042	17,385,687	2,060,355	37,972,129	18,526,087
St. Joseph.....	30,618	56	3,368	18,519	4,752,517	13,255,333	12,868,001	756,732	25,604,673	11,979,340
Sanilac.....	27,751	21	181	764	160,779	796,891	780,688	16,203	1,293,002	496,711
Schoolcraft.....	8,451	14	594	14,014	692,100	2,101,010	1,954,838	147,072	4,444,681	2,342,771
Shiawassee.....	39,517	60	2,421	10,050	3,181,254	6,766,109	6,271,903	494,206	14,050,050	7,283,941
Tuscola.....	32,934	23	464	2,984	727,866	1,887,286	1,767,894	119,392	3,587,443	1,700,157
Van Buren.....	32,637	54	1,158	3,270	1,269,420	3,861,402	3,718,122	143,280	7,645,578	3,784,176
Washtenaw.....	65,530	92	2,818	10,336	4,100,440	7,434,570	6,670,864	863,706	17,720,272	10,291,702
Wayne.....	1,888,946	2,666	270,424	1,137,890	474,138,128	1,441,471,248	1,381,075,610	60,395,638	2,589,772,362	1,148,301,114
Wexford.....	16,827	35	1,475	10,793	1,508,187	4,709,019	4,493,272	215,747	8,032,842	3,323,823
All other counties ¹¹	107,395	73	7,978	84,050	11,832,248	23,010,325	20,762,419	2,257,906	42,188,302	19,177,977

MINNESOTA

The State.....	2,503,953	4,315	103,414	606,704	\$132,418,195	\$768,218,329	\$741,454,482	\$20,763,847	\$1,173,213,000	\$404,995,277
<i>Counties</i>										
Aitkin.....	15,009	18	106	621	113,854	691,616	684,981	6,635	960,072	268,456
Anoka.....	18,415	23	877	4,097	1,076,907	7,124,329	6,994,346	129,983	10,161,530	3,037,201
Becker.....	22,503	29	102	1,062	110,219	1,314,870	1,292,385	21,985	1,703,019	388,149
Bolton.....	20,707	30	536	3,376	489,825	1,574,103	1,530,201	43,902	2,647,533	1,073,430
Benton.....	15,056	25	489	10,741	610,009	3,266,243	3,077,740	188,503	4,577,103	1,310,800
Big Stone.....	9,838	13	77	582	101,632	577,343	561,544	15,799	833,251	255,908
Blue Earth.....	33,847	61	611	4,189	706,919	8,354,265	8,137,607	216,658	11,294,941	2,940,076
Brown.....	33,428	48	478	4,775	575,630	9,124,563	8,915,746	208,817	11,880,646	2,766,083
Carlton.....	21,232	28	1,515	9,726	1,817,210	6,517,440	6,286,122	231,318	11,047,977	4,530,537
Carver.....	16,936	36	299	3,481	299,329	2,395,917	2,230,231	156,686	3,410,422	1,014,505
Cass.....	15,591	20	55	416	63,195	434,072	428,533	5,539	580,139	146,067
Chippewa.....	15,762	18	118	500	122,987	1,059,808	1,039,520	20,288	1,316,076	256,268
Citrus.....	13,189	30	123	1,137	133,665	2,898,147	2,846,086	52,061	3,555,630	667,483
Clay.....	23,120	21	286	979	436,458	2,582,725	2,535,605	47,120	3,648,583	1,065,858
Clearwater.....	9,546	12	40	282	35,808	611,438	605,386	6,053	720,223	108,785
Cottonwood.....	14,782	9	20	110	22,695	477,496	470,464	7,032	592,382	114,886
Crow Wing.....	25,627	25	1,431	23,591	1,928,881	6,522,409	6,202,758	319,651	9,611,494	3,089,085
Dakota.....	34,562	32	4,320	20,475	5,544,749	108,932,509	108,079,658	902,851	126,063,131	17,080,622
Dodge.....	12,127	35	74	641	92,360	1,474,003	1,451,486	23,517	1,748,495	273,892
Douglas.....	18,813	26	92	567	119,029	3,509,520	3,476,142	33,384	3,939,260	420,784

¹¹ Alcona, Alger, Arenac, Baraga, Crawford, Dickinson, Kalkaska, Keweenaw, Midland, Missaukee, Oscoda, and Roscommon Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing reported from Lake County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
MINNESOTA—Continued										
<i>Counties—Continued</i>										
Faribault.....	21,642	33	271	2,151	\$208,567	\$4,120,400	\$4,064,724	\$55,676	\$5,321,706	\$1,201,300
Fillmore.....	24,748	33	96	757	108,494	2,286,030	2,261,121	25,515	2,040,254	353,618
Freeborn.....	28,741	51	1,064	4,508	1,255,597	16,024,034	16,707,850	216,184	20,336,404	3,412,370
Goodhue.....	31,317	75	1,440	8,452	1,596,097	15,263,499	14,861,760	401,739	20,007,815	5,044,316
Grant.....	9,558	11	25	229	30,526	752,814	743,986	8,828	869,410	116,596
Hennepin.....	517,785	1,258	36,731	181,028	47,110,501	217,801,270	212,162,633	5,728,637	371,579,221	153,687,951
Houston.....	13,846	18	38	202	48,282	1,171,300	1,159,135	12,165	1,305,601	134,301
Hubbard.....	9,596	11	62	422	60,770	394,880	389,810	5,070	526,747	131,867
Isanti.....	12,081	19	48	348	62,975	932,253	916,744	15,509	1,133,862	201,039
Itasca.....	27,224	31	347	13,737	416,489	1,983,748	1,754,331	229,417	3,130,874	1,147,120
Jackson.....	15,363	20	57	790	65,279	849,382	830,430	18,952	1,058,355	208,973
Kanabec.....	8,558	9	22	166	27,618	347,785	339,166	8,619	939,201	91,416
Kandiyohi.....	23,574	31	207	848	389,384	1,681,799	1,685,310	46,489	2,289,588	607,789
Kittson.....	9,688	8	11	64	14,056	320,134	316,988	3,146	362,198	42,064
Lac qui Parle.....	15,398	13	37	384	80,111	878,207	864,906	13,301	1,184,769	306,502
Lake of the Woods.....	4,194	4	25	54	27,027	93,441	92,623	818	155,479	62,038
Le Sueur.....	17,990	26	706	5,511	905,247	11,659,884	11,500,351	159,533	14,468,173	2,808,280
Lincoln.....	11,303	10	20	79	22,008	695,513	690,706	4,807	791,428	95,216
Lyon.....	19,326	28	169	623	216,159	2,194,823	2,161,428	33,395	2,737,466	542,643
McLeod.....	20,522	33	167	1,289	176,413	2,098,772	2,055,475	43,297	3,294,227	595,455
Mahnomen.....	6,153	6	18	137	18,099	271,791	269,299	2,492	314,366	42,575
Marshall.....	17,003	17	29	255	41,147	840,925	831,227	9,698	958,995	118,070
Martin.....	22,401	26	500	2,166	520,887	3,049,385	2,969,521	79,864	5,334,534	2,285,149
Meeker.....	17,914	33	129	782	122,873	2,417,396	2,390,917	26,479	2,893,331	475,935
Mille Lacs.....	14,076	16	47	303	61,074	1,644,377	1,632,016	12,361	1,812,626	168,249
Morrison.....	25,442	37	258	6,022	332,621	3,770,465	3,645,124	125,341	5,000,499	1,230,034
Murray.....	13,902	8	30	277	62,129	726,749	718,121	8,628	859,396	132,647
Nicollet.....	16,550	21	77	460	75,134	1,208,866	1,186,609	19,197	1,489,755	280,889
Norman.....	14,061	18	34	388	40,577	812,758	803,517	9,241	960,520	147,762
Olmsted.....	35,426	44	475	2,607	524,657	3,219,505	3,060,162	159,343	4,876,702	1,687,197
Otter Tail.....	51,006	59	355	2,084	399,297	5,414,627	5,337,176	77,452	6,721,300	1,306,733
Pennington.....	10,487	13	127	187	158,200	843,940	822,436	21,504	1,152,800	308,860
Pine.....	20,264	27	75	727	89,870	1,703,907	1,684,798	19,109	2,011,388	367,481
Pipestone.....	12,238	15	91	414	109,391	1,477,110	1,451,400	25,710	1,863,916	386,806
Polk.....	36,019	40	207	3,796	278,368	4,414,688	4,294,762	119,926	5,706,140	1,291,482
Pope.....	13,085	18	109	420	148,021	945,225	920,906	24,319	1,233,814	288,589
Ramsey.....	286,721	668	24,097	100,844	31,798,139	108,119,611	102,365,168	5,754,743	212,186,973	104,007,062
Red Lake.....	6,887	10	31	581	37,448	510,065	504,850	5,215	670,034	159,969
Redwood.....	20,620	17	74	439	85,031	1,162,438	1,136,349	26,089	1,372,212	208,774
Renville.....	23,645	28	102	1,135	114,208	1,987,921	1,954,962	32,959	2,509,235	521,314
Rice.....	29,974	52	943	4,411	1,031,530	8,166,682	7,971,659	194,328	11,419,999	3,254,017
Rock.....	10,962	6	30	113	53,809	570,804	561,627	9,177	689,074	118,270
Roseau.....	12,621	11	34	298	30,814	718,737	711,811	6,926	831,170	112,433
St. Louis.....	204,596	255	0,054	81,324	12,168,968	38,668,024	31,114,600	7,553,424	67,997,100	29,329,136
Scott.....	14,116	14	165	954	211,755	1,089,116	1,041,822	47,294	1,081,408	592,362
Sherburne.....	9,709	8	35	317	42,831	518,165	504,949	13,216	741,075	222,910
Sibley.....	15,865	21	128	702	135,702	2,587,541	2,567,684	19,857	3,061,571	474,080
Stearns.....	62,121	110	2,587	13,313	3,467,528	11,697,089	11,270,217	426,842	19,113,821	7,416,762
Steele.....	18,475	46	283	1,878	318,309	2,568,165	2,504,267	63,898	3,782,009	1,213,844
Stevens.....	10,185	12	30	247	38,400	414,708	407,944	6,764	523,730	109,022
Swift.....	14,735	18	70	933	94,425	2,024,713	1,993,080	30,733	2,441,859	417,146
Todd.....	26,170	23	234	1,089	469,765	2,770,449	2,723,899	46,550	3,784,481	1,014,032
Traverse.....	7,938	7	20	62	21,046	264,709	260,941	4,068	336,617	70,908
Wabasha.....	17,613	24	290	1,560	360,668	6,182,637	6,084,496	98,141	7,654,262	1,471,715
Wadena.....	10,990	20	69	409	80,784	1,611,949	1,595,873	16,076	1,857,755	245,806
Waseca.....	14,412	26	262	1,575	291,300	4,197,902	4,138,489	59,413	5,033,259	835,357
Washington.....	24,753	36	1,790	7,588	2,228,353	22,693,887	22,270,959	322,928	27,771,000	5,177,113
Watsonwan.....	12,802	21	101	822	151,433	1,417,481	1,382,832	34,649	1,736,519	316,038
Wilkin.....	9,791	6	145	228	236,526	438,093	408,173	30,820	720,394	281,401
Winona.....	35,144	32	2,048	10,425	2,321,328	16,779,137	16,380,204	398,933	23,720,361	6,941,224
Wright.....	27,119	47	216	1,511	241,036	3,098,820	3,058,406	40,415	3,876,511	777,691
Yellow Medicine.....	16,625	13	32	233	36,105	643,085	636,148	6,937	787,593	144,511
All other counties ¹⁴	70,264	69	4,640	33,743	6,056,682	41,520,161	40,415,907	1,104,254	58,399,514	16,879,363

¹⁴ Cook, Koochiching, Lake, Mower, and Nobles Counties; combined to avoid disclosing approximations of the data for individual establishments.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
MISSISSIPPI										
The State.....	2,009,821	1,911	52,086	252,580	\$42,207,557	\$113,592,297	\$100,653,357	\$3,938,940	\$220,917,092	\$107,325,395
<i>Counties</i>										
Adams.....	23,564	30	800	3,364	614,595	1,282,296	1,233,604	48,632	3,332,236	2,049,940
Alcorn.....	23,663	35	713	2,484	465,412	1,021,837	1,855,173	66,664	3,072,366	1,150,629
Attala.....	26,035	42	1,130	6,258	762,638	2,301,168	2,230,179	70,989	4,603,407	2,302,239
Benton.....	9,813	27	119	723	58,550	62,960	62,760	210	231,250	168,200
Bolivar.....	71,051	13	117	1,390	96,258	1,102,355	1,007,722	34,633	1,612,097	409,742
Calhoun.....	18,080	71	528	3,196	322,336	673,257	671,627	1,630	1,329,120	655,863
Carroll.....	19,765	17	756	90,148	90,441	264,276	269,020	4,656	538,214	273,938
Chickasaw.....	20,835	21	224	1,399	159,974	475,994	468,067	17,927	931,629	455,635
Choctaw.....	12,339	10	76	499	45,128	133,349	132,602	747	250,115	116,766
Clalborne.....	12,152	20	358	1,504	242,461	1,087,090	1,044,062	22,428	1,653,200	580,110
Clarke.....	10,679	14	1,793	6,944	1,397,814	1,738,349	1,644,863	93,486	4,924,650	3,186,301
Clay.....	17,931	15	185	1,372	121,519	370,975	716,023	20,952	1,064,161	327,186
Coalhoma.....	46,327	23	402	3,623	364,502	3,577,302	3,488,938	88,364	4,858,238	1,280,936
Copiah.....	31,614	31	611	2,503	414,671	1,130,041	1,104,193	25,848	2,274,059	1,144,618
Covington.....	15,028	12	58	390	31,692	44,940	44,140	800	122,627	77,687
Forrest.....	30,115	46	2,244	3,602	1,992,706	4,317,143	4,134,991	182,152	9,978,718	5,661,575
Franklin.....	12,268	10	1,013	2,540	805,313	403,367	310,427	92,940	1,630,105	1,030,105
George.....	7,523	7	98	185	38,866	123,234	119,194	4,040	311,997	188,763
Greene.....	10,644	19	1,004	4,278	782,363	1,105,746	1,102,123	3,623	2,852,812	1,746,566
Grenada.....	16,802	33	592	2,379	553,348	3,412,825	3,360,020	52,805	5,582,664	2,169,739
Hancock.....	11,415	12	772	2,516	510,075	757,289	748,135	9,154	1,706,900	949,611
Harrison.....	44,143	57	1,582	3,187	1,351,847	3,556,412	3,343,640	212,763	6,850,108	3,293,669
Hinds.....	85,118	104	2,548	14,206	2,465,412	13,571,668	13,205,598	366,070	20,920,650	7,357,891
Holmes.....	38,534	31	639	2,217	577,540	787,500	755,050	32,452	2,051,040	1,263,538
Humphreys.....	24,729	9	101	1,024	244,962	394,827	373,737	21,090	1,036,088	641,261
Itawamba.....	18,225	62	317	1,768	161,314	371,380	370,740	640	773,265	401,885
Jackson.....	15,973	17	976	21,475	759,198	2,628,128	2,321,876	206,252	5,292,538	2,764,410
Jasper.....	18,634	16	427	1,507	270,532	301,705	274,974	26,731	1,002,094	700,389
Jefferson.....	14,291	11	91	294	64,808	43,180	40,905	2,275	147,846	104,666
Jefferson Davis.....	14,281	9	77	373	41,221	67,159	65,963	1,190	156,920	89,761
Jones.....	41,492	47	4,037	22,454	3,583,654	6,896,533	6,486,455	410,078	17,232,811	10,336,278
Kemper.....	21,881	27	964	5,332	843,280	914,011	869,934	44,077	2,531,677	1,617,666
Lafayette.....	10,978	29	171	1,028	110,600	319,138	314,842	4,296	571,420	252,282
Lauderdale.....	52,748	65	1,674	6,988	1,285,215	7,851,276	7,431,309	219,967	12,014,869	4,363,593
Lawrence.....	12,471	8	146	397	95,997	112,537	111,437	1,100	269,924	157,387
Leake.....	21,803	13	248	940	151,679	293,762	287,896	5,866	724,021	430,259
Lee.....	35,313	32	906	2,830	539,067	3,169,237	3,067,712	101,525	4,887,658	1,718,421
Leflore.....	53,506	29	589	4,452	486,327	5,643,421	5,533,169	110,252	7,540,609	1,966,088
Lincoln.....	23,357	23	957	4,345	965,276	1,415,974	1,359,403	56,571	3,787,776	2,371,802
Lowndes.....	20,987	27	862	3,303	669,901	1,803,405	1,695,217	108,188	3,446,366	1,642,961
Madison.....	35,796	20	533	2,327	440,685	598,375	586,205	12,080	1,602,289	1,093,914
Marion.....	19,923	16	755	3,304	749,849	749,095	722,320	26,775	1,582,044	1,132,949
Marshall.....	24,869	14	78	526	54,232	138,280	132,881	5,399	266,416	158,136
Monroe.....	30,141	41	406	2,625	281,194	726,580	710,409	16,171	1,612,092	885,612
Montgomery.....	15,099	34	343	2,241	175,197	1,103,256	1,074,692	26,164	1,645,800	442,544
Neshoba.....	26,091	13	1,080	4,009	934,531	593,955	560,454	33,501	2,291,747	1,697,792
Newton.....	22,910	20	434	2,455	292,699	1,191,360	1,158,794	32,566	2,206,027	1,014,667
Noxubeh.....	25,560	20	449	2,389	308,214	842,631	825,295	17,336	1,485,280	642,749
Oktibbeha.....	19,119	29	413	2,965	263,331	1,883,453	1,839,337	44,116	2,688,652	806,499
Panola.....	28,648	14	123	1,190	82,818	613,034	601,410	12,215	855,141	241,607
Pearl River.....	19,405	22	2,254	0,366	1,988,051	2,192,471	2,163,877	28,594	5,965,241	3,772,770
Perry.....	8,197	9	245	1,136	124,875	179,717	175,387	4,330	454,201	274,484
Pike.....	32,201	25	1,825	5,648	1,861,120	2,692,859	2,547,377	145,482	5,568,840	2,875,981
Pontotoc.....	22,034	11	59	580	34,872	301,841	287,702	13,639	402,551	101,210
Prentiss.....	19,265	22	242	576	92,721	55,700	45,106	10,595	221,461	165,761
Quitman.....	25,304	6	27	255	20,451	15,686	13,789	1,897	68,554	52,868
Rankin.....	20,353	20	973	3,616	742,586	1,835,276	1,795,618	39,658	3,474,669	1,639,293
Scott.....	20,914	16	920	2,158	744,268	668,008	645,523	22,485	2,841,744	1,673,736
Simpson.....	20,897	10	816	4,264	632,079	1,272,137	1,258,215	13,922	2,375,761	1,103,624
Sunflower.....	66,364	12	151	1,335	122,233	1,034,491	1,001,919	32,572	1,455,799	421,308
Tallahatchie.....	35,568	11	407	1,684	272,807	1,134,329	1,077,001	57,328	1,735,812	601,488
Tata.....	17,671	4	14	97	14,340	11,389	9,200	2,189	35,879	24,490
Tippah.....	18,668	21	114	1,093	65,474	151,175	150,350	825	282,275	131,100
Tishomingo.....	10,411	58	457	2,672	270,875	656,149	647,786	8,363	1,189,862	533,713
Union.....	21,268	22	250	791	107,795	267,733	257,374	10,359	708,373	440,640
Walthall.....	13,871	8	80	417	54,357	101,348	99,866	1,482	238,489	132,141
Warren.....	35,785	44	1,685	6,752	1,846,868	2,781,475	2,636,900	144,485	7,046,497	4,265,022
Washington.....	54,310	39	1,387	5,445	1,121,678	5,082,035	5,801,447	180,588	9,278,169	5,289,134
Wayne.....	15,295	15	514	1,795	301,214	621,429	616,764	4,665	1,320,931	704,002
Webster.....	12,128	36	313	1,368	158,643	150,279	150,279	-----	465,454	315,175
Winston.....	21,239	34	840	2,684	572,116	1,438,063	1,369,943	68,120	2,455,111	1,017,408
Yalobusha.....	17,760	27	279	1,775	316,669	592,470	578,385	14,004	1,141,131	548,652
Yazoo.....	37,262	22	493	2,392	325,463	1,006,024	972,221	33,803	1,974,568	668,484
All other counties ¹⁶	136,908	66	2,681	12,248	2,383,008	3,537,137	3,450,364	86,773	9,741,271	6,204,134

¹⁶ Amite, De Soto, Lamar, Sharkey, Smith, Stone, Tunica, and Wilkinson Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Issaquena County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
MISSOURI										
The State.....	3,620,367	5,765	202,879	717,978	\$240,368,692	\$1,130,658,082	\$1,111,265,172	\$28,392,910	\$1,917,155,275	\$777,407,193
<i>Counties</i>										
Atchison.....	13,421	5	11	254	11,263	15,665	12,876	2,789	66,421	50,756
Audrain.....	22,077	28	1,905	7,432	1,811,067	2,934,517	2,226,753	708,764	7,074,351	4,139,834
Barry.....	22,803	42	264	2,720	157,530	523,076	506,536	17,140	908,103	384,427
Barton.....	14,560	14	105	831	99,486	306,002	272,368	33,634	547,708	241,704
Bates.....	22,068	14	53	456	62,614	359,896	348,502	11,393	524,066	104,171
Benton.....	11,708	8	17	186	11,942	38,217	37,642	575	70,221	32,004
Bollinger.....	12,269	12	110	442	74,714	91,699	88,649	3,050	217,077	125,378
Boone.....	30,935	27	615	2,608	618,317	1,573,301	1,409,215	104,085	3,067,970	1,494,075
Buchanan.....	98,533	144	7,499	39,772	8,988,231	109,197,783	107,944,625	1,253,158	136,605,999	27,408,218
Butler.....	23,697	23	628	1,790	521,786	1,130,698	1,102,980	27,718	2,433,401	1,302,768
Caldwell.....	12,599	6	14	145	13,319	55,598	54,316	1,282	100,918	45,320
Callaway.....	19,923	12	431	974	284,543	680,477	684,214	55,263	1,345,580	650,109
Capo Girardeau.....	33,203	43	2,160	16,194	2,228,896	9,441,665	9,076,310	365,355	16,061,765	6,020,100
Carroll.....	19,940	14	32	330	33,701	150,366	139,694	10,672	217,974	107,248
Carter.....	5,503	8	175	350	131,627	52,865	46,865	6,000	217,974	165,109
Cass.....	20,962	19	241	876	259,900	680,242	592,754	37,488	1,373,456	743,268
Cedar.....	11,136	7	12	182	10,701	50,874	47,388	3,486	101,036	51,062
Charlton.....	19,583	11	35	284	41,005	120,201	110,943	9,348	235,182	114,891
Christian.....	13,169	16	66	391	34,856	580,730	574,737	5,993	605,415	114,686
Clark.....	10,254	5	55	298	41,770	170,873	174,538	5,335	308,620	128,763
Clay.....	26,811	62	2,261	16,654	2,757,880	26,425,877	25,773,901	651,976	41,780,383	15,354,506
Clinton.....	13,505	15	100	352	80,899	318,887	307,405	11,482	519,887	201,000
Cole.....	30,848	31	1,536	2,297	1,379,673	4,128,549	4,022,490	106,059	9,318,324	5,189,775
Cooper.....	19,522	15	382	1,009	272,977	1,114,370	1,082,137	32,233	1,842,277	727,907
Crawford.....	11,287	5	3	144	3,300	49,364	48,621	843	71,737	22,373
Dade.....	11,764	7	13	118	7,108	26,681	25,541	1,140	49,141	22,400
Dallas.....	10,541	7	14	86	9,345	73,283	72,515	768	111,098	37,515
Davies.....	14,424	11	35	178	34,668	406,344	399,308	7,036	540,408	134,004
Dent.....	10,974	31	267	779	134,518	420,831	416,001	4,770	702,617	281,780
Douglas.....	13,959	10	44	259	34,309	65,130	64,010	1,120	146,620	81,499
Dunklin.....	35,799	18	515	1,149	314,301	730,015	709,879	21,036	1,363,308	632,393
Franklin.....	30,519	43	2,630	3,523	1,960,789	11,634,289	11,547,005	87,284	17,970,881	6,336,692
Gasconade.....	12,172	18	733	1,585	632,068	2,321,020	2,295,775	25,254	3,765,992	1,444,003
Gentry.....	14,348	11	68	184	80,996	103,570	95,667	7,903	245,000	142,030
Greene.....	82,929	105	3,726	18,641	4,468,073	18,322,432	17,717,835	604,597	28,825,030	10,562,698
Grundy.....	16,135	12	328	536	491,903	1,012,583	962,360	50,217	1,088,465	675,882
Harrison.....	17,233	9	17	155	19,019	36,969	32,431	4,538	57,894	27,894
Henry.....	22,931	21	443	2,150	364,731	2,137,167	1,978,512	158,655	2,916,787	779,620
Hickory.....	6,439	5	6	154	4,763	57,495	56,475	1,020	77,691	20,196
Holt.....	12,720	6	22	73	21,144	16,430	15,470	961	74,753	58,323
Howard.....	13,490	9	131	1,057	200,567	103,369	78,398	24,971	357,249	253,880
Howell.....	19,672	27	114	634	78,916	457,800	440,984	10,816	821,555	303,755
Iron.....	9,642	13	40	294	22,350	39,248	39,113	135	114,975	75,727
Jackson.....	470,454	947	32,036	123,208	41,521,925	226,228,594	221,512,073	4,715,511	382,584,000	156,355,425
Jasper.....	73,810	137	3,741	15,289	3,435,724	20,991,286	20,325,862	665,424	34,032,168	13,070,882
Jefferson.....	27,563	21	2,395	35,027	2,814,630	12,320,308	11,328,444	997,864	18,448,248	6,121,040
Johnson.....	22,413	17	176	795	137,634	1,416,086	1,377,953	39,033	1,805,950	388,964
Knox.....	9,658	5	29	193	26,870	85,931	84,005	1,926	163,742	77,811
Laclede.....	16,320	15	266	255	129,978	653,917	644,164	9,753	900,032	240,115
Lafayette.....	29,259	24	452	1,446	383,595	1,877,558	1,836,592	40,966	2,035,800	1,058,248
Lawrence.....	23,774	27	399	1,484	281,902	2,840,258	2,795,508	44,690	4,547,870	1,707,618
Lewis.....	12,093	11	314	2,719	255,010	501,608	492,939	8,669	893,165	391,557
Lincoln.....	13,929	14	58	422	45,840	184,958	175,337	9,621	382,066	197,108
Linn.....	23,339	15	527	1,022	501,659	1,378,654	1,337,331	41,323	2,279,187	900,533
Livingston.....	18,615	24	324	1,611	279,649	1,789,502	1,701,842	87,660	2,605,040	815,544
McDonald.....	13,936	9	95	402	28,215	132,697	120,574	3,123	217,275	84,578
Macon.....	23,070	9	53	271	54,196	302,289	351,151	11,138	535,864	173,575
Madison.....	9,418	8	291	585	226,635	117,995	106,717	11,275	464,753	346,758
Marion.....	33,493	43	3,886	7,180	3,950,467	11,152,105	10,850,952	301,153	21,204,936	10,112,831
Mercer.....	9,350	4	10	57	6,933	5,397	4,992	405	34,325	28,928
Miller.....	16,728	10	214	265	171,462	445,320	428,281	17,039	723,887	278,607
Mississippi.....	15,762	9	91	573	69,134	114,640	108,920	5,720	312,543	179,603
Moniteau.....	12,173	11	215	826	193,150	966,463	935,411	31,052	1,413,400	446,637
Monroe.....	13,466	9	96	270	105,090	601,082	590,227	10,852	891,795	290,743
Montgomery.....	13,011	10	202	745	196,765	598,962	498,430	100,532	981,894	382,932
Morgan.....	10,968	9	126	372	63,049	226,707	220,090	6,617	468,748	242,041
New Madrid.....	30,262	15	447	1,323	425,695	880,189	878,061	8,128	1,084,330	798,147
Newton.....	26,959	26	331	1,512	260,419	2,842,404	2,798,383	44,021	3,967,149	1,124,745
Nodaway.....	26,371	19	114	266	120,478	411,490	397,424	14,066	719,079	308,486
Oregon.....	12,220	23	303	1,006	227,435	240,379	226,691	13,688	607,040	306,661
Osage.....	12,462	5	12	246	12,564	220,808	217,446	3,362	264,504	43,690
Ozark.....	9,587	8	74	450	46,316	46,379	43,379	1,000	139,285	91,000
Pemiscot.....	37,284	19	283	1,490	168,708	417,360	406,315	11,045	788,493	370,636
Pettis.....	24,664	33	2,325	6,421	3,103,134	4,669,625	4,514,028	155,597	9,238,841	4,560,216
Phelps.....	15,308	11	58	368	36,058	109,079	100,779	8,300	207,938	98,860

^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
MISSOURI—Continued										
<i>Counties—Continued</i>										
Pike.....	18,001	14	202	1,009	\$223,577	\$847,626	\$788,770	\$58,856	\$1,077,512	\$829,886
Platte.....	13,819	8	21	300	25,900	257,634	247,404	10,230	428,563	170,919
Polk.....	17,803	18	42	367	31,212	209,383	193,706	6,677	312,074	111,091
Pulaski.....	10,755	5	15	134	8,787	27,288	26,425	863	66,457	20,169
Putnam.....	11,503	6	13	123	8,107	17,267	16,173	1,094	57,076	30,809
Randolph.....	20,431	22	1,033	3,644	915,098	5,917,839	5,845,869	71,970	8,708,878	2,791,039
Ray.....	19,840	10	27	196	28,475	71,207	63,826	7,381	100,586	89,379
Reynolds.....	8,923	13	250	612	101,928	143,941	137,010	6,931	409,535	265,594
Ripley.....	11,170	15	79	498	47,029	74,868	71,017	3,851	100,733	115,865
St. Charles.....	24,364	21	1,588	3,412	1,814,127	6,367,037	6,242,153	124,884	10,424,708	4,067,671
St. Clair.....	13,289	7	48	596	38,847	50,910	33,924	16,986	110,495	65,585
St. Francois.....	35,832	26	281	1,497	250,561	604,490	547,087	56,803	1,119,700	515,210
St. Louis.....	211,593	99	5,861	42,273	7,006,201	19,774,523	17,577,435	2,197,088	46,442,197	25,667,674
St. Louis city (independent of any county).....	821,960	2,708	100,010	293,011	134,880,814	583,580,649	571,051,003	12,529,040	1,022,713,490	439,132,841
Ste. Genevieve.....	10,097	14	429	2,322	617,402	1,254,777	942,262	312,515	2,194,179	939,402
Saline.....	30,598	27	1,449	2,052	1,517,736	9,402,383	9,310,116	92,267	12,716,308	3,313,925
Scotland.....	8,853	3	12	18	8,899	14,012	12,441	1,571	30,760	22,748
Scott.....	24,913	25	1,090	2,113	995,253	5,654,116	5,572,906	81,150	7,742,844	2,088,723
Shannon.....	10,894	18	308	971	213,714	224,593	218,077	6,516	634,452	409,859
Shelby.....	11,983	8	22	310	25,872	34,198	29,590	4,608	95,368	61,170
Stoddard.....	27,452	20	327	994	192,165	791,830	776,593	15,267	1,180,902	389,162
Stone.....	11,614	23	213	402	93,098	386,568	381,915	4,653	665,725	279,157
Taney.....	8,867	4	24	132	7,594	20,421	20,168	253	45,611	25,190
Texas.....	18,530	20	97	769	74,989	473,085	463,904	9,781	695,715	222,030
Vernon.....	25,031	18	270	905	402,100	722,099	699,312	23,387	1,358,266	635,557
Warren.....	8,082	9	112	158	65,456	209,325	201,009	7,416	355,583	146,258
Washington.....	14,450	11	167	622	129,195	132,480	6,146	328,667	196,187	196,187
Wayne.....	12,243	16	54	479	45,167	107,446	106,118	1,328	228,390	120,944
Webster.....	16,148	24	111	527	62,718	908,416	899,181	7,235	1,129,430	223,023
Wright.....	16,741	19	44	424	24,261	187,805	184,334	3,471	289,033	101,228
All other counties ¹⁷	113,704	54	1,972	21,623	1,910,341	8,262,230	7,408,915	853,315	13,522,242	5,260,012
MONTANA										
The State.....	537,606	589	14,869	197,781	\$24,214,895	\$200,845,438	\$202,615,534	\$7,220,904	\$271,004,446	\$61,240,008
<i>Counties</i>										
Beaverhead.....	6,654	7	36	209	68,039	80,481	79,393	7,088	208,833	117,352
Blaine.....	9,006	6	50	996	83,379	538,344	513,486	24,858	770,220	231,876
Carbon.....	12,571	14	99	449	103,727	414,727	405,800	8,927	702,038	287,311
Cascade.....	41,146	14	2,350	47,526	4,320,668	98,217,932	96,111,693	2,105,339	116,695,176	18,478,144
Custer.....	11,242	51	352	932	517,824	1,582,132	30,901	30,901	2,438,185	850,053
Deer Lodge.....	16,293	21	2,659	87,407	5,304,186	60,165,561	57,344,724	2,820,837	71,576,539	11,410,978
Fergus.....	16,531	21	285	4,309	470,944	3,084,823	2,880,705	204,118	4,588,234	1,503,411
Flathead.....	10,200	42	1,241	6,125	1,771,283	3,017,563	2,920,931	96,632	5,928,423	2,910,860
Gallatin.....	10,124	23	262	5,158	408,908	2,185,593	2,002,390	183,173	3,957,324	1,771,791
Granite.....	3,013	4	17	156	25,648	11,591	11,591	488	53,438	41,897
Hill.....	13,775	10	396	1,393	651,643	711,273	650,539	60,434	1,562,431	851,158
Jefferson.....	4,133	6	21	24	29,800	83,856	83,019	837	154,408	70,562
Lake.....	9,541	13	148	557	147,114	292,808	289,371	3,497	620,978	328,110
Lewis and Clark.....	18,224	29	617	6,518	1,059,349	13,230,899	12,389,181	841,788	16,474,949	8,243,980
Lincoln.....	7,089	22	754	5,387	1,108,770	523,040	467,344	55,696	2,660,772	2,137,732
Madison.....	6,323	4	9	53	8,800	58,095	56,923	1,172	88,827	30,732
Missoula.....	21,782	34	1,800	10,721	2,302,201	3,567,208	3,423,349	138,859	7,730,068	4,162,860
Musselshell.....	7,242	7	20	55	31,451	111,429	108,241	3,188	192,168	80,739
Park.....	10,922	15	510	2,435	794,603	713,412	660,117	44,295	1,731,328	1,017,916
Pondera.....	6,964	5	14	69	22,285	159,064	155,470	3,594	208,518	49,484
Ravalli.....	10,315	16	184	637	229,984	804,765	785,942	18,823	1,295,139	490,374
Richland.....	9,633	7	94	1,819	104,664	1,089,462	1,049,537	39,875	1,626,412	536,950
Roosevelt.....	10,672	4	10	28	13,004	20,459	19,445	1,014	68,566	45,107
Sanders.....	5,692	15	363	541	467,401	1,061,412	1,048,564	12,848	1,913,141	861,729
Sheridan.....	9,869	6	11	88	15,150	38,193	35,212	2,981	77,081	38,888
Silver Bow.....	56,969	60	841	3,493	1,421,239	5,538,335	5,369,344	168,991	9,201,227	3,602,892
Stillwater.....	6,253	3	10	92	15,935	52,160	51,249	911	122,115	69,955
Sweet Grass.....	3,944	4	8	85	13,520	82,856	82,076	780	109,659	26,803
Valley.....	11,181	4	12	202	14,844	121,750	117,174	4,576	211,005	89,255
Wheatland.....	3,751	9	127	939	196,568	1,549,066	1,516,326	32,740	2,300,156	751,090
Yellowstone.....	30,785	48	839	5,841	1,323,591	5,613,642	5,438,032	175,610	9,014,780	3,401,108
All other counties ¹⁸	120,767	65	680	3,537	1,063,213	5,113,307	4,982,785	135,522	6,520,288	1,701,931

¹⁷ Adair, Andrew, Camden, De Kalb, Maries, Perry, Ralls, Schuyler, Sullivan, and Worth Counties; combined to avoid disclosing approximations of the data for individual establishments.

¹⁸ Big Horn, Broadwater, Carter, Chouteau, Daniels, Dawson, Fallon, Garfield, Glacier, Golden Valley, Judith Basin, McCone, Meagher, Mineral, Petroleum, Phillips, Powder River, Powell, Prairie, Rosebud, Teton, Toole, Treasure, Wibaux Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Liberty County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
NEBRASKA										
The State.....	1,377,903	1,491	28,212	169,210	\$36,881,112	\$364,174,710	\$357,509,696	\$6,665,014	\$484,168,409	\$119,093,699
<i>Counties</i>										
Adams.....	26,275	45	618	2,988	735,481	3,890,814	3,745,602	145,212	6,350,692	2,459,578
Antelope.....	15,206	9	13	371	13,245	214,693	210,911	3,782	332,866	118,173
Boone.....	14,738	9	23	168	27,937	112,054	107,799	4,255	191,121	79,067
Box Butte.....	11,801	9	204	766	479,626	1,396,207	1,329,129	67,078	2,205,335	809,128
Brown.....	5,772	9	43	451	65,194	286,762	273,526	13,236	432,500	145,738
Buffalo.....	24,338	22	121	951	161,107	1,154,376	1,105,231	49,145	1,725,735	671,359
Burt.....	13,062	8	33	334	37,622	44,027	33,823	10,204	131,435	87,408
Butler.....	14,410	10	22	406	28,634	95,813	85,918	6,895	232,145	130,332
Cass.....	17,684	13	407	7,229	599,287	960,261	622,737	337,524	2,422,113	1,461,852
Cedar.....	16,427	10	28	152	29,445	99,791	92,942	6,849	215,039	115,248
Chase.....	5,484	7	11	158	8,400	72,284	71,200	1,084	110,930	38,646
Cheyenne.....	10,187	9	75	516	116,734	195,972	179,507	16,465	406,097	210,125
Clay.....	13,671	10	48	703	49,154	370,227	360,314	9,413	534,202	163,975
Colfax.....	11,434	9	35	1,082	38,430	408,973	456,684	12,289	647,881	178,608
Cuming.....	14,327	10	26	109	26,436	68,710	61,668	7,042	172,619	103,900
Custer.....	29,189	9	18	102	21,691	38,115	32,275	5,840	117,427	79,312
Dawes.....	11,493	13	185	932	299,390	374,065	333,499	40,566	809,390	435,325
Dawson.....	17,875	19	66	616	78,555	745,390	726,528	18,862	1,036,840	291,450
Dixon.....	11,580	4	13	6	5,563	9,703	8,634	1,129	32,852	23,089
Dodge.....	25,273	49	447	2,006	486,058	3,879,669	3,795,160	84,509	5,557,430	1,677,701
Douglas.....	232,982	445	16,339	82,959	21,636,998	280,042,267	276,832,987	3,159,280	355,635,084	75,593,417
Fillmore.....	12,971	10	41	181	48,376	75,999	71,033	4,966	231,151	155,152
Franklin.....	9,094	7	15	166	17,301	158,548	152,392	6,156	263,864	105,316
Furnas.....	12,140	12	30	342	33,732	398,679	389,681	8,998	652,484	153,805
Gage.....	30,242	33	738	3,062	906,342	4,825,621	4,706,798	118,823	7,399,890	2,574,289
Greeley.....	8,442	6	10	554	9,736	263,285	260,577	2,708	328,738	65,453
Hall.....	27,117	43	589	4,844	720,112	4,225,134	4,016,528	208,606	6,527,900	2,302,766
Hamilton.....	12,160	8	41	340	48,732	1,172,591	1,157,190	15,401	1,417,206	244,615
Hitchcock.....	7,299	11	28	415	28,324	106,527	99,665	6,862	175,856	69,329
Holt.....	16,509	8	34	93	40,374	392,584	387,455	5,129	498,149	105,565
Howard.....	10,020	7	15	67	17,411	89,891	87,139	2,752	136,834	60,943
Jefferson.....	16,409	17	250	1,397	303,490	1,528,386	1,456,702	71,684	2,230,853	702,467
Johnson.....	9,167	8	44	133	45,369	288,041	283,933	4,108	401,450	113,409
Johnson.....	9,167	8	25	239	27,866	152,218	147,552	4,666	254,558	102,340
Kearney.....	8,094	6	25	67	64,240	224,830	221,393	3,437	459,473	234,643
Keith.....	6,721	8	48	57	64,240	224,830	221,393	3,437	459,473	234,643
Kimball.....	4,675	5	13	24	13,831	93,491	88,779	4,712	142,782	49,291
Knox.....	19,110	13	40	305	40,086	248,504	242,282	6,222	395,934	147,430
Lancaster.....	100,324	164	3,093	20,033	4,185,236	16,978,777	16,427,161	551,616	28,829,736	11,850,959
Lincoln.....	25,627	18	469	2,900	713,080	935,042	842,666	92,376	2,093,059	1,158,017
Madison.....	26,037	34	391	1,580	488,532	2,394,021	2,304,990	89,031	3,848,356	1,454,335
Morrick.....	10,619	12	50	412	59,620	467,088	450,514	17,174	651,520	193,832
Nance.....	8,718	5	7	41	8,945	142,167	139,935	2,232	190,701	48,634
Nemaha.....	12,356	6	15	190	16,180	73,628	68,833	4,695	133,169	59,431
Nuckolls.....	12,629	16	199	3,283	260,483	2,469,820	2,156,620	313,200	3,428,512	958,692
Phelps.....	9,201	9	47	360	55,283	379,813	364,839	14,979	537,434	177,616
Platte.....	21,181	24	165	1,565	194,108	1,281,771	1,242,688	39,083	1,836,290	554,519
Polk.....	10,092	5	7	134	6,169	15,967	15,246	721	48,035	32,668
Redwillow.....	13,859	17	265	633	414,074	432,727	395,941	36,786	1,074,914	642,187
Richardson.....	19,820	19	179	1,232	281,797	1,369,175	1,327,877	41,298	2,043,594	674,419
Sarpy.....	10,402	3	11	119	11,958	45,574	40,463	5,111	95,414	49,810
Saunders.....	20,167	12	44	296	60,879	354,761	346,441	8,320	655,372	300,611
Seward.....	15,938	10	40	586	45,069	334,175	327,431	6,744	462,254	128,079
Sheridan.....	10,793	9	19	166	18,223	67,554	65,404	2,150	128,308	60,754
Sheridan.....	7,809	6	10	42	11,579	188,759	186,355	2,404	240,401	51,642
Stanton.....	13,084	13	234	505	134,381	582,655	570,260	12,405	944,215	361,660
Thayer.....	9,533	6	17	154	19,835	197,906	192,816	5,090	287,728	89,822
Valley.....	12,095	14	65	327	54,622	180,130	165,877	14,259	347,866	167,720
Washington.....	10,566	7	22	87	66,177	62,510	62,510	3,667	149,423	83,246
Wayne.....	10,210	11	27	226	25,064	237,186	233,208	3,978	409,379	172,193
Webster.....	17,239	15	86	580	98,090	229,215	199,529	29,686	480,748	251,533
York.....	218,695	127	1,927	18,638	2,369,294	25,995,549	25,063,529	902,020	34,513,940	8,518,397
All other counties ¹⁰										

NEVADA

The State.....	91,058	123	2,200	27,197	\$3,535,425	\$25,651,871	\$24,900,633	\$751,238	\$33,717,059	\$8,065,188
<i>Counties</i>										
Churchill.....	5,075	9	36	471	49,477	398,529	389,472	9,057	540,755	142,226
Clark.....	8,532	9	335	3,402	593,283	581,441	430,948	150,493	1,387,858	806,417
Elko.....	9,960	12	213	481	366,643	345,708	295,247	50,456	512,994	467,291
Humboldt.....	3,795	3	40	36	69,084	58,139	49,470	8,669	168,846	110,707
Nye.....	3,989	4	12	72	21,184	24,807	21,496	3,311	87,221	62,414
Ormsby.....	2,221	6	37	188	44,602	33,279	29,405	3,874	109,172	75,893
Pershing.....	2,652	5	35	249	57,306	132,024	118,691	13,333	265,921	133,897
Washoe.....	27,158	51	964	8,449	1,507,123	3,581,657	3,382,910	198,747	6,724,151	3,142,494
All other counties ²⁰	27,670	24	528	13,849	876,723	20,496,292	20,182,994	313,298	23,620,141	3,123,849

¹⁰ Boyd, Cherry, Dakota, Deuel, Dundy, Frontier, Garden, Garfield, Gosper, Grant, Harlan, Hayes, Keyapaha, Logan, Morrill, Otoe, Pawnee, Perkins, Pierce, Rock, Saline, Scotts Bluff, Sherman, Sioux, and Thurston Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Arthur, Banner, Blaine, Hooker, Loup, McPherson, Thomas, and Wheeler Counties.

²⁰ Douglas, Esmeralda, Eureka, Lander, Lincoln, Lyon, Mineral, and White Pine Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Storey County.

^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
NEW HAMPSHIRE										
The State.....	465,293	1,075	65,511	402,147	\$70,513,919	\$185,402,323	\$176,903,427	\$8,498,890	\$332,534,753	\$147,132,430
Counties										
Belknap.....	22,623	40	2,188	5,907	2,219,250	2,822,020	2,680,711	141,300	9,671,050	6,849,630
Carroll.....	14,277	37	580	4,465	595,164	706,636	669,073	37,663	1,563,072	1,156,430
Cheshire.....	33,685	123	4,656	21,436	5,106,791	12,264,131	11,743,455	520,676	23,446,189	11,182,058
Cos.	38,959	36	4,475	110,213	6,068,095	24,028,129	21,381,830	2,646,299	39,765,987	15,737,858
Grafton.....	42,816	95	3,165	24,134	3,323,407	9,031,257	8,485,254	546,003	15,718,470	6,687,222
Hillsborough.....	140,165	300	28,650	134,537	20,211,141	84,244,337	81,876,558	2,367,779	142,083,828	57,839,491
Merrimack.....	58,152	131	7,020	33,018	8,071,028	17,782,903	17,265,029	517,874	33,509,286	15,726,323
Rockingham.....	53,750	116	4,272	16,366	4,592,606	8,798,041	8,321,875	470,166	18,239,622	9,441,551
Strafford.....	38,530	88	7,164	30,617	7,340,106	17,537,176	16,780,280	756,896	31,496,424	13,956,248
Sullivan.....	24,286	49	3,341	22,054	3,986,331	8,187,633	7,699,362	488,271	16,740,216	8,552,583
NEW JERSEY										
The State.....	4,041,334	8,388	442,328	1,645,408	\$610,566,378	\$2,165,727,126	\$2,090,863,202	\$74,873,924	\$3,937,156,775	\$1,771,429,649
Counties										
Atlantic.....	124,823	189	3,569	11,916	4,180,276	6,965,076	6,239,195	725,881	17,377,151	10,412,075
Bergen.....	364,977	406	23,775	106,233	32,766,520	131,366,000	126,544,965	4,821,035	209,174,243	77,808,243
Burlington.....	33,541	118	9,587	26,648	12,136,706	24,909,486	22,819,789	2,089,697	50,297,166	25,396,650
Camden.....	252,312	316	33,736	125,745	42,208,892	153,361,308	148,060,942	5,300,366	302,180,164	148,818,856
Capo May.....	29,436	62	466	3,749	494,509	912,764	800,868	111,896	2,576,879	1,664,125
Cumberland.....	69,805	175	8,119	25,032	8,388,399	13,143,200	11,538,115	1,605,145	30,787,819	17,644,559
Essex.....	833,513	2,270	92,144	222,396	120,354,061	383,738,098	374,305,551	9,432,517	757,312,001	373,574,593
Gloucester.....	70,802	81	2,304	15,699	3,024,284	10,388,810	9,629,812	758,998	20,539,307	10,150,497
Hudson.....	690,730	1,672	90,464	313,371	134,838,714	519,632,478	502,419,418	17,213,060	968,373,084	448,740,606
Hunterdon.....	34,728	51	2,385	22,397	2,041,385	5,511,736	4,656,940	854,796	12,901,140	7,479,404
Mercer.....	187,143	346	23,721	134,523	31,199,708	60,742,017	56,086,078	4,655,939	140,191,342	79,440,325
Middlesex.....	212,203	379	36,109	168,922	48,190,152	116,152,288	110,876,885	7,285,413	563,028,590	146,876,292
Monmouth.....	147,269	216	6,141	21,302	7,154,673	20,113,876	19,207,050	906,826	40,070,128	19,956,252
Morris.....	110,445	130	6,236	40,283	9,022,994	17,135,772	15,709,202	1,426,570	38,283,532	21,147,760
Ocean.....	33,069	51	418	1,695	483,914	859,028	806,197	52,831	1,858,540	960,512
Passaic.....	302,129	1,237	57,798	147,278	77,216,920	178,447,238	171,003,445	7,478,793	360,980,423	182,483,185
Salmon.....	36,834	52	4,501	22,799	5,813,176	17,058,872	15,146,766	1,912,106	47,399,388	30,340,516
Somerset.....	65,132	60	4,833	24,013	6,669,199	15,659,192	14,397,262	1,261,930	32,052,413	16,393,221
Sussex.....	27,830	30	1,055	2,887	1,281,100	3,163,716	2,800,101	363,615	6,548,849	3,394,633
Union.....	305,209	469	28,531	151,732	43,833,928	160,970,636	162,141,642	4,829,044	290,212,642	129,241,956
Warren.....	49,319	78	6,436	50,738	10,017,268	19,514,455	17,617,979	1,896,476	44,971,874	28,457,419
NEW MEXICO										
The State.....	423,317	250	4,476	23,147	\$5,504,901	\$10,419,449	\$9,736,401	\$683,048	\$21,607,148	\$11,277,699
Counties										
Bernalillo.....	45,430	47	1,695	6,416	2,329,370	4,452,882	4,249,415	203,467	9,053,719	4,600,837
Chaves.....	19,549	22	132	1,760	198,882	772,713	718,943	53,770	1,376,321	603,608
Colfax.....	19,157	12	267	1,114	386,780	333,641	305,629	28,012	1,015,723	682,082
Curry.....	15,809	12	331	2,198	444,973	531,740	459,247	72,493	1,256,914	725,174
Dona Ana.....	27,455	8	120	837	84,749	399,133	394,460	34,717	656,945	257,762
Eddy.....	15,842	9	65	893	65,393	971,415	947,967	23,448	1,298,710	327,295
Grant.....	19,050	10	47	253	60,087	75,330	68,023	7,307	194,049	119,310
Hidalgo.....	5,023	4	42	60	60,518	40,519	28,703	11,816	129,300	88,841
Luna.....	6,247	7	21	111	20,291	41,529	30,036	2,493	99,495	57,966
McKinley.....	20,643	19	244	2,329	331,335	269,680	215,637	54,043	885,724	610,044
Mora.....	10,322	3	10	89	9,800	3,600	3,600	0	20,520	16,920
Otero.....	9,779	14	834	4,342	799,794	1,332,802	1,223,035	109,767	2,740,729	1,407,927
Quay.....	10,825	7	185	128	280,795	170,347	146,502	23,845	522,990	352,643
Rio Arriba.....	21,331	10	138	398	117,715	69,885	68,772	1,113	330,259	260,374
Roosevelt.....	11,109	5	28	122	19,396	128,623	126,186	2,438	205,783	77,160
Sandoval.....	11,144	4	11	190	10,737	14,199	10,600	3,599	31,033	16,834
San Miguel.....	23,636	16	124	640	136,741	241,380	224,616	16,764	591,334	349,954
Santa Fe.....	19,567	10	41	145	64,401	102,657	94,796	7,861	278,192	175,535
Socorro.....	9,611	5	17	148	18,166	10,519	10,115	404	44,577	34,058
Taos.....	14,394	5	18	164	20,964	23,032	22,124	908	63,241	40,209
Torrance.....	9,269	3	10	75	9,399	2,790	2,679	111	23,261	20,471
Valencia.....	16,186	4	37	587	52,577	89,765	72,349	17,416	211,895	122,130
All other counties ²¹	61,886	14	59	148	72,128	341,218	333,962	7,260	665,774	324,556

²¹ De Baca, Guadalupe, Harding, Lea, Lincoln, San Juan, and Union Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Catron and Sierra Counties.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
NEW YORK										
The State.....	12,588,006	39,395	1,105,066	3,986,781	\$1,650,378,858	\$5,004,635,985	\$4,810,232,972	\$104,403,013	\$9,978,556,149	\$4,973,920,158
<i>Counties</i>										
Albany.....	211,958	370	21,954	89,801	30,321,674	59,572,473	56,855,451	2,717,022	127,774,340	68,201,867
Allegany.....	38,025	70	1,180	6,273	1,492,736	9,700,664	9,599,048	191,616	11,774,682	1,984,018
Bronx (Bronx Borough).....	1,205,228	1,204	24,958	65,401	40,513,431	73,021,421	67,863,381	5,158,040	176,829,999	103,305,578
Broome.....	147,022	217	24,937	49,362	31,356,239	83,781,390	82,113,242	1,668,148	150,208,407	66,487,017
Cattaraugus.....	72,398	156	5,526	28,024	7,389,100	20,612,736	28,470,225	1,183,511	42,849,974	13,287,238
Cayuga.....	64,751	122	6,774	24,707	8,135,880	21,420,763	20,615,995	804,768	41,884,673	20,463,910
Chautauqua.....	120,457	204	15,608	57,470	22,161,568	48,651,758	46,902,045	1,689,713	97,732,181	40,080,423
Chemung.....	74,680	115	7,938	25,349	11,120,074	17,071,779	15,796,186	1,275,593	48,665,433	31,503,654
Chenango.....	34,685	70	1,704	5,774	1,703,706	6,953,816	6,734,482	219,334	14,985,404	7,441,588
Clinton.....	46,087	51	1,179	19,091	1,407,932	4,991,351	4,060,403	924,948	8,597,372	3,606,021
Columbia.....	41,617	67	4,314	39,867	5,423,648	12,914,994	11,219,657	1,695,337	28,857,843	15,942,849
Cortland.....	31,700	64	4,182	14,124	4,818,401	13,815,277	13,281,396	533,881	28,624,352	14,809,075
Delaware.....	41,163	69	1,039	4,788	1,220,534	3,780,443	3,561,184	225,259	7,147,712	3,361,269
Dutchess.....	105,462	188	7,445	24,004	9,049,788	16,039,524	15,141,553	897,971	39,520,815	23,481,291
Eric.....	762,408	1,630	92,007	881,733	188,598,934	557,842,360	500,480,310	48,392,050	945,571,524	387,720,104
Essex.....	33,059	35	1,096	27,300	1,335,254	5,683,288	4,267,203	1,416,085	8,328,533	2,645,245
Franklin.....	45,694	60	1,082	11,190	1,258,711	3,908,061	3,657,143	250,918	6,533,265	2,675,204
Fulton.....	40,660	295	9,079	16,256	10,002,161	27,157,385	20,468,588	698,707	51,135,115	23,977,730
Genesee.....	44,468	75	4,140	26,392	5,351,664	14,643,519	13,687,575	955,944	34,719,785	20,076,266
Greene.....	25,808	43	991	14,987	1,109,062	2,119,077	1,330,868	788,219	4,933,993	2,814,910
Hamilton.....	3,929	4	33	210	26,384	11,257	11,125	132	62,145	50,888
Herkimer.....	64,006	115	11,246	40,557	13,159,972	18,579,672	17,043,241	936,431	53,195,981	34,616,300
Jefferson.....	85,874	158	5,473	83,852	6,724,609	22,801,720	22,898,418	1,603,302	45,465,710	20,663,990
Kings (Brooklyn Borough).....	2,500,401	5,818	140,648	394,990	214,949,671	592,184,262	571,059,876	21,124,386	1,214,090,535	621,906,273
Lewis.....	23,447	51	1,303	36,200	1,688,268	6,742,825	6,238,714	504,111	10,261,567	3,518,732
Livingston.....	37,560	58	2,228	11,030	2,650,754	6,690,607	6,392,010	298,597	16,111,780	9,421,173
Madison.....	39,790	87	1,619	4,914	1,976,254	4,412,890	4,251,678	161,221	9,345,899	4,933,000
Monroe.....	423,881	1,052	63,248	140,714	88,898,033	167,874,189	160,861,237	7,012,952	420,610,921	252,736,732
Montgomery.....	100,076	113	11,861	21,776	13,471,073	37,170,399	36,229,119	941,280	68,516,751	31,346,352
Nassau.....	303,053	197	3,611	15,091	5,561,316	6,749,869	6,122,516	627,353	24,742,182	17,092,313
New York (Manhattan Borough).....	1,807,312	20,797	328,230	314,588	558,754,981	1,042,634,397	1,016,800,954	25,827,443	3,986,303,844	2,043,660,447
Niagara.....	149,320	293	22,605	197,992	33,075,397	106,407,924	93,675,045	12,832,879	212,180,354	105,772,430
Oneida.....	108,763	400	26,728	119,060	30,710,752	89,493,894	85,136,940	4,356,956	161,232,622	71,738,628
Onondaga.....	201,606	540	35,060	172,228	52,555,512	101,726,524	93,406,857	8,318,667	243,340,855	141,615,331
Ontonario.....	54,276	104	3,536	14,000	4,668,535	11,340,665	10,762,274	578,391	23,250,076	11,909,411
Orange.....	180,383	243	10,558	27,707	13,283,834	24,069,806	22,659,668	1,410,138	52,108,156	28,038,350
Orleans.....	28,795	78	1,795	6,457	1,737,407	5,423,259	5,242,970	180,290	10,252,418	4,824,158
Oswego.....	69,645	111	7,258	46,990	8,374,000	29,748,209	28,051,242	1,697,927	53,607,302	23,949,123
Otsego.....	46,710	61	1,791	5,583	2,423,145	8,887,549	8,684,917	202,632	14,429,760	5,542,257
Putnam.....	13,744	16	169	470	277,420	267,013	233,532	34,081	1,072,064	804,451
Queens (Queens Borough).....	1,079,129	1,417	55,106	147,797	85,461,966	278,800,787	271,463,336	7,397,451	515,178,834	230,318,047
Rensselaer.....	119,781	203	15,474	51,120	16,730,861	33,063,355	29,418,300	3,645,046	17,272,950	38,209,595
Richmond (Richmond Borough).....	168,946	210	8,247	55,840	12,594,647	60,428,800	58,186,484	2,242,422	92,354,720	31,928,823
Rockland.....	59,590	81	3,719	15,738	5,212,574	15,667,831	9,842,824	715,007	29,103,130	14,545,259
St. Lawrence.....	90,960	169	6,095	117,229	8,443,626	52,834,554	47,637,839	4,696,715	76,106,805	20,772,351
Saratoga.....	63,314	106	5,241	60,426	5,888,090	22,285,656	20,978,453	1,307,203	35,661,678	13,376,622
Schenectady.....	125,021	126	25,684	174,747	43,754,711	87,114,236	83,908,685	3,205,601	168,424,664	81,310,428
Schoharie.....	19,667	34	415	7,469	505,915	1,236,695	1,019,358	217,337	2,864,298	1,627,603
Schoyler.....	12,600	14	612	3,200	863,007	1,860,102	1,726,365	233,737	5,233,431	3,273,329
Seneca.....	24,683	42	2,066	8,728	2,684,326	4,403,202	3,447,839	955,363	11,361,836	6,858,684
Steuben.....	82,671	127	7,343	17,835	10,515,670	16,286,243	15,260,562	1,025,681	42,368,686	26,082,443
Suffolk.....	161,055	182	2,760	9,387	3,699,529	5,626,898	5,069,518	557,380	14,915,951	9,289,053
Sullivan.....	35,272	58	245	1,343	285,222	841,437	806,260	35,177	1,562,960	721,519
Tioga.....	26,480	29	909	2,635	973,360	4,898,184	4,826,948	71,236	7,753,968	2,856,784
Tompkins.....	41,490	52	3,306	13,540	4,905,065	3,313,554	2,788,533	525,021	16,081,861	12,768,307
Ulster.....	80,155	164	6,634	18,722	6,671,178	13,762,445	12,942,479	819,966	28,631,740	14,869,295
Warren.....	34,174	75	3,151	37,535	3,300,428	8,722,568	7,881,003	841,565	17,317,262	8,594,684
Washington.....	46,482	67	4,091	42,537	4,210,950	13,768,820	12,969,843	798,983	22,746,098	8,977,272
Wayne.....	49,995	115	2,767	11,608	2,890,216	9,508,274	9,260,841	331,433	17,595,691	7,997,417
Westchester.....	520,947	522	16,136	84,285	38,905,553	170,260,863	160,505,988	3,754,875	291,008,158	120,747,295
Wyoming.....	28,764	64	2,320	9,236	2,285,628	5,640,284	5,330,077	304,207	12,902,411	7,262,127
Yates.....	16,848	29	842	4,205	780,504	1,070,406	1,540,220	136,186	3,145,656	1,469,250

NORTH CAROLINA

	3,170,276	3,797	209,823	839,045	\$160,867,988	\$618,611,690	\$596,046,728	\$22,864,962	\$1,311,924,352	\$693,012,662
The State.....										
<i>Counties</i>										
Alamance.....	42,140	126	0,992	15,483	5,617,733	13,391,862	12,930,960	460,896	27,220,186	13,837,324
Alexander.....	12,022	20	28	1,995	234,876	897,065	842,564	54,501	1,409,665	512,000
Alleghany.....	7,186	10	37	156	16,470	17,815	17,316		52,000	34,685
Anson.....	29,349	20	871	4,103	624,693	2,124,516	2,022,317	102,198	3,631,774	1,507,259
Ashe.....	21,619	20	64	380	36,965	101,281	101,281		208,626	107,345
Avery.....	11,803	11	107	502	72,563	80,062	76,068	3,994	284,856	204,794
Beaufort.....	35,026	39	1,200	4,538	886,972	1,888,756	1,882,556	39,200	4,090,589	2,201,833
Bertie.....	25,844	16	800	2,844	234,688	324,732	300,723	24,009	672,635	997,367
Bladen.....	22,889	40	1,122	9,133	653,343	2,218,549	2,162,395	56,154	3,559,333	1,340,784
Brunswick.....	15,818	13	463	3,339	364,801	1,627,226	1,574,113	53,113	2,589,828	962,602

^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

Counties—Continued	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
NORTH CAROLINA—Continued										
Buncombe	97,937	74	3,614	22,123	\$3,413,642	\$8,934,731	\$8,498,432	\$436,299	\$16,689,917	\$7,755,186
Burke	29,410	36	3,065	8,362	2,354,350	9,058,093	8,833,593	224,500	14,783,985	5,725,892
Cabarrus	44,331	42	10,481	32,209	7,107,694	18,650,421	17,662,220	1,004,201	30,351,926	11,695,505
Caldwell	28,016	60	4,150	17,100	2,320,535	11,205,917	10,748,092	457,825	17,345,835	6,130,918
Carteret	16,900	24	184	2,015	155,810	422,064	368,120	55,944	1,041,323	619,259
Caswell	18,214	23	95	719	64,342	61,960	61,960	—	188,187	126,227
Catawba	43,991	106	5,903	16,187	4,113,599	12,980,098	12,527,371	452,727	21,742,515	8,762,417
Chatham	24,177	63	971	5,500	633,513	2,235,580	2,109,160	126,420	3,693,607	1,468,081
Cherokee	16,151	15	333	1,872	232,674	1,100,055	1,042,000	57,126	1,653,427	553,392
Chowan	11,282	13	608	2,309	263,833	2,303,762	2,260,634	43,178	3,206,075	902,313
Clay	5,434	10	37	210	25,680	39,497	39,247	250	92,307	52,000
Cleveland	51,914	45	4,604	15,590	3,514,150	11,690,840	11,135,131	555,709	18,885,572	7,194,732
Columbus	37,720	36	1,699	5,126	1,240,682	1,273,564	1,209,070	64,475	3,720,013	2,446,459
Craven	30,665	33	1,898	7,480	1,345,027	1,975,198	1,898,259	76,939	4,831,388	2,856,190
Cumberland	45,219	58	2,545	10,225	1,501,052	4,545,730	4,302,322	243,408	8,310,966	3,765,236
Dare	5,202	4	16	222	12,780	7,404	7,404	—	40,250	32,846
Davidson	47,865	89	6,387	20,008	4,037,136	14,185,551	13,671,771	513,780	23,471,306	9,285,845
Duplin	35,103	17	446	2,474	304,422	176,996	176,996	—	786,929	600,933
Durham	67,196	85	7,365	30,255	6,080,384	41,762,403	41,196,556	565,847	138,224,445	66,462,042
Edgecombe	47,894	56	2,405	12,118	2,505,262	7,118,774	6,818,810	296,958	11,121,990	4,003,225
Forsyth	111,681	116	18,405	31,157	14,969,972	104,832,178	104,039,375	842,803	305,914,870	201,032,692
Franklin	29,456	31	560	2,488	388,931	1,367,562	1,325,722	41,840	2,128,033	760,471
Gaston	78,093	136	18,444	80,233	12,743,568	40,639,658	37,575,155	3,064,503	69,083,052	28,443,394
Gates	10,551	7	202	390	123,063	88,107	88,107	—	267,172	172,410
Graham	5,841	8	288	385	297,262	273,321	273,321	—	856,112	582,791
Granville	28,723	30	449	2,012	339,984	851,757	816,627	35,130	1,639,381	687,624
Greene	18,656	3	27	90	11,400	9,330	9,330	—	39,120	29,790
Gulford	133,010	236	19,269	56,756	16,431,302	56,070,058	54,640,858	1,529,200	96,728,261	40,668,203
Halifax	53,246	45	3,479	23,647	2,780,709	7,898,810	7,346,834	521,976	15,160,709	7,291,890
Harnett	37,911	30	1,774	8,866	1,206,708	5,301,940	5,109,701	192,238	8,153,733	2,851,784
Haywood	28,273	25	2,066	20,336	2,340,041	7,532,254	6,589,022	973,232	13,597,919	6,035,665
Henderson	23,404	21	989	4,691	688,365	1,472,894	1,338,417	134,477	2,728,772	1,255,878
Hertford	17,542	13	240	801	166,962	206,279	205,044	1,235	551,536	285,257
Hoke	14,244	9	138	1,189	78,560	601,618	584,072	17,546	743,921	142,303
Iredell	46,693	83	3,967	15,859	2,361,089	10,497,086	10,058,095	439,991	17,674,125	7,076,139
Jackson	17,519	23	830	4,350	697,030	2,285,854	2,084,176	201,678	4,052,281	1,766,427
Johnston	57,621	47	1,277	7,398	742,177	3,579,216	3,410,525	168,691	5,366,073	1,786,867
Jones	10,428	5	168	440	92,113	166,004	165,524	480	322,871	156,867
Lee	16,990	38	681	4,145	495,622	1,658,837	1,436,747	222,090	2,668,790	1,009,953
Lenoir	35,716	27	556	2,457	349,382	1,261,078	1,203,178	57,900	2,375,482	1,114,404
Lincoln	22,872	33	1,662	8,119	1,090,402	3,016,822	2,812,564	204,258	5,707,554	2,690,732
McDowell	20,336	28	2,334	9,117	1,504,413	5,841,931	5,630,795	211,136	9,268,463	3,420,482
Macon	13,672	10	177	607	211,282	184,114	178,668	5,446	724,474	540,360
Madison	20,306	13	136	340	117,382	117,382	117,382	300	275,641	158,259
Martin	23,400	10	120	673	63,555	470,562	467,329	3,223	687,566	217,044
Mecklenburg	127,971	174	9,299	36,037	8,735,340	41,195,974	39,954,186	1,241,788	69,810,633	28,620,659
N.itchell	13,962	16	168	1,135	121,665	290,487	268,198	22,289	751,209	400,722
Montgomery	16,218	35	751	4,211	517,128	1,670,466	1,584,627	85,839	3,020,294	1,349,828
Moore	28,215	60	552	2,076	350,169	735,209	690,362	44,877	1,461,045	725,806
Nash	52,782	23	681	6,910	551,333	2,630,402	2,631,352	58,050	5,304,981	2,615,579
New Hanover	43,010	58	2,296	10,196	1,906,841	6,126,535	5,023,068	202,867	10,728,438	4,601,903
Northampton	27,161	23	229	780	184,071	184,745	182,259	2,486	465,850	281,105
Onslow	15,289	9	90	646	66,906	86,025	86,025	—	237,775	151,750
Orange	21,171	21	919	5,728	556,666	1,301,613	1,193,118	108,495	2,268,242	966,629
Pamlico	9,209	12	121	641	80,213	150,610	154,010	1,700	353,917	197,307
Pasquotank	19,143	34	1,441	4,729	1,017,207	2,349,367	2,261,655	87,712	4,827,715	2,478,348
Pender	15,080	22	260	1,273	148,549	222,817	222,402	415	601,947	279,130
Perquimans	10,668	5	243	1,428	162,483	713,246	695,648	17,598	1,330,950	617,704
Person	22,039	14	970	3,579	581,783	3,267,935	3,157,542	110,393	5,166,645	1,898,710
Pitt	54,466	33	481	2,940	385,728	1,633,236	1,570,987	62,249	2,633,036	999,800
Folk	10,216	18	248	1,373	181,409	934,388	916,846	17,542	1,391,813	457,425
Randolph	36,259	97	3,222	11,494	2,155,595	7,006,462	6,810,465	196,027	11,674,836	4,068,344
Richmond	34,016	50	2,981	17,652	2,191,246	5,537,899	5,139,113	398,786	9,682,753	4,144,854
Robeson	66,612	43	2,052	10,869	1,187,103	4,043,629	3,800,238	237,391	6,315,043	2,271,414
Rockingham	51,083	54	6,710	26,102	5,311,578	35,420,710	34,997,368	423,342	113,995,538	78,574,828
Rowan	56,665	71	5,217	19,192	5,323,514	11,684,315	11,007,916	676,399	21,081,803	9,307,488
Rutherford	40,452	33	4,037	19,783	2,583,019	10,154,184	9,633,741	520,443	10,433,739	6,270,555
Sampson	40,082	45	353	1,829	198,767	367,181	346,480	10,701	762,804	405,623
Scotland	20,174	25	1,107	6,998	638,193	4,070,303	3,875,501	194,802	5,534,534	1,464,231
Stanly	39,216	36	3,556	24,682	2,478,731	12,138,900	10,286,158	1,852,748	23,020,414	10,881,508
Stokes	22,290	15	110	1,128	108,140	255,324	193,294	62,030	515,980	260,656
Surry	39,749	52	2,588	7,337	1,928,586	4,634,580	4,521,650	112,921	9,298,226	4,663,646
Swain	11,568	8	130	421	75,014	75,014	75,014	—	313,568	237,954
Transylvania	9,589	11	733	2,435	523,232	1,974,810	1,910,577	64,232	3,010,145	1,035,326
Union	40,979	52	1,280	5,910	804,964	3,109,262	2,944,758	164,504	4,708,131	1,898,869

^a Not including salaried employees.^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
NORTH CAROLINA—Continued										
<i>Counties—Continued</i>										
Vance.....	27,204	21	2,088	0,048	\$1,149,900	\$5,349,483	\$5,140,942	\$208,541	\$8,208,209	\$2,858,726
Wako.....	94,787	88	2,000	8,215	1,873,185	4,524,289	4,261,854	262,435	8,857,335	4,333,040
Warren.....	23,304	30	893	1,836	240,008	794,232	760,040	34,192	1,221,005	426,773
Washington.....	11,603	11	525	1,376	408,618	488,855	480,894	7,961	1,378,874	890,019
Watauga.....	16,165	22	111	452	75,911	99,579	94,149	2,430	274,928	178,349
Wayne.....	53,013	47	1,571	7,564	1,253,766	3,928,669	3,750,870	177,799	7,008,920	3,080,251
Wilkes.....	36,102	77	1,811	8,936	1,110,607	5,148,310	5,055,747	92,563	8,150,577	3,002,267
Wilson.....	44,914	35	663	5,360	556,171	3,479,055	3,385,475	93,580	5,464,275	1,985,220
Yadkin.....	18,010	34	122	1,032	71,377	203,625	199,803	3,822	392,684	189,059
Yancey.....	14,486	8	46	208	28,725	35,300	35,300	—	85,580	50,280
All other counties ²²	40,271	22	908	5,493	616,147	2,109,352	2,034,168	66,184	3,529,188	1,428,830
NORTH DAKOTA										
The State.....	680,845	373	4,024	10,756	\$5,687,028	\$39,684,462	\$38,573,196	\$1,111,266	\$55,321,592	\$16,637,130
<i>Counties</i>										
Adams.....	6,343	5	10	108	14,334	35,261	34,629	632	80,053	44,792
Barnes.....	18,804	13	70	1,180	105,618	1,278,022	1,252,858	25,164	1,752,091	474,069
Bottineau.....	14,853	4	8	87	12,052	52,952	49,951	3,001	88,279	35,327
Burke.....	9,998	4	19	50	27,435	58,720	56,224	2,496	104,066	45,346
Burleigh.....	19,769	20	235	547	303,240	1,868,175	1,805,197	62,978	3,020,136	1,151,961
Cass.....	48,735	56	895	3,298	1,251,526	12,484,716	12,198,968	285,748	16,891,990	4,407,274
Eddy.....	6,346	4	10	51	16,116	97,630	94,733	2,897	128,785	31,155
Foster.....	6,353	3	10	17	15,425	29,040	26,959	2,081	65,114	36,074
Grand Forks.....	31,955	34	681	6,122	1,025,556	8,143,295	7,878,571	264,724	10,815,629	2,672,334
Hettinger.....	8,796	4	6	250	11,030	31,292	29,700	1,592	67,580	36,288
McHenry.....	15,439	5	15	39	19,157	74,306	71,688	2,618	113,757	39,451
McLean.....	17,991	4	8	57	12,360	65,807	64,930	871	97,227	31,420
Morton.....	19,647	17	280	1,089	374,683	1,822,671	1,769,807	52,864	2,644,454	821,783
Pembina.....	14,757	5	11	132	15,624	170,963	166,061	4,902	222,331	51,868
Pierce.....	9,074	4	14	148	19,097	273,385	268,528	4,857	359,300	85,915
Ramsey.....	10,252	12	184	521	247,750	1,502,165	1,468,955	33,210	2,004,689	502,524
Ransom.....	10,983	9	102	89	150,810	269,715	247,850	21,865	486,713	216,998
Richland.....	21,008	15	70	420	82,556	493,009	478,391	14,618	795,700	302,091
Stark.....	15,340	12	137	1,592	166,343	1,104,289	1,014,977	89,312	1,524,296	420,007
Stutsman.....	20,100	13	267	792	402,692	1,999,023	1,945,209	54,414	2,787,028	787,405
Trails.....	12,000	8	21	41	18,502	112,063	104,646	5,417	159,853	47,790
Walsh.....	20,047	10	30	88	31,229	183,719	175,891	7,828	296,125	112,406
Ward.....	33,697	26	470	1,539	725,926	3,393,385	3,329,037	64,348	5,141,629	1,748,244
Wells.....	13,285	5	44	46	69,320	146,194	137,241	8,953	254,095	107,991
Williams.....	19,553	12	181	382	300,020	548,817	518,799	30,018	978,748	429,931
All other counties ²³	243,219	69	237	1,065	268,721	3,445,338	3,380,784	64,554	4,441,424	996,066
OHIO										
The State.....	6,646,697	11,855	741,143	4,340,575	\$1,102,166,499	\$3,138,098,834	\$2,919,341,176	\$218,757,658	\$6,027,903,137	\$2,880,804,303
<i>Counties</i>										
Adams.....	20,381	19	168	395	158,302	269,923	263,050	6,873	575,251	305,328
Allen.....	69,419	103	6,538	21,717	8,337,261	28,595,202	27,299,761	1,295,441	47,139,493	18,544,291
Ashland.....	26,867	44	2,274	5,902	2,562,657	6,787,068	6,499,999	287,069	14,953,305	8,195,337
Ashtabula.....	68,361	107	4,872	18,418	7,083,715	11,112,777	10,538,717	574,060	24,609,351	13,406,574
Athens.....	44,175	46	708	4,994	826,357	2,003,006	1,850,235	152,831	4,076,042	2,072,976
Auglaize.....	28,034	61	1,891	9,610	1,756,733	5,520,451	5,262,939	257,512	9,556,696	4,036,245
Belmont.....	94,719	113	5,209	21,074	6,881,014	23,686,852	22,550,475	1,136,377	36,059,579	12,372,727
Brown.....	20,148	9	149	464	111,270	191,922	185,310	6,612	419,534	227,612
Butler.....	114,084	167	10,593	173,384	20,137,880	73,819,715	68,164,879	5,654,836	145,718,315	71,898,000
Carroll.....	16,057	40	1,661	6,264	1,901,090	1,665,788	1,227,012	438,776	4,885,047	3,219,259
Champaign.....	24,103	34	774	5,204	970,731	3,163,124	2,967,765	195,350	5,895,845	2,642,721
Clark.....	90,936	170	12,437	36,381	17,495,288	58,336,107	57,176,839	1,209,268	112,093,656	53,707,549
Clermont.....	29,739	24	779	1,443	702,019	1,291,761	1,248,676	43,085	2,552,451	1,260,690
Clinton.....	21,547	28	560	1,586	650,466	812,104	747,569	64,535	2,315,561	1,593,457
Columbiana.....	86,484	161	8,760	49,586	12,391,361	17,659,478	15,179,334	2,480,144	40,798,996	23,139,518
Coshocton.....	28,976	61	2,420	7,275	2,477,728	5,097,637	4,832,870	264,767	11,632,480	6,534,843
Crawford.....	35,345	70	2,990	11,192	3,014,123	7,420,770	7,064,339	356,431	18,321,525	10,900,755
Cuyahoga.....	1,201,455	2,781	161,252	782,808	251,942,813	686,920,942	641,158,728	45,762,214	1,359,322,549	672,401,607
Darke.....	38,009	50	672	2,240	624,126	3,252,850	3,178,094	74,756	5,171,965	1,919,115
DeWane.....	22,714	40	1,151	5,292	1,201,590	3,080,982	2,971,481	109,501	6,102,121	3,021,139
Delaware.....	26,016	33	514	2,419	555,063	1,138,840	1,038,860	99,971	2,420,462	1,281,622
Erle.....	42,133	97	3,097	25,522	4,169,318	9,311,937	8,124,806	1,187,131	10,954,774	10,642,837
Fairfield.....	44,010	66	3,776	11,869	4,072,029	10,028,313	9,143,617	884,696	19,237,990	9,206,677
Fayette.....	20,755	32	612	2,331	605,392	3,791,938	3,732,183	59,755	5,232,709	1,530,771
Franklin.....	361,055	631	32,349	111,018	45,347,321	129,086,414	124,176,353	4,860,061	250,091,629	121,055,215

²² Currituck, Davie, Hyde, and Tyrrell Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Camden County.

²³ Benson, Bowman, Cavalier, Dickey, Divide, Dunn, Emmons, Golden Valley, Grant, Griggs, Kidder, La Moure, Logan, McIntosh, McKenzie, Mercer, Mount-rail, Nelson, Oliver, Renville, Rolette, Sargent, Sheridan, Sioux, Slope, Steele, and Tower Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Billings County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
OHIO—Continued										
<i>Counties—Continued</i>										
Fulton.....	23,477	31	545	2,546	\$634,462	\$2,699,683	\$2,614,473	\$85,210	\$4,736,669	\$2,036,986
Gallia.....	23,050	18	175	889	192,200	363,011	349,174	13,837	713,461	350,450
Greene.....	33,250	43	1,457	25,384	1,755,611	3,815,961	3,178,168	637,793	9,208,223	5,392,262
Guernsey.....	41,486	52	2,772	9,688	3,634,036	6,588,517	6,119,618	468,899	12,899,584	6,311,067
Hamilton.....	689,356	2,018	85,421	262,764	115,236,029	388,846,143	380,130,328	8,715,815	729,019,086	340,172,943
Hancock.....	40,404	69	2,563	14,626	2,908,143	10,466,057	9,959,158	506,899	20,167,375	9,701,318
Hardin.....	27,635	36	660	3,840	697,051	1,271,736	1,162,849	109,187	2,849,315	1,574,579
Harrison.....	18,844	20	60	780	71,487	160,188	163,141	6,047	377,377	208,189
Henry.....	22,524	31	326	1,734	348,740	865,186	816,221	48,965	1,660,782	1,001,596
Highland.....	25,416	42	708	3,136	638,916	1,800,715	1,732,220	68,495	3,531,882	1,731,167
Hocking.....	20,407	35	1,322	6,818	1,328,144	1,782,780	1,504,554	278,226	4,208,104	2,425,324
Holmes.....	16,726	30	211	2,617	378,778	634,941	462,120	72,821	1,662,161	1,027,220
Huron.....	33,700	63	2,046	6,715	2,700,402	4,379,307	4,185,080	193,327	9,688,520	5,809,213
Jackson.....	25,040	48	1,099	12,157	1,486,054	2,916,449	1,087,867	928,582	5,864,613	2,948,164
Jefferson.....	88,307	77	9,520	198,352	15,999,071	50,590,388	44,239,165	6,351,223	81,915,130	31,324,742
Knox.....	29,338	30	1,705	6,583	2,228,786	5,079,614	4,606,239	383,375	12,420,116	7,340,502
Lake.....	41,674	48	3,537	43,488	5,721,200	11,765,872	8,879,339	2,886,433	29,639,210	17,873,338
Lawrence.....	44,541	51	2,204	20,862	2,714,984	4,864,220	3,211,714	1,652,506	10,859,844	5,996,024
Licking.....	59,962	86	5,311	19,450	7,330,320	15,739,241	14,013,293	1,726,948	29,781,155	14,044,914
Logan.....	28,981	36	863	2,936	1,214,121	2,355,858	2,215,679	140,179	4,004,738	2,248,880
Lorain.....	109,296	131	15,584	206,419	24,218,264	83,292,993	67,476,240	15,817,753	146,167,843	62,874,850
Lucas.....	347,709	625	53,996	201,483	79,925,893	260,498,160	250,014,456	10,483,704	479,336,121	212,837,961
Madison.....	20,253	19	211	1,083	242,323	1,319,290	1,290,531	28,759	2,002,473	688,183
Mahoning.....	236,142	204	32,048	576,152	58,149,148	241,635,163	201,408,184	40,226,979	384,942,242	143,807,079
Marion.....	46,420	67	4,303	24,974	6,141,954	16,026,265	15,336,809	688,396	30,995,071	14,969,306
Medina.....	29,677	35	1,704	9,071	2,320,575	5,875,341	5,578,862	296,479	10,452,743	4,577,402
Meigs.....	23,961	25	523	2,910	716,614	1,010,822	904,026	106,796	2,107,155	1,156,333
Mercer.....	25,096	35	1,194	3,842	1,270,398	3,192,769	3,126,410	66,359	7,486,622	4,293,753
Minmi.....	51,301	98	5,584	16,303	6,636,093	20,106,895	19,645,086	461,809	39,859,925	19,787,030
Monroe.....	18,426	15	38	446	38,993	126,274	121,038	5,236	222,762	96,488
Montgomery.....	273,481	521	42,591	117,896	64,793,012	118,889,283	115,538,747	3,350,536	330,318,581	211,429,298
Morgan.....	13,583	17	176	1,766	143,305	497,275	485,517	11,758	812,022	314,747
Morrow.....	14,489	12	264	693	317,813	493,622	466,396	26,726	1,101,212	607,590
Muskingum.....	67,393	110	6,769	32,228	8,877,285	14,035,686	11,914,908	2,120,778	35,337,105	21,821,419
Noble.....	14,961	8	106	296	105,498	145,397	117,650	27,747	386,578	241,181
Ottawa.....	24,109	30	1,358	9,210	1,623,580	4,343,696	3,837,565	506,131	8,865,828	4,522,132
Paulding.....	15,301	12	203	1,723	173,489	472,659	422,681	49,978	1,331,905	459,336
Perry.....	31,445	41	1,699	5,740	2,215,767	1,268,675	601,155	577,520	4,647,615	3,378,940
Pickaway.....	27,238	24	542	4,080	519,955	1,515,267	1,371,706	143,561	2,908,808	1,393,541
Pike.....	13,876	11	34	491	28,439	119,882	117,347	2,535	224,650	104,768
Portage.....	42,682	62	3,820	18,001	5,329,398	13,298,027	12,868,398	430,529	25,959,415	12,600,488
Preble.....	22,455	30	235	684	187,994	581,709	562,282	19,427	1,030,426	448,717
Putnam.....	25,074	30	170	1,437	195,461	619,061	577,001	42,060	1,018,779	399,718
Richland.....	65,902	118	8,097	51,309	12,302,734	28,707,539	26,022,030	2,685,509	59,321,203	30,613,724
Ross.....	46,181	34	1,992	24,684	2,443,931	8,768,418	8,415,231	353,187	15,950,602	7,152,184
Sandusky.....	39,731	90	3,212	15,793	3,018,501	9,115,605	8,065,692	1,049,913	19,337,327	10,221,722
Scioto.....	81,221	82	11,229	68,259	15,067,967	32,036,792	26,958,466	5,078,256	56,937,550	24,050,797
Seneca.....	47,941	101	4,542	17,532	6,080,443	10,811,081	9,917,988	893,093	24,572,447	13,761,306
Shelby.....	24,624	40	1,343	4,527	1,532,520	3,858,460	3,732,842	125,618	8,163,728	4,305,298
Stark.....	221,784	338	32,202	281,115	54,734,837	129,337,528	113,867,325	15,470,203	271,846,402	142,507,874
Summit.....	344,131	359	67,298	323,460	107,253,929	317,659,893	308,369,142	9,290,751	599,053,295	281,303,402
Trumbull.....	123,063	153	21,234	236,202	38,310,435	126,773,256	115,188,745	11,584,511	212,192,435	85,419,179
Tuscarawas.....	98,193	132	8,250	40,663	9,544,753	17,195,748	15,200,052	1,995,696	33,335,143	16,130,306
Union.....	19,192	21	433	1,350	419,880	2,058,273	2,006,254	52,019	2,953,416	895,143
Van Wert.....	26,273	31	638	2,453	729,564	1,452,273	1,366,587	85,686	3,301,858	1,849,585
Warren.....	27,348	37	1,743	11,654	1,824,937	8,010,217	7,506,639	413,578	12,935,579	4,923,362
Washington.....	42,437	66	987	5,429	1,168,152	3,032,135	2,894,458	137,677	7,969,405	4,937,270
Wayne.....	47,024	92	2,767	28,373	3,743,223	14,183,373	13,351,522	812,351	25,355,034	11,191,161
Williams.....	24,316	43	923	2,603	973,444	3,674,564	3,554,155	120,409	6,371,012	2,696,448
Wood.....	59,329	51	2,531	20,317	3,757,860	13,215,793	12,420,806	794,987	22,300,138	9,174,345
Wyandot.....	19,036	24	410	2,303	465,580	1,066,064	950,134	115,930	1,978,024	911,960
All other counties (Geauga and Vin- ton).....	25,701	19	390	2,037	409,421	458,513	385,553	72,960	1,211,928	753,415

^a Not including salaried employees.^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
OKLAHOMA										
The State.....	2,396,040	1,658	31,095	223,257	\$11,276,093	\$306,501,497	\$297,452,619	\$9,048,878	\$455,905,297	\$149,403,800
<i>Counties</i>										
Adair.....	14,756	12	191	428	122,592	141,449	139,795	1,654	337,728	196,279
Alfalfa.....	15,228	8	41	422	42,503	427,295	417,877	9,418	649,458	222,163
Atoka.....	14,533	7	35	245	39,035	25,688	22,720	2,968	109,450	83,762
Beckham.....	28,991	20	184	1,174	209,622	2,021,281	1,983,437	37,844	2,738,473	717,192
Bryan.....	32,277	15	91	1,067	83,576	942,112	912,846	29,267	1,304,320	362,208
Caddo.....	50,779	22	164	1,601	200,165	2,422,090	2,375,058	47,032	3,087,947	665,867
Canadian.....	23,115	19	517	4,307	695,729	6,137,280	6,033,165	104,125	8,043,763	1,906,483
Carter.....	41,410	37	480	2,543	617,661	4,720,103	4,614,968	105,135	6,783,744	2,063,641
Cherokee.....	17,470	9	22	372	21,022	81,121	75,494	5,627	150,034	68,913
Choctaw.....	24,142	17	127	1,027	90,325	1,025,207	1,010,200	15,007	1,390,420	365,222
Cleveland.....	24,948	14	79	722	106,222	241,743	225,234	16,509	548,945	307,202
Comanche.....	34,317	23	176	1,477	183,505	1,667,240	1,626,350	40,884	2,332,501	665,201
Cotton.....	15,442	5	15	175	17,466	175,612	167,085	8,527	221,730	40,118
Craig.....	18,052	6	34	263	27,734	147,818	142,537	5,281	249,895	102,077
Creek.....	64,115	43	301	6,287	1,256,568	14,552,238	14,199,954	352,284	18,932,706	4,380,467
Custer.....	27,517	15	128	1,099	108,365	1,929,586	1,890,304	39,192	2,383,188	453,002
Garfield.....	45,588	60	1,094	11,685	1,493,740	20,218,302	19,856,604	361,698	26,829,349	6,008,047
Garvin.....	31,401	15	94	1,325	104,083	816,408	791,931	24,477	1,156,740	346,332
Grady.....	47,038	24	417	2,399	502,053	3,021,881	2,953,068	68,813	4,410,974	1,380,003
Greer.....	20,282	11	76	801	87,378	507,787	492,691	15,096	751,410	188,222
Haskell.....	16,216	6	14	138	12,820	14,924	12,989	1,935	45,736	30,812
Hughes.....	30,334	15	95	681	72,148	272,558	256,333	16,225	561,903	289,346
Jackson.....	28,910	22	252	1,999	270,081	1,783,866	1,704,713	79,153	2,645,208	861,842
Jefferson.....	17,392	6	57	506	64,099	183,734	172,024	11,710	313,218	129,484
Kay.....	50,186	50	1,899	22,044	2,706,066	33,770,170	32,317,322	1,452,848	42,990,162	9,219,992
Kingfisher.....	15,900	10	71	1,121	78,334	1,573,102	1,547,896	25,206	1,937,828	364,728
Kiowa.....	29,680	25	167	2,189	144,094	2,250,832	2,219,753	31,079	2,323,228	572,596
Latimer.....	11,184	6	25	251	18,540	43,328	41,712	1,616	98,549	55,221
LeFlore.....	42,896	26	370	3,610	779,818	514,894	475,520	39,374	2,127,729	1,012,835
Lincoln.....	33,738	18	95	1,496	79,551	695,393	692,770	32,623	977,732	282,339
Logan.....	27,761	19	266	1,508	259,013	1,381,697	1,335,502	46,195	2,209,059	827,452
Love.....	9,639	3	14	253	12,285	14,733	8,237	6,496	45,372	30,039
McIntosh.....	24,924	6	21	475	22,695	309,816	299,390	10,420	377,086	97,220
Major.....	12,206	6	22	176	32,220	125,859	119,714	6,145	203,820	77,961
Marshall.....	11,026	4	14	87	12,779	12,341	8,196	4,145	52,074	40,333
Mayes.....	17,833	6	19	111	14,294	58,348	56,310	2,038	103,625	45,277
Murray.....	12,410	14	35	703	35,071	120,817	116,294	4,523	234,393	113,576
Muskogee.....	66,424	66	1,394	7,059	1,053,310	11,079,520	11,741,631	237,889	16,735,096	4,755,576
Noble.....	15,139	7	41	498	49,885	931,453	911,317	20,136	1,220,016	294,557
Nowata.....	13,611	7	39	202	44,079	47,077	42,038	5,039	143,303	95,320
Oklfuskee.....	29,016	10	54	958	78,393	107,843	99,004	8,839	297,015	189,172
Oklahoma.....	221,738	261	6,552	25,698	8,369,483	69,399,609	68,472,804	926,805	107,036,389	37,037,280
Oklmulgee.....	56,558	48	1,168	7,910	1,703,074	12,255,040	11,501,244	753,796	17,806,836	5,111,796
Ottawa.....	38,542	25	244	1,807	279,130	1,996,878	1,941,222	55,656	2,950,485	969,007
Payne.....	36,905	30	758	7,078	988,600	10,495,603	10,045,015	450,588	24,704,925	5,269,322
Pittsburg.....	50,778	37	519	1,913	568,273	3,494,820	3,338,332	155,997	4,853,926	1,350,007
Pontotoc.....	32,409	19	594	12,187	710,931	5,278,044	4,723,674	554,370	8,002,211	3,324,167
Pottawatomie.....	66,572	31	910	5,361	1,120,116	4,053,028	3,925,248	127,780	6,089,340	2,030,012
Pushmataha.....	14,744	14	579	1,412	408,337	198,379	194,021	3,458	957,823	789,444
Rogers.....	18,956	6	21	207	30,114	40,047	34,976	5,071	110,079	76,632
Seminole.....	79,621	24	169	848	285,452	473,530	404,749	68,781	1,224,038	751,108
Stephens.....	33,069	23	216	1,094	222,298	2,600,160	2,543,531	56,629	3,058,308	1,358,148
Texas.....	14,100	4	10	67	9,851	11,179	8,997	2,182	66,416	55,237
Tillman.....	24,390	16	117	1,152	150,711	1,775,441	1,747,633	27,808	2,513,617	738,176
Tulsa.....	187,574	220	6,137	43,200	9,137,383	51,432,559	50,025,858	1,406,701	86,665,480	35,222,921
Wagoner.....	22,428	10	69	828	51,574	381,290	344,930	36,360	497,094	115,804
Washington.....	27,777	26	950	11,125	1,405,038	4,093,169	3,422,046	671,123	7,651,443	3,558,274
Washita.....	20,435	7	28	170	33,327	81,544	75,288	6,256	170,119	94,575
Woods.....	17,005	15	95	1,343	109,376	1,039,788	1,011,160	28,628	1,099,137	569,340
Woodward.....	15,844	12	99	452	119,455	1,219,460	1,197,492	21,974	1,670,804	460,338
All other counties ²⁴	204,040	105	2,145	12,940	2,236,572	9,766,558	9,406,075	359,883	18,569,348	8,802,790

²⁴ Beaver, Blaine, Cimarron, Coal, Delawars, Dewey, Ellis, Grant, Harmon, Harper, Johnston, McClain, McCurtain, Osage, Pawnee, Roger Mills, and Sequoyah Counties; combined to avoid disclosing approximations of the data for individual establishments.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
OREGON										
The State.....	953,780	2,463	65,505	418,324	\$86,828,068	\$205,227,100	\$198,542,375	\$6,684,815	\$411,708,975	\$206,541,785
<i>Counties</i>										
Baker.....	16,754	30	481	3,922	566,852	1,478,774	1,312,084	166,690	2,578,783	1,100,009
Benton.....	16,555	57	832	4,887	905,165	1,105,164	1,072,837	32,327	2,866,209	1,701,045
Clackamas.....	40,205	83	2,183	80,903	3,635,520	10,182,269	8,789,983	1,392,276	19,686,678	9,504,419
Clatsop.....	21,124	78	2,583	11,257	4,064,564	9,488,328	9,371,308	97,020	18,109,978	8,641,650
Columbia.....	20,047	48	2,862	14,631	4,147,470	6,831,372	6,681,482	149,890	16,691,447	9,860,075
Coos.....	28,373	89	3,470	28,937	4,651,233	6,559,374	6,367,364	192,010	15,731,081	9,172,007
Crook.....	3,336	5	45	335	45,007	84,184	80,626	3,558	179,551	95,867
Curry.....	3,257	10	27	168	38,040	241,424	235,994	5,430	385,306	143,882
Douglas.....	21,965	51	900	7,979	1,173,349	2,070,627	2,036,015	34,612	4,683,171	2,512,544
Harney.....	5,920	5	13	240	14,944	9,420	8,633	703	41,844	32,418
Hood River.....	8,938	14	333	1,498	391,622	474,032	464,280	9,752	1,366,040	892,914
Jackson.....	32,918	60	1,286	9,370	1,632,347	2,352,457	2,102,435	250,022	5,857,345	3,604,888
Josephine.....	11,498	25	199	2,029	242,601	527,299	515,359	12,940	1,050,424	522,495
Klamath.....	32,407	58	4,850	23,429	7,127,049	5,893,492	5,607,791	285,701	18,690,276	12,820,874
Lake.....	4,833	15	168	1,266	221,115	260,692	257,347	3,345	820,815	569,123
Lane.....	54,493	161	8,839	26,052	4,578,609	5,591,188	5,370,698	211,500	15,050,136	9,464,948
Linn.....	9,903	17	916	7,343	1,515,746	998,878	989,800	9,578	4,632,794	3,033,910
Linn.....	24,700	75	940	6,182	1,013,614	3,170,123	3,062,146	107,977	5,463,192	2,298,060
Malheur.....	11,269	11	21	116	23,418	94,396	91,614	2,782	177,445	83,040
Marion.....	60,541	122	3,829	24,635	4,176,894	12,140,852	11,048,110	492,742	23,480,045	11,345,793
Morrow.....	4,941	6	18	372	21,050	64,640	62,704	1,942	120,730	56,084
Multnomah.....	338,241	1,087	24,427	107,035	32,652,810	109,849,523	107,215,044	2,634,479	196,707,713	86,858,190
Polk.....	16,858	50	1,559	7,951	1,950,570	2,296,662	2,199,230	37,432	6,940,217	4,703,555
Tillamook.....	11,824	48	1,339	6,024	1,800,338	3,583,666	3,521,572	62,084	6,615,753	3,032,097
Umatilla.....	24,399	38	449	3,065	526,339	5,715,813	5,623,066	92,147	7,250,293	1,534,450
Union.....	17,492	33	1,201	7,492	1,679,635	1,779,840	1,712,503	67,337	5,099,661	3,319,821
Wallowa.....	7,814	11	285	1,164	366,132	127,031	1,857	540,565	419,534	1,404,634
Wasco.....	12,646	18	364	2,140	393,446	2,107,527	2,143,506	54,021	3,352,432	1,154,905
Washington.....	30,275	58	1,511	6,528	1,912,820	4,224,495	4,169,169	55,326	8,314,868	4,090,373
Yamhill.....	22,036	62	1,462	6,849	1,608,275	4,247,890	4,089,775	158,115	8,225,275	3,977,385
All other counties ²⁵	32,224	33	2,093	14,425	4,240,204	1,695,226	1,605,726	89,500	11,129,532	6,434,806

PENNSYLVANIA

The State.....	9,631,350	16,947	1,014,046	5,091,493	\$1,379,444,233	\$4,013,255,531	\$3,680,107,606	\$333,147,925	\$7,443,861,057	\$3,430,605,526
<i>Counties</i>										
Adams.....	37,128	99	3,437	7,421	2,716,750	5,981,762	5,696,731	285,031	11,025,216	5,943,454
Allegheny.....	1,374,410	1,950	155,374	1,398,914	243,281,167	811,955,398	711,132,766	100,822,632	1,400,762,248	588,806,850
Armstrong.....	79,298	79	5,453	89,847	8,078,683	17,071,906	14,904,028	2,167,878	31,325,239	14,253,333
Beaver.....	149,062	208	28,438	349,055	47,765,802	109,700,644	149,204,819	20,495,825	294,772,430	125,071,786
Bedford.....	37,309	56	781	6,432	762,375	2,237,053	1,089,088	1,147,965	3,716,386	1,478,333
Berks.....	231,717	578	47,350	124,615	61,870,198	104,107,346	97,336,420	6,860,926	229,028,386	124,831,040
Blair.....	139,840	147	18,017	61,971	26,745,090	56,207,933	54,065,860	2,142,073	97,200,642	40,998,707
Bradford.....	49,039	66	3,855	13,969	4,840,116	10,326,707	9,989,000	337,707	19,803,774	9,477,007
Bucks.....	96,727	136	9,453	30,603	10,706,202	21,831,025	20,868,995	902,030	40,195,836	24,365,811
Butler.....	80,480	101	6,689	98,953	7,601,220	35,394,845	32,042,822	3,352,023	52,006,772	16,611,927
Cambria.....	203,146	158	13,665	220,265	22,807,293	84,377,239	67,596,783	10,780,456	130,428,843	46,051,604
Cameron.....	5,307	9	853	1,399	919,768	2,589,087	2,520,215	62,872	6,555,333	3,966,246
Carbon.....	69,380	84	6,427	44,095	8,783,861	17,002,249	14,114,179	2,888,070	39,308,962	22,306,703
Centre.....	46,294	68	2,094	8,767	2,130,605	4,185,331	3,547,859	637,472	9,251,650	5,060,319
Chester.....	120,629	194	10,595	110,874	15,284,521	48,058,647	42,000,588	6,058,059	79,688,534	31,629,887
Clarion.....	34,531	52	1,008	7,496	1,275,721	2,456,707	1,870,696	586,011	4,710,562	2,263,855
Clearfield.....	86,727	101	4,478	25,547	5,156,277	7,518,466	6,078,087	1,440,379	17,686,466	10,167,990
Clinton.....	32,319	66	4,367	39,861	5,873,833	18,974,169	17,823,716	1,150,453	30,812,921	11,838,752
Columbia.....	48,803	82	4,842	23,785	5,089,861	17,173,634	10,435,533	739,151	30,006,827	12,839,143
Crawford.....	62,980	121	4,187	17,516	5,875,471	15,538,641	14,805,326	733,315	27,452,947	11,911,306
Cumberland.....	68,236	131	6,465	18,510	7,470,750	17,873,414	17,136,683	736,732	32,253,118	14,379,708
Dauphin.....	165,231	286	19,622	114,784	25,323,687	86,590,085	77,563,609	9,026,475	149,983,516	63,993,432
Delaware.....	280,264	231	30,799	234,476	44,646,700	160,625,806	145,091,312	15,534,494	259,343,015	108,717,209
Elk.....	33,431	53	4,062	40,373	5,143,637	19,649,643	17,894,868	1,754,775	32,477,100	12,827,467
Erie.....	175,277	366	23,022	111,068	33,567,730	71,264,611	66,265,712	4,998,899	162,522,818	61,268,267
Fayette.....	198,542	151	5,633	30,262	6,923,518	17,533,292	7,289,043	10,244,249	31,231,419	13,698,127
Forest.....	5,180	8	488	2,294	564,877	2,003,711	1,847,231	156,480	3,346,570	1,342,850
Franklin.....	65,010	118	5,540	19,188	5,699,813	12,716,961	12,134,277	582,654	28,838,409	10,121,478
Fulton.....	9,231	21	47	408	30,997	122,793	120,951	1,802	246,512	123,759
Greene.....	41,767	18	126	601	136,126	221,125	195,674	25,451	547,162	326,037
Huntingdon.....	39,021	68	2,763	10,465	2,838,803	3,792,888	3,007,719	695,169	10,757,527	7,054,639
Indiana.....	75,395	74	2,208	14,110	2,727,283	4,870,749	3,342,044	1,478,705	9,610,043	4,789,294
Jefferson.....	52,114	73	1,982	7,491	2,084,362	4,278,022	3,770,316	507,706	8,690,173	4,408,151
Juniata.....	14,325	20	433	1,061	403,339	381,346	280,716	120,630	611,082	311,082
Lackawanna.....	310,397	354	16,891	41,446	17,076,694	36,525,758	34,784,163	1,741,595	74,808,489	38,282,731

²⁵ Deschutes, Gilliam, Grant, Sherman, and Wheeler Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Jefferson County.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and con- tainers	Fuel and purchased energy		
PENNSYLVANIA—Continued										
<i>Counties—Continued</i>										
Lancaster.....	196,882	495	23,300	76,865	\$25,913,361	\$77,710,972	\$75,433,455	\$2,277,517	\$155,750,777	\$78,039,805
Lawrence.....	97,258	116	12,388	155,209	20,029,603	60,388,517	53,770,127	6,618,390	106,265,682	45,877,165
Lebanon.....	67,103	180	10,140	67,142	10,325,060	26,196,966	24,305,967	1,890,989	48,152,065	21,955,109
Lehigh.....	172,893	399	26,736	111,246	32,042,017	94,660,401	89,612,700	5,047,641	175,284,153	80,623,752
Luzerne.....	445,109	415	25,377	54,535	24,439,300	56,666,911	54,624,908	2,042,008	111,143,277	54,476,366
Lycoming.....	93,421	180	12,005	40,645	15,123,311	41,437,612	40,128,282	1,309,330	78,073,506	36,635,894
McKean.....	55,167	119	4,013	18,924	5,379,335	22,213,665	20,698,523	1,515,142	37,494,333	16,280,068
Mercer.....	99,246	139	13,233	203,618	21,687,349	76,231,059	66,219,452	9,011,607	120,132,251	44,601,192
Mifflin.....	40,335	49	7,532	43,661	10,150,817	11,769,685	10,048,854	1,720,831	36,590,143	24,820,468
Monroe.....	28,286	64	1,938	6,070	2,439,986	6,128,029	5,914,018	214,011	11,038,316	4,910,227
Montgomery.....	265,804	491	32,657	171,940	43,553,761	114,762,805	103,344,303	11,418,502	219,089,734	104,326,920
Montour.....	14,517	23	1,177	11,894	1,097,533	1,200,967	1,031,204	169,673	2,837,545	1,036,578
Northampton.....	149,304	306	31,747	457,337	44,448,249	119,505,607	80,015,105	24,490,502	229,901,129	110,395,522
Northumberland.....	128,504	159	10,358	33,493	11,269,498	30,902,835	28,580,401	1,422,434	61,260,325	31,257,490
Perry.....	21,744	37	530	1,870	421,336	873,372	831,507	41,865	1,896,104	1,022,732
Philadelphia (coextensive with Phila- delphia city).....	1,950,961	5,567	246,908	652,321	338,910,496	1,025,630,209	996,416,682	29,214,527	2,003,710,905	978,080,696
Pike.....	7,483	10	121	466	120,692	389,459	383,631	5,828	680,079	200,620
Pottor.....	17,489	32	937	6,858	1,049,983	4,658,730	4,417,182	241,548	6,966,755	2,308,025
Schuylkill.....	235,505	204	12,110	38,908	11,040,938	28,644,097	27,500,825	1,383,272	56,643,850	26,699,753
Snyder.....	18,396	42	881	2,601	747,098	1,840,944	1,725,940	115,304	3,713,311	1,872,367
Somerset.....	80,704	75	981	3,861	895,918	1,121,149	1,061,957	59,192	3,078,375	1,957,226
Sullivan.....	7,499	14	260	676	157,007	393,034	381,094	11,940	765,004	371,070
Susquehanna.....	33,806	41	784	3,749	1,024,238	1,307,691	1,239,914	67,647	2,364,449	1,556,888
Tioga.....	31,371	43	1,465	7,205	1,013,829	9,279,476	8,975,547	303,929	14,804,026	5,525,450
Union.....	17,468	33	788	2,809	723,774	3,029,793	2,960,621	69,172	4,665,379	1,635,580
Venango.....	63,226	82	5,677	31,908	9,013,555	43,887,010	42,107,013	1,779,997	61,915,938	18,028,628
Warren.....	41,453	98	3,861	24,188	5,123,828	24,755,273	23,545,649	1,209,624	38,121,134	13,365,861
Washington.....	204,802	150	14,699	130,987	21,952,101	72,089,666	64,578,276	7,511,390	119,039,666	47,000,000
Wayne.....	28,420	65	1,739	3,777	1,546,343	5,333,052	5,174,061	158,991	8,562,470	3,229,427
Westmoreland.....	294,995	270	28,810	203,371	44,076,418	104,992,658	93,055,453	11,937,205	200,774,690	95,782,032
Wyoming.....	16,517	27	311	2,396	364,425	2,961,196	2,898,780	62,406	3,609,284	648,148
York.....	167,135	586	30,331	98,376	29,933,656	71,803,918	68,632,671	3,171,247	160,795,240	88,991,322
RHODE ISLAND										
The State.....	687,497	1,701	126,068	463,822	\$144,196,934	\$342,290,071	\$328,390,079	\$13,899,992	\$666,368,210	\$324,078,139
<i>Counties</i>										
Bristol.....	25,089	38	5,741	20,190	\$5,761,249	\$14,795,155	\$14,221,954	\$573,201	\$28,406,788	\$13,611,633
Kent.....	51,390	70	7,305	45,008	7,319,846	22,344,157	21,511,338	832,819	37,769,160	15,425,003
Newport.....	41,668	38	1,208	5,693	1,279,220	3,593,569	3,344,341	169,218	5,925,418	2,421,869
Providence.....	540,016	1,496	108,275	379,257	125,649,622	293,594,348	281,708,025	11,886,323	578,723,645	285,120,297
Washington.....	29,334	54	3,539	13,674	4,189,997	8,082,652	7,613,421	439,431	15,543,199	7,490,347
SOUTH CAROLINA										
The State.....	1,738,765	1,659	108,777	527,326	\$73,223,327	\$226,541,603	\$214,617,334	\$11,924,269	\$385,892,252	\$159,350,649
<i>Counties</i>										
Abbeville.....	23,323	16	1,076	4,693	\$657,680	\$2,091,747	\$2,016,658	\$75,089	\$3,769,630	\$1,677,889
Aiken.....	47,408	26	2,968	16,131	2,173,513	5,693,557	5,184,980	408,577	9,486,974	3,893,417
Allendale.....	13,294	18	369	772	200,345	307,662	301,481	6,181	750,192	442,530
Anderson.....	80,949	55	8,276	46,932	5,344,867	17,708,938	16,697,300	1,009,692	30,310,090	12,604,002
Bamberg.....	19,410	22	368	1,607	242,482	593,907	564,543	29,364	1,185,402	591,495
Barnwell.....	21,221	19	262	1,264	149,187	318,544	315,335	3,209	697,772	349,228
Beaufort.....	21,815	16	591	893	176,103	370,508	341,349	29,159	802,662	432,164
Berkeley.....	22,236	18	720	2,976	487,323	419,234	417,110	2,124	1,467,542	1,048,308
Calhoun.....	16,707	28	170	807	84,858	223,383	220,250	3,124	408,566	185,182
Charleston.....	101,050	89	5,270	28,752	4,337,526	23,448,683	22,894,384	549,299	32,674,467	9,130,784
Cherokee.....	32,201	25	3,557	15,863	2,028,700	6,351,430	5,941,172	410,258	10,075,808	3,724,373
Chester.....	31,803	20	2,311	10,108	1,818,049	6,308,850	5,962,390	346,490	9,991,134	3,682,254
Chesterfield.....	34,334	35	598	3,067	932,535	1,440,336	1,382,269	58,067	2,166,600	726,204
Clarendon.....	30,036	21	851	2,623	474,861	440,737	438,285	2,452	1,026,273	1,026,273
Colleton.....	25,821	35	879	2,143	428,638	427,556	412,330	15,226	1,297,249	869,663
Darlington.....	41,427	36	1,738	16,289	1,269,401	3,663,218	3,359,044	304,174	7,160,783	3,497,565
Dillon.....	25,733	11	633	2,712	289,998	1,720,855	1,649,583	71,272	2,585,293	864,438
Dorchester.....	18,956	15	602	2,512	384,396	448,833	426,738	22,095	1,199,027	760,194
Edgefield.....	19,326	25	366	1,949	222,288	1,118,918	1,091,744	27,174	1,701,756	582,838
Florence.....	61,027	38	1,410	4,864	1,247,698	1,869,744	1,778,529	91,215	4,160,118	2,296,374
Georgetown.....	21,738	13	2,172	6,306	1,325,358	737,513	665,116	72,397	2,696,253	1,658,740
Greenville.....	117,009	112	15,976	60,781	11,095,674	32,308,043	30,501,210	1,806,833	57,887,563	25,579,610
Greenwood.....	36,078	48	4,346	24,647	2,999,830	10,439,590	10,057,270	382,320	17,402,409	7,062,810
Hampton.....	17,243	35	1,067	3,230	612,177	468,993	447,649	21,344	1,585,025	1,116,032
Horry.....	39,376	13	987	2,027	651,052	536,002	517,281	18,721	1,626,278	1,000,276

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufac- ture
						Total	Materials and con- tainers	Fuel and purchased energy		
SOUTH CAROLINA—Continued										
<i>Counties—Continued</i>										
Jasper.....	9,988	14	805	1,162	\$456,722	\$216,266	\$213,143	\$3,153	\$893,429	\$677,133
Kershaw.....	32,070	30	751	4,050	521,708	1,599,305	1,474,331	124,974	2,630,788	1,031,483
Lancaster.....	27,980	30	2,723	13,550	1,655,425	5,935,406	5,672,585	262,821	9,854,172	3,018,766
Laurens.....	42,094	25	3,458	11,555	2,425,034	5,870,582	5,350,461	520,121	10,810,491	4,930,909
Lee.....	24,006	15	210	1,127	110,539	740,947	722,332	18,615	1,109,041	368,994
Lexington.....	36,494	81	1,346	6,334	933,387	2,719,546	2,604,156	115,390	4,954,294	2,234,748
McCormick.....	11,471	29	288	1,157	137,707	332,688	330,440	2,248	705,221	372,533
Marion.....	27,221	22	1,308	6,850	970,264	1,331,886	1,283,132	43,754	3,089,978	1,758,092
Newberry.....	34,681	66	2,995	13,908	1,897,980	6,921,289	6,509,786	411,503	11,298,814	4,377,525
Oconee.....	33,368	32	1,029	11,005	1,272,078	3,851,141	3,663,392	187,740	6,412,820	2,561,688
Orangeburg.....	63,864	34	1,226	4,046	766,400	1,662,648	1,611,810	50,839	3,328,577	1,665,920
Pickens.....	33,709	26	3,577	10,569	2,019,215	6,480,609	6,111,551	369,058	10,680,609	4,200,000
Richland.....	87,667	116	4,580	24,445	3,909,607	12,330,090	11,537,074	792,116	21,552,903	9,222,813
Saluda.....	18,148	37	270	1,151	136,603	288,547	286,762	1,785	570,378	281,831
Spartanburg.....	110,323	99	12,265	78,876	8,602,742	27,838,180	26,448,353	1,389,827	46,013,101	18,774,921
Sumter.....	45,902	50	1,906	6,459	1,095,607	2,607,108	2,529,596	77,512	5,375,801	2,768,693
Union.....	30,920	35	3,534	23,810	8,443,573	8,278,038	8,278,038	604,935	13,621,175	4,777,002
Williamsburg.....	34,914	12	69	323	51,498	68,310	57,501	809	179,906	121,696
York.....	53,418	51	4,973	17,708	3,183,765	10,713,437	9,977,974	735,463	16,624,437	5,911,000
All other counties (Fairfield and Marlboro).....	54,921	48	2,473	24,403	1,577,605	6,851,015	6,364,303	486,712	11,063,810	4,212,795
SOUTH DAKOTA										
The State.....	692,849	615	6,535	31,297	\$8,132,240	\$75,016,424	\$73,544,176	\$1,472,248	\$97,697,636	\$22,681,212
<i>Counties</i>										
Aurora.....	7,139	6	11	115	11,523	251,705	249,530	2,256	301,977	50,182
Bendle.....	22,917	24	619	2,801	844,034	9,871,077	9,730,207	140,870	11,521,263	1,650,186
Bon Homme.....	11,737	10	14	153	12,173	51,017	47,663	3,354	98,429	47,412
Brookings.....	16,847	15	43	225	46,417	611,725	601,006	10,719	830,204	227,479
Brown.....	31,498	35	525	1,068	681,305	2,654,787	2,526,682	128,105	4,528,880	1,874,093
Brule.....	7,416	10	47	133	50,730	135,252	130,691	4,561	341,028	205,776
Butte.....	8,589	9	107	2,537	212,803	1,618,506	1,607,544	110,962	2,213,767	595,261
Charles Mix.....	16,703	12	22	220	22,037	230,989	223,881	7,108	313,409	82,480
Clay.....	10,088	5	18	32	20,323	61,007	58,065	2,942	125,776	64,769
Codington.....	17,457	30	300	1,279	409,045	8,504,299	8,500,654	3,645	10,220,504	1,626,205
Custer.....	5,353	20	160	879	183,176	116,440	111,030	5,401	385,563	269,123
Davison.....	16,821	23	323	1,004	428,212	2,507,193	2,436,385	70,808	3,929,188	1,421,995
Day.....	14,606	12	60	192	57,450	1,521,389	1,506,969	14,420	1,795,946	274,557
Fall River.....	8,741	9	41	301	40,274	165,500	147,939	17,561	322,155	150,655
Grant.....	10,729	10	75	432	122,161	285,393	269,104	16,289	560,089	274,696
Gregory.....	11,420	9	25	181	27,410	361,584	355,280	6,304	448,675	87,091
Hamlin.....	8,299	8	16	68	17,182	342,225	337,412	4,813	430,962	88,737
Hughes.....	7,009	8	36	93	117,210	123,404	111,008	11,886	344,002	220,508
Hutchinson.....	13,904	8	17	145	16,975	286,486	281,495	4,991	361,147	74,661
Kingsbury.....	12,805	12	28	94	32,964	353,576	348,590	4,986	467,800	114,224
Lake.....	12,379	8	66	184	90,649	356,374	343,699	12,675	527,941	171,567
Lawrence.....	13,920	22	189	834	238,026	418,831	405,880	12,951	890,860	478,029
Lincoln.....	13,918	9	30	103	38,750	152,941	148,610	4,331	245,930	92,989
Marshall.....	9,540	5	10	37	8,543	63,918	52,833	1,085	82,023	28,105
Meade.....	11,482	9	27	604	31,744	80,945	50,138	21,807	170,299	89,354
Miner.....	8,376	10	15	43	14,767	45,881	44,623	1,258	94,772	48,801
Minnehaha.....	50,872	89	2,437	8,851	2,837,127	39,103,778	38,681,851	421,927	47,900,926	8,800,148
Pennington.....	20,079	35	753	5,307	919,859	1,491,022	1,253,741	237,281	3,445,177	1,054,155
Perkins.....	8,717	4	16	33	19,107	50,120	49,840	280	98,711	43,591
Roberts.....	15,782	11	25	111	24,041	210,912	212,602	4,310	293,273	79,391
Spink.....	15,304	8	34	359	42,324	313,949	302,807	11,142	446,499	131,550
Tripp.....	12,712	9	17	157	20,841	119,057	112,952	6,105	213,101	94,044
Turner.....	14,891	15	24	93	25,265	197,964	193,414	4,550	282,451	84,487
Union.....	11,480	9	15	43	16,518	130,356	127,820	2,536	181,367	51,011
Walworth.....	8,791	10	136	356	208,269	217,356	190,991	26,365	493,776	276,420
Yankton.....	16,589	14	59	254	64,061	647,384	630,827	16,557	924,748	277,364
All other counties ^{2b}	187,979	73	139	980	155,136	1,275,902	1,249,895	26,007	1,843,958	508,056

^{2a} Bennett, Clark, Corson, Deuel, Dewey, Douglas, Edmunds, Faulk, Haakon, Hand, Hanson, Harding, Hyde, Jackson, Jerauld, Jones, Lyman, McCook, McPherson, Mellette, Moody, Potter, Sanborn, Stanley, Sully, Todd, and Ziebach Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Armstrong, Buffalo, Campbell, Shannon, Washabaugh, and Washington Counties.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufac- ture
						Total	Materials and con- tainers	Fuel and purchased energy		
TENNESSEE										
The State.....	2,610,550	2,855	128,400	600,704	\$115,877,077	\$407,610,550	\$300,520,831	\$17,089,719	\$730,508,612	\$322,898,062
<i>Counties</i>										
Bedford.....	21,077	26	863	2,464	542,819	1,074,796	1,016,390	58,406	3,387,512	1,412,716
Benton.....	11,237	5	13	155	6,964	9,000	9,000		31,000	22,000
Bledsoe.....	7,128	6	17	141	10,474	50,077	48,682	1,395	92,016	41,939
Bradley.....	22,870	29	1,083	5,090	1,729,830	3,760,443	3,664,508	125,935	7,399,885	3,579,442
Campbell.....	26,827	20	497	1,718	429,194	582,179	562,716	19,463	1,615,008	982,829
Cannon.....	8,935	5	19	123	11,080	27,140	26,965	175	60,669	33,529
Carroll.....	26,132	21	247	1,203	286,041	275,634	259,250	16,375	705,180	429,546
Carters.....	29,223	21	3,555	14,007	2,806,607	2,436,387	2,286,546	149,841	8,636,113	6,199,726
Cheatham.....	9,025	4	11	125	8,587	40,211	39,101	1,110	62,586	22,375
Claiborne.....	24,313	12	50	217	24,910	36,883	36,883		83,734	46,851
Clay.....	9,577	5	12	116	6,320	12,430	12,430		27,825	15,395
Cook.....	21,776	18	609	2,162	404,286	2,098,325	2,052,138	46,187	3,187,414	1,089,089
Coffee.....	16,801	25	378	2,362	237,677	984,184	959,002	25,182	1,559,893	566,709
Cumberland.....	11,440	10	58	259	59,707	52,084	43,884	8,200	175,020	122,936
Davidson.....	222,854	284	20,043	87,977	20,490,840	75,475,309	73,109,647	2,365,662	130,888,279	64,412,970
De Kalb.....	14,213	7	26	165	15,478	31,187	30,843	344	83,033	51,840
Dickson.....	18,491	24	361	1,404	181,307	603,279	584,051	19,228	1,105,691	502,412
Dyer.....	31,405	26	1,262	3,146	666,818	2,470,626	2,403,000	72,726	3,934,544	1,457,918
Fayette.....	28,891	6	11	125	8,009	32,845	31,527	1,318	64,151	31,300
Fentress.....	11,036	25	215	1,146	146,356	151,113	149,930	1,183	442,618	291,505
Franklin.....	21,796	29	339	7,101	299,859	899,098	680,597	268,501	1,949,423	1,050,325
Gibson.....	46,528	31	1,213	3,386	681,853	2,980,861	2,913,451	67,410	4,763,175	1,782,314
Giles.....	28,016	17	341	742	167,262	369,574	364,845	5,229	800,249	430,675
Granger.....	12,737	10	34	245	13,227	39,009	38,539	470	86,562	47,553
Greene.....	35,119	19	268	1,343	215,399	1,461,565	1,434,066	27,499	2,263,650	792,145
Grundy.....	9,717	18	284	749	196,919	203,557	149,070	54,478	585,760	382,203
Hamblen.....	16,010	32	499	2,841	319,147	2,401,621	2,354,029	47,592	3,409,523	1,007,902
Hamilton.....	169,497	271	21,033	81,917	20,241,221	61,985,990	58,483,180	3,502,810	114,309,637	52,325,647
Hardeman.....	22,193	13	63	613	40,084	96,327	94,942	1,385	221,223	124,896
Hardin.....	16,213	10	68	423	35,721	50,080	49,850	230	178,018	127,938
Hawkins.....	24,117	10	38	389	21,558	185,128	183,200	1,928	248,040	62,912
Haywood.....	26,063	15	105	404	60,836	222,156	214,399	8,757	522,032	298,876
Henry.....	26,432	24	872	1,273	870,840	941,806	905,795	36,011	2,741,140	1,799,340
Humphreys.....	12,039	16	97	458	57,135	283,653	279,958	3,695	432,405	148,752
Jefferson.....	17,914	15	81	558	37,205	293,497	288,517	4,980	434,630	141,133
Johnson.....	12,209	8	127	907	97,092	169,952	169,252	700	369,467	199,515
Knox.....	155,902	186	15,865	63,998	14,626,599	36,362,790	34,739,378	1,623,412	68,995,325	32,632,535
Lauderdale.....	23,406	17	225	745	155,053	299,276	289,483	9,793	770,173	470,897
Lawrence.....	20,776	45	176	1,221	112,276	389,350	384,201	5,149	665,185	275,835
Lewis.....	5,258	12	55	275	31,847	41,274	41,274		110,711	69,437
Lincoln.....	25,422	20	261	1,894	140,913	1,326,018	1,294,165	31,853	1,872,831	546,813
Loudon.....	17,805	21	5,225	4,614	2,965,585	10,419,433	10,195,682	223,751	15,796,203	5,376,770
McMinn.....	29,019	36	2,286	3,460	2,154,780	2,408,721	2,326,849	81,872	5,607,081	3,198,340
McNairy.....	19,901	7	30	205	10,405	19,316	18,900	416	56,840	37,524
Macon.....	13,872	7	27	217	14,341	31,006	30,925	80	78,425	47,419
Madison.....	51,059	46	2,881	13,079	2,714,523	6,390,878	6,145,359	245,519	12,255,603	5,864,725
Marion.....	17,549	19	1,055	12,777	851,089	979,529	668,116	311,413	3,184,417	2,154,888
Marshall.....	15,574	17	312	1,868	278,311	1,977,265	1,939,560	37,705	2,752,424	775,159
Mauzy.....	34,016	37	642	3,057	405,985	2,418,115	2,211,424	206,691	4,247,129	1,829,014
Meigs.....	6,127	20	84	434	50,730	79,640	79,640		199,450	119,810
Monroe.....	21,377	41	911	3,952	684,197	1,303,878	1,252,486	51,392	2,046,280	1,342,402
Montgomery.....	30,882	28	600	3,086	395,487	3,264,113	3,213,991	50,122	5,125,722	1,861,069
Obion.....	29,086	24	868	1,066	584,998	2,790,709	2,761,838	28,871	4,760,278	1,969,599
Overton.....	18,079	20	123	528	82,707	117,537	117,507	30	338,888	221,351
Perry.....	7,147	10	162	364	120,850	66,511	62,761	3,750	241,203	174,692
Pickett.....	5,615	6	20	129	12,520	23,951	23,951		53,250	29,299
Putnam.....	23,759	32	614	1,568	337,054	1,022,483	1,005,439	17,044	1,985,611	963,128
Rhea.....	18,871	17	636	1,120	345,848	739,181	706,460	32,721	1,383,107	643,926
Roane.....	24,477	36	1,902	10,065	1,221,876	4,066,428	3,248,504	817,924	6,284,253	2,217,825
Robertson.....	28,191	19	373	1,415	261,403	813,795	784,996	28,799	1,429,270	615,475
Rutherford.....	32,286	31	679	2,262	444,385	3,288,639	3,238,856	49,781	5,165,420	1,876,781
Scott.....	14,080	18	700	3,235	530,411	473,043	458,547	14,496	1,784,885	1,311,842
Seyler.....	20,480	21	226	1,296	101,668	483,514	424,450	9,068	723,053	289,539
Shelby.....	306,482	473	19,521	137,088	20,747,405	113,214,594	111,355,762	1,858,832	191,694,645	78,480,051
Smith.....	16,473	11	62	409	39,104	143,246	136,761	6,485	287,690	143,844
Sullivan.....	51,087	54	4,288	29,315	3,826,561	10,886,159	9,637,684	748,475	19,420,635	9,084,476
Sumner.....	28,622	21	124	744	75,443	484,514	460,350	18,164	710,780	226,266
Tipton.....	27,498	11	129	1,100	106,595	584,258	551,871	32,387	958,006	373,748
Trousdale.....	5,629	10	63	251	41,022	127,825	122,755	5,070	312,662	184,837
Union.....	12,678	9	772	3,993	983,855	1,572,825	1,214,366	358,194	3,034,555	1,461,995
Van Wert.....	11,371	5	15	92	6,900	9,925	9,925		29,000	19,075
Warren.....	20,209	42	803	2,562	420,284	989,951	965,663	24,288	1,918,813	928,862
Washington.....	45,805	54	2,199	9,669	1,828,534	6,984,278	6,599,297	414,981	11,004,098	4,019,820
Wayne.....	12,134	22	180	1,148	140,307	161,730	159,914	1,816	436,926	275,106
Weakley.....	29,262	30	431	895	190,337	416,995	409,697	7,298	847,174	450,179
White.....	15,543	16	229	838	120,860	408,417	396,715	11,702	750,223	341,806
Williamson.....	22,845	12	82	792	69,368	769,274	757,537	11,737	1,105,674	336,400
Wilson.....	23,929	28	417	1,662	267,854	1,255,700	1,228,228	27,472	1,900,576	644,876
All other counties ²⁷	216,517	144	6,557	50,702	5,971,226	24,829,785	22,093,954	2,735,831	41,926,647	17,066,862

²⁷ Anderson, Blount, Chester, Crockett, Decatur, Hancock, Henderson, Hickman, Houston, Jackson, Lake, Moore, Morgan, Polk, Sequatchie, Stewart, and Van Buren Counties; combined to avoid disclosing approximations of the data for individual establishments.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufac- ture
						Total	Materials and con- tainers	Fuel and purchased energy		
TEXAS										
The State	5,824,715	5,198	134,498	822,800	\$151,827,257	\$980,930,628	\$962,750,112	\$27,189,516	\$1,450,246,431	\$460,306,803
<i>Counties</i>										
Anderson	34,643	39	771	4,123	905,474	1,826,365	1,730,075	96,290	3,372,439	1,546,074
Angelina	27,803	26	2,313	7,610	2,118,609	3,799,146	3,717,820	81,326	8,505,505	4,706,359
Atascosa	15,054	8	72	258	99,844	105,360	95,684	9,676	272,897	167,637
Austin	18,860	11	111	628	133,313	815,151	790,254	24,897	1,201,741	336,590
Bastrop	23,888	19	415	2,388	445,488	869,701	689,734	179,967	1,861,792	992,001
Baylor	7,418	5	27	475	25,003	217,397	209,086	8,311	339,998	122,601
Bee	15,721	8	56	421	60,832	258,866	274,890	13,976	531,701	242,336
Bell	50,030	41	565	3,855	701,740	2,433,762	2,316,446	118,316	4,110,620	1,676,858
Bexar	292,533	412	9,395	40,990	8,940,800	35,736,220	34,415,729	1,320,491	60,804,038	25,067,818
Bosque	15,750	11	74	817	77,903	408,867	395,750	13,107	609,009	200,152
Bowie	48,593	47	1,583	7,231	1,568,560	6,785,040	6,520,070	255,979	11,919,153	5,134,104
Brazoria	23,054	12	156	972	167,620	617,016	583,681	33,335	1,018,958	401,942
Brazos	21,835	10	85	639	87,230	443,563	410,101	24,462	763,192	319,629
Brown	26,382	28	394	2,067	388,726	1,405,227	1,320,287	84,940	2,421,780	1,016,553
Burnet	10,355	3	11	208	10,800	11,307	9,140	2,167	41,939	30,632
Caldwell	31,397	18	111	1,340	113,722	1,237,788	1,211,877	25,911	1,609,025	371,237
Callahan	12,785	5	61	130	19,930	158,089	144,452	13,637	333,737	175,648
Camerton	77,540	59	476	5,012	478,185	1,267,497	1,144,603	122,894	3,125,767	1,858,270
Camp	10,083	7	107	797	143,199	423,520	414,951	8,569	770,346	346,826
Carson	7,745	11	146	1,159	217,027	638,631	284,452	354,179	1,487,591	648,960
Cass	30,030	24	213	1,062	137,990	176,176	168,629	7,547	486,801	310,625
Chambers	5,710	2	18	108	15,704	15,560	15,560		48,000	32,450
Cherokee	43,180	45	669	2,433	613,245	542,902	524,535	18,367	1,573,598	1,030,696
Childress	16,044	10	500	2,832	671,248	1,230,305	1,219,404	60,901	2,224,907	944,602
Clay	14,545	5	9	134	11,538	20,241	17,718	2,523	60,910	30,609
Coleman	23,660	10	89	809	95,696	574,369	535,609	39,327	990,432	415,496
Collin	46,180	21	506	3,289	417,217	3,036,395	2,932,987	103,408	4,218,809	1,182,414
Collingsworth	14,461	6	21	82	36,634	51,872	46,766	5,106	144,559	92,687
Colorado	19,129	17	147	1,084	139,423	1,126,745	1,100,774	25,971	1,446,623	319,878
Comal	11,984	20	595	5,602	493,302	3,203,523	3,031,647	171,876	4,721,279	1,517,756
Comanche	18,430	11	88	603	66,195	525,172	513,262	11,910	790,552	265,380
Cooke	24,136	21	314	2,161	408,833	3,825,454	3,739,842	85,612	4,742,901	917,447
Coryell	19,999	5	50	324	39,141	239,741	221,853	17,888	386,478	116,737
Cottle	9,395	4	12	60	15,645	24,181	20,089	4,092	81,916	57,735
Crosby	11,023	7	14	248	11,701	25,870	23,453	2,417	71,548	45,678
Dallam	7,830	5	149	593	236,617	152,332	129,178	23,154	517,234	364,602
Dallas	325,691	572	13,853	74,210	15,516,789	102,863,069	100,471,091	2,391,978	168,211,802	65,348,733
Dawson	15,573	11	543	36	143	120,414	109,959	10,455	224,248	103,834
Delta	13,138	4	36	319	18,033	277,441	268,974	8,467	364,368	76,927
Denton	32,822	22	125	2,216	119,831	695,760	633,973	61,787	1,205,934	510,174
De Witt	27,441	26	493	2,533	310,042	2,529,302	2,457,402	71,900	3,440,367	920,065
Dickens	8,601	6	15	182	21,389	73,034	67,831	5,203	135,880	62,846
Donley	10,292	4	13	16	18,920	18,530	13,548	4,982	61,404	42,874
Eastland	34,156	33	133	1,768	179,038	466,591	434,082	32,509	1,445,627	979,036
Ellis	63,936	37	875	5,546	830,543	2,862,653	2,598,388	264,270	4,761,652	1,898,694
El Paso	131,597	160	6,224	30,217	6,548,115	40,171,571	38,738,066	1,433,505	54,474,189	14,302,618
Erath	20,804	16	168	1,570	174,359	701,293	712,164	79,129	1,231,616	440,323
Falls	38,771	18	119	885	110,484	1,595,856	1,557,150	38,706	2,055,928	460,072
Fannin	41,163	21	310	2,085	232,687	1,136,833	1,078,844	57,989	1,671,840	535,007
Fayette	30,708	29	121	1,467	107,938	891,438	869,804	21,634	1,308,309	416,871
Fisher	13,563	9	177	2,801	205,412	635,271	554,145	81,126	1,023,088	387,817
Freestone	22,589	10	191	778	287,137	569,840	547,469	22,371	1,078,460	505,620
Galveston	04,401	97	2,199	18,336	2,696,176	15,679,929	15,242,329	437,600	22,882,304	7,202,375
Gillespie	11,020	10	49	423	50,971	119,493	106,597	12,896	243,286	123,793
Goliad	10,063	4	15	81	11,170	104,277	101,678	2,599	152,297	48,020
Gonzales	28,337	17	220	2,100	165,667	1,167,317	1,123,070	44,247	1,755,928	588,611
Gray	22,090	19	275	1,794	421,382	2,654,015	2,251,148	402,867	4,772,751	2,118,736
Grayson	65,843	81	2,461	15,483	2,471,844	16,010,300	15,082,678	327,622	23,555,945	7,546,645
Gregg	15,778	20	485	1,419	414,733	1,195,302	1,164,107	31,195	2,243,573	1,043,271
Grimes	22,642	15	168	1,170	187,638	583,717	569,757	13,960	1,000,029	416,312
Guadalupe	28,925	11	170	1,751	177,995	1,488,330	1,373,281	65,049	2,015,561	577,231
Hale	20,189	19	125	1,818	119,068	1,735,601	1,688,340	47,265	2,310,650	811,049
Hamilton	13,523	9	51	517	53,178	386,802	376,940	9,862	550,192	143,390
Hardeman	14,532	8	221	3,435	231,287	1,812,225	1,707,886	104,339	2,521,902	709,677
Hardin	13,936	15	1,360	2,911	1,087,040	1,623,972	1,598,756	25,216	3,467,117	1,843,145
Harris	359,328	475	22,131	120,055	28,096,678	191,729,340	187,367,151	4,362,188	285,227,185	93,497,836
Harrison	48,937	39	2,319	10,473	2,437,164	4,333,838	4,090,879	242,959	9,078,542	4,744,704
Hays	14,915	9	53	494	61,349	397,717	380,097	17,620	610,637	212,920
Hemphill	4,637	5	19	105	29,744	27,293	23,323	3,970	90,227	62,534
Henderson	30,583	12	120	1,028	87,445	448,010	403,767	44,243	737,104	289,094
Hidalgo	77,004	52	277	3,309	291,908	572,682	458,505	114,177	1,828,530	1,255,848
Hill	43,036	17	474	3,146	357,280	2,664,100	2,558,038	106,062	3,758,230	1,094,130
Hockley	9,298	3	10	64	7,900	10,791	10,791		26,306	25,515
Hopkins	29,410	10	102	841	119,638	1,438,062	1,397,913	40,139	1,867,251	419,199
Houston	30,017	21	256	1,369	187,860	493,663	481,580	12,083	1,094,175	600,512

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufac- ture
						Total	Materials and con- tainers	Fuel and purchased energy		
TEXAS—Continued										
<i>Counties—Continued</i>										
Howard.....	22,888	16	504	2,020	\$817,235	\$7,134,602	\$7,061,200	\$73,402	\$9,882,521	\$2,747,919
Hunt.....	49,016	41	449	5,519	509,567	3,964,888	3,868,347	106,541	5,377,090	1,412,202
Hutchinson.....	14,848	21	528	5,071	848,824	9,483,751	9,285,359	198,392	12,992,585	3,508,834
Jackson.....	10,980	5	15	132	21,458	19,908	16,553	3,355	60,127	40,210
Jasper.....	17,064	22	1,748	4,055	1,515,899	2,671,778	2,659,609	12,169	5,567,634	2,895,850
Jefferson.....	133,391	141	14,386	121,301	10,630,752	235,596,516	231,250,410	4,346,106	297,159,552	61,563,086
Johnson.....	35,317	22	829	5,742	1,239,571	1,164,683	1,068,952	95,731	2,856,682	1,700,999
Jones.....	24,233	19	140	1,839	165,714	1,267,378	1,226,775	40,603	1,705,278	487,900
Karnes.....	23,316	8	54	487	41,269	354,547	344,867	9,680	547,543	192,966
Kaufman.....	40,905	21	135	2,200	131,166	1,634,489	1,586,801	47,688	2,141,531	507,042
Kendall.....	4,970	3	7	205	5,718	24,264	21,420	2,838	45,576	21,312
Kerr.....	10,151	4	16	264	24,046	104,860	103,656	1,204	181,007	76,207
Kleberg.....	12,451	8	383	1,549	539,499	1,443,400	1,390,368	53,032	2,429,046	985,646
Lamar.....	48,529	38	842	4,007	636,465	3,401,849	3,314,840	87,009	5,643,267	2,241,418
Lampasas.....	8,677	7	24	172	27,977	28,702	22,939	5,763	109,049	80,347
Lavaca.....	27,550	23	404	2,003	548,461	1,246,758	1,189,066	57,692	2,163,004	916,246
Liberty.....	19,868	12	398	1,070	392,374	198,138	175,624	22,514	1,004,896	806,768
Limestone.....	39,497	18	216	1,360	178,214	972,375	905,385	68,990	1,745,872	773,497
Llano.....	5,638	8	53	355	59,241	40,744	42,422	7,322	206,844	157,100
Lubbock.....	39,104	40	489	3,151	604,471	4,263,928	4,156,547	107,381	5,756,288	1,492,360
Lynn.....	12,372	6	17	56	17,383	20,542	17,133	3,409	60,113	39,571
McCulloch.....	13,883	10	66	771	70,796	667,747	641,760	25,987	922,694	254,947
McLennan.....	98,682	124	3,186	10,718	3,323,694	12,060,567	11,563,933	496,573	20,501,208	8,440,702
Marlon.....	10,371	10	207	725	139,987	360,513	345,220	5,293	637,668	287,055
Matagorda.....	17,678	12	115	631	96,260	1,209,696	1,292,315	7,381	1,793,166	493,470
Maverick.....	6,120	5	62	230	36,515	40,940	32,625	8,315	125,448	84,508
Medina.....	13,989	8	81	584	60,423	68,102	36,975	37,127	173,529	105,427
Menard.....	4,447	6	15	114	14,787	19,139	16,452	2,687	76,567	57,428
Midland.....	8,006	8	43	266	66,226	536,779	523,177	8,602	627,300	90,611
Milam.....	37,915	16	149	895	113,621	1,457,935	1,431,971	25,964	1,913,324	455,389
Montague.....	19,159	23	282	1,089	228,621	774,555	751,063	23,492	1,443,887	660,032
Montgomery.....	14,688	11	764	2,810	656,441	749,860	709,998	42,862	1,874,735	1,124,875
Morris.....	10,028	4	46	168	27,755	35,894	35,099	795	92,047	56,153
Nacogoches.....	30,290	25	636	2,251	518,596	853,793	828,715	25,078	2,438,988	1,585,195
Navarro.....	60,537	43	738	5,532	760,063	6,273,364	6,106,595	166,769	8,035,596	2,392,232
Newton.....	12,524	13	1,461	5,339	1,207,127	1,440,183	1,427,216	12,967	4,781,960	8,341,777
Nolan.....	19,323	18	351	5,838	533,351	2,370,841	2,233,103	137,738	4,385,844	2,015,003
Nueces.....	51,770	47	442	3,965	466,566	2,852,491	2,272,974	79,517	4,079,152	1,726,861
Orange.....	15,149	25	938	10,108	1,078,453	3,443,357	3,193,628	244,729	5,837,611	2,394,284
Palo Pinto.....	17,576	13	197	1,477	220,720	282,768	146,212	136,556	606,123	413,355
Panola.....	24,063	13	127	726	107,188	116,007	113,803	2,204	341,450	225,440
Parker.....	18,759	16	220	1,727	180,594	671,118	609,425	61,693	1,372,719	701,601
Pecos.....	7,812	4	16	106	25,851	19,591	10,204	2,687	67,203	44,317
Folk.....	17,555	12	718	2,612	870,841	480,373	408,326	12,047	1,550,326	1,069,963
Potter.....	46,080	52	1,225	7,980	2,057,741	9,221,847	8,540,974	674,873	14,074,591	4,852,744
Presidio.....	10,154	8	27	213	21,937	109,845	104,645	5,200	107,717	87,872
Randall.....	7,071	3	12	77	12,099	18,912	14,150	2,762	57,853	40,941
Red River.....	30,923	18	113	1,406	60,297	49,139	385,455	10,754	669,962	254,773
Robertson.....	27,240	9	115	1,028	125,099	841,417	799,733	41,684	1,144,233	362,821
Runnels.....	21,821	15	99	1,329	86,256	894,927	855,842	39,085	1,253,212	358,285
Rusk.....	32,484	28	167	1,654	129,650	552,202	545,698	6,506	800,316	308,114
San Augustine.....	12,471	9	316	1,100	277,686	462,574	460,369	2,205	1,064,362	601,788
San Saba.....	10,273	3	6	58	10,602	3,959	1,830	2,129	35,050	34,190
Scurry.....	12,188	7	30	393	26,908	168,183	159,711	8,472	268,495	90,312
Shackelford.....	6,695	6	10	203	18,127	30,850	24,083	5,873	94,205	63,340
Shelby.....	28,627	22	707	2,900	600,296	407,691	403,846	3,845	2,048,468	1,640,767
Smith.....	53,123	46	769	4,132	774,742	2,397,555	2,266,570	130,985	4,209,111	1,811,556
Starr.....	11,499	4	30	160	14,932	22,175	7,011	15,164	66,987	34,812
Stephens.....	10,560	18	190	1,423	270,916	1,120,283	977,063	143,220	2,136,619	1,015,336
Tarrant.....	197,553	248	8,600	59,327	10,607,560	98,156,407	96,077,438	2,077,969	131,336,433	33,181,026
Taylor.....	41,023	47	495	3,414	501,541	3,353,266	3,270,779	82,487	5,083,458	1,730,192
Titus.....	16,003	8	120	422	77,068	91,014	85,721	5,293	238,061	147,047
Tom Green.....	36,033	42	382	2,034	501,122	1,657,792	1,575,910	81,882	3,187,689	1,529,897
Travis.....	77,777	93	968	6,010	1,178,687	3,486,093	3,325,755	160,338	7,499,510	4,013,417
Trinity.....	13,637	8	844	2,649	702,977	417,841	394,381	23,460	1,851,450	1,433,009
Tyler.....	11,448	10	697	2,319	546,546	399,297	381,301	17,996	1,643,863	1,244,556
Upshur.....	22,297	21	182	947	131,012	216,482	206,827	9,655	429,461	272,979
Uvalde.....	12,945	7	24	258	24,011	71,620	62,270	9,350	180,520	108,900
Val Verde.....	14,924	14	97	403	116,670	683,610	666,457	17,153	1,101,628	418,016
Victoria.....	20,048	14	127	338	146,539	594,436	571,382	23,054	1,142,831	548,395
Walker.....	18,528	11	396	2,350	317,557	391,091	372,510	18,581	1,065,135	674,044
Waller.....	10,014	3	17	82	8,820	6,489	6,364	135	20,250	22,781
Ward.....	4,599	8	70	125	95,791	4,047,422	4,028,967	18,455	5,134,380	1,086,968
Washington.....	25,394	23	300	1,742	251,067	1,396,088	1,387,037	59,051	2,032,740	636,652
Webb.....	42,128	36	394	1,944	301,381	1,490,952	1,396,148	103,804	2,630,985	1,131,033

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
TEXAS—Continued										
<i>Counties—Continued</i>										
Wharton	29,681	16	111	1,186	\$96,061	\$1,068,509	\$1,043,407	\$25,102	\$1,514,585	\$446,076
Wheeler	15,555	9	78	753	104,288	934,777	922,000	12,777	1,436,785	502,008
Wichita	74,416	101	1,816	13,128	2,576,924	21,808,250	21,195,261	612,989	30,860,164	8,551,914
Willbarger	24,579	13	171	4,420	227,295	2,319,564	2,256,874	62,690	3,148,279	828,715
Williamson	44,146	29	347	2,332	297,374	1,829,435	1,746,558	82,877	2,088,751	859,316
Wilson	17,606	7	204	1,026	166,661	299,285	187,274	112,011	724,051	424,766
Wise	19,178	5	49	854	42,743	100,036	71,117	28,919	240,070	140,034
Wood	24,183	24	283	2,024	164,172	514,970	600,600	14,370	1,022,198	507,228
Young	20,128	16	68	1,056	93,065	1,512,569	1,466,783	15,786	1,627,073	414,504
All other counties ²⁵	649,853	251	4,522	30,708	5,083,656	38,189,883	37,320,150	869,733	50,349,888	12,160,005

UTAH

The State	507,847	651	15,601	123,737	\$10,698,084	\$167,902,021	\$160,715,551	\$7,186,470	\$214,623,855	\$56,726,834
<i>Counties</i>										
Beaver	5,136	6	75	215	137,472	342,542	325,761	10,781	529,008	187,066
Box Elder	17,810	20	323	5,010	326,595	1,737,560	1,623,681	113,879	2,853,384	1,115,324
Cache	27,424	37	634	4,837	711,940	5,878,924	5,254,727	624,197	8,060,700	2,687,836
Carbon	17,798	13	35	214	49,025	221,478	161,611	59,867	382,529	161,051
Davis	14,021	14	474	3,334	501,088	4,542,774	4,449,139	93,635	6,400,170	1,857,306
Duchesne	8,263	5	13	220	12,299	300,807	358,042	2,525	403,043	42,176
Juab	8,605	7	36	384	46,717	112,433	105,550	6,883	247,617	135,184
Millard	9,945	10	79	211	140,647	362,292	344,153	18,139	545,321	183,029
Morgan	2,536	5	153	3,930	196,621	482,030	305,864	176,176	1,182,579	700,549
Salt Lake	194,102	200	8,135	59,617	10,599,132	98,603,464	96,851,999	2,251,465	180,661,203	32,057,739
Sanpete	16,022	13	139	1,319	122,901	821,393	788,871	32,522	1,472,385	650,992
Sevier	11,190	13	52	549	73,347	336,784	321,794	14,990	526,442	189,658
Summit	9,527	8	66	70	63,601	292,486	199,079	3,407	356,001	153,515
Uintah	9,035	7	10	119	20,461	158,687	154,068	4,619	206,376	47,689
Utah	49,021	74	1,400	15,495	1,684,695	8,742,273	5,696,998	3,045,275	15,242,795	6,500,522
Wasatch	5,630	6	94	603	134,292	231,564	222,743	8,821	430,020	198,456
Weber	52,172	96	2,972	15,900	3,457,489	17,363,482	16,938,492	424,990	25,691,120	8,327,638
All other counties ²⁶	49,595	27	845	11,901	1,408,466	17,900,988	17,112,989	787,990	19,431,502	1,530,514

VERMONT

The State	359,611	927	27,421	163,940	\$33,809,987	\$66,262,873	\$62,871,755	\$3,391,118	\$143,522,547	\$77,259,074
<i>Counties</i>										
Addison	17,952	34	538	3,318	501,731	1,607,452	1,556,239	51,213	2,791,565	1,184,113
Bennington	21,655	47	3,167	8,801	3,194,032	6,027,679	5,810,887	216,792	13,247,541	7,219,862
Caledonia	27,253	81	1,721	11,338	2,210,500	4,189,622	3,905,044	224,578	10,129,000	5,989,438
Chittenden	47,471	87	3,465	16,434	3,552,356	10,720,736	10,275,872	444,864	19,814,848	9,094,112
Franklin	29,975	62	1,399	14,468	1,500,448	12,459,580	12,210,279	249,301	17,077,562	4,617,982
Lamoille	10,947	35	400	3,384	407,294	935,080	910,047	25,033	1,963,818	1,028,788
Orange	16,604	46	397	3,083	374,080	1,030,308	987,193	43,115	2,070,339	1,040,031
Orleans	23,036	58	1,147	6,329	1,135,210	2,200,763	2,112,915	87,848	4,700,381	2,499,618
Rutland	48,453	123	4,504	29,318	5,669,863	5,105,800	4,637,036	468,824	16,011,625	10,905,665
Washington	41,733	184	3,326	24,535	5,420,000	6,247,348	5,688,251	559,097	17,454,614	11,207,296
Windham	26,015	76	2,110	13,962	2,305,299	5,415,269	5,074,754	340,515	10,347,436	4,932,167
Windsor	37,410	86	4,027	19,616	6,822,920	7,681,632	7,128,015	453,617	23,029,350	10,047,718
All other counties (Essex and Grand Isle)	11,011	19	590	9,364	710,187	2,741,544	2,515,223	226,321	4,284,568	1,642,904

VIRGINIA

[All cities in Virginia are independent of the counties. Combined statistics are given for each county and the city or cities located within its boundaries]

The State	2,421,851	3,287	120,273	646,251	\$118,088,986	\$365,824,341	\$350,109,073	\$15,715,268	\$745,910,075	\$380,085,784
<i>Counties</i>										
Accomac	35,854	90	606	1,507	363,172	1,414,936	1,380,074	24,062	2,474,004	1,059,668
Albemarle County and Charlottesville city	42,226	61	1,143	4,275	1,099,385	2,814,981	2,704,993	139,988	5,535,095	2,690,114
Alleghany County and Clifton Forge city	27,027	32	3,002	54,120	3,777,188	15,307,544	14,465,545	841,999	25,076,970	9,769,426
Amelia	8,979	28	180	893	122,004	289,854	288,054	900	520,454	230,600
Amherst	19,020	12	93	483	65,594	508,712	503,623	5,089	651,476	142,764
Appomattox	8,462	17	65	461	40,057	95,998	94,593	1,405	198,129	102,131
Arlington County and Alexandria city	50,764	61	2,490	8,755	3,393,796	3,541,640	3,125,725	415,915	8,868,761	5,327,121
Augusta County and Staunton city	50,153	88	2,219	19,874	2,012,074	5,080,147	4,586,604	493,543	9,559,250	4,479,193
Bedford	29,091	76	873	8,520	629,556	2,495,919	2,383,544	112,375	4,187,532	1,091,613
Botetourt	15,457	29	274	1,698	224,640	499,687	389,105	110,482	1,031,439	531,852

²⁵ Aransas, Archer, Armstrong, Bailey, Bandera, Brewster, Briscoe, Burleson, Calhoun, Cochran, Coke, Crane, Crockett, Culberson, Deaf Smith, Dimmit, Ector, Edwards, Floyd, Foard, Fort Bend, Franklin, Frio, Garza, Hall, Hansford, Baskett, Hood, Hudspeth, Jack, Jeff Davis, Jim Hogg, Jim Wells, Kent, Kimble, Kinney, Knox, Lamb, La Salle, Lee, Leon, Live Oak, Madison, Martin, Mason, Mills, Mitchell, Motley, Ochiltree, Farmer, Raines, Reagan, Real, Reeves, Refugio, Rockwall, Sabine, San Jacinto, San Patricio, Sherman, Somervell, Stonewall, Sutton, Swisher, Terral, Terry, Throckmorton, Upton, Van Zandt, Willacy, and Zavala Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Andrews, Blanco, Borden, Castro, Concho, Duval, Gaines, Glasscock, Hartley, Irion, Kenedy, King, Lipscomb, Loving, McMullen, Moore, Oldham, Roberts, Schleicher, Sterling, Winkler, Yoakum, and Zapata Counties.

²⁶ Emery, Garfield, Grand, Iron, Platte, Rich, San Juan, Toccoe, and Washington Counties; combined to avoid disclosing approximations of the data for individual establishments. No manufacturing was reported from Daggett, Kane, and Wayne Counties.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
VIRGINIA—Continued										
<i>Counties—Continued</i>										
Brunswick.....	20,486	40	490	1,795	\$395,590	\$672,431	\$656,843	\$15,588	\$1,349,189	\$674,758
Buckingham.....	13,315	20	533	1,240	370,223	124,782	108,782	16,000	746,257	621,475
Campbell County and Lynchburg city.....	63,546	99	7,598	25,066	6,263,594	17,894,458	16,957,343	937,115	35,739,110	17,844,652
Caroline.....	15,263	81	217	1,417	154,890	370,245	376,543	2,702	774,258	395,013
Carroll.....	22,141	45	932	2,330	640,223	2,155,484	2,120,827	34,657	3,954,952	1,799,468
Charles City.....	4,881	8	197	680	116,800	107,312	98,711	8,601	328,189	220,877
Charlotte.....	10,001	33	169	1,220	104,241	197,338	189,132	8,206	413,824	216,496
Chesterfield.....	26,040	29	2,085	18,127	1,463,925	3,680,887	3,517,306	163,581	5,859,755	2,208,868
Clarke.....	7,167	9	102	667	82,190	417,436	408,343	9,093	722,700	305,264
Craig.....	3,562	11	46	244	31,114	24,250	24,250	-----	93,090	68,840
Culpeper.....	13,306	18	164	953	200,062	659,899	644,297	15,602	1,214,202	554,303
Cumberland.....	7,535	9	41	230	22,143	45,102	44,852	250	93,282	48,180
Dinwiddie County and Petersburg city.....	47,050	98	4,201	7,314	2,924,221	10,663,452	10,477,418	186,034	18,335,706	7,672,264
Elizabeth City County and Hampton city.....	26,217	14	180	1,312	187,768	328,400	293,552	34,848	810,204	481,804
Essex.....	6,976	20	126	456	61,346	196,162	194,557	1,605	350,930	154,768
Fairfax.....	26,204	14	35	515	36,825	260,872	260,911	2,961	375,811	105,930
Fauquier.....	21,071	11	30	213	20,837	175,386	167,970	7,410	270,130	94,744
Floyd.....	11,098	30	79	534	45,021	94,784	94,784	-----	200,058	105,274
Fluvanna.....	7,466	15	78	283	43,984	39,596	39,596	-----	125,299	85,703
Frederick County and Winchester city.....	24,022	52	1,329	6,732	1,297,353	4,029,445	3,795,185	234,260	7,301,663	3,272,218
Giles.....	12,804	14	196	963	176,324	1,505,021	1,520,843	38,178	1,920,544	355,523
Gloucester.....	11,019	15	68	284	52,984	87,829	83,847	3,982	228,390	140,561
Goochland.....	7,963	9	51	242	29,236	44,760	44,750	-----	97,010	52,260
Grayson.....	20,017	28	815	4,207	464,392	1,790,515	1,773,164	15,351	2,636,078	845,563
Greene.....	5,980	6	24	119	13,080	26,337	26,237	100	57,820	31,483
Greensville.....	13,388	22	625	1,830	427,848	1,250,122	1,240,395	9,727	1,911,740	661,618
Hallfax.....	41,283	35	533	2,136	423,012	915,461	842,522	72,939	2,126,052	1,210,591
Hanover.....	17,009	33	204	965	129,677	421,823	417,187	4,636	686,367	264,544
Henrico County and Richmond city ³⁰	213,230	321	18,336	62,672	10,879,810	95,394,868	93,390,118	2,004,750	243,029,870	147,635,002
Henry County and Martinsville city.....	27,793	35	3,698	12,797	2,947,402	8,272,511	8,059,320	213,191	15,899,822	7,626,111
Highland.....	4,625	7	25	125	14,820	28,650	28,650	-----	55,700	27,050
Isle of Wight.....	13,400	16	509	3,112	401,326	1,092,255	1,082,107	10,148	2,332,388	1,240,133
James City County and Williamsburg city.....	7,657	17	500	644	401,326	1,092,255	1,082,107	10,148	2,332,388	277,682
King and Queen.....	7,613	13	165	380	105,044	109,241	108,441	800	295,979	186,738
King George.....	5,297	0	25	70	18,904	25,093	24,943	150	51,152	26,059
King William.....	7,920	14	418	4,980	308,283	1,220,755	1,096,877	123,878	2,376,691	1,155,936
Lancaster.....	8,896	21	199	1,623	111,770	347,778	315,893	31,885	582,453	234,075
Loudoun.....	10,852	18	77	572	65,845	467,646	454,899	12,747	658,010	191,264
Louisiana.....	14,309	46	193	897	126,020	157,414	156,615	799	369,948	212,534
Lunenburg.....	14,058	13	198	862	259,548	187,904	172,946	14,958	548,823	300,919
Madison.....	8,952	23	90	623	54,117	179,985	178,667	1,318	331,078	151,093
Mathews.....	7,884	9	40	243	25,470	45,684	41,452	4,232	104,527	58,843
Mecklenburg.....	32,022	33	331	2,310	308,392	712,773	690,103	13,670	1,398,770	685,997
Middlesex.....	7,273	11	82	214	43,292	125,047	122,740	2,307	218,828	93,781
Montgomery County and Radford city.....	25,832	35	1,080	6,120	1,051,035	4,418,098	4,216,204	201,894	6,337,979	1,919,881
Nansemond County and Suffolk city.....	32,801	49	2,636	9,221	1,950,080	14,231,422	14,052,706	178,716	17,781,722	3,550,300
Nelson.....	10,345	16	373	2,616	499,287	490,256	483,684	43,428	1,445,501	911,817
New Kent.....	4,300	6	122	250	78,100	56,621	55,621	-----	228,918	179,297
Norfolk County and Norfolk, Portsmouth, and South Norfolk cities.....	213,353	262	12,187	55,862	12,963,775	58,948,187	57,408,267	1,539,920	99,128,981	40,180,794
Northampton.....	18,565	43	639	2,326	592,720	1,256,010	1,206,110	50,500	2,649,577	1,392,967
Northumberland.....	11,081	27	504	5,058	335,773	851,884	751,063	100,821	1,409,684	557,800
Nottoway.....	14,866	26	392	2,939	488,986	525,587	497,009	28,578	1,258,012	732,425
Orange.....	12,070	20	204	992	116,257	470,761	457,666	13,095	853,020	382,259
Page.....	14,852	27	651	3,432	671,659	2,831,407	2,745,731	85,676	4,079,784	1,248,377
Patriot.....	15,787	10	82	460	56,226	114,133	113,293	840	271,136	157,003
Pittsylvania County and Danville city.....	83,671	69	5,870	47,550	4,715,553	10,967,623	10,506,048	461,575	21,360,016	10,392,393
Powhatan.....	6,143	15	98	505	71,097	63,631	62,921	710	183,795	120,164
Prince Edward.....	14,520	14	100	1,033	97,672	237,765	222,267	15,498	505,484	267,170
Prince George County and Hopewell city.....	21,638	25	5,518	82,170	5,849,655	12,009,387	10,593,726	1,415,661	23,761,967	11,752,580
Prince William.....	13,951	15	66	459	52,867	341,406	336,842	4,564	493,438	154,032
Princess Anne.....	16,282	6	53	157	44,086	33,265	17,234	15,931	151,446	118,181
Pulaski.....	20,566	30	1,521	9,328	1,215,870	2,972,259	2,726,192	246,067	5,846,137	2,873,878
Rappahannock.....	7,717	8	24	128	14,620	58,952	58,752	200	96,050	37,068
Richmond.....	6,878	28	140	500	70,763	290,281	287,347	2,934	463,750	178,469
Roanoke County and Roanoke city.....	104,495	103	12,237	40,860	15,428,790	21,271,087	20,349,883	921,204	56,421,281	35,150,194
Rockbridge County and Buena Vista city.....	24,904	44	979	6,372	726,409	4,670,376	4,408,542	261,834	6,661,901	1,991,525
Rockingham County and Harrisonburg city.....	36,941	83	1,187	4,352	885,256	3,061,677	2,953,261	108,356	5,284,409	2,222,732
Russell.....	25,957	6	38	243	24,848	62,235	61,764	471	117,426	55,191
Scott.....	24,181	11	38	189	25,076	42,962	42,962	-----	108,574	60,612
Shenandoah.....	20,655	42	491	2,523	340,967	1,110,406	1,007,822	102,584	1,810,135	699,729

³⁰ Independent city nearly surrounded by Henrico County.
^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

Counties—Continued	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
Smyth	25,125	19	1,379	19,420	\$1,324,008	\$3,317,140	\$2,451,444	\$805,096	\$7,630,619	\$4,313,479
Southampton	26,870	19	319	1,000	168,500	1,968,718	1,966,108	2,005	2,376,249	407,536
Spotsylvania County and Fredericksburg city	16,875	34	950	2,257	756,766	1,732,182	1,070,190	61,992	3,518,678	1,786,496
Stafford	8,050	4	11	74	9,100	18,480	18,000	480	45,373	26,893
Surry	7,096	6	36	147	27,280	69,187	68,408	779	124,203	55,076
Sussex	12,100	24	667	2,114	342,559	906,055	894,395	11,060	1,656,931	760,876
Tazewell	32,477	23	175	1,216	165,427	259,709	232,723	26,986	674,182	414,473
Warren	8,340	17	461	3,012	440,094	1,606,272	1,457,251	49,021	3,091,986	1,585,714
Warwick County and Newport News city	43,246	43	6,635	35,070	9,134,541	12,081,857	11,580,731	521,126	26,166,573	14,084,716
Washington County and Bristol city	42,690	61	2,006	11,061	2,489,548	8,264,649	7,878,749	385,900	14,167,720	5,903,071
Westmoreland	8,497	30	264	934	118,203	582,470	574,784	7,086	914,008	332,438
Wise	51,187	35	576	3,059	534,773	1,377,627	538,836	838,791	2,402,698	1,025,071
Wythe	20,704	21	308	1,215	319,856	1,480,825	835,832	644,993	2,601,630	1,120,805
York	7,615	4	23	282	16,085	12,844	10,162	2,682	61,062	48,218
All other counties ¹¹	101,827	63	1,503	4,237	1,835,316	1,080,374	1,026,177	60,197	6,252,589	4,266,215

WASHINGTON

The State	1,563,396	3,672	114,830	814,891	\$160,670,891	\$428,413,020	\$416,134,051	\$13,278,975	\$795,561,861	\$367,148,835
<i>Counties</i>										
Asotin	8,136	8	93	527	101,129	454,741	441,450	13,291	722,069	267,323
Benton	10,952	11	72	549	109,133	761,442	737,653	23,789	1,076,666	315,224
Chelan	31,634	55	904	6,174	1,174,995	2,816,147	2,681,953	134,194	5,626,585	2,810,438
Clallam	20,449	56	2,161	30,222	3,528,299	8,286,632	7,693,905	592,727	17,187,538	8,900,906
Clark	40,316	74	3,455	59,197	4,653,323	16,112,924	15,214,759	898,165	28,265,166	12,152,242
Columbia	5,325	7	32	428	51,189	84,924	76,519	8,405	171,661	86,737
Cowlitz	31,906	54	4,250	67,940	6,120,322	5,441,350	5,210,901	230,449	17,641,367	11,641,367
Ferry	4,292	15	161	1,591	189,580	145,796	144,759	1,037	619,704	473,903
Franklin	6,137	5	278	1,155	441,203	1,051,030	1,009,701	41,835	1,771,468	719,832
Garfield	3,662	4	11	186	13,316	92,669	91,616	1,043	130,550	43,891
Grays Harbor	59,932	149	10,854	68,893	16,867,809	20,894,603	20,390,614	434,989	64,480,750	34,646,147
Jefferson	8,346	20	1,126	20,065	1,629,178	3,427,700	3,194,265	233,495	7,027,834	3,600,074
King	463,517	1,342	29,167	166,544	41,785,582	121,102,995	117,382,363	3,720,632	228,354,737	107,251,797
Kitsap	30,776	40	1,441	6,014	1,992,537	2,758,375	2,679,323	79,052	7,071,392	4,313,012
Kittitas	18,164	27	332	2,287	515,477	708,708	693,251	15,457	1,039,202	930,494
Klickitat	9,825	30	715	5,383	970,041	619,721	698,556	21,165	2,738,320	2,118,599
Lewis	40,034	130	3,265	23,672	4,560,055	5,877,811	5,728,169	149,642	14,162,690	8,234,879
Lincoln	11,876	11	56	520	60,739	435,036	422,758	12,278	713,407	278,371
Mason	10,060	54	1,886	7,403	2,720,971	4,208,016	4,031,546	171,470	11,495,688	7,292,672
Okanogan	18,519	37	829	3,745	1,208,984	922,492	875,353	47,139	2,892,007	1,909,615
Pacific	14,970	61	2,200	9,701	3,008,669	5,245,072	5,223,168	21,904	10,916,591	5,671,519
Pend Oreille	7,155	21	942	10,374	1,136,596	927,341	813,411	113,930	4,071,941	3,144,000
Pierce	163,842	415	18,282	136,544	24,269,772	106,715,636	104,127,725	2,587,910	161,420,232	54,704,597
San Juan	3,097	14	214	485	180,198	686,317	641,711	43,606	1,256,967	671,560
Skagit	35,142	76	3,071	21,722	4,310,150	9,205,769	8,676,333	529,436	18,266,791	9,061,022
Skamania	2,891	11	306	1,763	398,116	833,861	817,935	15,926	1,518,553	684,692
Snohomish	73,861	179	8,779	60,604	11,446,532	25,213,023	24,624,818	588,205	48,161,193	22,948,170
Spokane	150,477	316	8,051	45,577	10,632,736	39,346,677	38,085,654	1,261,023	65,153,181	25,806,504
Stevens	18,550	43	578	5,444	723,870	1,074,826	787,668	287,158	2,985,574	1,910,748
Thurston	31,351	67	3,011	18,531	4,222,928	7,491,492	7,346,172	145,320	16,410,485	8,927,993
Wahkiakum	3,862	14	540	363	1,056,555	1,411,751	1,403,310	8,441	3,181,282	1,769,531
Walla Walla	28,441	46	351	2,405	495,618	3,419,817	3,325,830	93,987	5,002,864	1,673,037
Whatcom	59,128	128	5,073	29,540	7,189,073	13,883,077	13,401,319	481,758	20,583,169	15,700,092
Whitman	28,014	36	131	705	198,896	698,792	672,348	26,444	1,168,682	459,890
Yakima	77,402	90	2,101	7,645	2,509,287	6,328,251	6,106,241	222,010	12,030,433	5,702,182
All other counties ¹²	26,315	17	112	477	177,113	793,557	771,904	21,503	1,108,742	315,185

WEST VIRGINIA

The State	1,729,205	1,488	85,326	650,199	\$115,294,705	\$261,397,786	\$232,934,404	\$28,413,382	\$513,012,300	\$251,614,514
<i>Counties</i>										
Barbour	18,628	19	102	680	84,721	209,701	206,798	3,993	443,808	234,017
Berkeley	28,030	46	3,740	12,641	3,507,065	7,526,988	6,807,692	719,296	14,317,154	6,790,166
Boone	24,586	8	302	1,116	355,218	260,954	252,395	8,559	996,206	735,252
Braxton	22,579	12	342	1,032	447,952	392,698	351,449	41,249	1,123,577	730,879
Brooke	24,663	23	3,389	27,618	5,470,114	13,090,114	9,902,142	3,187,972	24,183,793	11,093,679
Cabell	90,786	100	3,479	47,079	11,200,846	26,708,415	25,097,766	1,610,649	53,768,187	27,059,752
Clay	13,125	14	179	798	246,916	92,916	89,691	3,225	492,080	399,164
Doddridge	10,488	5	21	69	22,784	32,565	32,330	235	78,046	45,481
Fayette	72,500	31	1,006	11,228	1,183,417	2,081,009	1,119,044	961,965	4,574,131	2,493,122
Gilmer	10,641	7	73	314	90,444	24,680	24,615	7,065	143,386	118,760

¹¹ Bath, Bland, Buchanan, Dickenson, Franklin, and Lee Counties; combined to avoid disclosing approximations of the data for individual establishments.
¹² Adams, Douglas, Grant, and Island Counties; combined to avoid disclosing approximations of the data for individual establishments.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

Counties—Continued	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
WEST VIRGINIA—Continued										
Greenbrier.....	35,878	20	638	2,766	\$809,295	\$619,340	\$590,021	\$29,319	\$2,894,185	\$2,274,845
Hancock.....	28,511	45	11,204	116,130	19,559,051	39,990,137	33,811,707	6,178,430	75,219,211	35,229,074
Hardy.....	9,816	16	187	187	179,398	628,536	619,539	8,997	1,050,591	422,055
Harrison.....	78,567	74	4,209	17,213	5,849,527	11,791,946	10,414,123	1,377,823	23,440,045	11,554,099
Jackson.....	16,124	12	84	543	67,170	117,515	111,309	6,206	280,743	143,228
Jefferson.....	15,780	28	553	8,017	548,025	1,730,087	1,364,997	365,090	3,095,155	1,365,008
Kanawha.....	157,607	133	7,944	142,609	10,543,039	31,233,096	26,335,569	4,897,527	59,997,624	28,764,528
Lewis.....	21,794	23	929	1,893	1,248,012	1,225,933	1,053,451	172,532	3,235,560	2,009,577
Lincoln.....	19,156	6	20	82	15,096	6,102	5,850	312	36,050	26,888
Logan.....	58,534	19	599	1,880	860,026	595,115	547,552	47,563	2,035,590	1,440,475
McDowell.....	90,479	30	554	3,880	769,868	988,749	773,093	215,656	2,691,111	1,702,362
Marion.....	66,655	45	2,557	17,108	3,514,294	7,117,504	5,210,749	1,906,755	16,193,495	9,075,091
Marshall.....	39,831	40	3,920	17,781	5,738,846	16,064,720	14,584,682	1,480,038	23,671,133	12,606,413
Mason.....	20,788	19	557	2,411	601,435	953,047	895,150	90,497	2,037,402	1,078,755
Mercer.....	61,323	35	2,364	75,480	3,090,893	3,638,353	3,270,094	368,259	8,359,800	4,721,447
Mingo.....	38,319	23	929	3,146	1,279,379	887,864	813,608	74,256	2,884,076	1,996,212
Monongalia.....	50,083	40	1,733	7,441	2,543,314	3,450,490	3,039,471	411,019	8,038,792	4,588,302
Monroe.....	11,949	18	30	1,048	32,129	133,197	135,100	18,097	249,000	115,860
Morgan.....	8,406	14	323	726	220,243	1,638,489	1,015,340	23,149	2,179,612	541,123
Nicholas.....	20,686	16	1,795	11,156	2,112,973	5,117,695	4,880,193	237,502	10,598,888	5,480,093
Ohio.....	72,077	118	7,764	32,941	10,428,351	34,349,820	33,200,398	1,149,122	61,250,619	26,907,099
Pendleton.....	9,600	11	57	235	47,767	44,901	44,656	245	137,622	92,621
Pocahontas.....	14,555	17	1,036	4,043	1,211,384	4,310,740	4,262,354	48,386	6,640,034	2,320,294
Preston.....	29,043	33	808	7,844	916,992	648,212	419,014	228,198	2,416,726	1,768,514
Raleigh.....	68,072	30	940	3,213	1,217,780	859,267	802,551	56,716	3,079,447	2,220,180
Randolph.....	25,049	32	1,374	4,545	1,526,203	3,171,797	3,117,909	53,888	5,854,517	2,682,720
Ritchie.....	15,594	14	89	417	57,094	59,704	55,940	3,764	190,150	136,446
Roane.....	19,478	8	29	217	36,557	112,814	109,549	3,265	231,555	118,741
Taylor.....	19,114	15	941	3,271	1,342,660	1,097,637	1,776,202	221,435	4,382,884	2,385,247
Tyler.....	12,785	10	291	1,028	361,948	475,200	376,048	99,152	1,288,095	812,805
Upshur.....	17,944	12	366	1,011	420,183	662,247	628,709	33,538	1,365,132	702,885
Wayne.....	31,206	26	799	6,200	988,388	2,862,563	2,479,737	382,826	5,574,886	2,712,823
Webster.....	14,216	9	737	2,367	686,650	408,582	399,001	8,581	2,162,033	1,753,481
Wetzel.....	22,334	28	919	2,627	948,159	1,091,332	851,822	239,510	2,875,196	1,783,864
Wood.....	56,521	75	6,408	29,782	7,733,668	16,738,638	15,787,774	950,864	38,061,092	22,222,464
Wyoming.....	20,926	14	636	3,050	890,102	933,924	606,742	27,182	2,088,351	1,454,427
All other counties ³³	114,709	103	3,206	12,626	4,293,332	14,610,933	14,164,678	452,405	21,207,784	6,500,801

WISCONSIN

The State.....	2,930,000	7,431	264,745	1,239,394	\$352,490,893	\$1,209,840,037	\$1,161,604,893	\$45,175,194	\$2,150,681,769	\$640,841,682
<i>Counties</i>										
Adams.....	8,003	7	117	226	191,994	200,896	241,839	19,057	498,857	232,001
Ashland.....	21,054	40	1,180	7,704	1,348,492	2,174,001	2,016,489	157,512	4,888,580	2,714,579
Barron.....	34,301	66	735	4,958	722,409	5,361,846	5,242,821	119,025	7,844,303	2,482,517
Bayfield.....	15,006	21	738	6,040	843,740	2,293,998	2,075,183	128,815	4,827,839	2,623,841
Brown.....	70,249	171	4,899	38,745	6,394,506	22,643,106	21,276,938	1,366,178	39,680,413	17,037,307
Buffalo.....	15,330	24	86	698	98,221	1,941,613	1,019,453	22,160	2,258,347	316,734
Burnett.....	10,233	17	48	367	49,437	862,287	857,367	4,020	986,124	123,837
Calumet.....	16,848	88	540	2,910	589,585	4,205,001	4,040,411	164,590	6,073,823	1,808,822
Chippewa.....	37,342	84	1,209	21,463	1,323,507	7,564,410	7,313,806	250,604	11,404,970	3,840,560
Clark.....	34,165	129	647	3,839	660,460	6,112,606	5,986,100	127,500	8,252,622	2,140,016
Columbia.....	30,503	70	933	3,611	806,932	5,773,693	5,598,904	174,789	8,561,192	2,787,499
Crawford.....	16,781	51	397	1,430	384,985	1,092,853	1,049,582	43,271	2,923,808	930,055
Dane.....	112,737	255	4,220	14,401	6,038,260	25,633,800	27,996,470	637,420	45,934,075	18,300,185
Dodge.....	62,092	210	3,417	10,630	3,870,590	15,741,472	15,136,990	604,482	28,210,250	12,468,778
Door.....	18,182	35	377	1,810	429,278	4,104,277	4,040,062	64,215	5,232,201	1,127,024
Douglas.....	46,583	61	1,741	15,167	2,435,582	15,619,275	13,507,866	2,111,409	21,989,000	6,370,715
Dunn.....	27,037	44	302	2,666	340,855	4,153,823	4,057,618	96,305	5,020,479	806,656
EAU Claire.....	41,087	98	3,050	24,640	4,164,148	16,489,843	15,861,419	628,424	24,944,151	8,454,308
Fond du Lac.....	59,833	162	4,324	12,614	5,142,746	18,718,018	18,081,225	636,793	31,908,684	13,190,666
Forest.....	11,118	19	1,187	3,618	1,106,603	1,056,127	1,028,974	27,153	3,732,318	2,076,191
Grant.....	38,469	95	281	1,271	307,000	3,680,451	3,610,794	69,657	4,684,364	1,003,913
Green.....	21,870	161	304	1,793	398,133	5,179,215	5,054,169	125,046	6,903,833	1,724,618
Green Lake.....	13,913	29	399	1,043	356,096	3,113,776	3,034,425	79,350	4,668,947	1,555,171
Iowa.....	20,039	140	263	2,314	393,101	3,478,047	3,334,524	143,522	4,611,890	1,133,843
Iron.....	9,933	11	173	391	197,301	402,046	397,362	4,684	897,339	496,293
Jackson.....	16,468	27	156	1,437	155,477	1,543,835	1,519,465	24,370	1,864,199	320,364
Jefferson.....	36,785	102	2,868	8,955	3,181,490	13,703,509	13,306,045	397,464	23,834,706	10,131,197
Juneau.....	17,264	25	123	741	180,413	1,475,840	1,447,800	28,040	1,866,714	300,874
Kenosha.....	63,277	62	11,644	40,423	18,410,702	60,378,295	58,691,882	1,686,433	97,582,456	37,204,191
Kewaunee.....	16,037	76	862	3,225	913,908	3,612,731	3,523,731	88,954	6,077,313	2,464,582

³³ Calhoun, Grant, Hampshire, Mineral, Pleasants, Putnam, Summers, and Tucker Counties; combined to avoid disclosing approximations of the data for individual establishments.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 6.—SUMMARY BY STATES AND COUNTIES: 1929—Continued

	Population, 1930	Number of estab- lishments	Wage carriers (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufac- ture
						Total	Materials and con- tainers	Fuel and purchased energy		
WISCONSIN—Continued										
<i>Counties—Continued</i>										
La Crosse.....	54,455	117	5,742	12,095	\$8,131,457	\$12,990,446	\$12,416,606	\$573,840	\$27,704,325	\$14,713,870
Lafayette.....	18,049	110	184	2,104	272,305	3,500,006	3,399,146	100,860	4,523,340	1,023,334
Langlade.....	21,544	34	937	2,487	1,009,895	1,900,735	1,810,300	90,435	4,374,188	2,473,453
Lincoln.....	21,072	65	1,807	24,024	1,719,706	5,635,176	5,357,246	277,930	10,184,427	4,549,251
Manitowoc.....	28,674	104	7,050	33,067	8,570,578	28,129,787	26,907,142	1,222,645	49,861,501	21,731,714
Marathon.....	70,629	211	4,861	36,838	5,274,860	20,316,304	19,461,430	854,874	34,720,594	14,404,290
Marinette.....	33,530	72	2,901	30,127	3,093,237	12,070,563	11,574,208	496,355	19,038,550	7,507,087
Menominee.....	9,388	13	123	577	163,830	635,463	626,271	9,192	912,001	277,138
Milwaukee.....	725,263	1,939	117,058	421,661	170,962,354	478,173,932	460,428,914	17,745,018	912,261,503	434,087,571
Monroe.....	28,739	39	182	1,060	196,323	3,819,093	3,759,165	59,928	4,812,817	933,724
Oconto.....	20,386	84	1,580	9,003	1,473,135	5,324,897	5,095,242	229,655	8,554,344	3,229,447
Oneida.....	15,890	27	1,802	17,409	1,837,356	4,597,783	4,311,011	286,772	8,801,018	4,208,236
Outagamie.....	62,790	167	5,406	84,166	6,585,707	26,977,454	24,898,523	2,078,931	44,296,219	17,318,765
Ozaukee.....	17,394	78	1,374	4,816	1,430,802	3,947,630	3,734,012	163,618	7,855,386	3,907,756
Pepin.....	7,450	10	94	373	87,700	1,722,356	1,704,170	18,186	1,973,799	251,443
Pierce.....	21,043	26	136	446	156,567	2,193,660	2,172,283	26,377	2,505,952	367,202
Polk.....	26,567	69	279	2,128	255,739	3,836,486	3,835,416	53,070	4,894,057	977,571
Portage.....	33,827	52	1,553	20,409	1,679,901	6,771,615	6,396,884	374,731	12,048,838	5,277,243
Price.....	17,284	47	1,585	13,456	1,639,211	3,568,842	3,323,896	244,946	6,957,059	3,383,217
Racine.....	90,217	217	15,558	56,843	21,972,011	77,672,502	75,080,699	2,591,803	156,949,810	78,977,308
Richland.....	19,525	83	192	1,465	218,955	3,462,166	3,393,780	68,386	4,396,529	934,363
Rock.....	74,206	119	9,585	27,117	14,430,363	84,089,708	82,850,711	1,232,997	147,300,223	63,210,515
Rusk.....	16,081	28	617	11,916	577,066	2,835,245	2,735,948	99,297	4,596,821	1,761,676
St. Croix.....	25,455	49	644	3,312	717,087	4,770,633	4,677,363	93,270	6,139,094	1,368,461
Sauk.....	32,030	74	615	3,164	570,091	4,639,654	4,421,244	118,310	6,030,480	1,490,926
Shawano.....	33,516	136	1,201	5,947	1,243,169	5,480,621	5,329,760	150,861	8,365,478	2,884,857
Sheboygan.....	71,235	243	10,000	29,860	12,478,285	29,342,855	28,027,622	1,315,233	55,548,246	29,205,391
Taylor.....	17,685	39	651	2,932	556,176	2,639,927	2,614,967	24,960	3,854,814	1,214,887
Trempealeau.....	23,910	31	134	1,461	135,720	3,331,625	3,781,428	50,997	4,431,066	600,081
Vernon.....	28,537	45	122	1,214	127,758	3,577,179	3,514,909	62,270	4,525,490	943,311
Vilas.....	7,294	8	499	1,741	431,507	687,220	677,268	9,952	1,422,092	734,872
Walworth.....	31,658	42	799	2,305	753,976	3,818,904	3,701,613	117,291	6,378,793	2,559,839
Washington.....	11,103	12	110	265	102,325	613,455	584,928	28,527	4,878,883	260,428
Washington.....	20,551	73	2,053	6,994	2,142,974	9,801,858	9,519,478	282,380	17,069,167	7,297,309
Waukesha.....	52,858	96	4,241	14,773	5,718,652	18,357,897	17,738,187	624,710	37,152,320	13,794,423
Waupaca.....	33,513	89	1,471	5,554	1,390,349	9,241,532	9,059,590	181,942	12,947,618	3,706,086
Waushara.....	14,427	19	73	1,132	96,426	934,378	913,333	20,445	1,220,046	285,668
Winnebago.....	70,622	214	10,491	50,079	11,438,928	35,933,140	33,735,978	1,547,178	63,244,835	27,011,739
Wood.....	37,806	102	2,537	32,504	3,042,211	16,804,644	15,212,558	1,592,086	29,617,333	9,812,689
All other counties (Florence and Sawyer).....	12,646	18	363	754	208,200	657,100	633,463	23,697	1,846,656	1,130,490
WYOMING										
The State.....	225,565	243	6,258	46,677	\$10,255,365	\$62,720,084	\$60,033,573	\$2,686,511	\$96,348,076	\$33,627,992
<i>Counties</i>										
Albany.....	12,041	26	770	6,525	1,316,608	3,107,219	2,855,717	251,502	5,641,636	2,534,467
Big Horn.....	11,222	12	312	3,523	408,946	3,993,206	3,814,211	178,995	6,978,403	2,985,197
Carbon.....	11,301	14	289	2,072	537,144	2,351,901	2,278,273	103,628	4,317,087	1,935,180
Converse.....	7,145	7	90	634	152,750	1,064,830	1,514,405	150,335	2,860,832	1,196,002
Crook.....	6,333	7	91	444	111,475	67,548	67,163	385	237,209	160,661
Fremont.....	10,400	12	253	430	320,089	617,242	603,390	13,852	1,015,564	398,322
Hot Springs.....	5,476	5	12	62	16,657	35,611	34,651	960	92,156	56,545
Johnson.....	4,810	3	57	128	77,675	34,280	33,076	1,204	136,836	102,556
Laramie.....	26,845	22	1,073	4,498	1,545,363	1,937,005	1,777,541	160,064	4,279,768	2,342,163
Lincoln.....	10,894	10	32	165	40,286	352,207	339,795	12,412	456,651	83,444
Park.....	8,207	9	49	650	78,612	394,940	381,836	13,104	564,975	170,085
Platte.....	9,695	7	25	84	27,871	27,100	25,665	1,435	84,436	57,336
Sheridan.....	16,875	30	569	2,503	837,270	3,365,463	3,236,243	129,220	4,926,739	1,561,276
Sublette.....	1,944	6	113	242	98,191	69,264	65,669	3,595	286,800	217,538
Sweetwater.....	18,165	11	343	847	731,544	563,247	553,983	9,264	1,390,045	826,798
Uinta.....	6,572	7	244	738	367,850	533,822	522,402	31,420	1,046,631	462,809
Weston.....	4,673	8	20	635	21,837	199,353	193,849	5,504	299,100	99,747
All other counties ²⁴	53,781	53	1,916	21,588	3,475,214	43,325,246	41,705,614	1,619,632	61,764,168	18,428,912

²⁴ Campbell, Goshen, Natrona, Niobrara, Teton, and Washakie Counties; combined to avoid disclosing approximations of the data for individual establishments.

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 7.—SUMMARY FOR COUNTIES GROUPED ACCORDING TO NUMBER OF WAGE EARNERS EMPLOYED: 1929

	United States	COUNTIES EMPLOYING—							
		Under 1,000 wage earners	1,000 to 2,499 wage earners	2,500 to 4,999 wage earners	5,000 to 9,999 wage earners	10,000 to 24,999 wage earners	25,000 to 49,999 wage earners	50,000 to 99,999 wage earners	100,000 wage earners and over
Counties:									
Number	1 3,076	2 2,254	367	178	122	92	31	21	11
Per cent of total for United States	100.0	73.3	11.9	5.8	4.0	3.0	1.0	0.7	0.4
Population:									
Number	122,775,046	36,077,057	11,999,986	8,824,242	11,071,970	14,768,503	9,275,037	11,636,912	19,121,339
Per cent of total for United States	100.0	29.4	9.8	7.2	9.0	12.0	7.6	9.5	15.6
Establishments:									
Number	210,969	34,926	16,003	13,817	16,939	23,563	17,555	26,647	61,500
Per cent of total for United States	100.0	16.6	7.6	6.5	8.0	11.2	8.3	12.6	29.2
Wage earners (average for the year):									
Number	8,838,743	542,028	582,936	632,709	844,106	1,492,523	998,980	1,524,448	2,221,013
Per cent of total for United States	100.0	6.1	6.6	7.2	9.6	16.9	11.3	17.2	25.1
Horsepower: ⁵									
Number	42,931,061	3,041,014	3,480,673	3,734,975	4,083,101	7,702,721	5,588,289	6,442,329	7,057,050
Per cent of total for United States	100.0	7.1	8.1	8.7	11.6	17.9	13.0	15.0	18.5
Wages:									
Amount	\$11,620,973,254	\$515,402,277	\$604,555,316	\$718,495,433	\$1,009,869,915	\$1,893,599,839	\$1,887,672,290	\$2,074,142,770	\$3,417,235,405
Per cent of total for United States	100.0	4.4	5.2	6.2	8.7	16.3	11.9	17.8	29.4
Cost of materials, containers for products, fuel, and purchased electric energy:									
Amount	\$38,549,579,732	\$2,114,226,595	\$2,222,951,461	\$2,218,722,823	\$3,557,743,630	\$6,631,465,400	\$4,556,717,400	\$6,312,071,135	\$10,935,681,228
Per cent of total for United States	100.0	5.5	5.8	5.8	9.2	17.2	11.8	16.4	28.4
Value of products:									
Amount	\$70,434,863,443	\$3,439,747,444	\$3,737,190,545	\$4,010,139,673	\$6,325,001,319	\$11,772,582,009	\$8,334,162,259	\$11,946,730,878	\$20,869,207,256
Per cent of total for United States	100.0	4.9	5.3	5.7	9.0	16.7	11.8	17.0	29.6
Value added by manufacture:									
Amount	\$31,885,283,711	\$1,325,520,849	\$1,514,245,084	\$1,791,416,850	\$2,787,347,689	\$5,141,116,609	\$3,777,444,859	\$5,634,665,743	\$9,933,526,028
Per cent of total for United States	100.0	4.2	4.7	5.6	8.7	16.1	11.8	17.7	31.2

¹ The independent cities of Baltimore and St. Louis are treated as counties. The independent cities in Virginia are not, however, classed separately but are treated as parts of the counties by which they are surrounded. Each of the 5 boroughs of Greater New York is a separate county.

² Includes 62 counties in each of which no manufacturing was reported.

³ Includes independent city of Baltimore.

⁴ Includes independent city of St. Louis.

⁵ Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929

[This table presents statistics for each city of 10,000 inhabitants or more for which it is possible to give separate figures without disclosing approximations of the data reported by individual establishments. For combined totals for all cities not shown separately, see p. 307. The figures for each city refer to those establishments located within the corporate limits as constituted on Apr. 1, 1930 (the date of the population census)]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
ALABAMA										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Phenix City, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Anniston.....	22,345	59	3,348	11,175	\$2,498,191	\$5,647,916	\$5,244,028	\$403,888	\$10,849,103	\$5,201,277
Bessemer.....	20,721	22	2,019	5,300	2,103,744	4,556,285	4,209,059	356,623	9,544,329	4,978,044
Birmingham.....	259,678	313	17,893	189,791	21,079,089	73,102,945	61,343,087	11,759,858	133,431,009	60,328,064
Decatur.....	15,593	33	2,598	7,719	2,693,636	5,735,508	5,508,401	227,107	10,585,182	4,849,674
Dothan.....	16,046	27	367	3,157	225,413	1,434,811	1,392,852	41,959	2,250,524	824,713
Fairfield.....	11,059	10	303	2,405	338,880	1,953,633	1,821,293	132,350	3,556,575	1,602,942
Florence.....	11,729	25	870	3,243	553,287	1,986,654	1,903,288	83,366	3,179,698	1,193,044
Gadsden.....	24,042	46	2,725	9,685	2,277,293	7,289,803	5,498,567	1,771,236	12,245,551	4,975,748
Huntsville.....	11,554	23	749	2,754	431,116	2,037,890	1,943,947	93,943	3,230,725	1,248,835
Mobile.....	68,292	99	4,411	15,028	5,217,093	8,213,666	7,761,974	451,692	19,302,245	11,088,579
Montgomery.....	66,079	99	3,355	10,300	3,275,182	11,333,993	10,851,943	482,050	21,611,859	10,277,866
Selma.....	18,012	26	1,063	5,514	936,870	5,084,884	4,922,324	162,560	7,172,182	2,087,298
Tuscaloosa.....	20,689	27	652	2,205	616,781	1,033,139	975,704	57,435	2,322,209	1,289,130
ARIZONA										
Phoenix.....	48,118	101	1,456	8,530	\$2,054,376	\$7,483,628	\$8,890,901	\$592,727	\$14,482,436	\$6,998,898
Tucson.....	32,506	43	993	3,671	1,443,534	1,823,958	1,685,148	238,810	4,568,980	2,745,022
ARKANSAS										
Blytheville.....	10,098	10	73	237	\$72,510	\$159,996	\$141,150	\$18,846	\$425,915	\$265,919
El Dorado.....	16,421	23	538	3,002	747,207	5,130,574	4,858,736	271,838	7,625,163	2,494,580
Fort Smith.....	31,429	84	3,012	9,501	2,765,126	8,344,176	7,985,711	358,465	15,780,331	7,442,155
Hot Springs.....	20,238	31	215	1,702	230,862	506,554	471,467	35,087	1,302,885	796,331
Jonesboro.....	10,326	26	527	2,031	441,277	1,236,354	1,197,626	38,728	2,388,294	1,151,940
Little Rock.....	81,679	134	3,450	12,617	3,184,090	11,990,459	11,672,799	317,660	21,317,979	9,327,520
North Little Rock.....	19,418	25	2,534	11,870	3,547,128	6,736,859	6,463,630	273,229	11,718,549	4,976,690
Pine Bluff.....	20,760	47	1,417	11,573	1,301,600	5,077,487	4,922,188	155,299	8,325,367	3,247,880
Texarkana, Ark. and Tex., total.....	27,366	52	1,043	5,180	1,066,344	3,965,736	3,760,829	204,907	6,904,786	2,939,050
Texarkana, Ark.....	10,764	10	199	1,738	170,055	1,573,195	1,528,450	44,745	2,237,105	663,910
Texarkana, Tex.....	16,602	36	844	3,442	887,289	2,392,541	2,232,379	160,162	4,667,681	2,275,140
CALIFORNIA										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for San Leandro and Vallejo, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Alameda.....	85,033	50	1,166	11,587	\$1,633,300	\$2,824,321	\$2,094,409	\$129,912	\$6,635,178	\$3,810,857
Alhambra.....	29,472	43	1,217	5,027	1,622,246	4,041,804	3,900,053	141,751	7,894,951	3,853,147
Anaheim.....	10,995	22	173	1,607	251,494	1,820,955	1,773,687	47,268	2,682,830	861,875
Bakersfield.....	26,015	40	1,050	6,643	1,625,923	5,351,443	5,149,266	202,177	10,064,144	4,471,701
Berkeley.....	82,109	173	3,435	20,497	5,457,130	30,456,130	29,972,986	483,144	50,145,787	19,092,657
Beverly Hills.....	17,429	13	203	1,180	356,260	693,136	661,920	31,216	1,609,947	916,811
Brawley.....	10,439	8	58	1,433	88,502	151,257	70,919	80,338	655,467	504,210
Burbank.....	16,662	26	1,607	5,515	3,001,850	6,287,625	6,157,916	129,709	17,910,304	11,622,679
Burlingame.....	13,270	12	60	129	80,613	150,292	145,938	4,354	382,295	232,003
Compton.....	12,516	10	151	614	210,358	317,555	284,161	33,394	1,279,433	961,878
Eureka.....	15,752	35	1,200	6,965	1,746,067	1,730,772	1,653,404	77,368	5,265,225	3,534,453
Fresno.....	52,513	126	3,219	15,722	3,970,484	21,060,179	21,203,168	447,011	36,135,823	14,485,644
Fullerton.....	10,800	14	237	1,443	248,332	734,754	678,172	56,582	1,562,160	827,406
Glendale.....	62,738	118	886	3,736	1,335,819	2,425,077	2,347,542	77,535	6,262,409	3,837,332
Huntington Park.....	24,591	45	1,041	4,080	1,048,514	2,864,276	2,768,411	95,864	8,346,395	5,482,120
Inglewood.....	19,480	23	600	1,682	780,672	1,195,172	1,133,865	61,307	3,183,117	1,687,945
Long Beach.....	142,032	197	2,566	11,184	3,738,236	31,777,005	31,300,593	336,412	54,676,736	22,899,731
Los Angeles.....	1,238,048	3,437	76,023	287,120	112,464,365	375,237,243	368,235,761	7,001,482	757,702,136	382,464,892
Modesto.....	13,842	39	837	3,178	951,632	8,665,685	8,482,032	181,653	12,507,941	3,844,256
Monrovia.....	10,890	17	197	683	246,787	671,263	647,837	23,426	1,358,656	687,893
Oakland.....	284,063	738	19,090	92,136	26,130,309	115,085,451	112,452,803	2,632,558	206,659,418	91,573,967
Ontario.....	13,583	20	752	2,920	808,449	2,004,752	1,932,529	72,223	5,765,089	3,760,337
Palo Alto.....	18,052	18	369	834	480,006	1,105,284	1,076,074	30,210	2,310,495	1,204,211
Pasadena.....	76,066	159	1,071	4,730	1,782,317	2,329,944	2,244,689	85,255	7,029,917	4,699,073
Pomona.....	20,804	30	772	3,280	1,050,993	2,394,998	2,193,210	141,788	5,058,002	2,728,004
Redlands.....	14,177	22	117	655	160,485	217,116	201,467	15,649	640,522	423,406
Richmond.....	20,093	36	3,715	29,929	0,908,434	44,593,072	44,122,075	470,997	58,869,916	14,276,844
Riverside.....	29,696	39	885	9,450	1,477,339	1,902,900	1,336,695	566,205	4,993,487	3,060,587
Sacramento.....	93,760	203	7,112	27,725	10,331,139	27,346,877	26,266,106	1,080,771	50,408,778	23,051,901
Salinas.....	10,263	20	295	2,440	395,721	2,174,071	2,054,329	110,742	3,848,432	1,712,361

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) *	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
CALIFORNIA—Continued										
San Bernardino.....	37,481	51	2,023	10,835	\$3,044,005	\$3,723,071	\$3,547,421	\$175,650	\$8,747,143	\$5,024,072
San Buenaventura.....	11,603	18	162	970	206,953	2,206,351	2,171,749	34,602	3,189,880	983,520
San Diego.....	147,995	253	3,836	20,407	5,230,005	17,947,572	17,108,608	838,964	84,205,183	16,257,611
San Francisco.....	634,394	2,526	45,482	157,372	67,911,982	261,911,438	257,074,625	4,836,863	453,712,296	221,800,808
San Jose.....	57,651	191	6,503	16,307	6,390,799	34,940,214	34,348,659	600,555	57,210,419	22,201,205
San Mateo.....	13,444	16	103	706	143,153	218,142	195,061	23,081	661,463	443,321
Santa Ana.....	30,322	76	703	2,391	959,774	2,626,090	2,553,132	72,958	5,099,756	2,473,600
Santa Barbara.....	33,613	59	343	2,012	600,688	905,688	849,042	50,646	2,433,050	1,527,371
Santa Cruz.....	14,895	31	219	1,584	334,781	619,573	538,347	81,226	1,440,431	820,868
Santa Monica.....	37,146	31	1,085	3,389	1,694,035	1,329,419	1,186,887	142,532	4,356,656	3,027,237
Santa Rosa.....	10,636	31	199	1,350	274,639	579,501	543,444	36,057	1,377,530	798,020
South Gate.....	19,632	19	404	1,841	666,580	1,721,999	1,087,234	34,765	3,220,830	1,498,840
South Pasadena.....	13,730	18	56	284	82,117	121,520	109,120	12,400	388,127	266,007
Stockton.....	47,968	124	2,905	26,285	3,934,417	12,645,060	11,936,236	708,824	25,118,409	12,473,400
Whittier.....	14,822	19	137	409	208,640	460,032	438,885	21,147	1,109,716	643,684

COLORADO

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Fort Collins and Pueblo, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Boulder.....	11,223	17	155	530	\$188,401	\$336,820	\$299,111	\$37,709	\$828,913	\$492,093
Colorado Springs.....	33,237	65	547	2,014	775,811	2,544,923	2,415,842	129,581	4,948,810	2,403,887
Denver.....	287,861	781	16,239	61,435	20,910,625	83,179,353	81,123,018	2,050,335	144,618,574	61,434,221
Grand Junction.....	10,247	20	253	826	272,904	1,396,698	1,353,443	43,255	2,129,711	820,013
Greeley.....	12,203	22	152	1,077	215,546	1,208,311	1,134,386	73,925	1,935,244	726,939
Trinidad.....	11,732	25	297	1,109	391,903	1,149,145	1,093,556	55,589	2,030,363	887,213

CONNECTICUT

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Shelton, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Ansonia.....	10,898	24	5,510	45,980	\$8,088,323	\$40,803,646	\$39,605,655	\$1,197,991	\$62,662,211	\$21,868,565
Bridgeport.....	146,716	339	30,671	117,271	39,452,165	81,026,801	77,280,191	3,746,410	170,040,027	65,020,326
Bristol.....	28,451	32	7,715	37,184	10,673,067	14,136,762	12,927,338	1,209,424	40,234,951	32,098,180
Danbury.....	22,201	81	5,565	10,610	7,795,546	22,317,395	21,675,370	642,025	37,009,460	15,382,065
Derby.....	10,788	30	1,218	4,118	1,630,628	2,202,229	2,090,239	111,990	6,181,553	3,979,324
Hartford.....	164,072	364	24,744	57,156	36,020,538	43,044,133	41,817,547	2,126,586	137,226,292	93,282,150
Meriden.....	38,481	105	7,038	17,311	9,447,926	11,628,135	11,025,805	602,330	36,765,031	26,130,026
Middletown.....	24,554	49	4,015	9,893	5,011,657	6,426,107	6,089,383	430,724	20,997,834	11,571,727
Naugatuck.....	14,315	19	2,885	18,782	3,741,328	9,009,771	8,512,174	497,597	15,375,164	9,365,363
New Britain.....	68,128	83	14,699	45,833	19,651,267	21,764,180	20,288,974	1,475,206	69,796,067	48,032,787
New Haven.....	162,655	497	24,974	75,538	31,161,505	53,815,885	49,227,113	4,588,772	130,534,017	79,708,732
New London.....	29,640	51	2,337	4,535	2,570,525	6,349,400	6,094,080	255,320	12,100,159	5,750,769
Norwalk.....	36,019	56	2,461	6,438	3,204,987	8,444,174	8,160,195	283,979	17,588,073	9,113,899
Norwich.....	23,021	72	4,289	15,476	5,228,089	10,769,793	10,264,200	500,593	25,475,387	14,715,024
Stamford.....	46,346	80	6,466	17,998	9,594,304	12,965,856	12,192,079	773,777	35,469,598	22,503,712
Torrington (borough).....	20,040	45	6,895	21,034	8,973,789	19,155,265	18,231,829	923,436	41,163,027	22,037,702
Wallingford (borough).....	11,170	35	2,990	7,765	3,917,062	5,273,242	5,009,557	263,685	14,041,443	9,368,201
Waterbury.....	99,902	181	24,369	129,530	32,968,833	36,104,585	32,052,374	4,052,211	157,285,971	71,181,386
Willimantic.....	12,102	24	2,230	8,628	2,191,178	9,115,279	8,935,807	179,472	14,702,922	5,587,648

DELAWARE

Wilmington.....	100,597	103	14,910	61,534	\$19,828,881	\$47,800,270	\$45,566,908	\$2,242,362	\$60,521,387	\$42,712,117
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DISTRICT OF COLUMBIA

Washington.....	486,860	547	9,752	44,916	\$15,512,711	\$36,200,070	\$33,095,733	\$3,104,337	\$88,072,885	\$52,772,815
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FLORIDA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Sanford, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Daytona Beach.....	16,598	28	179	1,507	\$239,080	\$510,096	\$407,064	\$103,032	\$1,358,984	\$848,888
Gainesville.....	10,465	21	196	1,191	205,544	499,809	462,025	37,784	1,170,103	679,354
Jacksonville.....	129,549	209	6,240	23,886	7,161,470	30,510,378	29,642,550	867,828	55,108,183	24,597,805
Key West.....	12,831	26	766	1,283	648,404	888,140	821,804	66,336	2,267,993	1,379,868
Lakeland.....	18,554	29	459	1,920	573,600	842,471	758,296	84,175	2,231,519	1,360,048
Miami.....	110,637	170	1,905	10,721	2,614,244	3,944,315	3,495,440	448,875	12,396,642	8,452,327
Orlando.....	27,330	46	522	3,834	563,337	1,072,365	950,965	121,400	2,965,271	1,922,908
Pensacola.....	31,579	50	1,244	7,092	1,692,464	2,353,219	2,075,184	278,035	6,061,039	3,707,820
St. Augustine.....	12,111	13	357	3,393	499,321	436,270	355,700	80,570	1,520,410	1,034,140
St. Petersburg.....	40,425	65	502	6,044	692,421	1,173,634	962,613	211,021	3,370,883	2,197,249
Tallahassee.....	10,700	16	136	615	200,718	270,175	226,910	43,265	737,474	467,290
Tampa.....	101,161	236	13,144	20,990	13,834,191	20,648,919	19,910,205	738,714	53,107,496	32,458,577
West Palm Beach.....	26,610	36	378	4,010	602,575	913,967	754,792	159,175	2,845,658	1,931,091

* Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
GEORGIA										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Brunswick, Rome, and Waycross, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Albany	14,507	28	720	2,804	\$496,540	\$2,208,133	\$2,137,953	\$70,180	\$3,639,541	\$1,431,408
Athens	18,192	37	1,582	6,402	997,043	4,512,968	4,313,813	199,155	7,013,093	3,100,695
Atlanta	270,306	509	18,509	63,105	18,210,591	72,165,329	70,105,395	2,059,934	136,509,761	64,344,432
Augusta	60,342	84	5,218	31,740	4,160,535	16,763,811	16,170,242	593,569	26,309,117	9,545,306
Columbus	43,131	79	9,852	34,198	6,955,161	20,854,973	19,957,989	896,984	39,004,527	18,809,554
Decatur	13,276	8	55	297	76,996	118,301	109,270	9,025	303,363	185,062
Griffin	10,321	20	2,723	9,387	1,772,913	6,041,159	5,789,094	252,065	11,043,060	5,001,907
Lagrange	20,131	32	4,705	18,857	2,670,185	13,364,495	12,884,204	480,291	21,104,084	7,739,589
Macon	53,829	89	6,120	30,573	5,123,690	18,121,305	17,299,381	821,924	29,612,150	11,490,845
Savannah	85,024	102	3,172	12,333	2,940,062	7,117,436	6,094,151	423,285	14,725,236	7,007,800
Thomasville	11,733	25	684	2,090	403,840	865,426	823,766	41,660	1,046,001	1,080,575
Valdosta	13,482	27	537	2,955	358,846	1,763,403	1,686,199	77,204	2,937,884	1,174,481
IDAHO										
Boise	21,544	45	344	1,212	\$474,137	\$1,636,288	\$1,555,220	\$81,068	\$3,200,057	\$1,563,760
Pocatello	16,471	21	957	7,927	1,566,414	3,326,172	3,222,781	103,391	5,726,774	2,400,602
ILLINOIS										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Canton, East Moline, Harrisburg, and Mount Vernon each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307. No manufacturing was reported from Elmwood Park]										
Alton	30,151	50	2,716	14,276	\$3,272,725	\$10,429,809	\$9,688,526	\$741,283	\$20,052,724	\$9,622,916
Aurora	46,589	104	5,138	13,803	6,958,778	12,103,307	11,587,930	515,377	30,939,749	18,836,442
Belleville	28,425	83	3,422	7,222	4,047,620	10,667,260	10,349,190	308,070	20,336,094	9,079,434
Berwyn	47,027	27	64	54	105,076	228,726	221,784	6,942	431,074	252,348
Bloomington	30,930	62	2,937	12,060	3,972,917	7,039,677	6,710,944	328,733	16,644,122	9,604,446
Blue Island	16,534	27	1,155	7,220	1,163,611	4,700,185	4,440,374	319,811	9,756,553	4,696,368
Brookfield	10,035	4	23	30	36,585	53,846	49,784	4,062	233,015	179,160
Calumet	13,532	37	913	7,067	974,054	4,602,252	4,508,604	93,648	6,080,899	2,078,047
Calumet City	12,208	15	814	4,967	1,193,964	6,407,854	6,200,331	207,523	8,961,867	2,544,033
Centralia	12,583	16	259	1,933	287,593	628,116	450,667	17,549	1,246,505	718,380
Champaign	20,348	44	459	2,248	644,700	3,044,537	2,873,795	170,742	5,312,647	2,268,110
Chicago	3,376,438	10,201	405,399	1,393,553	626,466,054	2,100,935,460	2,014,019,354	86,916,106	3,915,062,969	1,814,117,499
Chicago Heights	22,321	63	4,492	33,751	6,994,910	24,667,100	23,146,465	1,510,635	44,025,879	19,308,770
Cicero	66,692	118	32,386	95,620	61,460,717	120,504,532	117,895,247	2,609,285	295,184,824	174,680,292
Danville	36,795	61	2,395	7,132	3,048,598	7,869,302	7,600,542	358,760	14,421,547	6,562,246
Decatur	57,510	95	7,586	37,522	6,698,688	27,861,102	26,547,367	1,313,735	51,633,868	23,772,766
East St. Louis	74,347	113	6,063	54,795	9,257,670	56,566,407	54,336,175	2,230,232	88,762,693	32,196,286
Elgin	35,929	82	6,996	11,800	8,575,160	13,012,076	12,662,532	349,543	32,052,593	19,040,428
Elmhurst	14,055	7	88	277	132,953	213,122	199,610	13,512	505,170	292,048
Evanston	63,338	71	1,108	5,119	1,930,769	3,030,921	3,709,812	221,109	11,434,315	7,553,394
Forest Park	14,555	42	486	1,929	768,493	2,114,608	2,053,936	60,672	4,340,321	2,225,713
Freeport	22,045	46	3,166	10,160	3,959,194	11,807,075	11,419,846	387,229	24,200,222	12,393,147
Galesburg	28,830	50	2,072	8,931	2,792,396	10,051,364	9,711,345	340,019	15,944,908	5,893,544
Granite City	25,130	33	8,157	37,651	13,891,736	25,864,429	23,886,909	1,977,520	58,004,863	32,140,424
Harvey	16,374	22	4,124	15,322	6,887,167	15,151,279	14,361,600	789,779	33,205,181	18,143,002
Highland Park	12,203	6	40	600	82,610	78,292	61,360	16,932	255,955	177,063
Jacksonville	17,747	38	895	2,700	897,787	4,234,437	4,124,113	110,324	6,597,896	2,363,459
Joliet	42,993	94	4,928	19,589	6,712,830	19,029,891	11,801,494	7,137,897	39,045,462	20,016,071
Kankakee	20,020	49	2,619	5,977	2,663,140	6,270,948	6,021,874	249,074	12,093,451	5,822,603
Kewanee	17,098	20	2,274	6,464	2,919,975	4,343,321	4,051,410	291,911	12,478,867	8,135,536
La Grange	10,103	14	191	1,511	325,104	703,437	652,754	50,683	1,443,918	740,481
La Salle	13,149	14	1,121	3,659	1,448,462	3,896,454	3,460,364	436,090	6,070,672	2,774,218
Lincoln	12,855	16	368	989	376,170	820,570	749,003	70,667	1,612,090	791,520
Mattoon	14,631	30	1,130	3,448	1,358,686	2,728,226	2,584,244	143,982	5,235,801	2,507,576
Maywood	25,829	25	1,374	5,545	1,917,247	12,364,833	12,197,203	167,680	20,100,409	7,735,528
Melrose Park	10,741	11	1,259	0,120	2,270,857	4,208,141	3,888,146	319,995	10,715,013	6,506,872
Moline	32,236	66	5,499	23,619	7,920,869	17,115,833	16,141,546	974,287	44,845,631	27,729,798
Oak Park	63,982	46	492	1,012	939,855	1,023,007	959,033	63,974	3,118,841	2,095,854
Ottawa	15,094	25	1,694	18,146	2,402,081	2,878,120	2,171,420	706,700	7,984,456	5,058,389
Park Ridge	10,417	6	16	101	26,589	60,593	56,916	3,677	128,236	67,643
Pekin	16,129	31	1,304	12,656	1,813,526	18,143,024	17,634,044	508,980	31,094,231	18,851,207
Peoria	104,960	185	6,738	36,401	8,372,091	36,727,152	35,141,594	1,585,558	67,266,317	30,539,165
Quincy	39,241	124	3,150	18,016	3,451,779	8,273,535	7,625,673	647,862	18,553,172	10,279,637
Rockford	85,894	245	17,529	64,748	24,556,555	87,221,899	84,860,883	2,361,016	96,656,100	59,434,201
Rock Island	37,953	63	5,916	26,274	7,565,526	18,850,112	18,281,514	574,598	39,362,709	20,606,597
Springfield	71,864	101	4,419	0,433	5,510,429	10,478,122	10,178,439	304,683	25,302,825	14,824,708
Sterling	10,012	35	1,405	5,437	1,750,101	4,475,951	4,170,105	305,846	9,733,298	5,257,317
Streator	14,728	35	1,317	4,768	1,601,937	2,324,761	1,569,088	755,673	6,171,776	3,847,015
Urbana	13,060	21	329	1,163	497,394	559,615	526,558	33,067	1,472,136	912,521
Waukegan	33,499	60	3,323	38,333	5,624,467	17,880,871	16,082,640	1,798,231	32,531,510	14,650,639
West Frankfort	14,683	13	47	361	68,049	185,295	169,282	15,983	436,819	251,554
Wilmette	15,233	7	78	272	175,308	165,572	165,003	20,569	634,494	448,922
Winnetka	12,166	4	16	20	41,095	70,211	67,381	2,830	167,334	97,123

^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COSTS OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
INDIANA										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Gary and Whiting, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Anderson.....	39,804	90	12,895	42,328	\$15,053,068	\$34,527,392	\$33,385,037	\$1,142,355	\$85,995,631	\$51,468,239
Bedford.....	13,208	22	2,218	19,250	3,540,312	3,639,823	3,298,800	341,023	12,633,201	3,993,378
Bloomington.....	18,227	26	2,190	11,073	2,570,825	5,125,495	4,877,070	248,425	10,867,771	6,732,270
Connersville.....	12,795	32	2,879	7,888	3,082,440	6,723,356	6,420,064	297,292	14,104,004	7,880,733
Crawfordsville.....	10,355	34	1,101	3,869	1,099,364	3,174,491	2,998,655	175,836	6,016,286	2,841,795
East Chicago.....	54,784	70	12,409	122,201	22,116,540	132,907,801	121,923,196	10,984,605	213,987,668	81,079,807
Elkhart.....	32,940	88	5,854	16,100	8,203,113	11,594,985	10,984,173	610,812	31,437,980	19,842,005
Elwood.....	10,685	20	1,933	10,599	2,453,373	6,663,970	6,177,043	486,927	12,106,231	5,442,261
Evansville.....	102,249	212	13,981	42,564	14,858,892	49,233,299	48,087,134	1,146,165	90,866,491	41,633,192
Fort Wayne.....	114,946	180	21,311	64,409	29,849,368	60,010,799	57,559,466	2,451,333	121,567,194	61,556,365
Frankfort.....	12,196	30	931	3,462	1,111,179	4,137,376	3,990,618	146,758	6,294,196	2,156,790
Goshen.....	10,397	48	1,800	6,624	1,908,076	4,870,149	4,691,890	178,259	9,077,017	4,200,868
Hammond.....	64,560	85	6,817	44,386	10,640,318	44,607,833	43,047,043	1,560,790	71,467,589	26,859,793
Huntington.....	13,420	40	1,840	4,829	2,078,748	4,622,844	4,466,016	156,228	10,331,075	5,708,231
Indianapolis.....	304,101	897	47,603	140,464	62,331,906	227,894,007	220,455,020	7,438,981	408,335,698	180,441,689
Jeffersonville.....	11,946	20	910	4,712	1,295,849	2,493,571	2,302,970	135,601	4,890,403	2,451,832
Kokomo.....	32,843	73	6,304	55,237	8,223,103	15,751,055	13,445,518	2,305,537	34,454,210	18,703,155
La Fayette.....	26,240	50	1,607	6,218	2,022,094	6,111,750	5,876,437	435,322	12,276,068	6,165,207
La Porte.....	15,755	53	3,033	7,432	4,017,866	7,360,619	6,994,929	365,690	18,820,671	11,460,052
Logansport.....	18,508	46	1,062	3,360	1,317,180	3,301,222	3,218,829	82,393	6,565,365	3,204,143
Marion.....	24,496	70	4,833	13,689	4,926,375	20,158,730	19,504,747	653,983	35,209,425	15,050,095
Michigan City.....	26,735	42	3,951	22,651	6,068,985	23,493,581	23,010,080	483,501	37,042,285	13,548,794
Mishawaka.....	28,630	30	5,895	16,820	7,477,658	10,823,453	9,986,099	537,354	27,040,080	17,110,627
Muncie.....	40,548	105	10,269	51,166	13,450,011	30,936,891	28,960,010	1,979,851	65,751,613	34,811,722
New Albany.....	25,810	62	2,705	10,617	2,666,168	6,958,371	6,684,483	273,888	12,902,630	5,944,169
New Castle.....	14,027	26	3,061	14,941	3,783,048	6,986,118	6,411,371	574,747	15,345,987	8,359,809
Peru.....	12,730	34	1,139	2,702	1,133,741	2,646,694	2,568,265	88,429	5,194,135	2,547,441
Richmond.....	32,493	78	5,431	14,695	6,933,995	14,862,418	13,838,182	520,236	30,419,070	16,057,652
Shelbyville.....	10,618	38	1,365	5,390	1,350,271	2,776,632	2,637,148	139,484	5,877,362	3,100,730
South Bend.....	104,193	193	25,726	59,483	36,116,226	82,420,915	79,873,331	2,547,584	163,378,462	80,957,547
Terre Haute.....	62,810	116	3,224	22,931	3,800,464	13,448,786	17,718,993	726,793	30,337,473	11,839,637
Vincennes.....	17,564	42	897	3,667	884,736	4,829,687	4,680,072	143,615	7,600,865	2,071,178

IOWA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Burlington, Newton, and Ottumwa, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Ames.....	10,261	13	90	521	\$101,523	\$212,911	\$100,878	\$16,033	\$555,755	\$342,844
Boone.....	11,886	24	231	1,398	338,358	1,039,782	967,699	72,083	1,878,548	838,766
Cedar Rapids.....	59,097	107	5,864	30,223	7,230,004	62,363,698	60,928,599	1,435,099	94,054,562	32,280,804
Clinton.....	25,726	68	3,170	16,151	3,960,339	16,524,718	15,692,397	831,321	20,430,866	9,006,148
Council Bluffs.....	42,048	65	2,950	6,194	2,968,002	5,410,402	5,001,503	408,899	11,365,938	5,056,146
Davenport.....	60,751	172	4,768	16,391	5,773,134	24,001,464	23,218,304	783,160	30,802,093	15,860,929
Des Moines.....	142,559	330	8,813	34,958	11,473,650	51,898,723	50,092,904	1,805,819	98,905,770	47,007,056
Dubuque.....	41,679	97	5,271	16,203	5,849,184	17,607,621	17,102,357	505,264	32,206,146	14,598,625
Fort Dodge.....	21,895	31	685	2,487	943,554	2,706,925	2,554,823	152,102	2,626,944	1,020,944
Fort Madison.....	13,779	27	1,197	8,283	1,200,921	6,679,337	6,470,033	200,304	13,092,228	7,312,891
Iowa City.....	15,340	29	205	1,449	402,651	1,127,411	1,030,945	96,466	2,664,223	1,536,812
Keokuk.....	15,106	54	1,440	11,019	1,602,480	8,986,706	8,637,378	949,328	15,677,250	6,690,544
Marshalltown.....	17,373	53	1,651	4,602	2,006,277	5,624,279	5,441,383	182,896	12,494,105	6,800,826
Mason City.....	23,304	44	2,214	30,768	2,983,445	21,011,536	20,013,180	1,598,356	30,138,274	8,571,738
Muscatine.....	16,778	78	2,851	6,378	2,557,801	6,867,934	6,604,472	173,512	13,845,021	6,077,637
Oskaloosa.....	10,123	28	430	1,079	479,513	1,241,974	1,172,127	69,847	2,368,545	1,115,571
Sioux City.....	79,133	154	6,159	24,829	8,481,105	110,847,092	109,545,861	1,301,231	133,479,710	22,632,618
Waterloo.....	46,101	92	6,684	16,785	9,130,123	48,819,950	47,744,194	1,075,846	85,490,809	36,070,859

KANSAS

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Emporia and Fort Scott, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Arkansas City.....	13,946	27	616	5,418	\$652,091	\$13,235,908	\$13,110,860	\$125,048	\$19,078,122	\$5,842,214
Atchison.....	13,024	34	886	6,275	1,056,716	11,626,126	11,369,849	256,277	15,216,423	3,590,297
Chanute.....	10,277	14	114	581	137,535	187,463	163,931	23,532	855,229	607,760
Coffeyville.....	16,198	34	1,324	6,970	1,553,351	10,241,194	9,985,722	255,472	20,031,474	9,790,250
Dodge City.....	10,059	17	105	898	135,024	1,280,142	1,234,203	25,939	1,904,639	644,497
El Dorado.....	10,311	16	88	494	107,282	231,784	216,571	599,870	338,086	338,086
Hutchinson.....	27,035	51	1,006	7,801	1,131,318	10,919,781	10,577,444	342,337	15,818,888	4,890,107
Independence.....	12,782	28	347	1,311	401,621	625,684	520,512	105,172	1,524,009	899,225
Kansas City.....	121,857	160	13,187	67,630	18,233,293	255,750,881	253,497,641	2,252,740	311,236,022	55,485,641
Lawrence.....	13,726	33	400	2,350	511,500	3,529,849	3,410,975	118,874	5,846,940	1,817,097
Leavenworth.....	17,466	42	984	4,397	1,083,174	4,172,823	4,045,137	127,686	6,492,124	2,319,301
Manhattan.....	10,136	20	125	833	144,374	635,294	618,054	17,240	1,032,973	307,679
Newton.....	11,034	15	523	2,891	785,003	4,486,274	4,373,997	112,277	2,375,590	6,861,864
Parsons.....	14,903	25	1,011	6,681	1,519,721	3,940,761	3,831,939	108,822	6,233,964	2,293,203
Pittsburg.....	18,145	35	1,124	4,231	1,618,331	2,189,272	2,025,728	163,544	5,135,042	2,045,770
Salina.....	20,155	51	735	5,676	926,971	14,631,130	14,298,629	232,501	18,365,371	4,334,241
Topeka.....	64,120	119	3,847	12,982	5,521,807	24,692,569	24,058,371	634,198	39,457,938	14,805,369
Wichita.....	111,110	219	4,487	17,814	5,800,026	43,695,823	42,438,840	656,977	62,213,241	19,117,418

^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year)*	Horse- power †	Wages	COST OF MATERIALS, CONTAINERS FOR PRO- DUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
KENTUCKY										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Ashland, Fort Thomas, and Lexington, each of which city reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Bowling Green.....	12,348	18	389	2,288	\$394,093	\$733,075	\$674,285	\$59,690	\$1,733,305	\$900,330
Covington.....	65,252	111	3,451	7,836	4,728,141	7,926,747	7,610,966	315,781	19,393,007	11,466,260
Frankfort.....	11,626	24	1,397	1,539	811,781	2,416,033	2,363,753	61,280	4,228,574	1,813,541
Henderson.....	11,668	18	956	4,978	736,479	2,360,247	2,278,522	81,725	4,118,916	1,768,669
Hopkinsville.....	10,746	22	489	2,319	322,890	2,630,644	2,576,093	54,551	3,657,160	1,026,522
Louisville.....	307,745	693	35,835	119,935	41,072,459	140,534,238	137,285,686	3,248,552	270,025,614	130,391,376
Middlesborough.....	10,350	15	760	1,195	450,464	2,802,443	2,757,864	44,579	3,767,102	964,659
Newport.....	29,744	46	2,402	11,088	3,489,221	11,750,955	11,254,140	496,836	19,895,958	8,144,973
Owensboro.....	22,765	51	1,771	6,706	1,440,094	5,870,457	5,712,791	157,666	10,899,976	5,029,519
Paducah.....	33,541	63	3,923	8,288	3,887,438	8,136,986	7,856,787	280,199	16,071,760	7,934,774
LOUISIANA										
Alexandria.....	23,025	42	745	3,862	\$761,370	\$2,438,801	\$2,320,513	\$109,288	\$4,008,710	\$2,220,909
Baton Rouge.....	30,729	36	1,051	4,391	853,303	1,896,897	1,765,653	141,244	4,663,133	2,660,236
Bogalusa.....	14,029	21	2,908	30,287	3,505,419	7,318,293	6,734,366	583,927	10,967,070	9,648,802
Lafayette.....	14,636	23	306	1,285	359,583	633,468	599,081	34,412	1,354,729	761,236
Lake Charles.....	15,791	25	321	3,117	332,649	2,963,765	2,883,827	79,938	4,666,767	1,703,002
Monroe.....	26,028	33	1,511	5,246	1,937,131	4,070,844	3,950,512	120,332	7,787,709	3,710,925
New Orleans.....	458,762	786	22,592	73,050	21,120,099	82,739,172	80,495,757	2,240,415	148,888,315	65,652,143
Shreveport.....	76,655	97	2,632	13,139	2,959,889	13,083,553	12,766,863	316,690	22,020,242	8,930,689
MAINE										
Auburn.....	18,571	55	4,932	7,161	\$4,474,516	\$10,027,828	\$9,878,955	\$148,873	\$20,253,640	\$10,225,812
Augusta.....	17,198	29	1,831	19,696	1,940,397	6,872,659	6,123,341	749,318	11,243,678	4,371,019
Bangor.....	28,749	65	785	2,525	919,608	2,424,407	2,312,289	112,118	4,046,109	2,521,702
Biddeford.....	17,633	30	4,395	33,284	4,434,284	6,807,226	6,552,666	254,560	14,244,177	7,436,951
Lewiston.....	34,948	76	5,992	28,280	5,753,745	9,834,245	9,416,405	417,840	21,069,612	11,235,367
Portland.....	70,810	213	4,518	14,965	5,191,186	14,106,617	13,309,408	797,209	28,291,351	14,184,734
South Portland.....	13,840	8	349	2,030	388,847	711,182	654,061	57,121	1,445,558	734,376
Waterville.....	15,454	27	2,263	16,950	2,394,237	4,610,624	4,162,006	348,618	8,828,731	5,318,107
Westbrook.....	10,807	15	2,325	26,526	2,778,580	9,244,467	8,639,078	605,389	17,804,227	8,569,700
MARYLAND										
Annapolis.....	12,581	8	31	34	\$42,771	\$56,277	\$54,096	\$2,181	\$184,993	\$128,716
Baltimore.....	804,874	2,140	85,655	293,791	96,384,335	521,939,056	503,008,745	18,930,311	814,782,197	202,843,141
Cumberland.....	37,747	49	5,664	24,770	7,506,866	20,969,829	20,377,925	591,904	37,940,536	16,079,707
Frederick.....	14,434	44	1,488	5,508	1,271,554	5,744,366	5,575,087	169,279	8,897,992	3,153,626
Hagerstown.....	30,861	78	4,946	13,131	4,927,976	11,952,713	11,642,678	310,035	23,003,598	11,050,885
Salisbury.....	10,997	39	995	2,591	825,557	1,672,096	1,562,843	109,253	3,869,608	2,197,512
MASSACHUSETTS										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Southbridge, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Adams.....	12,697	20	2,922	13,937	\$2,930,069	\$4,499,979	\$3,957,502	\$542,477	\$9,787,988	\$5,268,000
Amesbury.....	11,809	35	3,658	6,458	5,130,145	10,171,923	9,850,745	321,183	18,852,548	8,680,620
Arlington.....	36,094	25	273	997	456,500	925,557	704,911	220,646	2,240,152	1,323,595
Attol.....	10,677	36	2,493	4,633	2,632,858	4,570,293	4,383,268	186,995	12,066,637	8,306,374
Attleboro.....	21,769	137	5,252	10,325	6,919,747	14,784,776	14,410,430	368,346	30,002,824	16,218,078
Belmont.....	21,748	8	62	78	90,657	83,013	79,884	3,129	282,878	199,865
Beverly.....	25,086	40	3,939	8,939	5,740,972	3,271,723	3,087,547	184,176	13,097,891	9,826,168
Boston.....	781,188	2,734	75,907	155,843	109,794,127	284,098,686	277,536,628	6,562,058	603,711,473	319,012,787
Braintree.....	15,712	20	1,388	2,768	1,687,127	3,391,952	3,223,400	168,512	6,934,770	3,542,818
Brockton.....	63,797	244	12,646	15,813	15,457,700	37,149,156	36,365,559	783,597	68,434,380	31,285,224
Brookline.....	47,490	20	435	221	438,573	852,043	834,504	17,539	1,997,019	1,144,976
Cambridge.....	113,643	301	21,328	56,397	27,438,962	80,714,088	83,927,634	2,786,454	183,609,785	96,805,697
Chelsea.....	45,816	125	5,288	18,652	6,883,400	11,887,364	11,344,503	542,861	27,451,399	15,564,275
Chicopee.....	43,930	52	9,342	55,814	12,606,589	40,327,779	38,986,964	1,390,815	70,918,987	30,591,208
Clinton.....	12,817	22	2,760	6,142	3,117,417	7,291,738	6,953,358	248,380	13,988,188	6,786,450
Danvers.....	12,957	16	1,023	3,205	1,147,378	2,547,468	2,471,129	76,339	8,293,076	2,735,608
Dedham.....	15,136	13	336	2,468	364,497	560,399	498,754	61,645	1,369,156	808,757
Easthampton.....	11,323	16	3,494	22,803	3,417,286	12,773,413	12,332,068	441,365	20,377,395	7,603,982
Everett.....	48,424	115	6,375	37,012	9,991,027	45,661,435	37,473,806	8,187,629	78,080,798	32,419,543
Fairhaven.....	10,951	10	438	1,014	1,060,799	1,018,051	42,718	2,076,568	1,014,769	
Fall River.....	115,274	232	26,143	143,058	23,254,550	60,741,855	57,646,531	3,095,324	109,793,738	43,051,883
Fitchburg.....	40,692	109	6,579	38,554	8,073,729	23,903,276	22,011,068	1,892,208	43,305,299	19,492,023
Framingham.....	22,210	50	3,694	24,006	5,293,942	12,506,647	11,846,936	659,717	22,956,876	10,450,320
Gardner.....	19,399	70	4,295	8,658	5,168,514	7,866,510	7,605,256	261,254	19,348,877	11,482,367
Gloucester.....	24,204	81	2,264	6,286	2,908,882	7,667,101	7,405,081	262,020	14,344,865	6,677,764
Greenfield.....	15,500	41	1,730	5,221	2,273,789	2,346,221	2,125,820	220,401	8,890,205	6,543,984
Haverhill.....	48,710	289	8,284	13,871	10,376,390	24,786,707	23,919,682	867,025	45,411,654	20,624,947
Holyoke.....	56,637	155	13,770	73,020	16,890,414	37,422,212	35,612,911	1,809,301	76,267,821	38,540,600
Lawrence.....	85,068	109	23,105	150,436	26,937,739	72,043,484	69,065,974	2,977,510	126,376,727	54,332,243
Leominster.....	21,810	75	5,193	10,052	6,396,345	9,396,638	8,983,245	413,393	22,674,851	13,178,213

* Not including salaried employees.

† Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
MASSACHUSETTS—Continued										
Lowell	100,234	217	17,097	63,139	\$17,100,865	\$35,100,778	\$33,542,487	\$1,558,291	\$80,592,907	\$34,402,120
Lynn	102,320	357	20,520	52,388	28,571,538	47,999,853	46,549,635	1,450,218	119,829,281	71,820,408
Malden	68,036	101	3,986	11,475	4,152,004	12,259,757	11,360,847	898,910	26,002,031	13,743,174
Marlborough	15,587	31	3,017	2,315	3,276,592	6,615,823	6,520,782	95,071	12,072,969	5,457,146
Medford	59,714	58	1,840	3,190	1,727,601	6,744,979	5,565,447	179,132	9,973,506	4,228,927
Melrose	28,170	25	315	1,998	343,320	1,080,124	1,045,517	34,607	2,532,272	1,452,148
Methuen	21,069	27	1,542	10,213	1,480,122	5,697,029	5,462,678	134,456	8,321,280	2,724,251
Millford	14,741	27	1,552	3,811	1,775,817	3,826,747	3,569,474	187,273	0,498,818	2,762,071
Milton	16,434	7	31	102	37,275	60,095	55,531	3,564	214,995	164,900
Natick	13,589	33	774	1,732	878,777	2,577,327	2,490,094	87,233	4,826,584	2,249,257
Needham	10,845	26	325	454	319,329	1,022,321	985,082	37,239	2,142,934	1,120,613
New Bedford	112,507	192	32,113	156,294	31,804,553	62,127,390	58,670,462	3,456,928	121,696,324	69,588,934
Newburyport	15,084	57	3,186	4,776	3,868,051	6,475,794	6,272,878	202,916	13,337,437	0,861,643
Newton	65,276	66	3,213	9,384	3,865,832	6,627,949	6,369,072	257,977	17,062,681	10,434,732
North Adams	21,621	42	4,139	16,595	4,904,346	14,167,942	13,469,075	708,867	24,009,330	9,841,388
Northampton	24,381	49	2,812	8,401	3,513,386	5,414,699	5,125,348	289,351	13,360,209	7,945,510
North Attleborough	10,197	64	2,608	1,997	3,248,830	3,927,794	3,823,102	104,692	11,024,392	7,096,598
Norwood	15,049	25	2,054	8,610	4,069,547	11,052,783	10,848,322	204,441	23,524,420	12,471,657
Peabody	21,345	85	6,342	28,629	8,110,970	24,424,090	23,498,086	925,404	40,809,695	16,385,605
Pittsfield	49,677	56	0,847	19,646	13,943,552	24,942,460	23,720,301	1,222,159	60,833,530	35,891,070
Plymouth	13,042	19	2,228	8,961	2,607,094	10,674,654	10,506,721	167,933	18,316,612	7,641,958
Quincy	71,983	158	4,834	24,709	7,925,434	9,265,771	8,772,380	493,391	26,279,813	17,014,042
Revere	35,680	20	198	880	241,996	331,001	268,230	62,771	959,189	628,188
Salem	43,353	125	4,864	17,884	5,561,274	14,089,438	13,317,122	772,316	28,844,350	14,764,912
Saugus	14,700	11	105	644	150,602	266,631	247,459	19,172	603,830	337,199
Somerville	103,908	127	6,043	14,601	8,513,306	67,681,462	66,941,418	740,044	97,429,608	29,748,146
Springfield	149,900	318	17,414	46,971	23,740,589	47,804,651	45,412,424	2,392,227	113,031,026	66,126,375
Stonham	10,060	18	919	728	1,073,444	1,740,092	1,711,094	29,808	3,802,211	2,061,309
Swampscott	10,346	8	61	42	53,107	123,299	117,882	5,417	257,213	133,914
Taunton	37,355	100	5,873	21,723	6,546,167	16,693,488	15,816,767	876,721	32,394,736	15,701,248
Wakefield	16,318	25	1,461	2,448	1,674,771	3,584,537	3,509,195	75,342	7,218,640	3,634,103
Waltham	39,247	78	4,944	13,337	5,971,835	5,984,803	5,618,373	366,430	18,501,185	12,816,382
Watertown	34,913	40	7,155	32,009	9,363,999	15,398,443	14,663,736	744,707	33,771,465	18,373,022
Webster	12,092	17	2,481	9,913	2,507,814	5,097,371	4,772,229	325,142	10,308,803	5,211,432
Wellesley	11,439	14	159	879	257,258	714,008	683,325	31,283	3,270,079	2,555,471
Westfield	19,775	64	2,729	6,785	3,282,299	5,463,358	5,074,753	383,605	13,434,606	7,971,245
West Springfield	16,084	25	2,970	6,334	4,696,778	8,295,242	7,986,338	308,909	17,994,100	9,088,858
Weymouth	20,882	18	1,108	926	1,336,803	3,145,160	3,104,337	40,823	6,950,164	3,805,004
Winchester	12,719	19	795	2,124	1,039,812	3,110,500	3,014,155	96,345	5,351,130	2,240,630
Winthrop	16,852	10	48	83	62,637	168,453	161,204	7,249	405,092	239,549
Woburn	19,434	43	1,978	6,615	2,701,103	7,258,352	6,848,778	409,574	13,731,155	6,472,803
Worcester	195,311	533	31,636	131,661	45,259,677	93,224,937	92,780,032	5,444,905	211,314,411	113,089,474
MICHIGAN										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Alpena, Dearborn, Ecorse, Flint, Grosse Pointe Park, High-land Park, Iron Mountain, Lincoln Park, and Traverse City, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Adrian	13,064	42	1,500	5,306	\$1,928,932	\$6,220,630	\$6,022,294	\$198,336	\$11,081,364	\$4,860,734
Ann Arbor	26,944	46	1,720	5,469	2,516,599	3,993,394	3,044,298	349,096	16,623,198	6,629,804
Battle Creek	43,573	101	7,062	36,778	10,439,597	35,681,439	33,789,765	1,891,674	87,239,249	51,557,810
Bay City	47,355	104	6,937	31,403	8,020,680	17,030,633	16,808,249	667,359	35,081,704	18,051,066
Benton Harbor	15,434	61	2,440	8,404	3,540,074	4,200,772	3,684,428	516,344	11,210,094	7,009,322
Detroit	1,568,662	2,418	221,888	714,356	380,692,131	1,071,472,193	1,036,717,045	34,755,148	2,014,165,786	942,093,593
Escanaba	14,524	27	838	2,628	1,219,309	2,759,683	2,675,332	84,336	4,670,905	1,911,237
Ferndale	20,865	10	225	2,996	278,795	627,897	597,169	30,698	1,242,778	614,911
Grand Rapids	168,592	516	28,084	76,303	40,476,018	68,634,253	65,714,740	2,919,513	156,553,816	87,919,563
Hamtramck	56,268	61	18,221	62,660	28,102,003	108,933,119	100,768,455	2,164,664	165,419,005	56,485,886
Holland	14,346	62	2,480	7,243	3,207,414	6,997,902	6,705,792	292,110	17,796,031	10,798,120
Ironwood	14,299	17	830	1,064	386,010	533,668	525,349	58,319	1,319,210	735,542
Jackson	65,187	111	9,401	35,153	13,021,514	29,355,461	27,636,023	1,719,438	59,514,377	30,158,910
Kalamazoo	54,786	175	8,977	39,655	12,486,711	38,812,792	36,646,042	1,666,750	84,822,939	46,510,147
Lansing	78,397	130	18,877	71,789	28,494,364	145,163,151	142,753,834	2,409,317	219,381,871	74,218,720
Marquette	14,789	21	995	5,254	1,410,454	2,553,772	2,003,088	550,684	5,430,571	2,876,799
Monomine	10,320	34	1,715	12,536	1,881,157	5,915,444	5,518,090	397,354	10,036,240	4,720,892
Monroe	18,110	32	3,306	29,525	5,072,099	13,270,702	11,971,246	1,299,456	25,864,544	12,593,842
Mount Clemens	13,497	23	1,018	2,235	1,350,912	2,625,044	2,273,266	251,778	6,708,665	4,183,621
Muskegon	41,390	88	11,481	40,056	15,558,456	28,346,427	27,007,532	1,338,895	60,097,762	37,751,275
Muskegon Heights	15,584	24	3,699	12,140	5,279,922	8,733,819	8,062,209	671,610	19,189,639	10,455,820
Niles	11,326	22	1,087	6,871	1,263,181	3,553,318	3,406,821	146,497	7,989,407	4,436,089
Owosso	14,490	41	1,991	8,513	2,673,988	5,352,328	4,906,623	445,705	11,596,093	6,242,765
Pontiac	64,928	64	21,798	92,460	35,944,723	170,370,918	167,674,762	2,696,156	248,221,533	77,850,615
Port Huron	31,301	49	1,747	16,696	2,478,955	8,889,345	7,971,899	917,446	16,222,669	7,333,324
River Rouge	17,314	10	1,797	22,499	3,657,399	10,693,499	9,020,274	1,673,225	18,289,537	7,593,338
Royal Oak	22,904	12	125	549	327,936	136,333	119,690	16,643	657,003	820,670
Saginaw	80,715	135	14,473	45,584	21,124,587	28,113,003	25,772,693	2,340,310	67,283,537	39,170,534
Sault Ste. Marie	13,755	23	1,378	7,879	1,619,882	7,367,024	5,188,517	1,178,507	11,292,403	3,925,379
Wyandotte	28,898	34	4,041	56,977	6,360,100	14,662,872	10,640,002	4,022,870	34,880,512	20,217,640
Ypsilanti	10,143	22	808	1,906	1,162,087	1,507,704	1,350,327	148,377	3,706,553	2,198,849

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) *	Horse- power †	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
MINNESOTA										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Albert Lea, Austin, Brainerd, South St. Paul, and Virginia, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Duluth.....	101,463	193	6,693	70,804	\$9,135,760	\$34,395,606	\$26,998,738	\$7,398,868	\$58,903,568	\$24,507,962
Faribault.....	12,767	32	778	3,004	634,680	3,468,308	3,324,032	134,336	5,640,338	2,190,970
Hibbing.....	15,666	10	94	513	115,643	239,113	190,027	43,086	640,237	401,124
Mankato.....	14,038	39	563	3,852	643,313	6,921,933	6,720,155	201,778	9,642,227	2,720,294
Minneapolis.....	464,356	1,219	35,704	177,115	45,749,054	213,047,658	207,507,286	5,540,372	361,072,199	148,024,541
Rochester.....	20,621	20	307	1,425	374,272	1,787,109	1,646,484	140,625	3,073,148	1,286,039
St. Cloud.....	21,000	59	1,684	9,977	2,876,720	4,904,874	4,597,244	307,630	9,959,660	5,054,786
St. Paul.....	271,606	637	23,489	104,942	31,050,277	104,411,280	98,734,140	5,677,150	206,220,380	101,818,000
Winona.....	20,850	57	1,070	9,476	2,234,239	15,050,228	14,674,688	375,540	21,762,851	6,712,623

MISSISSIPPI

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Gulfport and Natchez, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Biloxi.....	14,850	36	822	1,398	\$500,665	\$1,488,639	\$1,350,794	\$128,845	\$2,942,074	\$1,453,435
Clarksdale.....	10,043	17	286	2,370	273,534	2,510,747	2,453,692	69,055	3,522,012	1,002,265
Columbus.....	10,743	19	388	2,034	360,966	1,125,623	1,077,026	47,697	2,019,434	893,811
Greenwood.....	14,807	26	1,023	5,719	859,533	3,298,871	3,156,659	142,212	5,687,952	2,389,081
Greenwood.....	11,123	18	267	1,378	227,929	1,820,606	1,794,368	36,238	2,888,994	1,059,388
Hattiesburg.....	18,601	37	1,387	5,754	1,339,596	3,664,796	3,508,775	156,021	7,774,587	4,109,701
Jackson.....	48,282	91	2,074	12,687	2,116,594	12,045,182	12,303,874	341,308	19,183,582	6,538,400
Laurel.....	18,117	37	3,635	20,062	3,296,824	6,266,772	5,864,548	402,224	15,921,909	9,655,137
McComb.....	10,057	14	1,492	4,436	1,646,066	2,091,488	1,963,024	128,414	4,562,926	2,471,488
Meridian.....	31,954	44	1,213	5,179	964,476	5,643,420	5,405,541	147,879	8,887,922	3,244,502
Vicksburg.....	22,943	34	1,146	5,047	1,397,941	1,982,243	1,850,819	126,924	5,217,370	3,235,127

MISSOURI

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Columbia, Maplewood, Moberly, St. Charles, St. Joseph, Sedalia, University City, and Webster Groves, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Cape Girardeau.....	16,227	27	2,004	13,844	\$2,109,324	\$8,673,020	\$8,340,524	\$332,496	\$14,877,140	\$3,204,120
Hannibal.....	22,761	37	3,807	6,910	3,877,602	11,065,513	10,760,708	294,805	21,033,978	9,978,465
Independence.....	15,296	22	795	3,574	1,082,790	5,576,746	5,461,658	115,088	9,870,694	4,268,948
Jefferson City.....	21,596	28	1,527	2,227	1,367,823	4,113,684	4,003,090	108,594	9,283,149	5,160,405
Joplin.....	33,454	77	1,682	6,497	1,686,082	11,282,104	10,930,584	351,520	17,235,504	5,953,400
Kansas City.....	399,746	903	20,902	100,558	38,400,937	190,009,760	192,070,483	3,939,283	341,371,583	145,361,817
St. Louis.....	821,960	2,708	109,010	293,011	134,880,814	539,580,049	671,051,003	12,529,046	1,022,713,490	439,132,841
Springfield.....	67,527	90	3,470	15,010	4,195,476	10,471,582	15,983,973	487,609	26,173,258	9,701,676

MONTANA

Anaconda.....	12,494	13	124	1,610	\$250,798	\$251,335	\$206,379	\$44,956	\$686,866	\$435,531
Billings.....	10,380	40	595	3,032	1,002,249	2,943,917	2,867,405	76,512	5,030,447	2,086,530
Butte.....	39,532	50	607	2,241	2,241	1,021,044	2,261,184	2,122,182	4,930,600	2,669,416
Great Falls.....	28,822	40	1,014	5,247	1,028,362	5,885,315	5,715,159	143,146	9,864,729	4,006,414
Helena.....	11,803	24	246	621	414,960	577,997	530,426	47,571	1,405,721	827,724
Missoula.....	14,657	21	573	3,595	827,205	1,825,411	1,737,756	87,655	3,231,148	1,405,737

NEBRASKA

Beatrice.....	10,297	24	498	1,950	\$577,986	\$4,042,577	\$3,958,521	\$84,056	\$5,970,092	\$1,933,515
Fromont.....	11,407	33	385	1,511	438,296	3,084,806	3,000,290	78,516	5,173,022	1,488,216
Grand Island.....	18,041	37	522	2,891	637,884	3,645,903	3,483,224	162,739	5,645,029	1,990,066
Hastings.....	15,490	38	554	2,483	656,386	3,809,547	3,695,115	114,432	6,048,241	2,238,694
Lincoln.....	75,933	150	1,889	9,002	2,301,195	13,173,809	12,778,043	395,763	22,812,810	9,639,010
Norfolk.....	10,717	20	170	951	216,359	1,604,924	1,616,783	48,141	2,660,491	1,001,567
North Platte.....	12,061	15	379	1,177	576,551	881,534	807,096	74,438	1,769,914	878,380
Omaha.....	214,006	431	16,108	82,003	21,356,639	278,920,235	275,792,637	3,127,598	352,835,338	73,915,103

NEVADA

Reno.....	18,529	40	206	1,963	\$436,020	\$1,082,626	\$1,914,224	\$68,402	\$3,424,402	\$1,441,776
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NEW HAMPSHIRE

Berlin.....	20,018	10	3,726	100,645	\$5,408,333	\$21,146,399	\$18,795,136	\$2,351,263	\$35,813,351	\$14,666,952
Claremont.....	12,377	17	2,213	17,994	2,751,469	5,308,885	4,914,810	394,075	11,338,378	6,529,493
Concord.....	25,228	54	2,523	9,148	3,366,240	5,657,771	5,457,003	200,768	12,092,391	6,434,620
Dover.....	13,573	36	2,586	10,720	2,777,453	8,144,917	7,835,553	309,364	14,048,004	5,903,087
Keene.....	13,794	57	2,534	6,156	2,801,558	5,863,032	5,649,358	203,674	11,991,501	6,138,400
Laconia.....	12,471	23	1,471	2,416	1,572,495	1,451,234	1,350,634	100,630	6,956,406	5,505,202
Manchester.....	70,834	187	10,198	92,123	18,316,234	51,534,003	50,249,842	1,284,161	86,264,956	34,730,953
Nashua.....	31,463	86	6,877	23,143	8,237,107	26,013,298	25,186,167	827,131	44,195,474	18,182,176
Portsmouth.....	14,495	26	944	5,855	1,080,686	2,066,961	1,809,393	257,563	4,094,964	2,028,003
Rochester.....	10,209	17	1,095	2,968	1,039,004	2,332,039	2,771,099	60,940	4,931,488	2,099,449

* Not including salaried employees.

† Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
NEW JERSEY										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Carteret, Cliffside Park, Lodi, Ridgefield Park, Ridgewood, and South River, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Asbury Park	14,981	32	442	1,028	\$529,358	\$882,478	\$829,770	\$52,708	\$2,283,665	\$1,371,187
Atlantic City	66,198	113	1,285	6,191	1,061,124	3,122,127	2,577,917	544,210	8,909,337	5,784,210
Bayonne	88,079	125	11,109	49,785	18,160,645	152,750,840	151,550,169	1,200,671	232,712,928	79,042,088
Bellefonte	20,974	61	2,641	11,817	3,850,405	16,159,501	15,680,746	478,755	27,536,804	11,377,903
Bloomfield	38,077	85	9,660	21,437	12,211,735	78,512,646	77,781,572	731,074	131,834,563	53,321,917
Bridgeton	15,009	48	2,055	9,108	2,726,920	7,216,569	6,560,829	655,740	13,671,288	6,454,710
Burlington	10,844	28	1,748	6,883	2,234,881	4,311,826	3,998,403	313,423	8,152,844	3,841,018
Camden	118,700	230	28,879	83,891	35,517,410	111,802,656	108,041,972	3,760,684	230,978,935	119,176,270
Clifton	40,875	77	6,438	16,547	8,885,424	27,103,376	26,378,459	724,917	46,815,745	19,172,369
Collingswood	12,723	7	199	280	25,827	43,188	30,307	12,881	149,984	106,796
Dover	10,031	20	1,826	6,874	2,344,219	3,301,783	3,119,670	182,113	7,672,161	4,370,378
East Orange	68,020	58	2,090	7,201	3,509,094	4,307,545	4,075,868	231,682	12,852,516	8,544,971
Elizabeth	114,589	201	15,714	68,928	22,923,230	66,125,740	63,021,909	2,503,837	122,751,957	56,026,211
Englewood	17,805	27	295	962	382,569	694,682	532,776	61,906	1,462,179	867,497
Garfield	20,730	56	4,233	20,275	4,938,735	12,746,177	12,203,593	542,584	24,408,588	11,662,411
Gloucester	13,796	22	1,364	14,906	1,890,376	5,844,841	5,358,013	486,828	11,132,588	5,287,747
Hackensack	24,508	40	965	1,710	1,298,535	1,916,393	1,534,256	382,137	4,687,808	2,771,415
Harrison	15,601	46	7,762	43,339	11,726,082	23,870,107	19,750,111	4,113,996	61,206,540	37,396,433
Hawthorne	11,808	18	1,011	2,202	1,465,992	1,600,379	1,446,133	154,246	5,144,810	3,544,431
Hoboken	59,201	198	10,359	25,174	14,937,800	32,358,189	31,589,313	768,876	75,482,635	43,124,440
Irvington	56,733	126	4,566	13,511	6,830,255	22,181,189	21,598,618	582,571	39,747,501	17,566,312
Jersey City	316,715	617	25,822	84,235	37,934,440	164,042,700	160,654,992	3,387,708	311,986,850	147,944,150
Keansy	40,716	40	19,202	66,798	20,698,330	96,983,442	90,830,848	6,052,594	187,733,713	90,750,271
Linden	21,206	27	3,208	43,848	6,310,745	62,581,458	61,759,156	792,302	87,708,455	25,156,997
Long Branch	18,399	28	822	3,337	928,484	2,483,363	2,291,670	191,693	6,443,499	2,960,136
Millville	14,705	41	2,858	11,648	2,759,911	2,845,173	2,212,410	632,763	7,904,367	5,059,194
Montclair	42,017	32	281	1,112	450,773	869,319	826,554	42,765	2,043,963	1,174,644
Morristown	15,197	24	277	725	405,833	794,177	753,585	40,592	1,845,675	1,051,498
Newark	442,337	1,731	66,647	152,785	94,544,473	244,423,115	237,722,455	6,700,660	502,907,889	258,084,474
Nutley	20,672	16	605	1,859	910,724	2,022,623	2,859,243	63,380	6,505,206	3,582,583
New Brunswick	34,555	106	7,817	14,377	9,795,617	26,017,311	25,300,667	716,644	53,713,401	27,696,090
Orange	35,300	72	1,523	2,832	1,926,373	3,546,530	3,414,787	131,743	7,947,066	4,544,996
Passaic	62,059	178	18,853	51,356	17,947,483	44,167,281	42,707,072	1,460,209	89,936,176	45,768,895
Paterson	138,513	915	32,686	67,783	44,030,942	98,000,812	93,393,746	4,607,066	197,650,980	99,650,168
Perth Amboy	43,516	97	9,156	71,229	12,482,096	226,830,913	224,212,926	2,620,987	273,832,301	46,092,388
Phillipsburg	19,255	33	4,471	23,294	6,859,122	13,433,636	12,537,110	896,526	31,401,230	17,967,063
Plainfield	34,422	71	2,586	9,303	4,229,483	5,972,011	5,763,996	208,915	14,623,468	8,650,557
Pleasantville	11,580	12	293	740	356,461	1,304,308	1,275,904	28,404	2,149,173	844,865
Rahway	16,011	28	1,412	3,865	1,879,869	7,179,204	7,024,438	154,766	14,406,779	7,227,575
Red Bank	11,622	27	990	931	1,094,812	2,587,245	2,538,675	48,570	5,151,069	2,563,824
Roselle	13,021	14	941	2,974	1,384,905	3,382,929	3,299,496	83,433	6,492,028	3,109,099
Rutherford	14,915	16	368	813	613,842	814,394	777,283	37,111	2,414,575	1,600,181
South Orange	13,030	8	47	304	67,430	93,100	78,115	14,985	603,607	510,507
Summit	14,556	16	290	600	393,729	848,681	816,005	32,676	1,567,689	1,107,008
Trenton	123,356	261	18,953	111,628	24,026,124	45,175,899	41,327,386	3,848,513	107,842,837	62,666,938
Union City	58,659	250	3,933	5,909	5,091,118	7,751,520	7,356,389	365,131	19,535,913	11,784,393
Westfield	15,801	14	116	357	204,832	908,451	969,854	28,597	2,408,179	1,469,728
West New York	37,107	182	3,271	3,753	4,150,851	8,856,798	8,117,595	239,203	18,648,703	10,291,905
West Orange	24,327	24	1,611	4,845	2,078,781	5,550,513	5,347,953	208,560	10,298,324	4,741,811

NEW MEXICO

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Roswell, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Albuquerque	26,570	41	1,092	4,074	\$1,841,060	\$2,589,451	\$2,442,584	\$146,867	\$5,715,761	\$3,126,310
Santa Fe	11,176	10	41	145	64,401	102,057	94,796	7,861	278,192	175,535

NEW YORK

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Endicott, Glen Cove, Johnson City, and Lackawanna, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Albany	127,412	227	8,097	21,092	\$11,492,943	\$23,316,145	\$22,441,412	\$874,736	\$52,600,173	\$29,284,630
Amsterdam	34,817	62	10,001	16,403	11,545,907	28,196,223	27,427,638	768,585	51,655,535	23,459,612
Auburn	36,652	92	6,568	23,201	7,941,366	17,532,571	16,754,967	777,604	37,245,055	19,712,484
Batavia	17,375	47	2,858	8,379	3,072,756	6,104,160	5,822,732	281,418	13,050,715	6,946,656
Beacon	11,933	33	1,245	4,213	1,601,433	2,549,528	2,407,672	141,856	5,600,605	3,051,077
Binghamton	76,662	163	9,294	15,670	10,732,859	26,674,791	26,059,865	614,926	53,052,403	26,877,612
Buffalo	573,076	1,391	68,854	398,540	100,577,592	440,027,559	420,856,099	19,171,490	720,200,980	280,173,591
Cohoes	23,226	64	4,904	25,396	5,139,065	9,759,055	9,254,467	505,188	16,597,141	9,837,486
Corning	15,777	28	2,397	4,147	3,246,767	2,953,176	2,817,595	133,581	12,065,323	9,112,147
Cortland	15,043	39	3,498	12,698	4,227,475	12,028,079	11,538,597	489,482	25,055,173	13,027,094

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) *	Horse- power †	Wages	COST OF MATERIALS, CONTAINERS FOR PRO- DUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
NEW YORK—Continued										
Dunkirk.....	17,802	33	2,849	18,706	\$3,972,531	\$0,310,260	\$8,651,078	\$659,182	\$10,970,998	\$7,060,738
Elmira.....	47,397	99	5,700	18,861	8,110,540	12,354,126	11,426,080	928,046	31,877,717	19,523,591
Floral Park.....	10,010	7	31	206	66,099	69,533	66,095	3,523	222,704	163,171
Freeport.....	15,467	12	186	216	263,053	225,837	211,876	13,961	651,945	426,108
Fulton.....	12,462	23	3,324	20,016	4,068,172	14,951,023	14,106,575	844,448	26,811,035	11,860,012
Geneva.....	16,053	39	1,777	8,248	2,595,823	5,600,931	5,184,858	316,073	12,088,338	6,587,407
Glens Falls.....	18,531	52	2,300	31,432	2,529,878	5,627,877	4,800,296	727,581	12,216,961	6,689,084
Gloversville.....	23,099	167	5,281	8,086	6,088,730	17,183,875	16,788,967	394,908	31,326,084	14,142,209
Hempstead.....	12,660	23	272	3,165	359,847	1,110,682	846,862	263,720	2,663,571	1,552,989
Herkimer.....	10,446	20	1,325	4,898	1,518,902	2,151,703	2,068,961	92,742	5,050,617	2,898,914
Hornell.....	16,250	29	2,629	5,934	3,740,040	4,553,713	4,407,062	145,751	10,959,109	6,405,390
Hudson.....	12,337	32	888	2,078	901,863	1,743,335	1,635,266	108,069	4,077,408	2,384,073
Ithaca.....	20,708	38	2,073	5,393	3,110,784	1,743,671	1,522,237	221,434	8,767,096	7,013,425
Jamestown.....	45,155	135	9,040	25,131	13,787,997	23,825,310	23,177,632	647,678	54,219,698	30,394,388
Johnstown.....	10,801	95	2,808	5,574	2,955,188	7,507,452	7,283,301	224,151	15,077,308	7,569,856
Kennore.....	16,482	5	15	22	27,051	47,908	44,522	3,386	142,461	94,553
Kingston.....	28,088	92	4,189	7,411	4,100,281	7,930,971	7,553,379	377,592	17,366,808	9,438,897
Little Falls.....	11,105	35	2,670	14,626	2,857,634	6,481,828	6,211,717	270,111	12,828,496	6,346,603
Lockport.....	23,160	65	3,987	25,356	5,810,822	22,284,436	21,469,402	815,034	38,799,485	16,485,040
Lynbrook.....	11,993	8	95	514	162,438	248,040	233,777	14,263	686,472	433,432
Mamaroneck.....	11,766	17	247	634	344,814	562,711	524,140	38,571	1,341,005	778,384
Massena.....	10,637	14	136	470	144,026	719,328	683,762	35,566	877,373	158,045
Middletown.....	21,276	48	1,599	2,913	1,898,222	2,018,837	1,876,444	142,393	5,733,395	3,714,553
Mount Vernon.....	61,499	87	1,919	4,592	2,920,673	4,073,250	3,828,520	244,730	11,336,327	7,313,131
Newburgh.....	31,275	96	4,478	10,648	5,330,947	13,485,520	12,844,242	641,278	26,450,277	12,964,751
New Rochelle.....	54,000	46	858	2,410	1,401,682	1,933,552	1,905,600	77,952	5,021,235	3,037,853
New York.....	6,930,446	29,446	503,249	978,622	912,274,596	2,947,120,773	2,885,380,031	61,740,742	5,984,254,941	3,037,125,168
Bronx Borough.....	1,255,258	1,204	24,958	65,401	40,518,431	73,021,421	67,863,331	5,158,040	176,326,909	103,305,578
Brooklyn Borough.....	2,560,401	5,818	146,648	394,990	214,949,571	592,184,262	571,059,876	21,124,386	1,214,090,535	621,909,273
Manhattan Borough.....	1,897,312	20,797	328,230	314,588	558,754,981	1,942,634,397	1,916,806,954	25,827,443	3,986,303,844	2,043,669,444
Queens Borough.....	1,079,129	1,417	55,166	147,797	85,461,966	278,860,737	271,463,336	7,397,451	515,178,834	236,318,047
Richmond Borough.....	158,345	210	8,247	55,846	12,694,427	60,428,006	58,186,484	2,242,422	92,354,720	31,925,823
Niagara Falls.....	75,460	123	13,211	114,156	19,870,497	63,707,475	53,752,922	9,954,553	131,207,257	67,490,782
North Tonawanda.....	19,019	56	4,261	37,787	5,900,506	15,993,042	14,324,791	1,668,251	33,633,312	17,040,270
Ogdensburg.....	16,915	37	1,068	14,415	1,384,818	5,047,216	4,661,024	386,192	8,302,394	3,255,178
Olean.....	21,700	51	2,740	12,360	3,737,039	16,276,071	15,630,130	638,941	21,427,469	5,152,396
Oneida.....	10,558	28	932	2,390	1,241,905	2,052,561	1,956,720	80,835	5,309,377	3,271,810
Oneonta.....	12,536	22	1,322	3,902	1,938,376	5,652,225	5,512,613	139,612	9,333,517	3,681,292
Ossining.....	15,241	19	503	1,226	600,036	1,399,680	1,347,002	52,684	3,275,325	1,875,639
Oswego.....	22,652	41	2,835	20,240	3,123,001	10,774,420	10,071,752	702,668	19,367,186	8,822,766
Peekskill.....	17,125	30	987	13,772	1,385,651	2,740,277	2,367,940	372,337	5,992,758	3,252,481
Plattsburg.....	13,349	28	584	9,822	677,259	2,315,915	2,024,124	291,791	4,376,668	2,060,753
Port Chester.....	22,662	27	1,595	5,985	2,261,874	5,503,919	5,301,363	202,556	12,785,309	7,281,390
Port Jervis.....	10,243	25	1,673	2,456	2,283,537	3,025,686	2,814,840	210,840	6,642,336	3,616,650
Poughkeepsie.....	40,288	115	5,195	10,293	6,249,138	12,026,261	11,455,119	571,143	30,119,092	18,092,831
Rensselaer.....	11,223	17	1,073	8,514	2,841,143	8,172,574	7,871,434	301,140	15,833,257	7,660,683
Rochester.....	328,132	935	58,448	119,530	82,416,463	142,973,051	136,636,599	6,337,382	380,701,393	237,727,412
Rockville Center.....	13,718	12	87	509	167,056	156,053	130,753	25,300	734,053	578,000
Rome.....	32,338	56	5,762	31,143	7,222,111	40,390,025	39,168,357	1,221,668	57,032,917	16,642,592
Saratoga Springs.....	13,169	30	269	1,073	338,208	718,982	683,914	35,068	1,693,393	974,411
Schenectady.....	95,092	114	25,366	174,311	49,410,389	86,533,446	83,346,370	3,187,076	167,146,411	80,612,065
Syracuse.....	209,326	445	26,486	82,052	39,151,878	77,046,012	73,747,512	3,298,500	181,798,450	104,152,438
Tonawanda.....	12,681	24	2,078	15,997	2,990,610	7,801,743	7,104,115	497,628	17,713,642	10,111,800
Troy.....	72,763	149	11,272	31,661	11,399,310	20,144,434	17,236,887	2,907,547	44,418,327	24,273,893
Utica.....	101,740	216	13,195	51,616	14,319,579	31,370,579	29,155,819	2,214,760	65,186,803	33,816,224
Valley Stream.....	11,790	5	17	60	26,780	43,905	41,810	2,185	97,591	53,596
Watertown.....	32,205	60	3,030	20,096	3,651,481	8,304,476	7,697,108	607,368	20,140,137	11,835,001
Watervliet.....	16,083	24	1,409	3,668	1,550,751	4,337,798	4,738,511	99,285	10,253,265	5,415,469
White Plains.....	35,830	34	431	1,060	780,213	994,899	937,586	57,333	3,076,192	2,051,293
Yonkers.....	134,646	141	13,127	31,442	17,283,517	73,185,755	71,317,461	1,848,294	113,536,679	40,370,024

NORTH CAROLINA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Concord, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Asheville.....	50,193	46	983	4,944	\$1,131,175	\$4,199,092	\$4,005,602	\$103,490	\$7,998,480	\$3,799,388
Charlotte.....	32,875	143	6,664	24,169	6,783,973	34,846,517	33,516,998	829,519	57,955,679	23,609,162
Durham.....	52,037	62	7,172	29,146	5,974,348	41,464,857	40,910,260	554,597	137,645,909	66,181,052
Elizabeth City.....	10,037	19	373	2,118	308,025	651,977	617,708	34,269	1,387,148	735,171
Fayetteville.....	13,040	33	1,288	5,878	302,073	3,057,867	2,926,912	130,955	6,469,762	2,406,896
Gastonia.....	17,093	53	4,850	20,447	3,517,817	10,304,491	9,500,218	795,273	18,605,132	8,300,641
Coldsboro.....	14,985	26	1,110	5,183	949,649	2,769,075	2,630,788	88,287	5,126,072	2,356,997
Greensboro.....	53,569	92	6,811	28,790	5,065,076	23,249,939	22,563,111	686,828	38,752,076	15,532,137
High Point.....	36,745	111	11,041	19,798	9,748,690	28,386,866	28,784,342	602,524	52,185,880	22,789,014
Kinston.....	11,362	19	516	2,045	323,930	1,197,473	1,142,744	54,729	2,225,285	1,027,812

* Not including salaried employees.

† Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
NORTH CAROLINA—Continued										
New Bern	11,981	29	1,551	5,966	\$1,128,731	\$1,713,046	\$1,643,249	\$59,797	\$4,016,632	\$2,303,566
Raleigh	37,379	46	1,319	4,349	1,411,680	2,435,017	2,232,116	202,901	6,009,272	3,574,255
Rocky Mount	21,412	43	2,117	13,333	2,421,957	7,027,284	6,816,352	210,932	12,143,850	5,116,595
Salisbury	16,951	40	1,562	7,307	1,291,680	4,139,069	3,890,430	248,639	7,353,787	3,214,718
Shelby	10,789	22	1,731	6,033	1,419,005	5,277,321	5,062,710	214,611	8,216,143	2,937,822
Statesville	10,490	40	1,870	6,570	1,372,629	6,552,557	6,325,064	227,493	10,585,148	4,032,591
Thomasville	10,090	24	2,932	7,458	2,422,952	6,843,497	6,644,727	198,770	11,360,615	4,517,113
Wilmington	32,270	41	1,397	5,728	1,234,713	3,453,112	3,525,402	126,710	6,533,793	3,130,681
Wilson	12,613	30	693	3,069	533,703	3,385,815	3,294,335	91,480	5,233,499	1,897,654
Winston-Salem	75,274	88	17,348	27,357	14,199,489	102,152,542	101,395,318	757,224	301,524,926	199,372,334
NORTH DAKOTA										
Bismarck	11,090	20	235	547	\$303,240	\$1,868,175	\$1,805,197	\$62,978	\$3,020,130	\$1,151,961
Fargo	28,619	53	639	2,055	899,255	3,724,716	3,606,290	218,417	6,927,291	3,202,575
Grand Forks	17,112	28	563	5,411	873,074	6,939,159	6,708,672	230,487	9,302,913	2,363,754
Minot	16,090	21	450	1,481	692,788	3,248,810	3,190,935	57,875	4,907,007	1,658,857
OHIO										
[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Campbell, Chillicothe, Lorain, Parma, Portsmouth, Shaker Heights, and Struthers, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]										
Akron	255,040	270	59,983	280,447	\$96,622,893	\$201,281,159	\$284,500,854	\$6,780,305	\$544,644,230	\$253,363,077
Alliance	23,047	48	3,662	25,650	5,651,767	11,278,698	10,605,247	673,451	26,145,875	14,867,177
Ashland	11,141	30	2,070	5,025	2,318,262	4,923,977	4,704,420	219,548	12,475,415	7,551,433
Ashtabula	23,301	44	2,505	8,181	3,620,231	5,360,838	5,092,210	268,628	12,253,424	6,892,586
Barberton	23,934	38	5,944	53,140	3,356,800	20,573,059	18,439,701	2,138,358	43,460,707	22,882,648
Bellaire	13,237	27	1,081	2,670	1,333,769	1,393,192	1,175,154	208,038	4,205,204	2,822,102
Bucyrus	10,027	24	1,205	5,470	1,593,164	2,410,374	2,225,265	185,109	5,819,400	3,409,035
Cambridge	16,129	30	1,739	7,531	2,600,528	5,656,624	5,378,151	278,473	10,172,222	4,515,598
Canton	104,906	174	18,334	155,036	31,870,051	72,647,066	64,556,472	8,091,434	153,988,924	81,340,968
Cincinnati	451,160	1,784	63,986	165,963	85,442,129	243,010,657	238,220,047	5,381,610	407,552,409	253,941,752
Cleveland	900,429	2,573	146,881	726,375	229,150,052	627,926,881	584,462,169	43,464,712	1,245,433,855	617,506,974
Cleveland Heights	50,945	21	99	834	107,026	486,805	446,690	40,115	1,104,922	678,117
Columbus	290,564	564	26,565	79,152	36,940,630	110,445,678	107,057,284	3,888,394	212,255,749	101,810,071
Coshocton	10,908	40	2,145	6,140	2,224,796	4,360,630	4,155,417	204,213	10,406,192	6,016,562
Cuyahoga Falls	19,797	21	663	4,633	1,152,567	2,352,534	2,244,000	107,534	4,761,171	2,408,637
Dayton	200,982	477	40,842	106,797	62,632,045	111,758,729	108,653,824	3,104,905	317,773,160	206,014,431
East Cleveland	39,667	34	3,478	5,312	4,099,780	9,206,040	9,006,259	199,781	18,940,523	9,784,483
East Liverpool	23,329	48	2,765	7,815	3,352,290	3,447,545	2,772,479	675,066	9,776,831	6,329,286
Elyria	25,633	61	4,089	24,135	7,221,483	22,186,276	21,347,534	838,692	37,945,810	15,759,534
Euclid	12,751	21	1,752	8,749	3,137,303	10,630,839	10,438,928	141,961	18,973,555	8,342,966
Findlay	19,363	56	2,141	10,415	2,348,624	7,830,237	7,439,309	390,938	15,948,521	8,118,284
Fostoria	12,790	35	2,329	13,732	3,238,444	8,067,750	7,638,246	429,504	6,917,072	3,782,004
Fremont	13,422	54	1,967	4,674	2,117,474	6,022,875	5,787,865	235,010	11,736,191	5,713,816
Garfield Heights	15,589	12	647	3,736	943,377	1,869,741	1,659,305	210,436	4,387,222	2,517,481
Hamilton	52,176	96	12,061	54,690	17,870,710	31,890,201	30,450,606	1,439,595	66,991,843	35,101,642
Ironton	16,621	36	1,592	10,876	1,004,511	4,023,439	2,795,748	1,227,691	7,942,990	3,919,561
Lakewood	70,500	46	2,124	4,283	2,927,510	9,268,634	9,223,599	45,035	19,528,632	9,706,185
Lancaster	18,716	45	3,332	8,239	3,581,684	7,007,923	6,827,586	780,337	15,842,537	8,234,614
Lima	42,287	72	4,543	13,030	5,666,171	16,203,876	15,572,221	631,655	29,595,853	13,391,977
Mansfield	33,525	88	5,009	25,747	7,131,618	18,608,170	17,878,011	730,159	37,583,900	18,975,730
Marletta	14,285	54	848	3,961	939,762	2,673,288	2,563,652	109,630	6,870,117	4,199,829
Marion	31,084	54	4,197	23,455	6,004,159	15,824,230	15,161,269	662,961	30,480,161	14,635,931
Martins Ferry	14,524	23	2,684	13,481	3,999,325	17,709,324	16,942,841	767,083	24,420,375	6,710,451
Massillon	26,400	49	4,293	13,006	3,223,986	22,053,992	20,464,467	1,589,525	40,356,803	18,302,811
Middletown	29,992	50	6,752	102,416	9,978,983	36,218,692	33,348,125	2,870,567	68,207,568	31,988,871
Newark	30,590	62	4,865	16,632	6,730,576	9,261,625	8,213,080	1,048,545	21,663,211	12,401,586
New Philadelphia	12,365	29	1,642	7,957	2,171,225	5,404,934	5,094,326	310,608	9,158,632	3,753,698
Niles	16,314	31	3,616	24,034	7,186,618	16,415,426	15,171,766	1,243,660	31,652,377	15,239,951
Norwood	33,411	82	10,626	23,627	14,156,632	71,107,938	70,478,989	628,949	118,076,404	40,969,416
Painesville	10,944	19	501	1,228	741,144	1,816,585	1,764,969	50,616	3,416,521	1,599,936
Piqua	16,009	43	3,228	7,848	3,577,501	11,159,795	10,916,599	243,196	19,343,618	8,688,823
Salem	10,622	30	2,133	10,247	3,946,176	6,231,556	6,041,465	190,091	12,527,074	7,280,083
Sandusky	24,622	79	2,495	15,846	3,273,922	6,605,430	6,053,882	551,548	14,809,627	8,204,197
Springfield	68,743	158	12,003	38,769	16,955,139	57,160,431	56,069,587	1,100,844	110,223,105	53,062,074
Staubenville	35,422	43	4,314	146,792	6,072,896	22,929,616	20,573,166	2,356,460	37,025,145	14,095,320
Tiffin	16,428	54	2,341	5,585	3,096,160	4,709,939	4,260,947	442,992	12,258,247	7,546,308
Toledo	290,718	586	49,000	174,230	72,451,194	235,185,497	223,144,149	10,041,348	429,599,926	196,414,429
Warren	41,062	87	3,903	23,491	5,921,373	17,697,920	16,736,308	961,612	36,427,929	18,820,969
Wooster	10,742	35	801	5,189	1,087,590	2,469,013	2,369,956	99,057	5,479,059	3,250,046
Xenia	10,607	26	912	3,487	876,135	2,524,416	2,442,050	82,366	4,824,331	2,299,965
Yongstown	170,002	140	20,543	427,021	37,001,679	170,012,074	145,026,217	24,985,857	264,520,084	94,507,060
Zanesville	36,440	70	4,680	16,207	6,361,118	9,917,924	8,775,683	1,142,241	25,318,285	15,400,361

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		

OKLAHOMA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Ada, Lawton, McAlester, and Wewoka, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Ardmore.....	15,741	27	220	1,465	\$253,394	\$771,007	\$739,931	\$91,676	\$1,593,111	\$821,504
Bartlesville.....	14,763	19	103	710	165,955	272,923	245,164	27,759	785,850	512,933
Chickasha.....	14,099	20	396	2,227	479,691	2,978,157	2,914,721	63,436	4,309,590	1,831,439
Enid.....	26,399	50	739	6,333	970,592	7,738,730	7,596,298	142,432	10,547,205	2,808,475
Muskogee.....	32,026	59	1,248	6,385	1,773,582	10,639,847	10,478,086	163,761	14,826,720	4,180,873
Oklahoma City.....	185,389	245	6,312	23,505	8,540,696	67,799,143	67,001,970	797,173	104,424,116	36,624,973
Okmulgee.....	17,097	27	410	2,853	541,732	4,133,160	3,977,533	160,626	5,677,198	1,539,029
Ponca City.....	16,136	18	123	1,407	172,604	807,377	797,972	39,905	1,363,727	555,850
Sapulpa.....	10,533	15	180	1,068	227,560	431,687	379,865	51,822	1,220,128	788,441
Seminole.....	11,459	13	100	539	174,010	308,519	246,450	60,063	773,495	466,976
Shawnee.....	23,283	25	873	4,937	1,074,531	3,795,451	3,679,581	115,920	5,708,744	1,913,293
Tulsa.....	141,258	177	3,087	17,413	4,891,334	9,644,558	9,032,210	512,348	20,820,277	17,276,719

OREGON

Astoria.....	10,349	54	670	3,974	\$884,249	\$4,453,037	\$4,376,915	\$76,122	\$9,851,870	\$2,398,833
Eugene.....	18,901	45	861	5,367	1,007,873	2,942,061	2,816,287	125,774	5,042,582	2,100,521
Klamath Falls.....	16,093	27	1,294	9,072	2,011,239	2,069,930	1,900,362	109,568	5,574,251	3,474,321
Medford.....	11,007	29	231	1,225	284,552	885,760	848,470	37,290	1,649,214	763,454
Portland.....	301,815	1,039	21,380	93,261	28,472,917	92,417,853	90,034,308	2,383,545	169,821,295	77,403,442
Salem.....	26,266	62	2,201	15,240	2,205,880	8,188,704	7,766,766	421,938	15,347,291	7,158,587

PENNSYLVANIA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Allquippa, Arnold, Berwick, Bethlehem, Clairton, Coatesville, Donora, Dormont, Duquesne, Ellwood City, Lewistown, McKeesport, Munhall, North Braddock, Shamokin, Sharon, Steelton, Swissvale, Taylor, and Vandergrift, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Allentown.....	92,563	254	17,503	42,294	\$20,996,175	\$69,523,036	\$68,073,493	\$1,449,543	\$122,264,393	\$52,741,357
Altoona.....	82,054	66	13,737	35,291	20,509,115	43,162,424	42,230,468	931,956	72,429,778	29,267,354
Ambridge.....	20,227	24	4,959	21,477	8,099,170	31,063,338	30,368,564	694,774	55,052,788	23,989,420
Beaver Falls.....	17,147	42	3,293	15,788	4,451,716	12,112,188	11,471,351	640,837	21,929,023	9,817,735
Bellevue.....	10,252	3	21	20	27,799	51,326	49,051	2,275	108,580	57,254
Braddock.....	19,329	26	989	5,616	1,637,226	4,740,590	4,507,392	242,198	8,630,899	3,881,300
Bradford.....	19,306	53	1,531	8,576	2,206,108	10,203,108	9,825,755	377,353	7,592,217	7,389,109
Bristol.....	11,799	27	1,955	6,615	2,357,277	6,061,404	6,709,648	251,756	12,011,668	5,050,264
Butler.....	23,598	46	3,802	83,091	5,809,487	22,831,796	20,436,136	2,395,650	33,557,587	10,725,801
Canonsburg.....	12,553	13	3,543	16,095	5,482,338	13,800,753	13,121,721	679,032	21,675,585	7,874,832
Carbondale.....	20,061	21	892	1,587	1,204,375	1,281,695	1,200,789	80,906	3,349,313	2,067,618
Carlisle.....	12,596	32	2,740	8,359	2,532,361	7,180,334	6,035,605	244,829	13,676,998	6,496,664
Carnegie.....	12,497	28	2,017	41,723	3,008,881	9,585,500	8,981,748	603,752	16,043,970	6,458,476
Chambersburg.....	13,788	36	1,556	7,567	1,463,846	4,371,042	4,180,375	180,667	4,300,003	4,300,003
Charleroi.....	11,200	16	1,359	4,415	1,397,802	1,629,398	1,092,323	537,075	5,298,235	3,068,837
Chester.....	59,164	101	12,009	65,475	18,130,408	64,245,371	61,344,285	2,901,086	111,243,721	46,998,360
Columbia.....	11,349	32	2,208	5,629	2,605,877	5,846,769	5,609,916	236,853	6,857,905	6,857,136
Connellsville.....	13,290	31	817	2,354	822,573	1,147,161	1,070,450	76,705	2,838,831	1,691,670
Conshohocken.....	10,815	29	1,944	6,670	2,807,482	10,361,143	10,047,624	313,524	16,077,392	6,316,244
Coraopolis.....	10,724	14	1,003	7,018	2,920,537	13,603,030	12,901,515	601,524	20,473,585	6,970,546
Dickson City.....	12,395	11	336	636	241,503	742,130	706,299	35,831	1,175,887	433,757
Du Bois.....	11,595	28	1,189	4,211	1,294,243	1,617,469	1,494,273	123,196	3,738,862	2,121,393
Dunmore.....	22,627	11	897	1,843	872,867	580,636	536,284	44,352	1,868,298	1,287,062
Easton.....	34,458	76	3,787	10,377	5,298,799	11,794,702	11,307,428	487,274	23,371,097	11,576,995
Erie.....	116,967	277	15,884	70,603	23,414,973	47,737,227	43,575,807	4,161,360	103,979,806	56,242,579
Farrell.....	14,350	22	5,519	122,412	9,563,327	40,043,404	35,276,854	4,766,010	56,985,594	16,942,130
Franklin.....	10,254	26	1,638	8,274	2,455,818	5,693,413	5,459,476	233,937	10,970,755	5,277,342
Greensburg.....	16,508	32	2,087	7,535	2,778,756	2,469,339	2,141,725	317,614	7,846,245	5,386,906
Hanover.....	11,805	76	3,612	7,578	3,382,400	9,679,923	9,424,016	255,907	18,443,032	8,703,109
Harrisburg.....	80,339	163	7,825	34,078	10,144,491	19,998,391	18,217,305	1,781,026	41,083,637	21,085,240
Hazleton.....	36,765	54	4,781	6,649	4,014,753	15,686,506	15,407,181	279,325	25,065,026	9,378,520
Homestead.....	20,141	22	341	1,794	527,993	1,696,740	1,615,730	81,011	3,136,223	1,439,482
Jennette.....	15,126	27	3,446	12,277	4,315,860	7,147,526	6,321,781	825,745	16,603,242	9,455,716
Johnstown.....	66,993	103	11,809	213,365	20,781,266	81,837,747	65,074,097	16,163,650	124,033,306	42,195,559
Kingston.....	21,600	21	2,536	5,510	2,173,256	2,005,542	1,828,064	176,478	5,868,145	3,852,003
Lancaster.....	59,949	184	12,096	46,528	14,814,576	47,140,491	45,896,314	1,244,177	94,942,841	47,802,360
Latrobe.....	10,044	20	1,282	13,955	2,136,644	4,442,812	4,003,016	439,796	10,993,217	6,560,405
Lebanon.....	25,561	82	6,653	46,558	7,396,792	13,667,175	17,535,700	1,131,475	34,577,598	15,910,423
McKees Rocks.....	18,116	34	4,693	29,523	9,911,402	11,610,219	10,795,102	815,117	24,742,447	13,132,223
Mahanoy City.....	14,784	16	593	659	377,733	1,060,768	1,031,012	29,756	2,344,952	1,284,184
Meadville.....	16,698	35	2,590	6,847	3,857,593	5,294,718	5,021,741	242,977	11,997,851	6,733,133
Monessen.....	20,268	18	6,235	89,660	10,726,085	37,025,117	32,802,214	4,222,903	59,550,809	22,525,752
Mount Carmel.....	17,967	14	796	575	545,793	1,547,199	1,526,119	21,080	2,694,294	1,147,095
Nanticoke.....	26,043	20	1,845	2,530	1,405,817	1,931,655	1,791,393	140,262	5,557,200	3,625,365
New Castle.....	48,074	55	7,105	97,786	10,917,188	41,453,225	36,897,569	4,555,656	64,040,525	22,587,300

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) *	Horse- power †	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
PENNSYLVANIA—Continued										
New Kensington.....	16,702	24	5,170	19,075	\$7,976,685	\$21,408,704	\$20,725,324	\$683,380	\$35,062,880	\$13,654,176
Norristown.....	35,853	76	3,808	9,870	4,760,639	7,567,322	7,245,434	321,888	17,905,166	10,337,834
Oil City.....	22,075	29	2,693	13,833	4,576,655	6,207,396	5,708,674	498,722	13,363,661	7,156,265
Old Forge.....	12,661	6	263	375	177,392	80,094	61,401	19,593	484,660	493,066
Olyphant.....	10,743	7	354	653	247,503	120,737	82,505	38,232	494,790	374,053
Philadelphia (coextensive with Philadelphia County).....	1,950,961	5,567	246,908	652,321	338,910,466	1,025,630,209	996,415,682	29,214,527	2,003,710,905	978,080,096
Phoenixville.....	12,029	28	2,533	24,417	3,476,360	8,932,371	8,047,445	884,926	15,517,905	6,585,534
Pittsburgh.....	669,817	1,370	61,503	394,065	90,955,072	290,969,737	268,175,982	22,793,755	544,784,634	263,814,897
Pittston.....	18,246	18	350	1,140	404,405	1,031,178	956,264	74,914	1,913,864	882,086
Plymouth.....	16,543	14	458	694	312,450	487,774	455,187	32,587	1,148,352	660,578
Pottstown.....	19,430	64	5,329	25,471	6,535,560	17,149,284	16,672,974	476,310	31,681,201	14,431,917
Pottsville.....	24,300	41	2,049	21,285	3,178,376	8,248,013	7,534,192	714,421	16,830,447	7,581,834
Reading.....	25,070	323	25,070	89,436	31,752,207	57,199,063	53,065,326	4,133,737	120,919,422	63,720,359
Scranton.....	143,433	251	11,677	27,713	12,377,804	31,846,423	30,610,942	1,235,481	61,053,837	29,207,414
Sheanandoah.....	21,782	24	554	1,344	471,906	1,513,900	1,469,836	44,064	2,088,372	1,174,472
Sunbury.....	15,626	26	2,185	4,391	2,980,795	6,821,448	6,547,644	273,804	13,520,218	6,698,770
Tamaqua.....	12,636	20	732	886	669,450	1,665,223	1,621,205	44,018	3,016,115	1,350,892
Turtle Creek.....	10,690	7	21	121	23,259	46,281	43,553	2,728	102,460	56,179
Uniontown.....	10,544	25	929	3,098	1,090,925	1,713,923	1,530,104	183,819	4,541,385	2,827,462
Warren.....	14,863	46	2,129	12,768	3,058,429	14,400,593	13,742,871	657,692	22,036,395	7,635,832
Washington.....	24,545	35	1,847	8,233	2,602,063	6,038,800	5,210,524	828,276	14,017,457	7,978,657
Waynesboro.....	10,167	34	3,207	9,247	3,632,494	6,547,353	6,106,292	351,061	16,825,350	10,077,997
West Chester.....	12,325	26	299	1,274	411,473	806,341	764,748	41,593	1,092,992	1,096,651
Wilkes-Barre.....	86,626	152	8,030	20,047	8,077,473	22,165,241	21,409,247	755,994	44,041,368	21,876,127
Wilkesport.....	20,630	30	337	1,655	515,295	905,077	893,606	102,071	2,537,734	1,542,057
Williamsport.....	45,729	107	9,428	31,293	12,246,610	33,192,909	32,110,125	1,082,784	62,116,415	28,023,606
York.....	55,254	106	15,060	50,729	15,856,647	34,354,766	32,788,496	1,566,270	87,582,938	53,228,172

RHODE ISLAND

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Cumberland, Lincoln, North Providence, and Warwick, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Bristol.....	11,053	18	3,274	9,937	\$3,545,420	\$9,176,272	\$8,901,190	\$275,082	\$18,768,015	\$9,501,743
Central Falls.....	25,898	61	4,623	7,013	5,686,200	12,156,296	11,742,763	413,533	25,056,520	12,900,224
Cranston.....	42,911	38	3,841	12,367	4,997,431	9,091,928	8,504,407	527,521	20,999,396	11,907,468
East Providence.....	26,995	14	1,290	5,840	1,731,203	7,735,504	7,502,192	233,312	13,283,213	5,552,709
Newport.....	27,612	33	754	1,620	950,319	2,761,980	2,644,434	117,546	4,626,447	1,894,467
Pawtucket.....	77,149	219	20,715	104,803	23,174,516	58,438,284	56,173,468	2,264,816	110,295,560	51,857,285
Providence.....	252,981	935	48,322	115,650	56,851,606	109,716,140	105,042,333	4,673,807	241,793,973	132,077,833
Westerly.....	10,907	22	1,461	6,375	1,892,599	3,337,437	3,087,650	249,787	6,067,835	3,330,398
West Warwick.....	17,696	21	3,482	27,972	3,136,044	10,689,735	10,378,530	311,205	15,369,131	5,179,396
Woonsocket.....	49,376	124	13,866	52,340	15,255,726	47,560,580	46,100,209	1,460,371	81,073,667	33,513,037

SOUTH CAROLINA

Anderson.....	14,383	25	1,043	4,357	\$803,519	\$2,112,793	\$1,933,366	\$179,427	\$4,423,893	\$2,311,100
Charleston.....	62,265	54	2,776	15,460	2,619,304	15,305,880	14,994,114	311,775	19,765,055	4,459,160
Columbia.....	61,581	67	3,769	19,369	3,404,850	10,202,002	9,526,041	676,561	18,107,610	7,905,214
Florence.....	14,774	16	831	1,802	929,082	1,090,923	1,032,915	58,008	2,532,653	1,441,730
Greenville.....	29,164	58	2,310	7,322	1,665,591	5,921,314	5,619,515	301,799	11,189,428	5,218,114
Greenwood.....	11,020	20	1,301	4,983	1,003,196	3,065,559	2,923,168	142,396	5,568,639	2,443,080
Rock Hill.....	11,322	24	1,730	7,784	1,221,746	3,469,911	3,192,258	277,653	6,622,619	2,152,708
Spartanburg.....	28,723	52	2,076	11,962	1,477,110	5,729,250	5,488,069	289,187	9,226,669	3,500,443
Sumter.....	11,780	32	1,291	4,429	795,400	1,937,052	1,874,846	61,206	4,116,306	2,179,254

SOUTH DAKOTA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Huron, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Aberdeen.....	16,465	29	516	1,865	\$671,749	\$2,639,392	\$2,514,410	\$124,982	\$4,474,576	\$1,855,184
Mitchell.....	10,942	20	312	981	417,328	2,442,810	2,373,781	69,029	3,329,459	1,386,679
Rapid City.....	10,404	22	569	2,234	677,645	1,153,583	1,113,377	40,206	2,404,492	1,250,009
Sioux Falls.....	33,392	75	2,393	8,604	2,790,864	38,522,981	38,112,926	410,055	47,179,710	8,656,739
Watertown.....	10,214	27	298	1,234	406,265	8,463,966	8,371,694	61,972	10,960,504	1,596,538

* Not including salaried employees.

† Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Population, 1930	Number of establishments	Wage earners (average for the year) ^a	Horse-power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PRODUCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manufacture
						Total	Materials and containers	Fuel and purchased energy		
TENNESSEE										
Bristol, Tenn. and Va., total.....	20,845	63	2,812	8,313	\$2,375,218	\$8,214,168	\$7,873,531	\$340,637	\$13,776,091	\$5,561,923
Bristol, Tenn.....	12,005	17	430	699	316,173	1,530,913	1,482,462	48,451	2,805,914	1,275,001
Bristol, Va.....	8,840	46	2,382	7,614	2,059,045	6,683,255	6,391,069	292,186	10,970,177	4,286,922
Chattanooga.....	119,798	215	17,362	61,980	17,137,916	55,022,800	52,158,293	2,864,507	101,060,834	46,038,034
Jackson.....	22,172	33	1,250	6,165	1,246,270	3,048,889	2,897,746	151,143	6,451,160	3,402,271
Johnson City.....	25,090	35	2,141	9,112	1,788,882	6,740,839	6,320,903	410,936	10,639,366	3,898,527
Kingsport.....	11,914	25	3,714	27,828	3,408,286	8,303,458	7,008,954	694,504	15,864,762	7,561,304
Knoxville.....	105,902	182	15,558	58,360	14,289,703	35,444,900	34,151,862	1,293,038	66,777,980	31,333,080
Memphis.....	253,143	427	15,921	115,068	16,712,221	99,356,718	97,823,660	1,533,158	169,702,182	70,345,464
Nashville.....	153,866	256	14,179	44,736	14,534,280	65,863,467	64,298,473	1,564,994	111,122,235	45,268,768

TEXAS

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Big Spring, Brownwood, Cleburne, Del Rio, Galveston, Laredo, Lubbock, Pampa, Paris, San Angelo, and Sweetwater, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307.]

Abilene.....	23,175	42	459	3,277	\$175,705	\$3,301,903	\$3,233,316	\$68,587	\$4,959,762	\$1,057,859
Amarillo.....	43,132	46	595	2,842	1,106,442	2,460,093	2,314,249	145,849	5,442,650	2,982,552
Austin.....	53,120	88	856	5,624	1,074,899	3,286,565	3,163,102	123,463	7,066,287	3,779,722
Beaumont.....	57,732	84	1,779	9,077	2,225,110	5,950,951	5,674,933	276,018	12,330,201	6,379,250
Brownsville.....	22,021	29	178	1,977	181,586	637,405	637,822	49,583	1,295,502	658,157
Corpus Christi.....	27,741	36	334	1,807	370,498	1,663,252	1,502,205	61,047	2,866,963	1,303,711
Corsicana.....	15,202	27	537	4,133	555,632	2,819,159	2,710,885	102,274	4,904,388	2,085,229
Dallas.....	260,475	535	12,048	49,271	13,630,181	83,644,347	82,400,585	1,243,762	142,512,320	58,867,973
Denison.....	13,850	22	576	3,037	561,277	2,491,075	2,427,309	63,766	3,793,019	1,301,944
El Paso.....	102,421	147	5,160	15,051	5,453,576	13,838,074	13,306,370	531,704	24,605,307	10,767,233
Fort Worth.....	163,447	228	6,461	40,281	8,278,505	85,920,261	84,695,219	1,225,042	113,614,152	27,693,891
Grenville.....	12,407	28	245	2,818	222,842	2,807,555	2,547,139	60,376	3,469,062	861,497
Harlingen.....	12,124	10	128	2,159	171,217	343,901	298,880	46,081	1,123,557	779,596
Houston.....	292,352	429	16,264	64,011	20,301,484	70,771,174	77,482,970	2,288,204	145,049,659	65,278,485
Marshall.....	16,203	23	1,707	7,120	1,914,723	3,798,159	3,642,627	155,572	7,164,561	3,366,402
Palestine.....	11,445	22	539	3,081	733,460	1,571,598	1,502,661	68,937	2,848,882	1,277,264
Port Arthur.....	50,902	20	290	2,141	421,961	1,247,299	1,141,514	105,785	2,558,490	1,311,191
San Antonio.....	231,542	390	8,692	25,415	8,271,292	30,569,740	29,811,798	757,951	53,372,775	22,803,026
San Benito.....	10,753	11	122	639	81,662	192,505	173,651	18,854	488,096	295,591
Sherman.....	15,713	43	721	7,050	899,185	9,507,307	9,339,704	167,513	12,965,794	3,458,487
Temple.....	15,345	32	487	3,095	645,599	2,178,028	2,076,656	101,372	3,696,076	1,518,048
Texarkana, Tex. and Ark., total.....	27,366	52	1,043	5,180	1,066,344	3,965,736	3,760,829	204,907	6,904,786	2,939,050
Texarkana, Tex.....	16,602	36	844	3,442	887,289	2,392,541	2,232,379	160,162	4,667,681	2,275,140
Texarkana, Ark.....	10,764	16	199	1,738	179,055	1,573,195	1,528,450	44,745	2,237,105	663,910
Tyler.....	17,113	28	611	3,351	670,175	2,184,301	2,106,120	78,181	3,751,375	1,567,074
Waco.....	52,848	105	1,808	6,850	1,879,839	7,781,071	7,581,919	219,152	13,602,285	5,821,214
Wichita Falls.....	43,690	73	1,438	9,164	2,008,244	11,655,998	11,255,414	400,584	18,068,459	6,412,461

UTAH

Ogden.....	40,272	84	2,342	10,965	\$2,892,006	\$12,367,637	\$12,047,809	\$319,828	\$10,011,445	\$6,643,808
Provo.....	14,766	27	514	2,824	607,907	1,203,440	1,149,663	53,777	2,362,025	1,158,685
Salt Lake City.....	140,267	201	5,655	19,627	7,311,140	21,735,707	20,987,482	748,285	42,197,235	20,461,468

VERMONT

Barre.....	11,307	97	1,827	14,555	\$3,440,650	\$3,033,193	\$2,678,677	\$354,616	\$10,423,266	\$7,390,073
Burlington.....	24,789	50	1,898	8,102	1,892,359	6,189,004	5,935,208	253,796	12,077,671	5,888,667
Rutland.....	17,315	41	1,561	4,822	1,994,608	2,466,620	2,260,286	206,343	6,550,057	4,038,428

VIRGINIA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Newport News and Roanoke, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307.]

Alexandria.....	24,149	24	1,475	5,421	\$2,141,384	\$1,843,607	\$1,665,611	\$177,996	\$4,813,271	\$2,969,664
Bluefield, Va. and W. Va., total.....	23,245	25	1,506	6,230	1,942,590	2,323,479	2,210,731	112,748	5,450,155	3,126,676
Bluefield, Va.....	3,906	6	24	71	21,754	65,797	63,831	1,966	126,174	60,377
Bluefield, W. Va.....	19,339	19	1,482	6,159	1,920,836	2,257,682	2,146,900	110,782	5,323,981	3,066,299
Bristol, Va. and Tenn., total.....	20,845	63	2,812	8,313	2,375,218	8,214,168	7,873,531	340,637	13,776,091	5,561,923
Bristol, Va.....	8,840	46	2,382	7,614	2,059,045	6,683,255	6,391,069	292,186	10,970,177	4,286,922
Bristol, Tenn.....	12,005	17	430	699	316,173	1,530,913	1,482,462	48,451	2,805,914	1,275,001

^a Not including salaried employees.^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		
VIRGINIA—Continued										
Charlottesville.....	15,245	31	809	2,655	\$801,390	\$2,172,981	\$2,054,829	\$118,152	\$3,935,282	\$1,762,801
Dauville.....	22,247	41	2,532	19,923	2,066,090	5,214,713	4,994,618	229,095	9,692,900	4,478,187
Hopewell.....	11,327	14	5,292	81,938	5,701,731	11,823,269	10,407,673	1,415,596	23,347,915	11,524,646
Lynchburg.....	40,661	70	6,694	21,802	5,501,090	16,099,357	15,211,378	887,979	31,594,147	15,494,790
Norfolk.....	129,710	177	6,633	23,994	7,768,277	31,521,915	30,908,658	613,257	57,886,408	26,364,493
Petersburg.....	28,564	74	3,970	5,857	2,704,725	10,479,484	10,302,700	176,784	17,872,068	7,392,584
Portsmouth.....	45,704	47	2,433	9,363	2,511,710	6,786,573	6,440,531	346,042	11,616,573	4,830,000
Richmond.....	182,929	306	17,491	55,110	18,001,058	90,339,422	88,529,887	1,809,535	234,619,094	144,279,672
Staunton.....	11,990	24	446	1,260	422,270	1,677,160	1,613,915	63,254	2,969,445	1,291,576
Stafford.....	10,271	34	2,371	8,013	1,190,200	13,423,852	13,282,646	141,206	17,047,181	3,053,329
Winchester.....	10,865	33	1,000	3,528	994,391	3,311,652	3,213,066	98,586	5,936,631	2,654,979

WASHINGTON

Aberdeen.....	21,723	62	2,769	19,799	\$4,010,691	\$9,906,393	\$9,778,933	\$127,460	\$17,252,255	\$7,345,862
Bellingham.....	30,823	84	3,941	18,933	5,821,010	8,160,606	7,938,925	221,680	20,187,029	12,026,424
Bremerton.....	10,170	14	57	300	104,522	230,521	217,011	9,510	456,401	269,880
Everett.....	30,567	94	4,208	27,828	5,068,840	14,015,344	13,803,772	211,572	23,085,165	9,069,811
Hoquiam.....	12,766	35	2,648	27,626	4,016,473	9,631,636	9,381,639	250,217	17,699,670	8,068,034
Longview.....	10,652	16	528	8,093	719,244	1,990,604	1,817,177	173,427	3,511,828	1,521,224
Olympia.....	11,733	32	1,944	8,855	1,712,741	4,959,606	4,874,484	78,125	8,709,360	3,786,691
Port Angeles.....	10,188	22	1,149	27,406	1,833,177	7,106,552	6,518,331	588,221	11,937,221	4,880,669
Seattle.....	305,583	1,219	23,008	110,298	33,347,697	108,413,425	105,807,442	2,905,983	199,810,372	91,396,947
Spokane.....	115,514	275	5,252	21,276	6,636,020	27,306,085	26,070,858	639,127	45,607,723	18,300,738
Tacoma.....	106,817	320	13,424	89,290	17,839,155	54,724,643	53,448,453	1,276,190	92,774,045	38,049,402
Vancouver.....	15,766	37	1,517	12,689	2,117,230	6,748,476	6,626,337	122,139	13,076,318	6,327,842
Walla Walla.....	16,976	34	285	1,433	409,955	2,439,203	2,365,336	73,872	3,730,644	1,291,436
Wenatchee.....	11,627	26	521	2,692	712,750	1,993,986	1,893,029	100,957	3,594,754	1,600,768
Yakima.....	22,101	52	878	2,850	1,093,344	3,667,369	3,520,238	147,131	6,801,577	3,134,208

WEST VIRGINIA

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Huntington, which reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Bluefield, W. Va. and Va., total.....	23,245	25	1,506	6,230	\$1,942,590	\$2,323,479	\$2,210,731	\$112,748	\$5,450,155	\$3,126,676
Bluefield, W. Va.....	19,339	10	1,482	6,159	1,920,836	2,257,082	2,146,900	110,782	5,323,981	3,066,299
Bluefield, Va.....	3,906	6	24	71	21,754	65,797	63,831	1,966	126,174	60,377
Charleston.....	60,408	88	2,353	11,339	2,977,542	7,336,271	6,824,001	512,270	16,263,409	8,927,138
Clarksburg.....	28,806	49	2,983	12,805	3,950,705	7,943,481	6,598,270	747,211	16,194,843	8,852,362
Fairmont.....	23,159	31	2,152	13,029	2,899,633	5,865,326	4,674,418	890,908	12,821,423	7,256,097
Martinsburg.....	14,857	27	3,080	4,299	2,709,894	5,843,962	5,043,689	200,273	10,584,730	4,740,768
Morgantown.....	16,186	31	954	2,808	1,288,199	1,029,195	788,708	240,487	3,458,060	2,428,865
Moundsville.....	14,411	21	1,461	3,433	1,937,870	4,299,420	3,907,032	332,388	8,978,264	4,678,844
Parkersburg.....	29,623	55	1,981	9,197	2,615,420	6,773,133	6,461,554	316,579	16,366,160	6,588,027
Wheeling.....	61,659	112	7,748	32,606	10,407,173	34,245,948	33,104,009	1,141,639	61,090,190	26,850,542

WISCONSIN

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Cudahy, Shorewood, and Two Rivers, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

Appleton.....	25,267	74	2,798	25,565	\$3,210,042	\$11,378,707	\$10,465,025	\$913,682	\$19,622,502	\$8,243,795
Ashland.....	10,022	20	648	4,024	801,778	1,245,932	1,097,764	148,168	2,793,519	1,547,587
Beloit.....	23,611	36	4,443	17,160	7,465,598	12,399,988	11,706,568	693,420	23,005,887	15,805,699
Eau Claire.....	29,287	79	3,452	23,300	3,931,441	14,990,242	14,401,076	589,166	22,956,255	7,966,013
Fond du Lac.....	26,449	65	3,002	9,024	3,800,784	10,953,397	10,499,246	454,121	20,260,661	9,307,294
Green Bay.....	37,415	94	3,814	26,522	5,122,939	16,210,160	15,116,465	1,093,695	29,103,273	12,893,113
Janesville.....	21,028	40	4,255	6,416	5,692,134	67,651,627	67,137,317	414,310	112,418,150	44,860,523
Kenosha.....	50,262	67	11,478	45,737	18,329,920	60,164,331	58,506,633	1,659,198	97,061,248	30,880,417
La Crosse.....	39,614	97	5,523	10,929	5,965,569	11,004,325	10,499,034	535,291	25,045,694	14,041,369
Madison.....	67,899	110	3,488	10,990	5,159,464	22,474,373	21,980,429	493,944	35,104,240	15,629,867
Manitowoc.....	22,963	67	3,798	10,998	4,094,614	17,445,664	16,648,380	797,284	29,063,912	11,618,248
Marinette.....	13,794	20	1,739	14,828	1,668,165	6,409,645	6,091,778	317,867	10,335,271	3,925,625
Milwaukee.....	578,249	1,769	94,873	333,830	136,775,336	361,052,449	347,403,841	13,648,608	700,790,456	339,708,007
Oshkosh.....	40,108	119	6,572	18,760	6,982,626	15,506,399	15,008,596	497,803	31,961,015	16,464,616
Racine.....	67,542	184	12,893	48,096	18,618,893	67,025,296	64,703,196	2,322,100	132,739,939	65,714,540
Sheboygan.....	39,251	107	6,191	15,987	6,660,573	14,712,765	14,056,655	656,110	29,590,101	14,877,426
South Milwaukee.....	10,708	21	2,070	9,989	2,626,048	6,037,492	5,629,533	407,959	14,984,731	8,947,239
Stevens Point.....	13,623	29	1,021	7,414	1,075,251	2,936,406	2,786,672	149,734	5,932,014	2,096,608
Superior.....	36,113	57	1,484	14,822	2,018,715	15,209,019	13,119,703	2,089,316	21,093,710	5,854,691
Watertown.....	10,613	37	1,199	4,895	1,220,540	6,331,763	6,187,586	144,177	9,756,648	3,424,885
Waukesha.....	17,176	56	3,536	10,150	4,932,315	12,216,841	11,725,321	491,520	28,534,632	16,317,791
Wausau.....	23,768	63	2,696	10,149	2,726,811	6,772,656	6,548,442	224,214	13,506,790	6,734,134
Wauwatosa.....	21,194	19	397	1,978	549,235	905,333	855,106	47,222	2,095,072	1,189,734
West Allis.....	34,671	62	10,146	27,187	15,905,894	31,054,635	29,699,031	1,355,604	68,808,937	37,754,302

^a Not including salaried employees.
^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

CENSUS OF MANUFACTURES: 1929

TABLE 8.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, BY STATES: 1929—Continued

[See headnote on first page of this table]

CITY	Popula- tion, 1930	Number of estab- lish- ments	Wage earners (average for the year) ^a	Horse- power ^b	Wages	COST OF MATERIALS, CONTAINERS FOR PROD- UCTS, FUEL, AND PURCHASED ELECTRIC ENERGY			Value of products	Value added by manu- facture
						Total	Materials and containers	Fuel and purchased energy		

WYOMING

[In order to avoid disclosing approximations of the data for individual establishments, no statistics are given for Casper and Cheyenne, each of which cities reported more than 10,000 inhabitants at the census of 1930. See p. 307]

CITIES NOT SHOWN SEPARATELY

[The figures for these cities have been combined to avoid disclosing approximations of the data reported by individual establishments. The items for individual cities are withheld in some cases because 1 or 2 establishments reported by far the greater proportions of the total number of wage earners and the total value of products for all industries in the city, and in other cases because their publication would make it possible to subtract them from the figures for the counties in which the cities are located and thus to obtain approximations of the data for important establishments located in the counties but outside the cities]

Total for 116 cities ¹	2,425,511	2,844	311,111	3,250,282	\$490,839,857	\$2,102,720,216	\$1,862,834,717	\$239,835,490	\$3,323,343,088	\$1,220,022,872
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¹ The numbers of establishments reported for these cities are as follows:

Alabama, Phenix City..... 3	Kentucky: Ashland..... 36	Missouri—Continued. Moberly..... 20	Oklahoma: Ada..... 13	Rhode Island—Continued. Lincoln..... 2
California: San Leandro..... 16	Port Thomas..... 2	St. Charles..... 17	Lawton..... 22	North Providence..... 6
Vallejo..... 26	Lexington..... 06	St. Joseph..... 133	McAlester..... 23	Warwick..... 14
Colorado: Fort Collins..... 19	Massachusetts, South- bridge..... 27	Sedalia..... 28	Wewoka..... 9	South Dakota, Huron..... 21
Pueblo..... 72	Michigan: Alpena..... 24	University City..... 8	Pennsylvania: Aliquippa..... 19	Texas: Big Spring..... 14
Connecticut, Shelton..... 27	Dearborn..... 32	Webster Groves..... 4	Arnold..... 3	Brownwood..... 26
Florida, Sanford..... 16	Ecorse..... 12	New Jersey: Carteret..... 21	Berwick..... 20	Cleburne..... 13
Georgia: Brunswick..... 27	Flint..... 101	Chillicothe..... 10	Bethlehem..... 78	Del Rio..... 13
Rome..... 51	Grosse Pointe Park..... 3	Lodi..... 14	Clairton..... 11	Galveston..... 86
Waycross..... 26	Highland Park..... 31	Ridgefield Park..... 14	Coatesville..... 21	Laredo..... 33
Illinois: Canton..... 18	Iron Mountain..... 8	Ridgewood..... 8	Donora..... 15	Lubbock..... 13
East Moline..... 12	Lincoln Park..... 2	South River..... 25	Dormont..... 1	Pampa..... 11
Harrisburg..... 10	Traverse City..... 31	New Mexico, Roswell..... 20	Duquesne..... 12	Paris..... 36
Mount Vernon..... 21	Minnesota: Albert Lea..... 26	New York: Bardonia..... 18	Ellwood City..... 27	San Angelo..... 38
Indiana: Gary..... 78	Austin..... 24	Glen Cove..... 9	Lewistown..... 22	Sweetwater..... 5
Whiting..... 10	Brainerd..... 15	Johnson City..... 18	McKeesport..... 50	Virginia: Newport News..... 38
Iowa: Burlington..... 72	South St. Paul..... 15	Lackawanna..... 21	Munhall..... 3	Roanoke..... 77
Newton..... 22	Virginia..... 21	North Carolina, Concord..... 24	North Braddock..... 2	West Virginia, Hunting- ton..... 96
Ottumwa..... 54	Mississippi: Gulfport..... 14	Ohio: Campbell..... 9	Shamokin..... 34	Wisconsin: Cudahy..... 16
Kansas: Emporia..... 26	Natchez..... 26	Chillicothe..... 32	Sharon..... 36	Shorwood..... 6
Fort Scott..... 26	Missouri: Columbia..... 19	Lorain..... 40	Steelton..... 11	Two Rivers..... 10
	Maplewood..... 13	Parma..... 3	Swissvale..... 12	Wyoming: Casper..... 29
		Portsmouth..... 61	Taylor..... 4	Cheyenne..... 10
		Shaker Heights..... 1	Vandergrift..... 11	
		Struthers..... 6	Rhode Island: Cumberland..... 10	

^a Not including salaried employees.

^b Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

AREAS, COUNTIES, AND CITIES

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TABLE 9.—SUMMARY FOR CITIES HAVING 10,000 INHABITANTS OR MORE, GROUPED ACCORDING TO POPULATION: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed for either 1909 or 1929; and those for 1919 and 1909 cover all establishments, in all industries, which reported products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. This change in the minimum value-of-products limit resulted in a considerable decrease in the "Number of establishments" item but had only a negligible effect on the comparableness of the other items covered by this table]

	Cen- sus year	United States	CITIES HAVING 10,000 INHABITANTS OR MORE								REMAINDER OF UNITED STATES	
			Total		10,000 to 25,000		25,000 to 100,000		100,000 and over		Number or amount	Per cent of U. S. total
			Number or amount	Per cent of U. S. total	Number or amount	Per cent of U. S. total	Number or amount	Per cent of U. S. total	Number or amount	Per cent of U. S. total		
Number of cities	1929		1 954		1 585		1 276		93			
	1919		747		460		219		68			
	1909		503		365		178		50			
Population ¹	1930	122, 775, 046	57, 771, 357	47. 1	8, 762, 449	7. 1	12, 683, 172	10. 3	36, 325, 736	29. 6	65, 003, 689	52. 9
	1920	105, 710, 020	44, 723, 547	42. 3	6, 953, 433	6. 6	10, 340, 788	9. 8	27, 429, 326	25. 9	60, 987, 073	57. 7
	1910	91, 972, 286	34, 021, 620	37. 0	5, 409, 015	6. 0	8, 204, 950	8. 9	20, 317, 045	22. 1	57, 950, 046	63. 0
Number of establishments ²	1929	210, 959	142, 015	67. 3	16, 206	7. 7	23, 351	11. 1	102, 458	48. 6	68, 944	32. 7
	1919	200, 105	106, 079	57. 2	22, 486	7. 8	31, 285	10. 8	112, 308	38. 7	124, 026	42. 8
	1909	208, 491	135, 735	50. 6	18, 949	7. 1	26, 989	10. 1	89, 797	33. 4	132, 756	49. 4
Wage earners (average for the year)	1929	8, 838, 743	6, 205, 836	71. 2	894, 565	10. 1	1, 531, 899	17. 3	3, 880, 372	43. 8	2, 542, 907	28. 8
	1919	9, 004, 372	6, 400, 335	70. 4	977, 319	10. 7	1, 639, 698	18. 0	3, 789, 318	41. 7	2, 690, 037	29. 6
	1909	6, 015, 046	4, 309, 431	65. 1	676, 289	10. 2	1, 118, 412	16. 9	2, 514, 730	38. 0	2, 305, 615	34. 9
Horsepower ³	1929	42, 031, 061	26, 304, 136	61. 3	5, 186, 385	12. 1	7, 429, 031	17. 3	13, 688, 720	31. 9	16, 626, 925	38. 7
Wages ⁴	1929	\$11, 020, 073, 254	\$8, 721, 773, 333	75. 1	\$1, 136, 000, 046	9. 8	\$2, 035, 044, 558	17. 5	\$5, 550, 728, 099	47. 8	\$2, 899, 199, 921	24. 9
Cost of materials, containers for products, fuel, and purchased electric energy	1929	38, 540, 579, 732	28, 183, 403, 323	73. 1	3, 634, 747, 742	9. 4	6, 456, 763, 012	16. 8	18, 061, 802, 569	46. 9	10, 366, 176, 409	26. 9
	1919	37, 376, 380, 283	26, 748, 232, 633	71. 6	3, 554, 664, 668	9. 5	6, 269, 859, 730	16. 8	16, 923, 808, 240	45. 3	10, 628, 147, 650	28. 4
	1909	12, 142, 790, 878	8, 282, 617, 260	68. 2	1, 154, 189, 373	9. 5	2, 170, 630, 157	17. 9	4, 957, 806, 730	40. 8	3, 860, 173, 618	31. 8
Value of products	1929	70, 434, 863, 443	52, 719, 258, 591	74. 8	6, 460, 171, 162	9. 2	11, 973, 248, 689	17. 0	34, 285, 838, 440	48. 7	17, 715, 604, 852	25. 2
	1919	62, 418, 078, 773	45, 291, 763, 441	72. 6	6, 031, 094, 736	9. 7	10, 744, 903, 103	17. 2	28, 515, 765, 602	45. 7	17, 126, 315, 332	27. 4
	1909	20, 072, 051, 870	14, 281, 854, 630	69. 1	1, 958, 244, 493	9. 5	3, 593, 828, 999	17. 4	8, 729, 781, 138	42. 2	6, 390, 197, 240	30. 9
Value added by manufacture	1929	31, 885, 263, 711	24, 535, 855, 268	77. 0	2, 325, 423, 420	8. 9	5, 456, 485, 977	17. 2	16, 223, 945, 871	50. 9	7, 349, 428, 443	23. 0
	1919	25, 041, 698, 490	18, 543, 530, 808	74. 1	2, 476, 530, 073	9. 9	4, 475, 043, 373	17. 9	11, 591, 957, 362	46. 3	6, 498, 167, 682	25. 9
	1909	8, 529, 260, 992	5, 999, 237, 370	70. 3	804, 064, 120	9. 4	1, 423, 198, 842	16. 7	3, 771, 974, 408	44. 2	2, 530, 023, 622	29. 7

¹ The report of the Census of Population gives 982 as the total number of places having 10,000 inhabitants or more, 608 as the number having 10,000 to 25,000 inhabitants, and 283 as the number having 25,000 to 100,000 inhabitants. The differences between these numbers and those given in this table are due to the fact that certain townships in New Jersey, Pennsylvania, and California and certain towns in Connecticut and New York were treated in the same manner as cities for population-census purposes but were not so treated for manufactures-census purposes.

² Includes Elmwood Park, Ill., in which no manufacturing was reported.

³ Population of 1930, as of Apr. 1; of 1920, as of Jan. 1; of 1910, as of Apr. 15.

⁴ See headnote.

⁵ Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

⁶ No corresponding figures were assembled for 1919 or 1909.