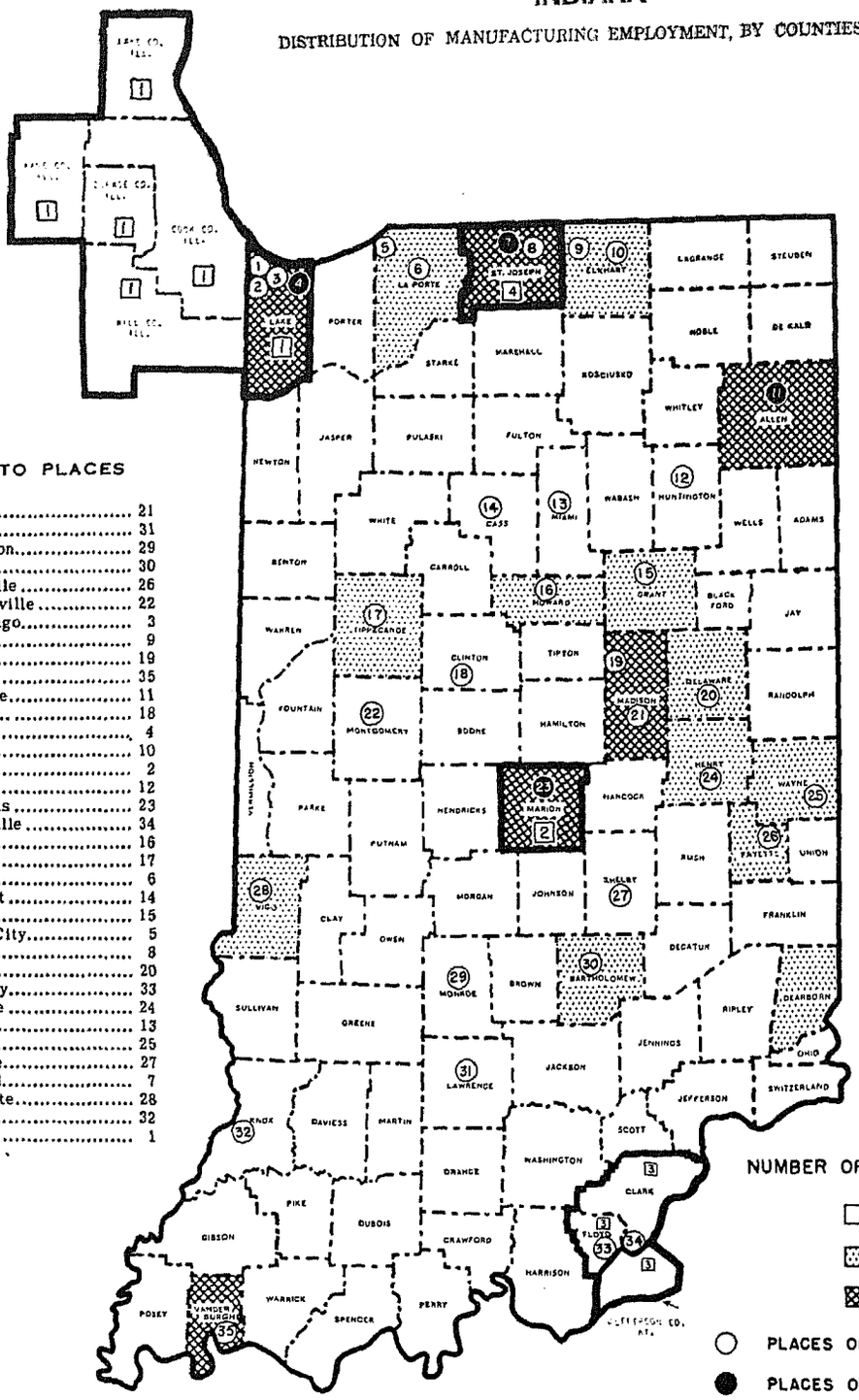
INDIANA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Anderson	21
Bedford	31
Bloomington	29
Columbus	30
Connersville	26
Crawfordsville	22
East Chicago	3
Elkhart	9
Elwood	19
Evansville	35
Fort Wayne	11
Frankfort	18
Gary	4
Goshen	10
Hammond	2
Huntington	12
Indianapolis	23
Jeffersonville	34
Kokomo	16
Lafayette	17
La Porte	6
Logansport	14
Marion	15
Michigan City	5
Mishawaka	8
Muncie	20
New Albany	33
New Castle	24
Peru	13
Richmond	25
Shelbyville	27
South Bend	7
Terre Haute	28
Vincennes	32
Whiting	1

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 5,000
- 5,000 TO 19,999
- 20,000 OR MORE

- ○ PLACES OF 10,000 TO 99,999 POPULATION
- ● PLACES OF 100,000 OR MORE POPULATION

STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES

- [1] CHICAGO AREA
- [2] INDIANAPOLIS AREA
- [3] LOUISVILLE AREA
- [4] SOUTH BEND AREA

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND ITS STANDARD METROPOLITAN AREAS: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
INDIANA						
1947	5,408	548,346	$1,587,518	457,582	$1,236,558	$2,977,508
1939 [3]	4,192	337,869	474,099	275,272	342,652	964,746
1937	3,939	356,923	495,597	313,342	402,117	1,018,980
1935 [4]	3,917	285,282	331,510	248,196	257,802	703,246
1933	3,373	n.a.	n.a.	198,940	172,055	470,270
1931	4,097	n.a.	n.a.	212,614	232,319	637,233
1929	5,091	359,888	534,186	314,098	418,771	1,136,463
1927	4,726	n.a.	n.a.	280,717	375,218	926,311
1925	4,772	n.a.	n.a.	280,854	365,003	867,062
1923	4,909	n.a.	n.a.	291,131	374,510	841,605
1921	5,109	n.a.	n.a.	206,534	251,456	551,375
1919	7,558	322,362	400,942	276,695	315,976	721,736
1914	7,952	225,802	155,689	197,292	119,114	306,635
1909	7,969	210,589	121,816	186,984	95,511	244,709
1904	7,044	169,036	87,087	154,174	72,058	173,447
1899	7,128	149,464	69,251	139,017	59,280	141,909
CHICAGO METROPOLITAN AREA [Consists of Lake County, Indiana; Cook, Du Page, Kane, Lake, and Will Counties, Illinois]						
1947	12,284	945,326	$2,993,068	756,115	$2,177,257	$5,529,062
1939 [3]	9,058	609,940	941,363	478,126	632,529	1,896,111
1929 [5]	11,693	636,464	1,137,863	527,677	830,322	2,477,979
1919	12,399	n.a.	n.a.	520,133	677,238	1,670,150
INDIANAPOLIS METROPOLITAN AREA [Consists of Marion County, Indiana]						
1947	944	92,649	$279,361	73,168	$198,676	$484,860
1939 [3]	784	50,666	73,782	38,705	47,989	138,633
1929 [5]	902	55,504	84,492	46,339	60,158	178,962
1919	1,028	n.a.	n.a.	52,142	55,083	135,701
LOUISVILLE METROPOLITAN AREA [Consists of Clark and Floyd Counties, Indiana; Jefferson County, Kentucky]						
1947	743	73,791	$193,664	60,827	$144,107	$488,956
1939 [3]	641	39,770	46,757	35,009	35,581	128,466
1929 [5]	822	49,459	65,304	42,303	48,399	153,178
1919	979	n.a.	n.a.	35,238	34,165	90,721
SOUTH BEND METROPOLITAN AREA [Consists of St. Joseph County, Indiana]						
1947	259	42,139	$144,419	37,158	$117,504	$234,908
1939 [3]	194	24,178	36,930	20,819	29,592	71,555
1929 [5]	236	35,032	52,915	31,400	43,691	98,430
1919	277	n.a.	n.a.	19,957	23,206	50,606

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and for the Chicago and Indianapolis Metropolitan Areas, and the 1947 figures for the Louisville and South Bend Metropolitan Areas include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $970.2 million for the State, $1,910.0 million for the Chicago Metropolitan Area, $139.2 million for the Indianapolis Metropolitan Area, $129.0 million for the Louisville Metropolitan Area, and $71.6 million for the South Bend Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $721.0 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] For the Chicago and Indianapolis Metropolitan Areas, the figures for 1929–47 exclude, whereas those for 1919 include, data for those industries given in footnote [4] above which were represented in the areas. Value added by manufacture for 1929, including data for these industries, was $2,548.5 million for the Chicago Metropolitan Area and $189.9 million for the Indianapolis Metropolitan Area. For the Louisville Metropolitan Area and South Bend Metropolitan Areas, the figures for 1929 as well as those for 1919, include data for these industries. The comparability of the figures for 1919 with those for later years is also affected by the inclusion of data for the "Automobile repairing" industry in that year.

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TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	3,427,796	5,408	548,346	$1,587,518	457,582	$1,236,558	$2,977,508	4,192	275,272	$964,746
STANDARD METROPOLITAN AREAS										
Chicago area, total	4,825,527	12,284	945,326	2,993,068	756,115	2,177,257	5,529,062	9,058	478,126	1,896,111
Portion in Indiana	293,195	284	92,890	313,859	78,272	252,818	587,378	216	58,036	266,379
Portion in Illinois	4,532,332	12,000	852,436	2,679,209	677,843	1,924,439	4,941,684	8,842	420,090	1,629,732
Indianapolis area	460,926	944	92,649	279,361	73,168	198,676	484,860	784	38,705	138,633
Louisville area, total	451,473	743	73,791	193,664	60,827	144,107	488,956	641	35,009	128,466
Portion in Indiana	66,081	103	7,885	19,572	6,272	13,718	69,101	84	4,035	17,019
Portion in Kentucky	385,392	640	65,906	174,092	54,555	130,389	419,855	557	30,974	111,447
South Bend area	161,823	259	44,139	144,419	37,158	117,504	234,908	194	20,819	71,555
COUNTIES										
Adams	21,254	33	2,473	6,280	2,037	5,157	15,674	31	1,407	5,889
Allen	155,084	267	38,972	113,606	30,085	82,234	224,377	174	14,133	54,133
Bartholomew	28,276	64	6,382	16,562	5,364	12,492	32,374	55	2,316	7,792
Benton	11,117	10	121	270	98	209	648	6	71	186
Blackford	13,783	27	1,861	4,461	1,637	3,638	8,648	23	1,328	3,365
Boone	22,081	27	1,425	3,256	1,167	2,316	7,815	27	664	1,917
Brown	6,189	5	13	11	12	10	34	1	(d)	(d)
Carroll	15,410	24	656	1,263	607	1,082	2,560	17	167	309
Cass	36,908	61	3,397	8,151	2,895	6,405	15,202	53	2,450	6,155
Clark	31,020	38	3,974	10,930	2,791	6,897	53,969	27	1,484	(d)
Clay	25,365	37	1,538	3,405	1,415	2,979	6,516	23	720	1,730
Clinton	28,411	30	1,842	4,658	1,622	3,868	8,383	25	1,164	2,762
Crawford	10,171	9	79	97	78	96	157	6	38	43
Daviess	26,163	25	1,383	2,749	1,243	2,315	4,093	28	450	878
Dearborn	23,053	30	5,228	14,857	4,539	12,529	71,661	30	1,506	8,595
Decatur	17,722	19	324	764	276	625	1,406	17	298	524
De Kalb	24,756	64	2,490	6,582	2,054	4,730	11,147	40	1,524	4,178
Delaware	74,963	145	17,985	52,667	15,718	43,781	106,004	105	10,464	30,631
Dubois	22,579	68	3,069	7,181	2,785	6,001	13,180	71	2,207	3,811
Elkhart	72,634	241	15,478	44,095	12,643	32,821	83,167	152	8,174	28,562
Fayette	19,411	27	6,521	20,074	5,761	17,186	39,594	25	2,310	6,677
Floyd	35,061	65	3,911	8,642	3,481	6,821	15,132	57	2,551	(d)
Fountain	18,299	13	1,369	3,355	1,217	2,745	3,915	12	662	1,287
Franklin	14,412	12	290	629	257	532	1,427	6	68	(d)
Fulton	15,577	24	631	1,334	516	985	2,465	15	243	526
Gibson	30,709	26	1,146	2,874	972	2,280	6,134	19	322	(d)
Grant	55,813	111	10,688	26,321	9,296	21,189	54,615	101	5,855	17,067
Greene	31,330	26	520	958	464	784	2,068	23	373	651
Hamilton	24,614	34	2,646	6,466	2,358	5,449	9,844	25	1,043	2,186
Hancock	17,302	24	439	771	389	640	1,438	19	259	515
Harrison	17,106	15	433	878	382	727	2,536	14	327	567
Hendricks	20,151	11	89	129	76	101	225	11	91	91
Henry	40,208	52	5,769	15,958	5,049	13,391	25,233	41	4,246	8,675
Howard	47,752	94	11,626	32,310	10,188	26,942	51,022	55	5,789	16,723
Huntington	29,931	63	3,921	9,339	3,251	7,052	17,671	56	1,871	4,570
Jackson	26,612	47	3,283	6,415	2,976	5,436	13,584	40	1,942	3,482
Jasper	14,397	19	150	288	126	239	467	9	46	81
Jay	22,601	32	3,343	8,452	3,001	7,083	14,346	29	2,574	5,485
Jefferson	19,912	25	616	1,351	497	908	3,134	27	427	969
Jennings	13,680	11	481	903	452	798	1,412	16	258	354
Johnson	22,493	28	1,564	3,340	1,400	2,725	7,534	33	1,243	3,115
Knox	43,973	51	1,814	4,238	1,600	3,539	8,451	39	1,478	4,373
Kosciusko	29,561	90	2,489	5,911	2,175	4,782	11,872	34	845	2,000
Lagrange	14,352	19	185	382	165	315	813	6	103	(d)
Lake	293,195	284	92,890	313,859	78,272	252,818	587,378	216	58,036	266,379
La Porte	63,660	110	13,663	38,666	11,459	30,282	70,778	86	7,113	27,083
Lawrence	35,045	34	2,956	7,093	2,609	5,705	12,314	26	1,206	3,042
Madison	88,575	148	26,048	73,449	22,583	59,757	125,395	114	13,021	44,661
Marion	460,926	944	92,649	279,361	73,168	198,676	484,860	784	38,705	138,633
Marshall	25,935	57	2,161	5,475	1,877	4,328	8,916	29	756	2,037
Martin	10,300	17	616	1,055	579	932	1,762	5	343	(d)
Miami	27,926	54	2,978	6,457	2,650	5,261	12,499	32	1,341	2,269
Monroe	36,534	50	3,386	7,323	2,917	5,699	14,150	47	1,594	3,390
Montgomery	27,231	41	2,569	6,923	2,176	5,528	10,923	38	1,291	3,026
Morgan	19,801	37	761	1,644	650	1,289	2,494	29	461	898
Newton	10,775	14	287	473	260	388	810	6	51	138
Noble	22,776	51	2,324	5,278	2,004	4,200	9,167	34	1,247	2,813
Ohio	3,782	7	119	213	106	176	323	4	36	37
Orange	17,311	30	1,290	2,064	1,220	1,868	5,127	21	366	727
Owen	12,090	14	228	369	213	325	496	7	183	288

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Con.										
Parke	17,358	16	284	$559	263	$502	$911	11	66	$146
Perry	17,770	26	3,158	7,061	2,906	6,211	11,763	24	1,638	2,402
Pike	17,045	10	53	(d)	41	(d)	(d)	9	26	(d)
Porter	27,836	43	2,077	5,095	1,741	3,996	10,438	21	697	1,655
Posey	19,183	19	418	1,008	356	798	3,581	16	451	702
Pulaski	12,056	11	239	348	224	312	838	10	104	220
Putnam	20,839	15	530	1,323	414	923	2,915	11	313	1,557
Randolph	26,766	49	3,094	8,295	2,718	6,982	13,080	30	1,794	4,447
Ripley	18,898	34	1,043	2,330	921	1,914	3,862	29	890	1,873
Rush	18,927	35	1,163	2,921	1,024	2,042	5,805	20	642	1,329
St. Joseph	161,823	259	44,139	144,419	37,158	117,504	234,908	194	20,819	71,555
Scott	8,978	12	1,483	(d)	1,246	(d)	(d)	10	1,696	(d)
Shelby	25,953	49	2,816	6,122	2,535	5,149	11,346	40	1,595	3,248
Spencer	16,211	20	292	618	253	480	1,024	16	121	249
Starke	12,258	14	222	433	203	366	800	9	156	214
Steuben	13,740	21	411	955	371	808	2,451	13	94	(d)
Sullivan	27,014	21	221	429	197	377	625	11	92	246
Switzerland	8,167	3	13	(d)	12	(d)	(d)	3	(d)	(d)
Tippecanoe	51,020	54	6,980	20,222	5,478	14,523	37,936	42	2,152	7,068
Tipton	15,135	32	989	2,131	845	1,641	5,256	20	663	2,139
Union	6,017	6	124	378	105	279	961	4	111	(d)
Vanderburgh	130,783	193	28,935	81,338	23,845	62,162	145,136	196	13,822	61,837
Vermillion	21,787	24	506	947	442	788	1,856	14	249	403
Vigo	99,709	134	9,630	25,776	8,039	19,343	62,213	116	4,985	17,740
Wabash	26,601	60	4,351	10,980	3,774	8,903	17,517	47	2,142	4,669
Warren	9,055	5	13	16	11	13	42	----	----	----
Warrick	19,435	18	213	356	198	324	889	12	197	291
Washington	17,608	21	756	1,266	699	1,123	2,030	22	707	694
Wayne	59,229	103	13,559	38,918	10,947	30,725	72,065	91	5,783	16,867
Wells	19,099	24	793	2,368	705	1,538	3,603	17	268	554
White	17,037	16	1,027	2,448	919	2,111	2,699	12	639	912
Whitley	17,001	26	1,275	2,790	1,134	2,313	6,635	21	1,103	1,863
URBAN PLACES										
Anderson	41,572	79	22,889	65,608	19,854	53,558	112,329	62	10,893	39,751
Bedford	12,514	28	2,033	5,125	1,736	3,941	7,249	19	714	1,698
Bloomington	20,870	29	2,912	6,101	2,502	4,738	12,187	29	1,110	1,936
Columbus	11,738	52	5,976	(d)	5,037	(d)	(d)	50	2,262	(d)
Connersville	12,898	23	6,502	20,027	5,745	17,151	39,495	24	2,301	(d)
Crawfordsville	11,089	28	2,373	6,521	1,998	5,178	10,373	28	1,187	3,702
East Chicago	54,637	71	37,405	128,009	31,518	103,732	258,973	56	21,694	110,693
Elkhart	33,434	128	9,962	29,514	8,072	22,206	59,089	81	5,289	21,107
Elwood	10,913	28	1,169	2,934	962	2,057	4,946	18	716	1,814
Evansville	97,062	171	25,260	70,733	20,956	54,121	134,276	179	13,339	59,715
Fort Wayne	118,410	212	30,868	(d)	23,956	(d)	(d)	155	11,136	(d)
Frankfort	13,706	19	1,186	2,967	1,055	2,539	5,214	14	707	(d)
Gary	111,719	82	35,576	(d)	30,649	(d)	(d)	63	25,322	(d)
Goshen	11,375	41	3,910	10,133	3,221	7,226	16,689	38	2,090	5,195
Hammond	70,184	87	9,063	30,252	7,437	21,921	80,698	70	5,383	40,113
Huntington	13,903	37	3,075	7,466	2,516	5,581	14,520	37	1,545	3,954
Indianapolis	386,972	882	79,805	237,357	63,062	167,816	431,028	750	35,559	130,070
Jeffersonville	11,493	20	872	(d)	677	(d)	(d)	17	403	(d)
Kokomo	33,795	80	11,090	30,684	9,699	25,513	48,517	51	5,463	(d)
Lafayette	28,798	39	2,425	7,664	1,908	5,644	17,148	31	1,526	5,312
La Porte	16,180	48	6,781	19,384	5,622	14,916	37,482	37	3,004	12,307
Logansport	20,177	41	2,764	6,693	2,403	5,466	11,737	41	1,996	5,202
Marion	26,767	73	8,243	20,859	7,184	16,963	39,484	70	3,961	9,102
Michigan City	26,476	44	6,428	17,999	5,444	14,337	31,096	36	3,846	13,930
Mishawaka	28,298	38	9,157	26,900	7,271	20,277	41,723	28	3,834	(d)
Muncie	49,720	116	12,884	35,738	11,176	29,257	71,208	90	9,961	29,269
New Albany	25,414	60	3,474	(d)	3,183	(d)	(d)	53	2,489	(d)
New Castle	16,620	23	4,994	14,116	4,419	12,067	22,190	20	3,426	(d)
Peru	12,432	34	1,988	4,157	1,766	3,343	8,739	18	658	1,235
Richmond	35,147	78	11,515	35,081	9,762	28,009	63,652	66	4,116	11,340
Shelbyville	10,791	36	2,195	4,710	1,964	3,893	8,188	25	1,115	2,052
South Bend	101,268	192	34,757	116,937	29,691	96,758	191,886	146	16,850	61,295
Terre Haute	62,693	113	8,550	23,100	7,089	17,189	56,427	96	2,756	11,114
Vincennes	18,228	34	1,483	3,335	1,307	2,751	6,984	28	1,121	3,281
Whiting	10,307	6	9,005	(d)	7,181	(d)	(d)	5	4,147	(d)

d Withheld to avoid disclosing figures for individual companies.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947										1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**5,408**	**548,346**	**$1,587,518**	**457,582**	**936,416**	**$1,236,558**	**$2,977,508**	**$302,103**	**$145,722**	**$156,381**	**4,192**	**275,272**	**$964,746**
20	Food and kindred products	1,117	44,773	119,156	34,609	75,995	84,326	291,404	25,470	7,454	18,016	1,294	27,145	108,856
21	Tobacco manufactures	13	1,353	2,416	1,310	3,054	2,122	4,108	3	----------	3	14	1,319	2,049
22	Textile mill products	35	6,640	15,002	5,984	11,483	12,999	25,185	1,132	291	841	25	8,754	14,249
23	Apparel and related products	172	16,148	29,343	14,935	28,345	24,443	57,256	851	234	617	139	17,296	26,406
24	Lumber and products, except furniture	347	9,215	21,122	8,341	17,965	17,201	36,339	1,805	532	1,273	294	6,551	12,004
25	Furniture and fixtures	264	21,486	51,663	19,272	41,133	41,977	84,870	4,205	1,517	2,688	199	14,359	25,071
26	Paper and allied products	78	9,020	24,440	7,607	16,777	18,523	55,788	6,808	1,829	4,979	76	5,641	16,574
27	Printing and publishing industries	729	15,680	45,866	10,283	21,132	28,833	82,623	3,795	1,086	2,709	633	7,517	34,058
28	Chemicals and allied products	230	20,272	65,398	14,745	30,411	40,129	246,144	24,308	8,329	15,979	177	6,588	81,860
29	Petroleum and coal products	31	16,500	59,605	13,164	26,366	45,542	113,371	68,923	66,306	2,617	24	8,719	60,120
30	Rubber products	31	15,743	42,887	13,103	27,048	33,807	64,631	7,983	2,474	5,509	18	6,582	15,584
31	Leather and leather products	34	2,614	5,103	2,439	4,845	4,464	9,656	98	19	79	34	2,589	4,380
32	Stone, clay, and glass products	411	21,627	53,793	18,655	38,760	45,063	104,918	12,995	4,679	8,316	245	13,853	44,028
33	Primary metal industries	244	82,295	267,903	71,336	145,675	222,638	449,218	61,478	23,631	37,847	145	51,972	179,530
34	Fabricated metal products	470	39,946	112,707	34,287	69,550	89,457	194,416	13,410	5,257	8,153	262	16,842	50,539
35	Machinery (except electrical)	641	80,298	242,240	65,050	133,211	182,831	402,520	32,338	12,880	19,458	304	23,904	99,132
36	Electrical machinery	121	55,143	145,603	46,602	92,771	113,589	252,527	11,039	2,234	8,805	53	18,601	61,105
37	Transportation equipment	159	75,821	246,849	63,729	127,353	200,514	442,080	22,638	6,289	16,349	92	30,693	113,109
38	Instruments and related products	41	2,611	7,108	1,994	4,118	4,715	10,474	536	124	412	18	458	1,693
39	Miscellaneous manufactures	240	11,761	29,314	10,137	20,424	23,385	49,980	2,288	557	1,731	146	5,889	14,399

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year) 1939	Number (average for the year) 1947	Wages, total 1947		
No.	Title											
	All industries, total [1]	**5,408**	**3,218**	**1,363**	**827**	**548,346**	**$1,587,518**	**275,272**	**457,582**	**$1,236,558**	**$2,977,508**	**$302,103**
20	FOOD AND KINDRED PRODUCTS	1,117	752	290	75	44,773	119,156	27,145	34,609	84,326	291,404	25,470
201	Meat products	109	66	26	17	9,308	27,114	4,743	7,361	19,963	50,693	4,155
2011	Meat packing, wholesale	87	53	18	16	8,663	25,537	4,323	6,799	18,692	47,208	4,011
2013	Prepared meats	11	7	3	1	366	1,128	185	297	875	2,423	124
2015	Poultry dressing, wholesale	11	6	5	----------	279	449	235	265	396	1,002	20
202	Dairy products	118	75	37	6	3,143	7,840	[2] 1,879	2,420	5,600	19,608	3,313
2021	Creamery butter	25	12	11	2	908	2,016	925	719	1,453	5,073	664
2023	Concentrated milk	12	5	5	2	569	1,676	305	497	1,433	4,553	1,292
2024	Ice cream and ices	59	48	9	2	1,015	2,552	415	645	1,383	6,421	933
203	Canning, preserving, and freezing	188	94	85	9	8,199	16,778	7,567	7,351	14,435	32,041	2,761
2033	Canning and preserving, except fish	155	86	64	5	6,576	13,788	6,243	5,870	11,898	25,870	1,935
2035	Pickles and sauces	33	8	21	4	1,623	2,990	(d)	1,481	2,537	6,171	826
204	Grain-mill products	171	143	22	6	3,102	8,413	1,448	2,207	5,549	20,561	1,752
2042	Prepared animal feeds	126	109	14	3	1,862	4,651	323	1,311	3,253	11,408	1,142
205	Bakery products	205	137	53	15	6,852	19,102	[2] 5,594	4,431	9,912	30,345	2,316
2051	Bread and other bakery products	200	135	53	12	5,845	16,250	4,750	3,729	8,299	26,232	2,117
2052	Biscuit, crackers, and pretzels	5	2	----------	3	1,007	2,852	844	702	1,613	4,113	199
2071	Confectionery products	16	7	7	2	897	2,134	770	735	1,401	3,977	441
208	Beverages	171	126	33	12	9,108	26,739	2,912	7,099	19,556	100,617	7,647
2081	Bottled soft drinks	151	124	26	1	2,198	5,728	592	1,157	2,303	11,100	2,074
2082	Malt liquors	12	----------	5	7	3,083	9,796	1,650	2,665	7,882	24,436	3,419
2085	Distilled liquors, except brandy	8	2	2	4	3,827	11,215	670	3,277	9,371	65,081	2,154
2095	Flavorings	18	15	2	1	308	638	27	236	423	1,109	112
2097	Manufactured ice	82	64	17	1	1,412	3,061	496	799	2,042	5,975	848
2099	Liquid, frozen, and dried eggs	4	1	2	1	225	386	(d)	209	323	832	5
	Food preparations, n.e.c.	27	23	4	----------	408	781	438	325	523	1,967	328
21	TOBACCO MANUFACTURES	13	8	3	2	1,353	2,416	1,319	1,310	2,122	4,108	3
22	TEXTILE MILL PRODUCTS	35	9	6	20	6,640	15,002	8,754	5,984	12,999	25,185	1,132
2213	Woolen and worsted fabrics	4	1	----------	3	668	1,363	817	601	1,120	2,703	103
225	Knitting mills	13	----------	3	10	4,062	9,688	6,344	3,681	8,562	15,642	599
2251	Full-fashioned hosiery mills	8	----------	2	6	2,777	7,073	4,740	2,518	6,267	11,470	477
229	Miscellaneous textile goods	11	7	3	1	423	1,040	154	332	726	1,573	149
2293	Paddings and upholstery filling	4	1	2	1	321	759	(d)	265	572	1,213	46

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

No.	Industry: Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
23	APPAREL AND RELATED PRODUCTS	172	58	62	52	16,148	$29,343	17,296	14,935	$24,443	$57,256	$851
2311	Men's and boys' suits and coats	4		1	3	1,729	4,143	1,603	1,617	3,483	5,675	62
232	Men's and boys' furnishings	56	4	24	28	7,984	13,927	9,829	7,313	11,467	24,992	408
2321	Men's dress shirts and nightwear	7	1	1	5	1,891	3,397	1,742	1,755	3,000	6,357	184
2322	Men's and boys' underwear	4		2	2	341	493	717	321	445	967	12
2327	Separate trousers	9		5	4	1,170	2,270	1,613	1,040	1,658	4,830	48
2329	Men's and boys' clothing, n.e.c.	29	2	12	15	3,915	6,662	4,256	3,569	5,448	10,885	152
233	Women's and misses' outerwear	23	5	10	8	2,370	3,974	2,010	2,243	3,495	11,768	94
2334	Dresses, dozen price	13	3	6	4	1,092	1,733	1,035	1,009	1,423	3,788	21
234	Women's and children's undergarments	9	1	4	4	1,113	1,751	976	1,061	1,598	4,893	54
238	Miscellaneous apparel and accessories	22	6	11	5	1,399	2,266	1,813	1,337	2,033	3,944	83
239	Miscellaneous fabricated textiles	53	40	9	4	1,342	2,939	1,031	1,180	2,099	5,516	149
2392	Housefurnishings, n.e.c.	10	8	2		110	188	201	102	170	315	9
2399	Fabricated textile products, n.e.c.	11	7	3	1	273	586	(d)	247	424	1,110	3
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	347	251	75	21	9,215	21,122	6,551	8,341	17,201	36,339	1,805
242	Lumber and timber basic products	185	150	30	5	2,753	5,559	2,105	2,586	4,867	10,308	707
2421	Sawmills and planing mills, general	170	148	22		1,725	3,137	1,338	1,673	2,962	5,339	265
2422	Veneer mills	10		5	5	924	2,240	707	820	1,767	4,766	436
243	Millwork and related products	64	43	11	10	3,454	9,140	1,706	2,989	6,975	15,646	683
2432	Plywood plants	10	1	4	5	1,700	4,587	755	1,565	3,771	8,632	476
244	Wooden containers	38	24	11	3	1,295	2,678	1,305	1,217	2,315	4,718	152
2444	Wooden boxes (except cigar boxes)	23	15	8		603	1,284	(d)	569	1,154	2,559	88
2445	Cooperage	9	7	1	1	230	613	60	212	502	1,000	46
249	Miscellaneous wood products	60	34	23	3	1,713	3,745	1,435	1,549	3,044	5,667	263
2491	Wood preserving	6	3	1	2	380	831	288	352	737	1,405	125
25	FURNITURE AND FIXTURES	264	89	109	66	21,486	51,663	14,359	19,272	41,977	84,870	4,205
251	Houshold furniture	196	50	94	52	18,447	43,693	12,184	16,644	35,717	71,038	3,580
2511	Wood house furniture, except upholst.	135	30	65	40	14,176	33,050	8,990	12,836	27,537	51,505	2,526
2512	Household furniture, upholstered	37	14	17	6	2,240	5,727	1,946	2,017	4,267	8,921	496
2514	Metal house furniture, except upholst.	12		7	5	1,631	3,941	617	1,454	3,210	8,883	507
2515	Mattresses and bed springs	12	6	5	1	400	975	(d)	337	703	1,729	51
2521	Wood office furniture	11	2		9	1,176	3,052	(d)	1,058	2,581	6,047	282
253	Public and professional furniture	12	5	2	5	1,042	2,900	482	862	2,111	4,248	97
2541	Partitions and fixtures	22	14	8		497	1,263	199	433	973	2,317	42
26	PAPER AND ALLIED PRODUCTS	78	13	33	32	9,020	24,440	5,641	7,607	18,523	55,788	6,808
2612	Paper and board mills	17		6	11	2,574	7,824	1,832	2,180	6,196	16,071	4,627
267	Paperboard containers and boxes	31	5	13	13	4,211	11,785	2,421	3,463	8,658	29,280	1,491
27	PRINTING AND PUBLISHING INDUSTRIES	729	581	119	29	15,680	45,866	7,517	10,283	28,833	82,623	3,795
2711	Newspapers	288	231	45	12	6,350	18,429	2,913	3,266	9,689	37,088	1,223
2721	Periodicals	39	31	6	2	742	1,942	163	310	807	6,267	92
273	Books	14	8	2	4	2,574	9,120	799	2,080	6,657	13,073	688
2731	Books: publishing and printing	10	7	2	1	220	613	368	32	59	1,313	19
2732	Book printing	4	1		3	2,354	8,507	431	2,048	6,598	11,760	669
2751	Commercial printing	284	239	40	5	3,386	8,813	2,162	2,677	6,517	14,641	770
2761	Lithographing	29	19	8	2	629	1,862	159	484	1,323	2,794	268
278	Bookbinding and related industries	14	11	3		287	535	690	256	457	941	63
2781	Bookbinding	10	8	2		218	422	598	193	362	782	59
279	Printing trades service industries	49	34	13	2	919	3,369	534	685	2,417	5,249	231
2791	Typesetting	19	16	3		224	830	114	178	623	1,304	72
2792	Engraving and plate printing	6	4	2		121	250	69	102	190	560	14
2793	Photoengraving	18	11	6	1	377	1,639	206	245	1,087	2,380	56
2794	Electrotyping and stereotyping	6	3	2	1	197	650	145	160	517	1,005	89
28	CHEMICALS AND ALLIED PRODUCTS	230	147	61	22	20,272	65,308	6,588	14,745	40,129	246,144	24,308
282	Industrial organic chemicals	7	1	4	2	712	2,264	779	546	1,598	10,279	1,554
283	Drugs and medicines	47	35	5	7	10,260	33,976	1,834	7,287	19,269	112,124	13,298
284	Soap and related products	25	17	4	4	3,805	12,339	1,484	2,772	8,256	78,579	3,373
285	Paints and allied products	32	15	12	5	1,746	5,892	708	1,200	3,171	13,043	1,234
287	Fertilizers	16	5	11		702	1,637	294	616	1,299	5,139	1,108
2871	Fertilizers	5		5		327	757	189	296	638	2,417	131
2872	Fertilizers (mixing only)	11	5	6		375	880	105	320	661	2,722	977
288	Vegetable and animal oils	39	31	7	1	746	2,044	351	589	1,624	7,891	1,284
2883	Soybean oil mills	10	6	3	1	381	951	180	268	715	5,575	443
2893	Toilet preparations	15	11	3	1	444	877	93	293	394	2,086	69
2899	Chemical products, n.e.c.	23	17	6		314	982	91	216	465	2,125	128
29	PETROLEUM AND COAL PRODUCTS	31	11	9	11	16,500	59,605	8,719	13,164	45,542	113,371	68,923
2911	Petroleum refining	10	1	4	5	12,137	45,463	6,395	9,391	33,871	78,371	66,035
2932	Byproduct coke ovens	5			5	3,846	12,414	2,001	3,432	10,745	30,981	2,519
295	Paving and roofing materials	11	6	4	1	410	1,306	311	306	828	3,030	369
299	Miscellaneous petroleum and coal products	5	4	1		107	422	12	35	98	989	
30	RUBBER PRODUCTS	31	9	4	18	15,743	42,887	6,582	13,103	33,807	64,631	7,983
31	LEATHER AND LEATHER PRODUCTS	34	18	9	7	2,614	5,103	2,589	2,439	4,464	9,656	98
314	Footwear (except rubber)	7	1	1	5	1,775	3,312	1,836	1,681	3,050	6,083	61
32	STONE, CLAY, AND GLASS PRODUCTS	411	295	69	47	21,027	53,793	13,853	18,655	45,063	104,918	12,995
322	Pressed and blown glassware	18	3	2	13	8,392	20,853	5,954	7,554	17,934	43,042	5,337
3221	Glass containers	8			8	6,401	16,066	4,577	5,729	13,934	34,636	(d)
3229	Pressed and blown glassware, n.e.c.	10	3	2	5	1,991	4,787	1,377	1,825	4,000	8,406	(d)
3231	Products of purchased glass	20	9	8	3	857	1,866	288	785	1,584	3,741	219
3241	Cement, hydraulic	4			4	2,223	6,055	995	1,829	4,757	13,018	1,843
325	Structural clay products	48	13	26	9	2,645	6,268	2,070	2,423	5,404	10,511	845
3251	Brick and hollow tile	23	2	17	4	1,460	3,464	1,102	1,342	3,042	5,335	558
3254	Sewer pipe	4		2	2	410	1,037	271	380	880	2,135	104
3259	Structural clay products, n.e.c.	17	10	5	2	482	1,090	153	452	994	2,075	138
326	Pottery and related products	12	6	3	3	775	2,313	703	699	1,873	5,024	325
327	Concrete and plaster products	257	235	15	7	3,299	8,612	1,680	2,888	7,109	15,632	4,031
3271	Concrete products	240	231	8	1	1,450	3,369	545	1,277	2,734	5,808	869
3281	Cut-stone and stone products	26	13	11	2	1,020	2,738	1,154	905	2,300	3,945	54
3292	Asbestos products	6	1	1	4	1,103	2,815	516	941	2,168	4,914	173

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1–19 employees	20–99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
33	PRIMARY METAL INDUSTRIES	244	92	67	85	82,295	$267,903	51,972	71,336	$222,638	[illegible]	$61,478
331	Blast furnaces and steel mills	14	----------	1	13	49,718	168,149	37,924	43,185	141,990	200,500	45,849
332	Iron and steel foundries	105	22	43	40	16,612	50,157	8,921	14,820	42,173	6[illegible],351	7,541
3321	Gray-iron foundries	92	22	43	27	8,889	26,658	4,928	8,115	23,288	33,496	2,921
3322	Malleable-iron foundries	6	----------	----------	6	2,899	8,436	1,976	2,665	7,410	9,666	1,821
3323	Steel foundries	7	----------	----------	7	4,824	15,063	2,017	4,040	11,475	17,189	2,799
3341	Secondary nonferrous metals	11	4	3	4	1,614	4,987	617	1,241	3,468	10,059	465
335	Nonferrous metal rolling and drawing	6	----------	----------	6	3,442	9,976	579	2,628	7,006	20,770	1,513
339	Miscellaneous primary metal industries	38	13	6	19	9,152	29,757	3,441	8,006	24,264	54,725	5,448
3392	Wire drawing	14	2	1	11	6,012	18,555	(d)	5,222	15,319	35,545	3,889
3399	Primary metal industries, n.e.c.	15	10	3	2	963	3,698	(d)	780	2,643	8,762	742
34	FABRICATED METAL PRODUCTS	470	251	137	82	39,946	112,707	16,842	34,287	89,457	194,416	13,410
342	Cutlery, hand tools, and hardware	52	29	13	10	4,430	12,066	2,347	3,841	9,415	19,693	2,078
3423	Hand tools, n.e.c.	18	11	6	1	529	1,267	192	453	981	2,020	257
3429	Hardware, n.e.c.	23	14	5	4	1,347	3,443	592	1,129	2,432	7,360	460
343	Heating and plumbing equipment	54	20	15	19	5,715	16,039	1,813	4,817	12,067	28,659	2,035
3439	Heating and cooking apparatus, n.e.c.	41	13	12	16	4,656	13,076	1,526	3,924	9,918	23,506	1,801
344	Structural metal products	104	58	28	18	10,524	32,144	2,864	8,731	25,551	50,748	4,110
3441	Structural and ornamental products	29	11	9	9	4,754	15,046	1,598	3,921	11,788	24,117	1,446
3443	Boiler shop products	19	13	4	2	2,147	6,205	247	1,855	5,196	9,857	725
346	Metal stamping and coating	140	81	46	13	7,027	19,300	4,096	6,142	15,037	34,150	2,112
3463	Metal stampings	73	39	25	9	4,827	13,284	2,905	4,174	10,274	23,540	1,421
3468	Plating and polishing	53	37	16	----------	878	2,392	241	792	1,979	4,207	382
348	Fabricated wire products	31	13	13	5	1,777	4,886	1,126	1,579	4,141	9,532	579
349	Miscellaneous fabricated metal products	71	44	20	7	3,207	8,838	1,342	2,764	7,010	18,000	760
3493	Steel springs	4	----------	3	1	533	1,645	(d)	457	1,326	4,611	35
3494	Bolts, nuts, washers, and rivets	7	1	3	3	1,477	3,951	688	1,257	3,109	7,084	353
3495	Screw-machine products	51	37	13	1	912	2,564	200	803	2,048	4,445	281
35	MACHINERY (EXCEPT ELECTRICAL)	641	373	160	108	80,298	242,240	23,904	65,050	182,831	402,520	32,338
3519	Internal-combustion engines	6	1	----------	5	7,412	23,542	(d)	6,339	19,322	31,353	1,792
352	Tractors and farm machinery	53	19	20	14	9,275	25,511	3,580	7,606	19,240	43,136	6,074
3531	Construction and mining machinery	18	3	8	7	3,793	11,473	858	3,091	8,685	19,629	1,391
354	Metalworking machinery	185	128	51	6	5,483	20,359	1,816	4,561	15,735	31,012	1,425
3543	Cutting tools, jigs, fixtures, etc.	159	113	44	2	2,977	11,187	784	2,578	8,924	15,536	935
355	Special-industry machinery, n.e.c.	114	82	24	8	4,241	13,788	1,388	3,298	9,824	24,263	2,033
3551	Food-products machinery	25	17	6	2	1,269	3,994	372	1,072	3,165	6,326	241
3553	Woodworking machinery	13	6	5	2	546	1,677	(d)	428	1,174	3,605	716
3559	Special-industry machinery, n.e.c.	68	54	10	4	2,283	7,732	845	1,680	5,190	13,842	1,050
356	General industry machinery	86	26	31	29	14,901	45,415	5,656	12,098	32,455	75,760	4,036
3561	Pumps and compressors	23	6	10	7	2,540	6,959	940	1,845	4,735	12,523	1,552
3563	Conveyors	9	3	4	2	615	1,848	99	504	1,353	2,920	109
3564	Blowers and fans	9	5	----------	4	887	2,758	277	699	1,979	3,941	189
3566	Power-transmission equipment	21	4	5	12	9,530	30,260	3,426	8,001	21,900	50,101	1,988
3567	Industrial furnaces and ovens	5	2	3	----------	119	392	(d)	89	252	620	----------
3568	Mechanical stokers	6	1	3	2	595	1,612	325	446	1,051	2,542	155
3569	General industrial machinery, n.e.c.	6	3	2	1	306	771	542	261	617	1,253	29
358	Service and household machines	35	11	5	19	26,355	77,558	7,565	21,307	58,802	130,712	13,399
3585	Refrigeration machinery	19	5	2	12	20,672	60,451	6,059	17,090	47,695	100,946	11,015
3586	Measuring and dispensing pumps	5	2	----------	3	3,824	12,094	1,080	2,591	7,049	21,391	864
359	Miscellaneous machinery parts	135	96	19	20	8,699	24,263	2,274	6,626	18,495	46,072	2,147
3591	Valves and fittings, except plumbers'	14	2	7	5	1,998	5,959	605	1,571	4,286	13,139	516
3599	Machine shops	115	94	10	11	5,111	12,765	1,255	3,752	9,781	25,120	776
36	ELECTRICAL MACHINERY	121	35	31	55	55,143	145,603	18,601	46,602	113,589	252,527	11,039
361	Electrical industrial apparatus	45	16	14	15	15,177	42,001	4,580	12,089	30,759	63,825	3,550
3611	Wiring devices and supplies	8	4	2	2	542	1,357	316	496	1,149	3,027	(d)
3616	Electrical control apparatus	4	1	2	1	218	534	225	170	354	1,026	19
366	Communication equipment	38	5	6	27	21,137	51,736	4,253	17,958	40,161	100,405	4,186
3661	Radios and related products	31	4	4	23	18,095	44,298	(d)	15,209	33,869	77,244	3,600
37	TRANSPORTATION EQUIPMENT	159	49	47	63	75,821	246,849	30,693	63,729	200,514	442,080	22,638
371	Motor vehicles and equipment	129	36	42	51	57,764	186,806	27,161	49,782	156,662	357,221	18,604
3717	Motor vehicles and parts	70	16	14	40	52,688	172,410	(3)	45,289	144,274	328,744	16,051
3713	Truck and bus bodies	17	6	7	4	1,994	5,534	(3)	1,794	4,777	11,142	644
3742	Railroad and street cars	9	2	1	6	7,215	23,399	2,154	6,160	19,301	36,166	2,171
38	INSTRUMENTS AND RELATED PRODUCTS	41	28	8	5	2,611	7,108	458	1,994	4,715	10,474	536
39	MISCELLANEOUS MANUFACTURES	240	149	64	27	11,761	29,314	5,889	10,137	23,385	49,980	2,288
391	Jewelry and silverware	11	4	4	3	1,177	3,343	739	1,015	2,785	6,320	284
393	Musical instruments and parts	24	13	6	5	2,108	5,669	1,429	1,740	4,422	8,367	76
3939	Musical instruments, n.e.c.	19	11	5	3	1,515	4,319	1,107	1,209	3,249	6,318	53
394	Toys and sporting goods	44	30	8	6	2,349	5,978	1,460	2,054	4,727	10,276	454
3949	Sporting and athletic goods	25	19	5	1	553	1,541	340	465	1,208	1,638	57
3962	Artificial flowers	5	2	3	----------	153	333	172	128	250	650	17
3971	Plastics products, n.e.c.	26	13	7	6	2,421	6,011	466	2,108	4,965	9,839	874
399	Miscellaneous manufactures	116	75	35	6	3,349	7,718	1,573	2,917	6,035	14,000	552
3981	Brooms and brushes	12	5	6	1	545	1,055	256	474	876	3,058	61
3988	Morticians' goods	29	11	16	2	1,224	2,964	787	1,037	2,123	9,942	284
3993	Signs and advertising displays	48	42	5	1	872	2,205	286	772	1,763	3,594	102

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[3] In 1939, Motor vehicles and parts (Industry 3717) and Truck and bus bodies (Industry 3713) combined reported 26,612 production workers. Separate figures for each industry are not available.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	Industry: Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	CHICAGO METROPOLITAN AREA [Consists of Lake County, Indiana; Cook, Du Page, Kane, Lake, and Will Counties, Illinois]							
	All industries, total [2]	12,284	945,326	$2,993,068	756,115	$2,177,257	$5,529,062	$421,083
20	FOOD AND KINDRED PRODUCTS	1,178	98,808	300,597	76,514	209,318	714,614	39,430
201	Meat products	159	31,931	99,570	26,448	78,613	152,122	6,558
2011	Meat packing, wholesale	46	21,454	68,606	17,907	55,650	92,802	4,255
2021	Creamery butter	11	149	518	117	363	1,281	112
2023	Concentrated milk	6	129	459	95	287	1,478	146
2024	Ice cream and ices	54	1,783	5,651	1,036	2,596	13,152	1,910
203	Canning, preserving, and freezing	99	7,283	20,343	6,218	15,854	51,883	2,126
2032	Cured fish	11	224	527	183	342	823	47
2033	Canning and preserving, except fish	42	5,590	15,739	4,791	12,668	36,819	1,751
2035	Pickles and sauces	38	1,257	3,538	1,066	2,540	13,120	300
204	Grain-mill products	47	3,127	10,516	2,434	7,098	35,634	1,047
2042	Prepared animal feeds	26	1,459	4,644	1,141	3,237	13,091	418
205	Bakery products	226	15,971	46,763	10,766	26,883	82,414	4,063
2051	Bread and other bakery products	205	11,308	34,861	7,115	18,990	54,724	3,135
2052	Biscuit, crackers, and pretzels	21	4,663	11,902	3,651	7,893	27,690	928
207	Confectionery and related products	132	17,125	48,637	14,399	35,867	152,985	8,354
2071	Confectionery products	127	15,157	42,965	12,753	31,570	125,082	7,030
208	Beverages	140	6,568	22,588	4,112	12,265	58,517	5,053
2081	Bottled soft drinks	100	2,633	8,003	1,390	3,262	16,052	2,107
2082	Malt liquors	23	3,166	11,615	2,135	7,159	29,234	2,479
2084	Wines and brandy	5	139	488	92	257	1,709	51
209	Miscellaneous food preparations	295	14,319	44,263	10,600	28,812	160,618	9,586
2092	Shortening and cooking oils	8	1,009	3,216	758	2,171	24,549	195
2093	Oleomargarine	5	838	2,877	539	1,671	9,036	454
2095	Flavorings	60	1,462	4,944	989	2,543	20,840	418
2097	Manufactured ice	56	1,079	3,207	749	2,232	7,592	506
2099	Liquid, frozen, and dried eggs	12	493	963	459	779	2,194	32
	Food preparations, n.e.c.	123	4,442	13,284	2,998	6,866	42,449	1,473
21	TOBACCO MANUFACTURES	56	739	(d)	690	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	103	7,821	21,036	6,608	15,207	38,037	1,434
2241	Narrow fabric mills	7	903	1,831	749	1,186	3,595	95
225	Knitting mills	30	1,385	3,002	1,260	2,281	4,839	181
2261	Finishing textiles, except wool	12	367	1,298	320	854	1,848	295
227	Carpets and rugs	7	1,141	3,578	898	2,404	7,234	91
229	Miscellaneous textile goods	34	3,300	9,448	2,798	7,267	17,463	582
2295	Coated fabrics, except rubberized	7	140	399	95	225	723	123
23	APPAREL AND RELATED PRODUCTS	1,204	48,134	129,385	41,305	95,225	222,905	3,085
231	Men's and boys' suits and coats	128	12,335	37,685	10,386	29,272	57,675	534
232	Men's and boys' furnishings	161	5,151	11,673	4,677	9,264	19,900	246
2321	Men's dress shirts and nightwear	14	596	1,246	564	1,135	2,385	30
2323	Men's and boys' neckwear	21	363	967	300	594	1,631	3
2327	Separate trousers	55	1,672	4,022	1,516	3,210	6,928	101
2329	Men's and boys' clothing, n.e.c.	42	1,413	3,214	1,268	2,485	5,555	58
233	Women's and misses' outerwear	344	14,476	39,956	12,655	29,580	64,089	843
2333	Dresses, unit price	151	6,542	18,796	5,818	14,707	31,206	231
2334	Dresses, dozen price	50	4,009	8,705	3,505	5,410	13,017	335
234	Women's and children's undergarments	52	4,722	12,404	3,641	6,892	27,243	400
2341	Women's and children's underwear	30	875	2,329	767	1,516	4,773	79
2342	Corsets and allied garments	22	3,847	10,075	2,874	5,376	22,470	321
2351	Millinery	64	1,681	4,509	1,498	3,540	7,141	238
2363	Children's coats	5	132	231	122	191	320	2
2371	Fur goods	46	255	927	206	727	2,965	5
2382	Fabric and combination work gloves	5	192	409	181	367	654	22
2386	Leather and sheep-lined clothing	11	259	649	227	533	1,184	19
239	Miscellaneous fabricated textiles	322	6,638	15,435	5,779	11,084	31,554	632
2391	Curtains and draperies	24	383	825	338	663	1,596	31
2392	Housefurnishings, n.e.c.	87	1,952	4,587	1,691	3,142	8,593	177
2394	Canvas products	56	745	1,917	607	1,306	3,380	93
2395	Tucking, pleating, and hemstitching	30	456	916	409	758	1,473	15
2396	Trimmings and art goods	29	718	1,497	628	1,038	3,172	56
2398	Embroideries, except Schiffli-machine	20	374	832	348	632	1,425	11
2399	Fabricated textile products, n.e.c.	56	1,472	3,475	1,287	2,602	5,748	122
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	316	7,293	21,579	6,386	16,858	35,144	1,637
242	Lumber and timber basic products	7	100	328	86	260	459	11
243	Millwork and related products	105	2,128	7,281	1,730	5,268	11,238	494
2431	Millwork plants	95	1,764	6,172	1,438	4,477	9,565	414
244	Wooden containers	56	1,805	4,553	1,694	4,048	8,303	127
2444	Wooden boxes (except cigar boxes)	35	1,162	2,943	1,085	2,614	5,414	125
2445	Cooperage	14	595	1,546	562	1,370	2,773	2
249	Miscellaneous wood products	148	3,260	9,417	2,876	7,282	15,144	1,005
2499	Wood products, n.e.c.	111	1,234	3,367	1,128	2,715	6,244	243
25	FURNITURE AND FIXTURES	506	23,372	67,506	20,008	51,984	116,893	8,019
251	Household furniture	282	14,286	40,135	12,201	31,016	65,651	5,479
2511	Wood house furniture, except upholst.	116	5,415	14,458	4,659	11,768	22,744	4,027
2514	Metal house furniture, except upholst.	42	2,645	7,723	2,210	5,449	12,529	527
2515	Mattresses and bedsprings	48	3,286	9,068	2,793	6,718	15,719	414
252	Office furniture	21	1,633	4,544	1,416	3,597	8,419	1,089
2521	Wood office furniture	11	581	1,556	522	1,310	2,588	74
2522	Metal office furniture	10	1,052	2,988	894	2,287	5,831	1,015
2541	Partitions and fixtures	71	2,547	7,826	2,253	6,213	15,058	630
256	Screens, shades, and blinds	90	2,829	8,466	2,333	6,093	17,952	608
2563	Venetian blinds	47	837	1,724	726	1,313	2,784	48
2591	Restaurant furniture	16	415	1,383	365	1,131	2,031	32

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		CHICAGO METROPOLITAN AREA—Continued						
26	PAPER AND ALLIED PRODUCTS	288	22,169	$62,017	18,568	$45,308	$122,656	$9,475
261	Pulp, paper, and paperboard	11	1,339	4,363	1,228	4,027	8,408	955
267	Paperboard containers and boxes	134	9,773	26,776	8,272	20,152	59,413	3,653
269	Pulp goods and misc. paper products	96	7,661	20,249	6,359	14,223	34,796	3,717
2693	Wallpaper	10	1,152	3,009	1,039	2,537	5,308	738
2699	Converted paper products, n.e.c.	65	5,633	14,610	4,618	9,878	25,334	2,734
27	PRINTING AND PUBLISHING INDUSTRIES	1,884	82,470	299,699	54,675	189,871	498,878	24,186
2711	Newspapers	127	11,838	48,430	5,712	24,387	81,383	1,795
2721	Periodicals	239	6,639	23,028	1,358	4,178	53,360	1,300
273	Books	92	7,398	23,285	1,684	5,612	52,210	735
2731	Books: publishing and printing	83	6,040	17,545	474	1,217	44,371	253
2732	Book printing	9	1,358	5,740	1,210	4,395	7,839	482
2751	Commercial printing	852	34,271	125,440	29,113	100,439	183,398	15,624
2761	Lithographing	129	6,498	24,475	5,312	17,903	42,604	2,416
278	Bookbinding and related industries	147	4,838	12,212	4,137	9,780	20,100	686
2789	Miscellaneous bookbinding work	37	822	1,930	697	1,420	3,509	883
279	Printing trades service industries	221	6,000	29,268	4,650	21,933	41,395	1,312
2793	Photoengraving	58	2,360	12,663	1,707	8,856	17,801	607
2794	Electrotyping and stereotyping	30	1,640	8,589	1,325	6,781	11,211	353
28	CHEMICALS AND ALLIED PRODUCTS	687	37,807	122,207	26,300	71,426	385,123	30,676
2819	Inorganic chemicals, n.e.c.	18	3,010	10,251	2,499	7,034	24,502	3,944
282	Industrial organic chemicals	17	3,129	10,023	2,300	6,584	27,555	3,097
2821	Cyclic (coal-tar) crudes	4	210	675	155	475	2,168	(d)
2829	Organic chemicals, n.e.c.	7	998	3,577	709	2,399	11,791	(d)
283	Drugs and medicines	95	7,061	20,492	4,360	9,754	67,922	6,961
2834	Pharmaceutical preparations	84	5,905	16,709	3,721	8,173	61,356	6,502
284	Soap and related products	115	6,040	20,282	4,299	12,347	81,386	5,093
2841	Soap and glycerin	21	4,445	15,402	3,467	10,384	66,814	4,281
285	Paints and allied products	132	7,494	27,124	5,045	14,920	67,485	5,888
2851	Paints and varnishes	114	6,532	24,049	4,222	12,470	60,750	5,242
2852	Inorganic color pigments	10	889	2,851	759	2,258	5,966	631
2871	Fertilizers	5	555	1,443	474	1,106	4,445	506
288	Vegetable and animal oils	18	2,246	6,822	1,587	4,498	33,162	1,291
2883	Soybean oil mills	3	755	2,508	550	1,622	19,848	327
2886	Grease and tallow	11	1,266	3,695	844	2,396	11,212	729
289	Miscellaneous chemical products	282	8,188	25,540	5,671	14,149	78,300	3,882
2891	Printing ink	41	1,340	4,775	922	2,761	12,675	1,115
2893	Toilet preparations	87	2,316	6,531	1,476	2,783	23,114	505
2894	Glue and gelatin	10	1,073	3,334	854	2,305	7,984	301
2899	Chemical products, n.e.c.	127	2,891	9,256	1,993	5,044	29,629	1,706
29	PETROLEUM AND COAL PRODUCTS	80	23,327	82,542	18,878	63,633	181,044	72,166
2911	Petroleum refining	11	13,772	51,895	10,695	38,994	102,868	68,108
2932	Byproduct coke ovens	10	5,136	16,769	4,603	14,406	40,336	1,169
295	Paving and roofing materials	35	3,822	11,803	3,210	9,193	29,087	2,700
2952	Roofing felts and coatings	28	3,731	11,467	3,150	8,977	28,306	2,584
299	Miscellaneous petroleum and coal products	24	597	2,075	370	1,040	8,753	189
30	RUBBER PRODUCTS	47	3,344	(d)	2,710	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	208	12,914	37,256	11,292	29,186	65,804	1,158
3131	Footwear cut stock	16	408	1,033	327	718	2,087	21
314	Footwear (except rubber)	31	5,250	14,533	4,415	10,692	21,229	162
3152	Leather work gloves	7	150	284	128	233	474	17
319	Miscellaneous leather goods	34	575	1,441	494	1,003	2,154	49
32	STONE, CLAY, AND GLASS PRODUCTS	395	17,032	49,601	14,279	37,816	93,650	6,200
322	Pressed and blown glassware	3	778	1,878	697	1,636	2,285	488
325	Structural clay products	15	1,081	3,314	986	3,000	6,020	706
326	Pottery and related products	17	1,041	2,839	885	2,019	5,557	255
3265	China decorating for the trade	6	363	916	292	570	2,314	48
327	Concrete and plaster products	106	1,607	4,705	1,360	3,669	9,595	1,157
3271	Concrete products	95	1,058	3,221	885	2,480	5,781	836
329	Miscellaneous nonmetallic mineral products	134	9,233	27,568	7,556	20,341	54,165	2,977
3295	Minerals: ground or treated	10	331	1,027	278	744	1,884	318
33	PRIMARY METAL INDUSTRIES	332	117,815	400,825	101,358	328,314	678,036	81,661
331	Blast furnaces and steel mills	24	73,848	249,980	63,986	210,218	423,568	62,721
3311	Blast furnaces	8	5,928	18,089	5,228	15,025	62,903	(d)
3312	Steel works and rolling mills	16	67,920	231,891	58,758	195,193	360,665	(d)
332	Iron and steel foundries	68	14,379	45,991	12,674	37,665	63,627	3,985
3321	Gray-iron foundries	49	5,966	18,584	5,337	15,388	27,229	2,000
3322	Malleable-iron foundries	4	2,693	8,563	2,426	7,303	10,590	992
3323	Steel foundries	15	5,720	18,844	4,911	14,974	25,808	993
3341	Secondary nonferrous metals	35	3,437	11,988	2,688	7,685	26,127	1,013
3359	Nonferrous metal rolling, n.e.c.	5	229	746	191	500	2,498	101
3361	Nonferrous foundries	121	6,266	20,537	5,515	16,437	32,881	1,268
339	Miscellaneous primary metal industries	74	16,297	60,323	13,592	47,275	112,826	12,071
3391	Iron and steel forgings	25	7,057	28,488	6,113	23,275	45,487	2,095
3392	Wire drawing	16	5,228	18,261	4,284	14,310	38,410	7,872
3393	Welded and heavy-riveted pipe	3	836	2,797	631	1,823	6,035	272
3399	Primary metal industries, n.e.c.	30	3,176	10,777	2,564	7,867	22,894	1,832

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		CHICAGO METROPOLITAN AREA—Continued						
34	FABRICATED METAL PRODUCTS	1,654	90,222	$279,666	75,829	$214,498	$495,435	$29,202
3411	Tin cans and other tinware	22	10,657	31,184	9,352	26,447	54,477	4,261
342	Cutlery, hand tools, and hardware	139	8,314	26,144	6,703	18,877	45,000	1,883
3422	Edge tools	14	388	1,219	326	851	2,149	96
3423	Hand tools, n.e.c.	47	4,344	14,686	3,460	10,636	23,784	1,204
3425	Hand saws and saw blades	8	276	791	217	609	1,197	73
3429	Hardware, n.e.c.	64	3,224	9,256	2,634	6,635	17,483	502
343	Heating and plumbing equipment	76	4,822	15,943	3,825	11,398	29,978	2,067
3431	Metal plumbing fixtures and fittings	28	963	3,124	769	2,246	5,412	264
3432	Oil burners	9	306	1,159	227	664	2,879	131
3439	Heating and cooking apparatus, n.e.c.	39	3,553	11,660	2,829	8,488	21,687	1,672
344	Structural metal products	289	13,746	46,773	11,401	36,362	85,139	3,922
3441	Structural and ornamental products	112	6,975	23,701	5,813	18,677	41,384	1,638
3443	Boiler shop products	46	2,710	9,619	2,301	7,631	21,087	930
346	Metal stamping and coating	541	19,911	59,975	17,232	46,812	101,014	6,367
3463	Metal stampings	272	13,853	42,173	11,843	32,036	71,361	4,796
3465	Enameling and lacquering	45	1,169	3,066	1,031	2,470	5,127	523
3467	Engraving on metal	25	769	2,321	657	1,819	3,906	312
3468	Plating and polishing	183	3,705	11,143	3,335	9,463	18,119	639
3471	Lighting fixtures	187	8,402	23,393	6,882	16,206	44,344	1,430
348	Fabricated wire products	117	7,542	21,845	6,573	17,351	36,374	1,890
349	Miscellaneous fabricated metal products	283	16,828	54,409	13,861	41,045	99,109	7,382
3491	Metals barrels, drums, and pails	6	1,296	3,979	1,044	2,828	8,335	453
3493	Steel springs	9	1,636	5,426	1,391	4,241	11,418	610
3494	Bolts, nuts, washers, and rivets	53	7,343	23,509	5,845	17,120	40,200	3,121
3495	Screw-machine products	169	5,325	17,892	4,574	14,179	31,191	2,765
3499	Fabricated metal products, n.e.c.	41	1,084	3,287	883	2,438	7,443	404
35	MACHINERY (EXCEPT ELECTRICAL)	1,457	133,524	443,452	105,292	322,545	700,787	42,488
3519	Internal-combustion engines	8	8,571	27,271	6,171	18,655	28,238	8,031
352	Tractors and farm machinery	34	18,872	58,376	15,527	45,708	75,422	4,529
353	Construction and mining machinery	30	6,613	21,956	4,818	14,615	35,396	1,922
354	Metalworking machinery	386	18,464	64,826	14,552	45,709	113,432	6,439
3541	Machine tools	12	1,092	3,628	916	2,367	5,456	269
3542	Metalworking machinery, n.e.c.	61	7,921	29,112	5,948	19,028	58,252	3,880
3543	Cutting tools, jigs, fixtures, etc.	313	9,451	32,086	7,688	24,314	49,724	2,290
355	Special-industry machinery, n.e.c.	309	14,839	53,183	11,463	38,322	81,057	4,539
3551	Food-products machinery	63	4,920	15,662	3,698	11,489	24,330	1,887
3553	Woodworking machinery	13	437	1,532	335	987	2,964	48
3555	Printing-trades machinery	52	5,025	18,994	4,074	14,686	27,485	1,348
3559	Special-industry machinery, n.e.c.	177	4,347	16,366	3,272	10,877	25,589	1,243
356	General industrial machinery	204	18,412	64,418	13,768	43,631	110,860	4,284
3561	Pumps and compressors	29	3,004	10,232	2,064	6,075	19,535	700
3563	Conveyors	28	4,463	16,588	3,297	11,536	25,037	677
3566	Power-transmission equipment	52	4,563	15,918	3,808	11,809	25,157	1,104
357	Office and store machines	72	9,691	28,832	8,245	21,647	54,392	1,707
3576	Scales and balances	9	614	1,757	527	1,274	3,340	115
3579	Office and store machines, n.e.c.	52	6,400	18,857	5,589	14,481	37,536	1,168
358	Service and household machines	97	15,550	48,806	12,223	35,041	81,918	6,915
3581	Domestic laundry equipment	7	4,959	14,079	4,119	11,073	27,734	2,356
3584	Vacuum cleaners	6	1,124	3,786	885	2,625	6,357	373
3585	Refrigeration machinery	37	4,130	13,059	3,296	9,263	17,092	266
359	Miscellaneous machinery parts	317	22,512	75,784	18,525	59,217	120,072	4,122
3591	Valves and fittings, except plumbers'	44	14,921	51,876	12,450	41,652	81,365	2,423
3599	Machine shops	248	4,287	13,023	3,421	9,378	21,774	1,070
36	ELECTRICAL MACHINERY	527	116,834	351,988	93,437	249,962	624,389	39,522
361	Electrical industrial apparatus	192	18,185	52,631	14,921	37,470	94,013	5,232
3611	Wiring devices and supplies	38	4,456	14,847	3,733	10,634	31,898	2,000
3614	Motors and generators	20	1,339	3,571	1,076	2,293	5,327	650
3617	Electrical welding apparatus	10	782	2,802	547	1,501	4,489	104
3619	Electrical industrial apparatus, n.e.c.	33	2,395	5,665	2,096	4,491	8,052	421
3621	Electrical appliances	40	11,157	35,651	9,263	27,203	74,567	6,590
3641	Engine electrical equipment	16	1,906	5,003	1,607	3,953	6,776	451
366	Communication equipment	199	80,432	244,696	63,572	171,566	416,932	25,075
369	Miscellaneous electrical products	60	3,836	10,995	2,912	7,454	27,422	1,994
3691	Storage batteries	15	530	1,722	434	1,168	4,918	(d)
37	TRANSPORTATION EQUIPMENT	175	42,170	141,020	34,160	106,689	236,237	15,268
371	Motor vehicles and equipment	114	13,714	44,255	11,152	32,286	92,762	5,705
3717	Motor vehicles and parts	75	11,807	37,925	9,477	27,150	81,102	5,044
3713	Truck and bus bodies	19	566	1,917	492	1,485	3,148	93
373	Ships and boats	8	335	1,046	301	855	1,407	20
3732	Boat building and repairing	6	195	601	175	504	896	15
374	Railroad equipment	33	24,783	85,267	19,844	65,045	124,457	8,741
3751	Motorcycles and bicycles	10	2,326	7,261	2,118	6,363	12,131	314
38	INSTRUMENTS AND RELATED PRODUCTS	281	25,240	74,505	19,236	49,466	123,221	4,340
3811	Scientific instruments	23	2,146	6,059	1,604	4,044	9,060	357
384	Medical instruments and supplies	109	5,832	16,799	4,071	10,125	32,327	1,039
3841	Surgical and medical instruments	16	506	1,367	388	924	1,957	28
3851	Ophthalmic goods	8	128	284	110	218	529	6

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	CHICAGO METROPOLITAN AREA—Continued							
39	MISCELLANEOUS MANUFACTURES	906	34,291	$96,932	28,590	$71,448	$172,746	$8,602
3911	Jewelry (precious metal)	43	640	2,232	497	1,613	3,748	46
393	Musical instruments and parts	49	2,952	8,670	2,615	7,097	13,976	670
394	Toys and sporting goods	138	4,864	13,045	4,327	10,266	25,326	1,083
3941	Games and toys, n.e.c.	67	1,620	3,773	1,416	2,776	7,401	437
3943	Children's vehicles	6	868	2,580	795	2,062	6,460	184
3949	Sporting and athletic goods	61	2,360	6,673	2,100	5,409	11,432	462
395	Office supplies	80	4,124	11,880	3,204	8,209	23,849	1,504
3951	Pens and mechanical pencils	21	3,108	9,013	2,469	6,257	17,731	1,325
3953	Hand stamps and stencils	40	574	1,708	406	1,133	2,577	123
3955	Carbon paper and inked ribbons	10	362	951	264	653	3,121	55
3963	Buttons	8	231	552	190	373	803	33
3971	Plastics products, n.e.c.	150	6,377	17,752	5,561	14,054	31,043	2,585
399	Miscellaneous manufactures	370	12,223	34,403	9,877	23,980	59,066	2,132
3981	Brooms and brushes	37	1,083	2,658	873	1,597	6,206	301
3985	Fireworks and pyrotechnics	3	112	240	104	203	328	27
3986	Jewelry and instrument cases	12	694	1,430	590	1,138	2,599	69
3987	Lamp shades	42	931	1,849	841	1,558	3,064	38
3988	Morticians' goods	38	1,446	4,610	1,150	3,189	7,412	194
3993	Signs and advertising displays	131	3,337	10,231	2,769	7,220	16,788	629
3999	Miscellaneous products, n.e.c.	49	1,139	3,106	895	2,088	5,752	291
	INDIANAPOLIS METROPOLITAN AREA [Consists of Marion County, Indiana]							
	All industries, total [2]	944	92,649	$279,361	73,168	$198,676	$484,860	$43,610
20	Food and kindred products	134	10,925	30,080	7,806	19,316	67,022	5,033
201	Meat products	18	4,131	12,128	3,188	8,711	25,798	1,581
202	Dairy products	11	362	914	251	546	3,303	239
2024	Ice cream and ices	7	204	509	128	263	1,558	127
204	Grain-mill products	10	697	2,140	510	1,315	2,725	356
2051	Bread and other bakery products	31	2,347	6,830	1,339	2,960	10,760	745
208	Beverages	18	633	1,817	319	682	2,941	957
209	Miscellaneous food preparations	32	1,122	2,668	718	1,992	11,211	830
22	Textile mill products	7	1,888	4,849	1,712	4,121	8,797	354
23	Apparel and related products	34	2,197	4,707	1,983	3,650	9,950	134
232	Men's and boys' furnishings	9	434	785	379	547	1,339	14
2329	Men's and boys' clothing, n.e.c.	5	346	576	304	438	981	14
239	Miscellaneous fabricated textiles	14	546	1,172	486	827	2,375	48
24	Lumber and products, except furniture	28	647	1,421	587	1,215	2,172	87
242	Lumber and timber basic products	4	100	180	85	150	180	7
244	Wooden containers	8	186	432	171	364	809	13
25	Furniture and fixtures	29	1,306	3,211	1,144	2,519	5,894	279
251	Household furniture	16	965	2,291	854	1,774	4,608	111
2511	Wood house furniture, except upholst.	8	295	709	269	580	1,003	20
2515	Mattresses and bedsprings	4	124	304	107	234	576	19
26	Paper and allied products	15	1,977	5,521	1,690	4,267	12,313	738
2671	Paperboard boxes	8	1,158	3,329	1,013	2,709	7,780	283
27	Printing and publishing industries	164	4,796	15,167	2,772	8,623	27,833	1,038
2711	Newspapers	15	1,585	5,398	615	2,459	9,914	210
2721	Periodicals	21	405	1,165	90	305	4,377	4
2741	Miscellaneous publishing	6	129	318	55	144	637	14
2751	Commercial printing	80	1,172	3,344	941	2,473	5,399	309
2761	Lithographing	8	397	1,305	303	914	1,910	231
278	Bookbinding and related industries	8	125	239	112	203	393	29
279	Printing trades service industries	19	574	2,180	430	1,554	3,157	184
2793	Photoengraving	6	220	1,040	138	662	1,374	33
2794	Electrotyping and stereotyping	3	170	562	137	448	871	82
28	Chemicals and allied products	67	8,721	30,002	5,832	15,370	79,149	14,359
2842	Cleaning and polishing preparations	8	257	621	197	419	3,062	31
2851	Paints and varnishes	13	657	2,305	382	983	5,231	807
287	Fertilizers	5	252	633	221	518	2,503	(d)
289	Miscellaneous chemical products	21	548	1,487	345	734	3,240	127
2899	Chemical products, n.e.c.	10	104	358	72	206	561	5
29	Petroleum and coal products	8	797	2,574	624	1,944	5,121	(d)
30	Rubber products	6	3,171	(d)	2,570	(d)	(d)	(d)
31	Leather and leather products	10	161	(d)	133	(d)	(d)	(d)
32	Stone, clay, and glass products	30	944	2,323	830	1,890	5,028	504
3271	Concrete products	16	149	387	126	285	748	83
33	Primary metal industries	34	4,382	13,090	3,921	11,313	16,942	2,385
332	Iron and steel foundries	13	2,789	8,336	2,567	7,499	9,418	1,811
3361	Nonferrous foundries	8	266	761	232	622	978	36
339	Miscellaneous primary metal industries	8	313	1,010	259	753	1,570	147
34	Fabricated metal products	103	8,795	25,148	7,557	19,746	38,066	3,003
342	Cutlery, hand tools, and hardware	10	1,912	5,664	1,701	4,544	8,808	1,010
3439	Heating and cooking apparatus, n.e.c.	9	701	2,060	545	1,371	3,488	294
344	Structural metal products	26	3,122	9,141	2,570	7,077	10,309	693
3441	Structural and ornamental products	7	401	1,480	247	690	1,722	75
3443	Boiler shop products	8	1,574	4,428	1,294	3,458	4,187	253
346	Metal stamping and coating	33	2,021	5,518	1,826	4,517	10,003	387
3463	Metal stampings	18	1,431	4,100	1,296	3,340	7,566	314
3489	Wirework, n.e.c.	5	192	507	168	384	767	32

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	INDIANAPOLIS METROPOLITAN AREA—Continued							
35	Machinery (except electrical)	161	17,794	$56,654	15,195	$43,592	$83,598	$6,070
354	Metalworking machinery	51	895	3,547	751	2,805	4,689	208
3543	Cutting tools, jigs, fixtures, etc.	45	811	3,269	685	2,599	4,297	184
355	Special-industry machinery, n.e.c.	29	815	2,552	691	2,075	4,007	95
3551	Food-products machinery	8	460	1,347	386	1,061	1,916	52
3559	Special-industry machinery, n.e.c.	13	177	672	157	593	1,135	12
356	General industrial machinery	27	7,559	23,270	6,332	16,804	38,392	2,126
3561	Pumps and compressors	6	338	1,050	246	709	1,799	(d)
3566	Power-transmission equipment	11	6,698	21,045	5,772	15,334	34,942	1,174
359	Miscellaneous machinery parts	32	1,223	3,770	1,021	2,909	5,847	474
36	Electrical machinery	26	8,268	23,119	6,570	15,953	43,456	1,918
3621	Electrical appliances	4	103	275	83	149	499	76
3661	Radios and related products	5	5,020	14,408	3,787	9,333	21,316	1,392
37	Transportation equipment	24	13,330	45,202	10,099	32,116	53,732	4,229
38	Instruments and related products	12	645	2,018	522	1,424	2,624	72
39	Miscellaneous manufactures	52	1,905	4,636	1,621	3,602	8,949	265
399	Miscellaneous manufactures	30	1,056	2,435	923	1,865	4,079	107
3988	Morticians' goods	4	100	274	79	162	343	31
3993	Signs and advertising displays	15	562	1,380	496	1,063	2,217	25
	SOUTH BEND METROPOLITAN AREA [Consists of St. Joseph County, Indiana]							
	All industries, total [2]	259	44,139	$144,419	37,158	$117,504	$234,908	$13,617
20	Food and kindred products	45	1,492	4,713	1,086	3,088	9,973	1,248
201	Meat products	6	332	923	271	720	776	28
2051	Bread and other bakery products	15	400	1,409	261	668	2,030	120
2081	Bottled soft drinks	9	114	258	55	94	536	200
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	5	923	2,075	800	1,752	2,667	71
23	Apparel and related products	13	1,930	3,974	1,723	3,219	6,542	212
232	Men's and boys' furnishings	5	1,493	3,059	1,322	2,428	5,381	154
24	Lumber and products, except furniture	8	256	836	194	556	1,092	36
249	Miscellaneous wood products	4	137	512	123	381	749	25
25	Furniture and fixtures	7	1,450	(d)	1,282	(d)	(d)	(d)
26	Paper and allied products	5	374	1,057	314	730	2,233	65
27	Printing and publishing industries	41	624	1,943	382	1,142	3,731	166
2751	Commercial printing	20	179	575	145	390	913	48
28	Chemicals and allied products	6	264	(d)	181	(d)	(d)	(d)
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	7	66	169	59	145	238	27
33	Primary metal industries	11	401	1,467	360	1,255	2,303	207
34	Fabricated metal products	27	731	2,311	607	1,619	3,248	253
344	Structural metal products	5	217	699	168	484	870	81
346	Metal stamping and coating	6	161	521	139	350	806	83
349	Miscellaneous fabricated metal products	10	156	542	135	379	812	64
35	Machinery (except electrical)	53	6,993	22,855	5,532	16,664	33,460	3,224
354	Metalworking machinery	21	1,554	5,928	1,282	4,735	9,465	515
3599	Machine shops	14	203	612	172	449	914	45
36	Electrical machinery	3	313	902	282	762	1,865	(d)
361	Electrical industrial apparatus	3	313	902	282	762	1,865	(d)
37	Transportation equipment	9	21,639	(d)	18,879	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	12	654	1,839	564	1,533	2,682	135

d Withheld to avoid disclosing figures for individual companies.

[1] Industry statistics for the *Louisville Metropolitan Area* (consisting of Clark and Floyd Counties, Indiana; Jefferson County, Kentucky) are shown in table 5 for the State of *Kentucky*.

[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. *Marion* and *St. Joseph* Counties, both principal industrial counties, are coextensive with the *Indianapolis* and *South Bend* Metropolitan Areas, respectively. Their industry statistics are shown, therefore, in *table 5*]

INDUSTRY GROUP		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	ALLEN COUNTY							
	All industries, total [1]	267	38,972	$113,606	30,085	$82,234	$224,377	$15,535
20	Food and kindred products	53	3,176	9,393	2,359	6,145	20,683	1,700
201	Meat products	7	639	2,003	501	1,447	4,150	312
202	Dairy products	6	396	1,057	299	693	3,619	174
205	Bakery products	16	855	2,440	600	1,410	3,596	397
208	Beverages	13	850	2,683	652	1,878	6,486	420
21	Tobacco manufactures	3	44	(d)	42	(d)	(d)	(d)
22	Textile mill products	3	1,302	(d)	1,171	(d)	(d)	(d)
23	Apparel and related products	10	857	1,812	795	1,572	2,787	24
24	Lumber and products, except furniture	10	220	441	190	334	638	10
25	Furniture and fixtures	13	296	719	262	569	1,369	32
26	Paper and allied products	3	335	(d)	283	(d)	(d)	(d)
27	Printing and publishing industries	28	816	2,550	515	1,531	4,906	204
275	Commercial printing	16	249	692	198	453	1,044	88
28	Chemicals and allied products	11	226	713	162	382	1,390	142
29	Petroleum and coal products	3	9	(d)	7	(d)	(d)	(d)
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	2	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	10	66	183	54	135	288	24
33	Primary metal industries	14	2,866	9,709	2,459	7,923	19,272	2,466
34	Fabricated metal products	23	609	1,928	500	1,328	3,567	169
346	Metal stamping and coating	8	190	580	171	475	957	81
35	Machinery (except electrical)	52	7,530	23,572	5,577	15,897	38,933	2,382
354	Metalworking machinery	21	332	1,018	292	830	1,715	134
355	Special industry machinery, n.e.c.	10	159	488	134	362	913	(d)
358	Service and household machines	5	5,888	18,382	4,183	11,747	30,589	1,477
36	Electrical machinery	12	13,044	(d)	10,110	(d)	(d)	(d)
37	Transportation equipment	6	7,092	(d)	5,245	(d)	(d)	(d)
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	7	227	(d)	188	(d)	(d)	(d)
	LAKE COUNTY							
	All industries, total [1]	284	92,890	$313,859	78,272	$252,818	$587,378	$125,538
20	Food and kindred products	55	2,442	7,795	1,773	5,041	20,561	2,028
201	Meat products	9	154	443	123	297	822	24
205	Bakery products	13	372	1,079	202	473	1,651	73
208	Beverages	13	180	528	114	230	916	164
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	3	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	7	925	1,776	851	1,487	3,824	42
24	Lumber and products, except furniture	5	94	219	89	192	399	13
25	Furniture and fixtures	7	160	(d)	153	(d)	(d)	(d)
26	Paper and allied products	3	137	(d)	124	(d)	(d)	(d)
27	Printing and publishing industries	30	1,397	5,573	1,156	4,043	8,612	347
28	Chemicals and allied products	23	3,530	12,442	2,915	9,487	53,439	3,294
285	Paints and allied products	5	530	1,667	446	1,265	2,896	164
29	Petroleum and coal products	10	15,146	55,336	12,091	42,370	102,776	66,239
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	23	2,195	6,705	1,916	5,493	13,319	388
327	Concrete and plaster products	14	466	1,492	397	1,104	3,119	178
33	Primary metal industries	26	52,161	178,303	45,006	148,486	305,039	46,907
331	Blast furnaces and steel mills	8	46,112	157,146	39,820	132,017	271,825	45,091
332	Iron and steel foundries	6	3,004	10,122	2,596	7,986	11,936	327
34	Fabricated metal products	32	5,225	15,746	4,564	13,498	28,670	1,570
346	Metal stamping and coating	5	104	344	89	238	746	56
349	Miscellaneous fabricated metal products	7	1,560	4,259	1,339	3,431	8,808	333
35	Machinery (except electrical)	29	1,755	5,437	1,363	3,833	10,087	373
359	Miscellaneous machinery parts	10	989	3,148	752	2,217	6,374	200
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	10	6,207	20,316	4,896	15,539	31,944	3,571
38	Instruments and related products	3	19	(d)	15	(d)	(d)	(d)
39	Miscellaneous manufactures	13	721	(d)	644	(d)	(d)	(d)

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	MADISON COUNTY							
	All industries, total [1]	148	26,048	$73,449	22,583	$59,757	$125,395	$7,029
20	Food and kindred products	36	1,047	2,286	883	1,758	4,617	332
203	Canning, preserving, and freezing	15	416	593	381	498	1,238	77
205	Bakery products	3	170	521	124	313	1,113	50
23	Apparel and related products	4	339	(d)	327	(d)	(d)	(d)
24	Lumber and products, except furniture	2	(d)	(d)	(d)	(d)	(d)	(d)
25	Furniture and fixtures	4	313	974	253	609	1,696	119
26	Paper and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	17	533	1,287	320	778	1,931	163
271	Newspapers	5	185	516	91	277	989	7
28	Chemicals and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	17	977	2,674	846	2,169	5,110	(d)
33	Primary metal industries	11	778	(d)	690	(d)	(d)	(d)
332	Iron and steel foundries	5	286	782	270	722	1,095	109
34	Fabricated metal products	20	6,979	19,253	6,152	16,102	32,257	2,209
35	Machinery (except electrical)	17	1,271	3,812	979	2,415	6,275	200
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	3	214	615	190	526	999	26
371	Motor vehicles and equipment	3	214	615	190	526	999	26
38	Instruments and related products	3	16	(d)	15	(d)	(d)	(d)
39	Miscellaneous manufactures	7	69	268	58	195	359	1
	VANDERBURGH COUNTY							
	All industries, total [1]	193	28,935	$81,338	23,845	$62,162	$145,136	$13,831
20	Food and kindred products	45	2,951	8,739	2,204	5,990	18,538	1,744
205	Bakery products	8	249	725	183	432	1,372	96
208	Beverages	11	1,098	3,305	889	2,488	8,636	429
21	Tobacco manufactures	3	1,210	2,228	1,176	1,961	3,767	2
212	Cigars	3	1,210	2,228	1,176	1,961	3,767	2
23	Apparel and related products	4	561	1,011	493	695	1,432	41
24	Lumber and products, except furniture	14	434	1,236	405	1,105	2,392	129
25	Furniture and fixtures	18	1,120	2,791	1,018	2,268	4,339	198
26	Paper and allied products	3	224	(d)	191	(d)	(d)	(d)
27	Printing and publishing industries	17	666	2,043	462	1,393	4,142	22
28	Chemicals and allied products	12	968	(d)	908	(d)	(d)	(d)
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	15	471	1,273	429	1,024	1,740	364
33	Primary metal industries	2	(d)	(d)	(d)	(d)	(d)	(d)
34	Fabricated metal products	19	3,322	9,375	2,705	6,556	16,472	831
346	Metal stamping and coating	7	1,361	3,996	1,092	2,880	6,331	424
35	Machinery (except electrical)	24	13,877	41,110	11,166	31,677	58,000	9,874
354	Metalworking machinery	6	122	422	105	358	601	14
358	Service and household machines	6	12,040	35,568	9,592	26,975	47,438	9,306
37	Transportation equipment	3	2,370	(d)	2,056	(d)	(d)	(d)
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	10	651	1,800	533	1,394	1,802	223

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	5,408	1,117	13	35	172	347	264	78	729	230	31	31	34	411	244	470	641	121	159	41	240
1-19 employees	3,218	752	8	9	58	251	89	13	581	147	11	9	18	295	92	251	373	35	49	28	149
20-99 employees	1,363	290	3	6	62	75	109	33	119	61	9	4	9	69	67	137	160	31	47	8	64
100 employees and over	827	75	2	20	52	21	66	32	29	22	11	18	7	47	85	82	108	55	63	5	27
Adams:																					
1-19 employees	12	4			1	2			1					2		1					1
20-99 employees	17	4			2	2	2		3					2	1						1
100 employees and over	4	1					1			1								1			
Allen:																					
1-19 employees	161	29	2		6	6	8	1	21	8	3	1	2	10	5	17	31	2	1	2	6
20-99 employees	65	16	1	1	2	4	5	1	4	3					3	4	14	5	2		
100 employees and over	41	8		2	2			1	3			1			6	2	7	5	3		1
Bartholomew:																					
1-19 employees	34	5			1	4	2	1	5	1			1	4		5	3	1			1
20-99 employees	18	7					1		1	1						3	4				1
100 employees and over	12	1			1		2						1		1		3	3			
Benton:																					
1-19 employees	9	4				1			2					1			1				
20-99 employees	1								1												
Blackford:																					
1-19 employees	15	4				2			3					1	2		2				1
20-99 employees	5	2			1				1					1							
100 employees and over	7					1		3						2		1					
Boone:																					
1-19 employees	17	6				1			3	1				2		2	2				
20-99 employees	5	2			1				1								1				
100 employees and over	5				1					1							2		1		
Brown:																					
1-19 employees	5					3			1					1							
Carroll:																					
1-19 employees	18	4				2			3	1				3	1	2		1			1
20-99 employees	4					1	1									2					
100 employees and over	2						1									1					
Cass:																					
1-19 employees	43	15			1	4	2		4	1				2	1	5	4	1	1		2
20-99 employees	13	3							2	1	1				1	2	1		1		1
100 employees and over	5				1											1	1	1	1		
Clark:																					
1-19 employees	25	5				4			5	2				7	1						1
20-99 employees	8	2					1			3					1				1		
100 employees and over	5				1	1				1				1					1		
Clay:																					
1-19 employees	23	4	1			2			5	1				8		1	1				
20-99 employees	7	1				1	1			1				2			1				
100 employees and over	7													7							
Clinton:																					
1-19 employees	16	5				1	2	1	2					2			2				1
20-99 employees	10	3	1			1	1		1	2							1				
100 employees and over	4				1											1	1		1		
Crawford:																					
1-19 employees	8	1				4	1		1					1							
20-99 employees	1						1														
Daviess:																					
1-19 employees	17	7				1			4					5							
20-99 employees	5	3				1		1													
100 employees and over	3	1										1					1				
Dearborn:																					
1-19 employees	16	5				1			4					3			1		1		1
20-99 empoyees	3	1					1	1													
100 employees and over	11	2				1	1			1					1	1	3				1
Decatur:																					
1-19 employees	15	5				3			1	2				1			1	1			1
20-99 employees	3	2							1												
100 employees and over	1															1					
De Kalb:																					
1-19 employees	44	13			1	5			6	1				1		5	6			1	5
20-99 employees	14	1			2				2			1			2	1	2	1	1		1
100 employees and over	6								1			1			1	1	1		1		
Delaware:																					
1-19 employees	74	15					1	1	12	2		1	1	8	1	7	20				5
20-99 employees	40	10			2			2	2					2	1	10	10	1			
100 employees and over	31	1			1		3	1	1			2		2	6	6	2	1	3		2
Dubois:																					
1-19 employees	36	15				7	6		5	1				1					1		
20-99 employees	21	1				6	10							2					2		
100 employees and over	11				1	1	8											1			
Elkhart:																					
1-19 employees	132	21			2	2	2	1	18	2				10	4	19	24	8	10		9
20-99 employees	73	7			3	3	5	1	2						6	11	11	2	16		6
100 employees and over	36	2			1	2	5	3		1		4			2	2	4	1	5	1	3
Fayette:																					
1-19 employees	16	4				1			2	2				2		3	2				
20-99 employees	4								1							1	1				1
100 employees and over	7															2	3		2		
Floyd:																					
1-19 employees	36	4		1		6	3		6	2			1	2	3	6	2				
20-99 employees	21	1			1	2	3		1	3			2	1	4		3				
100 employees and over	8				2	5															
Fountain:																			1		
1-19 employees	6	2			1	1			2												
20-99 employees	4	1																			
100 employees and over	3						1							2							1
															2						

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Franklin:																					
1-19 employees	8	3				1			2		2										
20-99 employees	4				1			1											1		1
Fulton:																					
1-19 employees	16	6				2	1		3	2				2							
20-99 employees	6	3							1						1	1					
100 employees and over	2				1											1					
Gibson:																					
1-19 employees	20	7							6					5			1			1	
20-99 employees	2	1							1												
100 employees and over	4	1																1		1	1
Grant:																					
1-19 employees	62	16			3	2	1	2	11	1	1			6	4	2	7	1	1		4
20-99 employees	21	5			2		1	2	2	1					2	2	1	2	1		
100 employees and over	28	5					2	4					1	4	7	1	1	2	1		
Greene:																					
1-19 employees	22	6			1	3			4	1				4		1	2				
20-99 employees	3				1					1				1							
100 employees and over	1						1														
Hamilton:																					
1-19 employees	23	6					1		4	1				5	2	2	1				1
20-99 employees	8	2					2		1					1	1	1					
100 employees and over	3	1						1				1									
Hancock:																					
1-19 employees	16	2				1			5	2				2		2	1				1
20-99 employees	8	5			1				1									1			
Harrison:																					
1-19 employees	10	2				3			3					2							
20-99 employees	4	2												2							
100 employees and over	1						1														
Hendricks:																					
1-19 employees	9	2				1			5	1											
20-99 employees	2	1															1				
Henry:																					
1-19 employees	29	9		1		1	2		6	2				3	1		3				1
20-99 employees	17	6			1		1		1						1	3	1		1		2
100 employees and over	6													1	2	1			1		1
Howard:																					
1-19 employees	62	16			1	2	1		7	2				2	9	13	5	1	2	1	
20-99 employees	20	4					1		1					1	2	4		1	3		3
100 employees and over	12				1									2	3	1		3	1		1
Huntington:																					
1-19 employees	39	9				2	1		8	2		1		5	1	3	4	1			2
20-99 employees	12	6					1		2	1				1		1					
100 employees and over	12	1			1		2		1			1		1		1	1	3			
Jackson:																					
1-19 employees	24	6				9			2	1			1	5							
20-99 employees	15	4				2	1	1	1	2				2			1				1
100 employees and over	8			1	1	1							2			1			2		
Jasper:																					
1-19 employees	17	6				3			5					1					1		1
20-99 employees	2			1																	1
Jay:																					
1-19 employees	18	8				2			3	2				2			1				
20-99 employees	9	4			1				1					1							2
100 employees and over	5				1									2	1				1		
Jefferson:																					
1-19 employees	17	6				4	1		1	2				2					1		
20-99 employees	6	1			1				1	1						2					
100 employees and over	2	1															1				
Jennings:																					
1-19 employees	6	1			1	2			1					1							
20-99 employees	2						1								1						
100 employees and over	3			1										1		1					
Johnson:																					
1-19 employees	15	8				2			3							1			1		
20-99 employees	8	5				1	1		1												
100 employees and over	5	1			1	1													2		
Knox:																					
1-19 employees	32	12				1	1		7	2			1	4	1				1	1	1
20-99 employees	15	5				1		2	1					3	1	1		1			
100 employees and over	4							2					1	1							
Kosciusko:																					
1-19 employees	57	9		1	2	10	1		7	2				6	3	6	6				4
20-99 employees	28	3			1	1	3		3			1		1	3	2	6			2	2
100 employees and over	5	1												1	1		2				
Lagrange:																					
1-19 employees	16	5				3			2					1	1	1			1		2
20-99 employees	3	1			1												1				
Lake:																					
1-19 employees	149	38	2		2	4	5	1	27	7			1	15	2	13	16		3	3	10
20-99 employees	59	12		1	2	1	1	2		9	3			3	1	14	8	1			1
100 employees and over	76	5		2	3		1		3	7	7			5	23	5	5	1	7		2
La Porte:																					
1-19 employees	48	12		1		2	2		8					2	1	8	11				1
20-99 employees	32	3			4	2	4	1	5		1				1	3	3	1	1	1	2
100 employees and over	30			3	2	1	2					1	2		3	5	7		2	1	1
Lawrence:																					
1-19 employees	17	5		1		2			2	2				1	1	1	1				1
20-99 employees	7	1				1	1		1							1	2				
100 employees and over	10				2									3	1		1	2	1		
Madison:																					
1-19 employees	88	22			1	2	1	1	14	1		1		12	5	8	10	1		3	6
20-99 employees	37	12			2		2		2	1				1	5	5	4		2		1
100 employees and over	23	2			1		1	1	1					4	1	7	3	1	1		
Marion:																					
1-19 employees	562	80		1	22	18	14	1	115	41	5	2	7	24	12	54	105	8	10	8	35
20-99 employees	243	32		1	5	9	11	8	38	20	1	1	3	5	13	33	34	8	6	2	13
100 employees and over	139	22		5	7	1	4	6	11	6	2	3		1	9	16	22	10	8	2	4
Marshall:																					
1-19 employees	35	9				3	1		6	1		1	1	2	1	5	3	1	1		
20-99 employees	16	5			2	2		1	1				1		1			1	1	1	
100 employees and over	6														1			2	3		

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Martin:																					
1-19 employees	12	1				2			3					1							5
20-99 employees	2					1								1							
100 employees and over	3				1	1	1														
Miami:																					
1-19 employees	32	10	1		2	1	1		5	2				1	2	1	4	1			1
20-99 employees	14	2			1	1	4		2							1	1	1		1	
100 employees and over	8					1	1								1	1		2			2
Monroe:																					
1-19 employees	33	11				6	1	1	6	1				7							
20-99 employees	14	1				1	1		2					9							
100 employees and over	3						1							1				1			
Montgomery:																					
1-19 employees	21	8				1			6	1				3			2				
20-99 employees	18	4			2				2					2	1	3	2				2
100 employees and over	2								1						1						
Morgan:																					
1-19 employees	25	5				5	2		2	1				2		3	3		1	1	
20-99 employees	12	1				2	3		1					4			1				
Newton:																					
1-19 employees	11					1			5	3							1				1
20-99 employees	2	1						1													
100 employees and over	1																	1			
Noble:																					
1-19 employees	35	5				2	2		7	1				7	1	2	2		3		3
20-99 employees	8	2				2	2								1		1				
100 employees and over	8				2										2		2	1			1
Ohio:																					
1-19 employees	5	1				1			2								1				
20-99 employees	2						1										1				
Orange:																					
1-19 employees	21	8				3			4	1				3							2
20-99 employees	5	2				1	2														
100 employees and over	4						2	1										1			
Owen:																					
1-19 employees	11	1			1	4			2					1					1		1
20-99 employees	3					1			1	1											
Parke:																					
1-19 employees	11	5				1	1		2								1				1
20-99 employees	5	1				2								2							
Perry:																					
1-19 employees	15	8				5			1					1							
20-99 employees	4					1	2							1							
100 employees and over	7			1			3							1				1	1		
Pike:																					
1-19 employees	10	3				3			2					2							
Porter:																					
1-19 employees	29	3				3			5	2				6	2	2	4				2
20-99 employees	10	1			4				1	1							3				
100 employees and over	4																1	2			1
Posey:																					
1-19 employees	12	4							5	1				1	1						
20-99 employees	7	3				2					1						1				
Pulaski:																					
1-19 employees	7	2				1			2					2							
20-99 employees	3				2											1					
100 employees and over	1				1																
Putnam:																					
1-19 employees	11	3				2			3	1				1			1				
20-99 employees	2	1				1															
100 employees and over	2													1	1						
Randolph:																					
1-19 employees	34	9			1	1			6				1	1	2	5	4	1		2	1
20-99 employees	8	3					1		1				1		1						1
100 employees and over	7				1		2							1		1	1		1		
Ripley:																					
1-19 employees	23	6				11			4								2				
20-99 employees	7	2				2	2										1				
100 employees and over	4						3														
Rush:																					1
1-19 employees	22	8				3		1	1	2				3			2	1		1	
20-99 employees	10	2			2	1	2		1	1					1						
100 employees and over	3						2	1													
St. Joseph:																					
1-19 employees	171	36	2	2	5	1	3	1	36	5		1		7	8	18	33		3	1	9
20-99 employees	52	6			3	7	3	3	4		1				2	7	12	2	1		1
100 employees and over	36	3		3	5		1	1	1	1	1	1			1	2	8	1	5		2
Scott:																					
1-19 employees	8	1				1	1		1					2	1		1				
20-99 employees	2	1			1																
100 employees and over	2	1														1					
Shelby:																					
1-19 employees	18	6				1			1					4			4	1			1
20-99 employees	23	8		1	1	1	4		1					1		1	3	2			
100 employees and over	8				1		3	1								1	2				
Spencer:																					
1-19 employees	15	5				5			3					2							
20-99 employees	5	1					1				1			1							1
Starke:																					
1-19 employees	10	2					1		3					2						1	1
20-99 employees	4				2											1					1
Steuben:																					
1-19 employees	17	2				3			2	1				6		1			1		1
20-99 employees	3	1															1		1		
100 employees and over	1																		1		
Sullivan:																					
1-19 employees	18	6				3			4	1				2			1		1		
20-99 employees	3	1				1										1					
Switzerland:																					
1-19 employees	3	2							1												
Tippecanoe:																					
1-19 employees	27	9		1	1				7	3				2		2	1	1			
20-99 employees	15	8							3					1		1	1				
100 employees and over	12					1		1	1			1			2	2	1	1	1		

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Tipton:																					
1-19 employees	20	12							2	2				1	2		1				
20-99 employees	9	5					1	1										1			1
100 employees and over	3																3				
Union:																					
1-19 employees	3								1								2				
20-99 employees	3									1							2				
Vanderburgh:																					
1-19 employees	95	23				10	7		12	8			1	10	2	5	11			2	4
20-99 employees	59	17	1		1	3	6	2	3	3		1		4		6	7				5
100 employees and over	39	5	2		3	1	5	1	2	1				1		8	6		3		1
Vermillion:																					
1-19 employees	18	8				2			3					2		2	1				
20-99 employees	5	1						1						2		1					
100 employees and over	1				1																
Vigo:																					
1-19 employees	66	15			1	5	6		14	5				8	4	1		1			6
20-99 employees	40	15			1	1	2		4	4				2	4	3	2		1	1	
100 employees and over	28	9			1	2		3	2	2	1			1	3	3	1				
Wabash:																					
1-19 employees	34	8			1	3	2		8	2				1	1	4	3	1			
20-99 employees	16					1	1	1	2					4	2		4				1
100 employees and over	10						3	1				1		2			1	2			
Warren:																					
1-19 employees	5	1					1		2					1							
Warrick:																					
1-19 employees	16	6				2			3					4		1					
20-99 employees	1	1																			
100 employees and over	1				1																
Washington:																					
1-19 employees	13	3				5			3	1						1					
20-99 employees	7	3			1	1			1					1							
100 employees and over	1						1														
Wayne:																					
1-19 employees	43	6				4			8					3	4	7	4		2		5
20-99 employees	34	3			2		7		1				1		2	3	5		2		8
100 employees and over	26	1		1	1		1		1					1	3	3	11	1	1		1
Wells:																					
1-19 employees	15	5				1	1		4					1		2	1				
20-99 employees	7			1									1		1		1		2		1
100 employees and over	2																	2			
White:																					
1-19 employees	12	4				1			3					3			1				
20-99 employees	2	1					1														
100 employees and over	2						1											1			
Whitley:																					
1-19 employees	16	3							4	1		1		1		1	3	1	1		
20-99 employees	6	2				1			1							1			1		
100 employees and over	4			1	1											1			1		

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month											
				Number of employees											
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$1,587,518**	**548,346**	**542,003**	**527,922**	**534,448**	**535,907**	**537,142**	**536,276**	**540,263**	**534,846**	**540,583**	**563,498**	**553,924**	**548,591**	**550,637**
20	Food and kindred products	119,156	44,773	43,199	38,545	37,815	37,648	38,857	39,325	40,573	41,567	45,760	63,206	50,532	43,279	41,285
21	Tobacco manufactures	2,416	1,353	1,350	1,577	1,606	1,386	1,368	1,286	1,273	1,179	1,201	1,280	1,350	1,354	1,342
22	Textile mill products	15,002	6,640	6,637	6,836	6,846	6,866	6,862	6,700	6,529	6,314	6,428	6,434	6,566	6,582	6,684
23	Apparel and related products	29,343	16,148	15,975	15,751	15,766	15,933	16,147	16,111	16,092	15,677	16,008	15,755	16,062	16,095	16,308
24	Lumber and products, exc. furniture	21,122	9,215	8,941	8,517	8,647	8,760	9,056	8,954	8,938	9,185	9,175	9,027	9,024	9,025	8,989
25	Furniture and fixtures	51,663	21,486	21,131	20,689	21,121	20,748	20,648	20,326	20,518	20,543	20,856	20,942	21,883	22,389	22,914
26	Paper and allied products	24,440	9,020	9,015	8,958	8,958	8,936	8,965	8,844	8,874	8,916	9,172	9,026	9,114	9,213	9,209
27	Printing and publishing industries	45,866	15,680	15,551	15,143	15,232	15,336	15,450	15,482	15,516	15,471	15,550	15,624	15,878	15,954	15,977
28	Chemicals and allied products	65,398	20,272	20,100	19,187	19,750	20,030	20,037	19,997	20,173	20,310	20,427	20,379	20,247	20,278	20,391
29	Petroleum and coal products	59,605	16,500	16,500	15,661	15,986	16,052	16,235	16,544	16,738	16,809	16,872	16,737	16,686	16,904	16,780
30	Rubber products	42,887	15,743	15,680	16,151	16,153	16,167	15,856	15,715	15,704	15,331	15,493	15,080	15,145	15,468	15,892
31	Leather and leather products	5,103	2,614	2,560	2,564	2,599	2,625	2,650	2,632	2,523	2,356	2,541	2,522	2,575	2,587	2,551
32	Stone, clay, and glass products	53,793	21,027	20,789	20,569	20,583	20,292	20,330	20,555	21,000	20,970	21,028	21,483	21,027	20,921	20,711
33	Primary metal industries	267,903	82,295	82,192	82,399	82,924	82,800	82,471	82,356	82,630	81,059	81,967	81,421	81,949	81,855	82,461
34	Fabricated metal products	112,707	39,946	38,702	38,651	38,791	38,920	38,400	37,989	38,463	37,435	38,336	39,168	39,518	39,215	39,541
35	Machinery (except electrical)	242,240	80,298	79,217	74,799	76,476	77,962	79,061	80,015	81,220	80,627	79,477	80,389	80,480	79,321	80,774
36	Electrical machinery	145,603	55,143	54,979	57,960	58,339	57,552	56,222	55,475	54,070	52,364	52,201	53,053	53,815	54,284	54,398
37	Transportation equipment	246,849	75,821	75,595	70,908	72,860	73,681	74,210	73,758	75,567	75,247	74,582	78,243	77,906	79,680	80,488
38	Instruments and related products	7,108	2,611	2,575	2,801	2,872	2,968	2,990	3,082	2,726	2,602	2,337	2,126	2,164	2,120	2,114
39	Miscellaneous manufactures	29,314	11,761	11,315	10,256	11,124	11,245	11,327	11,130	11,136	10,884	11,172	11,603	12,003	12,067	11,828

TABLE 9.—DETAILED STATISTICS FOR THE STATE, AND ITS STANDARD METROPOLITAN AREAS AND PRINCIPAL INDUSTRIAL COUNTIES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State	Standard metropolitan areas [1]			Principal industrial counties [2]			
		Chicago	Indianapolis	South Bend	Allen	Lake	Madison	Vanderburgh
ALL ESTABLISHMENTS								
Number of establishments	5,408	12,284	944	259	267	284	148	193
Number of employees (average for the year)	548,346	945,326	92,649	44,139	38,972	92,890	26,048	28,935
Salaries and wages, total	$1,587,518	$2,993,068	$279,361	$144,419	$113,606	$313,859	$73,449	$81,338
Value added by manufacture	$2,977,508	$5,529,062	$484,860	$234,908	$224,377	$587,378	$125,395	$145,136
Establishments by employment size group:								
1-4 employees	1,422	3,184	228	65	77	64	38	40
5-9 employees	954	2,128	169	55	48	49	26	29
10-19 employees	842	2,015	165	51	36	36	24	26
20-49 employees	880	2,256	167	33	36	35	22	40
50-99 employees	483	1,123	76	19	29	24	15	19
100-249 employees	423	922	74	12	16	29	9	15
250-499 employees	214	340	28	12	9	20	9	12
500-999 employees	104	190	22	5	7	13	3	7
1,000-2,499 employees	60	88	8	3	7	8	----------	3
2,500 employees and over	26	38	7	4	2	6	2	2
ESTABLISHMENTS REPORTING DETAILED STATISTICS								
Number of establishments	4,034	9,227	712	197	212	221	113	154
Number of employees (average for the year)	539,658	927,032	90,869	43,780	38,709	92,562	25,840	28,327
Salaries and wages, total	$1,570,715	$2,949,412	$275,485	$143,657	$113,090	$313,144	$72,946	$80,030
Value added by manufacture	$2,947,697	$5,449,289	$478,691	$233,514	$223,539	$586,015	$124,687	$142,796
Number of employees for pay period ended nearest Oct. 15:								
All employees	550,565	941,746	94,112	44,212	38,203	92,352	25,365	29,963
Male	429,094	683,172	71,374	35,841	28,408	83,689	18,480	24,358
Female	121,471	258,574	22,738	8,371	9,795	8,663	6,885	5,605
Production workers	459,901	752,029	74,319	37,372	29,285	77,699	21,937	24,755
Male	364,913	556,883	57,096	31,371	22,316	72,237	15,934	20,744
Female	94,988	195,146	17,223	6,001	6,969	5,462	6,003	4,011
Force-account construction workers	2,059	2,393	39	2	38	1,573	1	51
Administrative, supervisory, sales, and all other	88,605	187,324	19,754	6,838	8,880	13,080	3,427	5,157
Male	62,125	123,900	14,239	4,468	6,054	9,879	2,545	3,563
Female	26,480	63,424	5,515	2,370	2,826	3,201	882	1,594
Expenditures for plant and equipment:								
New plant and equipment	$302,104	$421,083	$43,610	$13,617	$15,535	$125,538	$7,029	$13,831
Construction and major alteration of fixed plants	145,724	179,700	15,367	2,227	5,253	88,652	2,339	6,064
Buildings	70,602	89,671	14,285	2,140	4,626	20,868	2,250	3,805
Other construction	75,122	90,029	1,082	87	627	67,784	89	2,259
Machinery and equipment	156,380	241,383	28,243	11,390	10,282	36,886	4,690	7,767
Production machinery and equipment	139,245	210,584	24,560	10,486	9,104	33,585	4,251	6,941
Other machinery and equipment	17,135	30,799	3,683	904	1,178	3,301	439	826
Used plant and equipment and land	18,895	58,702	5,157	1,353	2,068	1,907	135	395

[1] Detailed statistics for the *Louisville Metropolitan Area* (consisting of Clark and Floyd Counties, Indiana; Jefferson County, Kentucky) are shown in table 9 for the State of *Kentucky*.

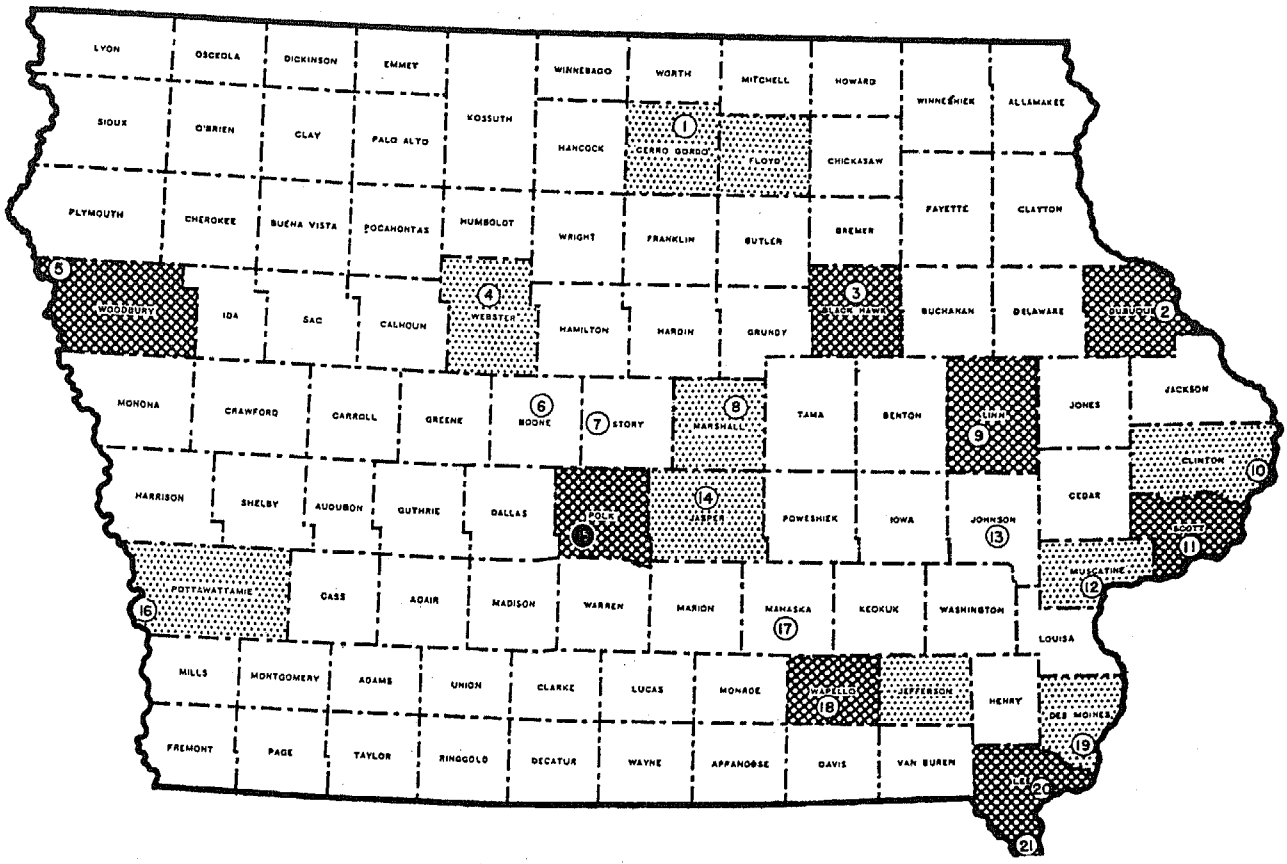
[2] *Marion* and *St. Joseph* Counties, both principal industrial counties, are coextensive with the *Indianapolis* and *South Bend* Metropolitan Areas, respectively.

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	9,210	3,754	4,296	947	65	108	40	90	561
Van	557	----------	384	156	6	9	2	----------	----------
Stake or platform	2,611	489	1,680	397	31	5	9	----------	----------
Panel or light delivery	3,399	2,748	651	----------	----------	----------	----------	----------	----------
All other	2,643	517	1,581	394	28	94	29	----------	----------
Truck tractors	1,092	52	351	502	110	40	37	----------	----------
Trailers and semitrailers	1,144	----------	----------	----------	----------	----------	----------	101	100

IOWA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Ames	7
Boone	6
Burlington	19
Cedar Rapids	9
Clinton	10
Council Bluffs	16
Davenport	11
Des Moines	15
Dubuque	2
Fort Dodge	4
Fort Madison	20
Iowa City	13
Keokuk	21
Marshalltown	8
Mason City	1
Muscatine	12
Newton	14
Oskaloosa	17
Ottumwa	18
Sioux City	5
Waterloo	3

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 1,000
- 1,000 TO 4,999
- 5,000 OR MORE

- ○ PLACES OF 10,000 TO 99,999 POPULATION
- ● PLACES OF 100,000 OR MORE POPULATION

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
1947	2,965	140,425	$372,339	112,490	$275,454	$671,100
1939 [3]	2,541	88,054	114,087	64,773	72,889	243,390
1937	2,454	81,764	101,683	67,878	76,193	236,064
1935 [4]	2,457	68,818	77,087	56,541	55,483	176,653
1933	2,217	n.a.	n.a.	52,137	45,228	140,601
1931	2,776	n.a.	n.a.	60,956	68,402	204,804
1929	3,317	97,414	137,243	81,678	102,327	323,820
1927	3,061	n.a.	n.a.	73,692	91,247	272,401
1925	3,270	n.a.	n.a.	74,976	92,233	258,185
1923	3,420	n.a.	n.a.	77,847	94,206	255,697
1921	3,527	n.a.	n.a.	62,274	78,546	182,742
1919	5,104	98,470	122,168	79,196	88,381	221,757
1914	5,548	76,976	55,977	62,913	39,608	104,940
1909	5,528	73,037	43,514	61,635	32,542	88,531
1904	4,785	56,603	28,945	49,481	22,997	57,728
1899	4,828	49,579	22,253	44,420	18,021	47,092

n.a.—Not available.

[1] The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures reported for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $244.8 million. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $184.4 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

TABLE 2.—GENERAL STATISTICS FOR COUNTIES AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

COUNTY AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**2,538,268**	**2,965**	**140,425**	**$372,339**	**112,490**	**$275,454**	**$671,100**	**2,541**	**64,773**	**$243,390**
COUNTIES										
Adair	13,196	5	30	(d)	24	(d)	(d)	4	14	(d)
Adams	10,156	5	21	(d)	15	(d)	(d)	4	11	(d)
Allamakee	17,184	22	224	338	193	294	802	19	42	104
Appanoose	24,245	18	615	1,286	519	1,106	2,710	16	154	445
Audubon	11,790	11	102	195	88	160	350	13	154	278
Benton	22,879	13	214	303	139	179	376	13	206	328
Black Hawk	79,946	134	17,859	50,715	14,602	40,174	64,547	99	8,077	30,854
Boone	29,782	19	289	634	216	448	1,069	17	173	583
Bremer	17,932	39	584	1,256	504	1,036	2,515	41	226	777
Buchanan	20,991	16	289	458	224	346	745	18	153	268
Buena Vista	19,838	31	436	1,004	374	769	2,027	24	337	687
Butler	17,986	23	68	119	56	98	304	18	49	172
Calhoun	17,584	16	75	130	58	98	250	17	73	158
Carroll	22,770	25	436	887	336	577	1,802	22	211	494
Cass	18,647	15	303	718	178	343	1,338	16	138	564
Cedar	16,884	17	97	218	74	164	498	11	26	88
Cerro Gordo	43,845	66	3,519	9,614	2,832	7,194	18,475	51	2,061	8,537
Cherokee	19,258	13	172	434	133	316	1,503	11	66	187
Chickasaw	15,227	19	134	221	122	184	479	17	60	162
Clarke	10,233	4	179	(d)	147	(d)	(d)	4	34	(d)
Clay	17,762	25	277	657	207	481	1,285	17	95	353
Clayton	24,334	36	314	495	275	434	1,033	35	170	391
Clinton	44,722	51	4,753	13,718	3,701	9,839	31,059	55	2,478	8,350
Crawford	20,538	14	139	248	114	189	599	7	23	98
Dallas	24,649	27	646	1,464	569	1,176	3,687	18	281	699
Davis	11,136	7	119	174	100	143	330	2	(d)	(d)
Decatur	14,012	7	44	94	37	63	156	9	43	110
Delaware	18,487	20	138	252	112	212	524	17	57	153
Des Moines	36,804	67	3,705	8,808	3,056	6,575	19,254	66	2,389	5,758
Dickinson	12,185	15	149	(d)	120	(d)	(d)	7	20	(d)
Dubuque	63,768	115	9,225	24,597	7,762	19,268	37,585	89	4,531	10,929
Emmet	13,406	11	500	1,349	415	1,054	3,102	14	118	(d)
Fayette	29,151	41	425	791	316	579	4,254	37	170	752
Floyd	20,169	20	2,501	(d)	1,855	(d)	(d)	21	1,061	(d)
Franklin	16,379	21	266	541	231	448	946	17	110	359
Fremont	14,645	8	25	36	18	26	73	6	19	75
Greene	16,599	11	119	243	86	160	450	9	59	179
Grundy	13,518	16	126	213	111	174	622	16	129	234
Guthrie	17,210	12	55	97	42	77	214	11	43	85
Hamilton	19,922	16	629	1,496	544	1,238	2,768	18	327	823

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR COUNTIES AND URBAN PLACES: 1947 AND 1939—Continued

COUNTY AND PLACE	Population 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Continued										
Hancock	15,402	8	65	$126	52	$97	$258	13	44	$144
Hardin	22,530	26	243	(d)	185	(d)	(d)	23	100	(d)
Harrison	22,767	10	54	89	43	69	260	7	16	(d)
Henry	17,994	13	384	601	350	515	2,459	11	90	183
Howard	13,531	12	37	72	31	61	170	16	34	128
Humboldt	13,459	18	175	326	133	225	626	13	59	335
Ida	11,047	8	56	138	46	111	332	7	52	138
Iowa	17,016	17	452	827	397	697	1,678	17	189	313
Jackson	19,181	19	306	583	267	448	1,049	22	67	190
Jasper	31,496	32	4,287	12,791	3,496	9,265	20,569	23	1,571	(d)
Jefferson	15,762	22	1,311	3,590	949	2,011	5,943	18	602	1,766
Johnson	33,191	32	412	860	292	562	1,575	24	168	765
Jones	19,950	25	453	860	398	697	1,828	23	378	699
Keokuk	18,406	11	165	410	147	327	833	7	102	253
Kossuth	26,630	26	205	384	147	275	939	21	79	222
Lee	41,074	60	6,792	17,623	5,549	13,105	39,610	58	2,489	11,675
Linn	89,142	176	14,313	41,090	10,665	28,282	81,333	133	5,208	28,688
Louisa	11,384	9	91	178	82	157	288	11	90	150
Lucas	14,571	9	113	160	95	127	252	5	38	113
Lyon	15,374	11	74	120	64	103	429	9	38	136
Madison	14,525	7	40	(d)	31	(d)	(d)	9	(d)	(d)
Mahaska	26,485	20	755	1,558	648	1,258	3,513	24	380	880
Marion	27,019	22	622	874	554	780	1,433	16	254	508
Marshall	35,406	44	3,175	9,352	2,601	7,176	16,641	50	1,457	5,258
Mills	15,064	5	137	(d)	126	(d)	(d)	6	53	(d)
Mitchell	14,121	15	293	485	200	316	631	16	74	155
Monona	18,238	7	136	260	119	208	788	8	78	182
Monroe	14,553	11	72	121	42	68	334	6	28	56
Montgomery	15,697	14	439	1,031	326	695	2,902	15	218	1,044
Muscatine	31,296	79	3,846	8,644	3,359	6,604	15,499	55	2,371	4,900
O'Brien	19,293	27	214	444	172	333	1,065	18	99	337
Osceola	10,607	8	97	(d)	81	(d)	(d)	6	49	(d)
Page	24,887	20	386	845	272	490	1,541	26	190	661
Palo Alto	16,170	10	55	108	43	90	238	11	47	134
Plymouth	23,502	23	135	257	109	208	474	13	63	208
Pocahontas	16,266	12	127	300	98	181	368	10	67	158
Polk	195,835	326	16,090	44,715	12,179	30,927	86,907	257	7,071	30,077
Pottawattamie	66,756	68	1,571	3,734	1,165	2,586	6,818	55	591	1,937
Poweshiek	18,758	19	321	541	250	373	1,011	11	250	340
Ringgold	11,137	5	28	(d)	22	(d)	(d)	2	(d)	(d)
Sac	17,639	18	165	376	136	296	1,001	14	72	184
Scott	84,748	150	9,272	25,432	7,339	18,583	43,148	124	4,578	16,372
Shelby	16,720	9	44	89	37	64	217	9	68	186
Sioux	27,209	25	303	683	253	555	1,578	21	115	447
Story	33,434	41	618	1,001	452	757	2,128	36	280	778
Tama	22,428	14	422	1,024	375	893	2,572	15	241	588
Taylor	14,258	9	153	(d)	135	(d)	(d)	8	44	(d)
Union	16,280	14	283	487	223	320	889	15	99	289
Van Buren	12,053	8	78	149	68	123	358	4	28	91
Wapello	44,280	50	6,185	(d)	5,062	(d)	(d)	41	2,954	(d)
Warren	17,605	8	94	230	71	150	334	7	51	134
Washington	20,055	20	402	983	440	784	2,495	17	506	791
Wayne	13,308	9	74	159	55	77	351	7	42	109
Webster	41,521	53	3,210	9,066	2,582	6,768	19,857	47	1,662	7,772
Winnebago	13,972	11	163	293	119	197	455	18	135	188
Winneshiek	22,263	25	274	509	177	296	1,206	27	169	404
Woodbury	103,627	136	9,889	26,105	8,369	20,024	44,756	121	4,480	16,320
Worth	11,449	13	58	140	43	107	585	13	25	63
Wright	20,038	15	320	796	264	600	1,222	16	73	243
URBAN PLACES										
Ames	12,555	16	311	424	195	313	759	14	87	296
Boone	12,373	15	243	574	182	406	900	14	158	545
Burlington	25,832	58	3,439	8,235	2,802	6,046	18,261	64	2,380	(d)
Cedar Rapids	62,120	146	14,088	40,686	10,487	27,975	80,455	117	5,081	28,335
Clinton	26,270	40	4,650	13,482	3,627	9,673	30,398	46	2,370	8,130
Council Bluffs	41,439	57	1,221	2,804	867	1,790	5,338	49	558	(d)
Davenport	66,039	130	6,928	18,813	5,432	13,501	34,224	112	3,484	11,828
Des Moines	159,819	304	14,088	38,898	10,437	26,040	77,316	245	6,722	28,702
Dubuque	43,892	89	9,025	24,194	7,593	18,928	36,761	69	4,405	10,568
Fort Dodge	22,904	36	2,071	5,906	1,599	4,193	10,344	29	735	3,075
Fort Madison	14,063	18	3,487	9,389	2,790	6,681	23,961	16	880	5,690
Iowa City	17,182	22	336	704	228	443	1,299	20	156	711
Keokuk	15,076	34	3,031	7,562	2,548	5,937	14,718	36	1,442	5,265
Marshalltown	19,240	38	3,128	9,242	2,566	7,111	16,450	47	1,435	(d)
Mason City	27,080	48	3,184	8,816	2,560	6,573	16,731	39	1,862	7,929
Muscatine	18,286	66	3,778	8,503	3,302	6,490	15,223	51	2,353	4,859
Newton	10,462	18	3,929	11,991	3,182	8,645	18,788	15	1,418	(d)
Oskaloosa	11,024	17	728	(d)	624	(d)	(d)	23	(d)	(d)
Ottumwa	31,570	46	6,113	(d)	4,994	(d)	(d)	39	2,928	(d)
Sioux City	82,364	128	9,807	(d)	8,317	(d)	(d)	119	4,432	(d)
Waterloo	51,743	94	16,826	48,206	13,744	38,233	60,607	72	7,605	38,142

d Withheld to avoid disclosing figures for individual companies.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947										1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**2,965**	**140,425**	**$372,339**	**112,490**	**238,293**	**$275,454**	**$671,100**	**$64,695**	**$23,041**	**$41,654**	**2,541**	**64,773**	**$243,390**
20	Food and kindred products	1,045	46,433	124,879	36,234	80,898	90,948	228,710	20,407	7,677	12,730	1,218	25,350	98,316
23	Apparel and related products	69	4,466	7,719	3,962	7,438	5,887	12,198	352	111	241	51	2,823	4,041
24	Lumber and products, exc. furniture	90	4,700	12,253	4,080	8,744	9,997	19,990	969	330	639	68	4,133	9,189
25	Furniture and fixtures	54	2,155	5,412	1,853	4,046	3,959	9,263	309	57	252	32	1,281	2,841
26	Paper and allied products	22	1,265	3,342	1,097	2,407	2,569	7,846	359	45	314	21	721	1,919
27	Printing and publishing industries	592	9,138	23,345	5,496	10,833	13,482	55,385	3,431	1,100	2,331	516	4,090	24,138
28	Chemicals and allied products	180	5,227	14,973	3,779	8,471	9,522	50,977	6,498	3,119	3,379	101	1,310	9,085
30	Rubber products	6	2,317	6,754	1,969	4,146	5,522	12,976	2,005	996	1,009	3	370	(d)
31	Leather and leather products	15	835	1,464	722	1,454	1,173	2,463	74	19	55	16	524	712
32	Stone, clay, and glass products	214	4,613	11,503	4,060	9,092	9,492	27,083	3,977	787	3,190	90	3,090	12,852
33	Primary metal industries	54	3,206	9,086	2,888	6,117	7,825	12,939	866	223	643	36	1,340	3,229
34	Fabricated metal products	125	5,271	15,439	4,263	9,462	11,422	27,649	2,077	792	1,285	100	3,042	9,371
35	Machinery (except electrical)	255	34,536	98,225	28,467	57,883	75,490	143,421	20,020	6,236	13,784	126	11,062	52,589
36	Electrical machinery	37	5,127	11,781	4,102	7,948	8,172	17,795	1,088	778	310	21	869	2,696
37	Transportation equipment	41	2,861	7,612	2,410	5,010	5,887	9,868	551	197	354	18	459	904
38	Instruments and related products	12	860	2,177	750	1,560	1,816	3,474	235	78	157	6	224	693
39	Miscellaneous manufactures	137	6,536	14,243	5,583	11,290	10,543	25,898	997	367	630	101	3,033	8,636
	All other major industry groups	17	879	2,132	775	1,494	1,748	3,165	480	129	351	17	1,052	(d)

d Withheld to avoid disclosing figures for individual companies.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
	All industries, total [1]	**2,965**	**2,109**	**615**	**241**	**140,425**	**$372,339**	**64,773**	**112,490**	**$275,454**	**$671,100**	**$64,695**
20	FOOD AND KINDRED PRODUCTS	1,045	773	213	59	46,433	124,879	25,350	36,234	90,948	228,710	20,407
201	Meat products	119	44	57	18	25,739	72,412	13,882	21,025	56,212	101,197	7,293
2011	Meat packing, wholesale	38	16	7	15	22,665	66,706	11,027	18,458	51,775	92,609	6,436
2013	Prepared meats	8	5	2	1	245	646	82	174	471	1,607	34
2015	Poultry dressing, wholesale	73	23	48	2	2,829	5,060	2,773	2,393	3,966	6,981	823
202	Dairy products	363	328	33	2	2,907	5,989	[2] 2,079	2,181	4,380	16,808	2,042
2021	Creamery butter	295	273	21	1	2,033	4,163	1,701	1,569	3,214	11,373	1,339
2024	Ice cream and ices	41	30	10	1	665	1,312	261	437	756	3,555	394
2033	Canning and preserving, except fish	35	19	14	2	1,355	2,214	911	1,216	1,779	3,392	497
204	Grain-mill products	170	133	31	6	3,962	10,053	1,874	2,983	7,266	37,514	1,680
2042	Prepared animal feeds	151	121	27	3	2,091	4,995	433	1,363	3,100	17,581	1,208
205	Bakery products	105	66	24	15	4,238	12,119	[2] 3,592	2,669	6,186	21,223	2,296
2051	Bread and other bakery products	99	65	23	11	3,216	9,464	2,713	1,913	4,581	15,252	1,550
2052	Biscuit, crackers, and pretzels	6	1	1	4	1,022	2,655	870	756	1,605	5,971	746
2071	Confectionery products	18	9	8	1	519	1,011	288	458	726	2,139	110
208	Beverages	121	101	18	2	1,732	4,562	436	1,040	2,353	9,658	950
2081	Bottled soft drinks	115	100	15	----------	1,163	2,785	320	627	1,318	6,334	648
209	Miscellaneous food preparations	100	63	26	11	5,536	15,491	1,779	4,264	11,173	33,595	5,280
2097	Manufactured ice	41	31	8	2	780	2,007	250	414	993	3,768	464
2099	Liquid, frozen, and dried eggs	19	1	14	4	1,311	2,271	42	1,101	1,830	3,411	374
	Food preparations, n.e.c.	23	18	4	1	424	922	71	304	548	2,111	310
21	TOBACCO MANUFACTURES	4	4	----------	----------	11	(d)	17	11	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	7	2	3	2	806	(d)	1,027	726	(d)	(d)	(d)
23	APPAREL AND RELATED PRODUCTS	69	22	31	16	4,466	7,719	2,823	3,962	5,887	12,198	352
232	Men's and boys' furnishings	27	5	13	9	1,998	3,359	1,379	1,770	2,645	5,399	100
2329	Men's and boys' clothing, n.e.c.	19	2	11	6	1,374	2,402	(d)	1,200	1,845	3,571	71
2341	Women's and children's underwear	3	----------	2	1	233	350	(d)	199	240	797	112
239	Miscellaneous fabricated textiles	21	15	4	2	796	1,586	273	672	1,082	2,597	60
2394	Canvas products	12	10	2	----------	190	394	54	155	262	573	17
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	90	53	28	9	4,700	12,253	4,133	4,080	9,997	19,990	969
2421	Sawmills and planing mills, general	27	23	4	----------	251	468	68	239	450	743	34
243	Millwork and related products	35	13	14	8	3,791	10,076	3,665	3,238	8,062	16,860	696
2431	Millwork plants	29	12	9	8	3,628	9,719	3,519	3,092	7,755	16,080	666
2433	Prefabricated wood products	6	1	5	----------	163	357	146	146	307	780	30
244	Wooden containers	15	10	5	----------	257	754	375	245	722	976	54
249	Miscellaneous wood products	13	7	5	1	401	955	25	358	763	1,411	185
25	FURNITURE AND FIXTURES	54	37	10	7	2,155	5,412	1,281	1,853	3,959	9,263	309
251	Household furniture	36	24	8	4	1,321	3,437	808	1,152	2,556	6,107	202
2511	Wood house furniture, except upholst.	15	10	4	1	471	1,033	292	417	883	1,951	102
2512	Household furniture, upholstered	10	4	3	3	698	2,061	414	603	1,436	3,413	95
2541	Partitions and fixtures	9	6	2	1	293	925	160	248	581	1,579	68
26	PAPER AND ALLIED PRODUCTS	22	4	13	5	1,265	3,342	721	1,097	2,569	7,846	359
2612	Paper and board mills	3	----------	1	2	398	1,250	334	363	1,086	3,237	173
2671	Paperboard boxes	14	3	8	3	704	1,633	268	602	1,180	3,724	152

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
No.	Title		1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year) 1939	Number (average for the year) 1947	Wages, total 1947		
27	PRINTING AND PUBLISHING INDUSTRIES	592	519	61	12	9,138	$23,345	4,090	5,496	$13,482	$55,385	$3,431
2711	Newspapers	339	298	33	8	4,953	12,654	2,183	2,545	6,328	29,302	1,279
2721	Periodicals	22	17	3	2	1,609	4,457	534	968	2,730	13,733	1,657
273	Books	9	7	2	----------	143	296	13	106	189	690	45
2741	Miscellaneous publishing	11	10	1	----------	114	246	(d)	76	150	602	26
2751	Commercial printing	163	146	15	2	1,800	4,231	984	1,393	3,016	8,742	346
278	Bookbinding and related industries	12	11	1	----------	158	299	141	137	237	531	12
2781	Bookbinding	6	5	1	----------	106	187	89	96	153	315	10
279	Printing trades service industries	20	16	4	----------	212	762	105	164	580	1,223	36
28	CHEMICALS AND ALLIED PRODUCTS	180	130	40	10	5,227	14,973	1,310	3,779	9,522	50,977	6,498
283	Drugs and medicines	25	16	7	2	1,124	2,976	312	623	1,229	6,557	1,060
2831	Biological products	6	2	3	1	472	1,281	179	336	758	2,719	(d)
2834	Pharmaceutical preparations	19	14	4	1	652	1,695	133	287	471	3,838	(d)
2842	Cleaning and polishing preparations	19	16	3	----------	171	651	23	78	151	1,101	39
2851	Paints and varnishes	10	7	2	1	373	1,163	35	300	851	8,160	605
288	Vegetable and animal oils	80	58	20	2	1,548	4,606	328	1,228	3,410	21,579	2,138
2883	Soybean oil mills	32	15	15	2	1,074	3,193	128	874	2,412	16,123	1,752
2886	Grease and tallow	48	43	5	----------	474	1,413	200	354	998	5,456	386
289	Miscellaneous chemical products	32	26	4	2	498	1,145	231	404	856	2,608	183
2899	Chemical products, n.e.c.	14	13	----------	1	190	412	26	169	347	1,332	10
29	PETROLEUM AND COAL PRODUCTS	6	5	1	----------	62	(d)	8	38	(d)	(d)	(d)
30	RUBBER PRODUCTS	6	2	1	3	2,317	6,754	370	1,969	5,522	12,976	2,005
31	LEATHER AND LEATHER PRODUCTS	15	4	7	4	835	1,464	524	722	1,173	2,463	74
3141	Footwear, except rubber	4	1	----------	3	492	878	220	437	722	1,566	42
315	Leather gloves and mittens	5	1	4	----------	121	184	(d)	91	125	250	6
32	STONE, CLAY, AND GLASS PRODUCTS	214	176	27	11	4,613	11,503	3,090	4,060	9,492	27,083	3,977
3241	Cement, hydraulic	5	----------	----------	5	1,369	3,639	1,060	1,212	2,985	8,588	1,920
325	Structural clay products	29	9	17	3	1,510	3,675	1,116	1,350	3,036	6,868	385
3251	Brick and hollow tile	14	2	11	1	856	2,003	851	752	1,627	3,718	187
3254	Sewer pipe	3	----------	1	2	329	841	(d)	302	685	1,468	61
3259	Structural clay products, n.e.c.	12	7	5	----------	325	831	(d)	293	724	1,682	137
327	Concrete and plaster products	166	155	8	3	1,550	3,845	832	1,347	3,208	10,996	1,598
3271	Concrete products	162	155	7	----------	856	1,814	(d)	754	1,527	3,237	940
3272	Gypsum products	4	----------	1	3	694	2,031	451	593	1,681	7,759	658
33	PRIMARY METAL INDUSTRIES	54	21	22	11	3,206	9,086	1,340	2,888	7,825	12,939	866
332	Iron and steel foundries	32	8	15	9	2,257	6,495	980	2,059	5,759	8,906	502
34	FABRICATED METAL PRODUCTS	125	73	38	14	5,271	15,439	3,042	4,263	11,422	27,649	2,077
342	Cutlery, hand tools, and hardware	22	14	6	2	691	1,682	718	610	1,375	3,062	271
3423	Hand tools, n.e.c.	9	6	2	1	284	658	192	251	526	1,187	135
3429	Hardware, n.e.c.	8	5	2	1	318	765	504	284	643	1,470	125
343	Heating and plumbing equipment	17	5	9	3	1,572	4,635	668	1,196	3,136	9,769	756
3439	Heating and cooking apparatus, n.e.c.	11	4	5	2	1,124	3,244	537	827	2,023	6,898	541
344	Structural metal products	50	30	12	8	2,308	7,559	1,080	1,874	5,747	11,928	809
3443	Boiler shop products	10	4	5	1	314	840	225	273	684	1,689	119
3444	Sheet-metal work	22	16	5	1	641	1,988	452	509	1,383	2,594	351
346	Metal stamping and coating	14	9	4	1	349	823	288	294	647	1,602	157
3463	Metal stampings	6	3	2	1	223	570	(d)	190	428	1,222	117
3468	Plating and polishing	8	6	2	----------	126	253	(d)	104	219	380	40
3489	Wirework, n.e.c.	6	2	4	----------	180	335	241	154	258	620	12
35	MACHINERY (EXCEPT ELECTRICAL)	255	139	63	53	34,536	98,225	11,062	28,467	75,490	143,421	20,020
352	Tractors and farm machinery	87	51	21	15	17,059	47,704	4,698	14,416	38,775	57,247	14,615
3531	Construction and mining machinery	20	5	8	7	4,152	11,673	796	3,221	8,018	22,301	1,934
354	Metalworking machinery	30	23	5	2	1,323	4,277	(d)	1,075	2,990	7,549	349
355	Special-industry machinery, n.e.c.	33	16	13	4	2,133	5,706	546	1,682	4,262	9,001	557
3551	Food-products machinery	15	7	5	3	1,303	3,468	237	1,004	2,472	5,427	391
3559	Special-industry machinery, n.e.c.	12	5	6	1	671	1,909	254	568	1,569	3,049	139
356	General industrial machinery	28	14	6	8	2,155	5,965	1,717	1,664	4,076	9,349	454
3561	Pumps and compressors	7	3	----------	4	1,108	3,184	1,425	903	2,404	5,556	221
3563	Conveyors	7	5	1	1	250	888	133	137	339	967	69
358	Service and household machines	19	3	8	8	5,400	16,327	1,886	4,390	11,903	26,996	1,563
3585	Refrigeration machinery	6	2	3	1	347	765	53	282	586	1,445	87
359	Miscellaneous machinery parts	33	25	1	7	1,965	5,599	833	1,720	4,708	9,691	542
3591	Valves and fittings, except plumbers'	5	1	----------	4	1,194	3,634	343	1,038	3,105	6,189	404
36	ELECTRICAL MACHINERY	37	22	9	6	5,127	11,781	869	4,102	8,172	17,795	1,088
369	Miscellaneous electrical products	7	2	3	2	1,459	2,891	510	1,375	2,617	6,136	40
37	TRANSPORTATION EQUIPMENT	41	22	14	5	2,861	7,612	459	2,410	5,887	9,868	551
3713	Truck and bus bodies	11	6	4	1	471	1,136	n.a.	415	884	1,748	123
3799	Transportation equipment, n.e.c.	14	7	7	----------	355	813	30	282	590	1,109	91
38	INSTRUMENTS AND RELATED PRODUCTS	12	8	2	2	860	2,177	224	750	1,816	3,474	235
39	MISCELLANEOUS MANUFACTURES	137	93	32	12	6,536	14,243	3,033	5,583	10,543	25,898	997
396	Costume jewelry and notions	45	26	12	7	2,003	3,409	1,631	1,873	2,854	5,434	174
3962	Artificial flowers	4	2	2	----------	101	151	(d)	89	104	263	75
3963	Buttons	41	24	10	7	1,902	3,258	(d)	1,784	2,750	5,171	99
399	Miscellaneous manufactures	60	45	14	1	1,126	2,528	688	951	1,860	3,481	151
3988	Morticians' goods	11	5	6	----------	267	799	224	219	514	1,183	18
3993	Signs and advertising displays	31	25	5	1	609	1,373	346	514	1,059	1,657	110

d Withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.
[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, BY INDUSTRY: 1947

[This State contained no standard metropolitan area with 40,000 or more manufacturing employees in 1947]

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[This State contained no county with 20,000 or more manufacturing employees in 1947]

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	2,965	1,045	4	7	69	90	54	22	592	180	6	6	15	214	54	125	255	37	41	12	137
1-19 employees	2,110	773	4	2	22	53	37	4	520	130	5	2	4	176	21	73	139	22	22	8	93
20-99 employees	614	213		3	31	28	10	13	60	40	1	1	7	27	22	38	63	9	14	2	32
100 employees and over	241	59		2	16	9	7	5	12	10		3	4	11	11	14	53	6	5	2	12
Adair:																					
1-19 employees	5	2							2								1				
Adams:																					
1-19 employees	5	1							1	1				1			1				
Allamakee:																					
1-19 employees	20	8				4			3	1				3							1
20-99 employees	1					1															
100 employees and over	1																				1
Appanoose:																					
1-19 employees	9	3							3							1	1				1
20-99 employees	7	3							1	1				1	1						
100 employees and over	2														1						1
Audubon:																					
1-19 employees	10	5							4					1							
20-99 employees	1					1															
Benton:																					
1-19 employees	10	6							2					1		1					
20-99 employees	3	3																			
Black Hawk:																					
1-19 employees	84	20		1	2	3	2		15	2				8	3	7	15		1	1	4
20-99 employees	32	7				3		1	3	2				2	4	4	4		1		1
100 employees and over	18	2			4	1			1						1	2	7				
Boone:																					
1-19 employees	14	5							5	3				1							
20-99 employees	5					1			2								2				
Bremer:																					
1-19 employees	31	19				1			4	2				4					1		
20-99 employees	7	4							1								2				
100 employees and over	1	1																			
Buchanan:																					
1-19 employees	13	8			1				2								2				
20-99 employees	2	2																			
100 employees and over	1	1																			
Buena Vista:																					
1-19 employees	25	6				2			7	1				3			4			1	1
20-99 employees	5	2															2		1		
100 employees and over	1	1																			
Butler:																					
1-19 employees	23	12							6	1				3		1					
Calhoun:																					
1-19 employees	16	8							5	1				1				1			
Carroll:																					
1-19 employees	17	6							5	3				2			1				
20-99 employees	8	4				1			1	1							1				
Cass:																					
1-19 employees	9	3				1			3					2							
20-99 employees	6	4							1							1					
Cedar:																					
1-19 employees	17	11							5						1						
Cerro Gordo:																					
1-19 employees	42	17			1		1		7	1	1			5		4	2				3
20-99 employees	19	9			1	1		1	4	1					1		1				
100 employees and over	5	2												3							
Cherokee:																					
1-19 employees	10	4							4					2							
20-99 employees	3	1								1							1				
Chickasaw:																					
1-19 employees	17	11							3					1			2				
20-99 employees	2	1			1																
Clarke:																					
1-19 employees	2	1							1												
20-99 employees	1	1																			
100 employees and over	1				1																
Clay:																					
1-19 employees	20	8							5	3							2	2			
20-99 employees	5	2							1	1				1							
Clayton:																					
1-19 employees	33	22				4			5					1			1				
20-99 employees	3	1																			2

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Clinton:																					
1-19 employees	34	12			2	1	1		6	2				5		2		1	1		1
20-99 employees	8	2							2	1						1	2				
100 employees and over	9	3			1	1				1						1	2				
Crawford:																					
1-19 employees	12	2							5					1		1					3
20-99 employees	2	2																			
Dallas:																					
1-19 employees	16	8							4	1						1	1		1		
20-99 employees	11	3							1	2				3	1		1				
Davis:																					
1-19 employees	5	3							1												1
20-99 employees	2						1										1				
Decatur:																					
1-19 employees	7	3							2					2							
Delaware:																					
1-19 employees	19	12				1	1		4							1					
20-99 employees	1					1															
Des Moines:																					
1-19 employees	34	16			1	2			5	1				2		1		1	2		3
20-99 employees	21	4			1	1	2	1	2	2	1		1				1	1			4
100 employees and over	12	1			2		3			1					1	1	2	1			
Dickinson:																					
1-19 employees	13	1				1			3	1				3	1		1		1		1
20-99 employees	2	2																			
Dubuque:																					
1-19 employees	74	28			1	7	1		15	4				5	2	3	2	2	2		2
20-99 employees	26	5			4	4		1		3			1	1		3			1		3
100 employees and over	15	2			1	2	1	1	1				1				4	2			
Emmet:																					
1-19 employees	6	3							3												
20-99 employees	3	2		1																	
100 employees and over	2	2																			
Fayette:																					
1-19 employees	34	23							5	1				3			1				1
20-99 employees	7	4							1	1								1			
Floyd:																					
1-19 employees	13	5					1		4					1			2				
20-99 employees	5	1				1	1		1					1							
100 employees and over	2									1							1				
Franklin:																					
1-19 employees	17	10							3					1		1	1		1		
20-99 employees	4	3												1							
Fremont:																					
1-19 employees	8	3							4					1							
Greene:																					
1-19 employees	9	4							2	1				2							
20-99 employees	2	1																1			
Grundy:																					
1-19 employees	16	9							4	1							2				
Guthrie:																					
1-19 employees	12	6					1		5												
Hamilton:																					
1-19 employees	7	5				1			1												
20-99 employees	7	1							2						1		2				1
100 employees and over	2	1															1				
Hancock:																					
1-19 employees	7	3							2	1						1					
20-99 employees	1	1																			
Hardin:																					
1-19 employees	24	12				1	1		5	3				1			1				
20-99 employees	2	1								1											
Harrison:																					
1-19 employees	10	3				1			4								2				
Henry:																					
1-19 employees	10	3			1				4					1				1			
20-99 employees	2	1			1																
100 employees and over	1																				1
Howard:																					
1-19 employees	12	9							2								1				
Humboldt:																					
1-19 employees	14	9				1	1		1	1											1
20-99 employees	4	2												1			1				
Ida:																					
1-19 employees	7	1							4	2											
20-99 employees	1	1																			
Iowa:																					
1-19 employees	12	6				1	1		3												1
20-99 employees	3	2												1							
100 employees and over	2			1													1				
Jackson:																					
1-19 employees	16	9							6					1							
20-99 employees	3																2				1
Jasper:																					
1-19 employees	21	5				1	1	1	8					2		1	2				
20-99 employees	6						1		1						1		2				1
100 employees and over	5																4				1
Jefferson:																					
1-19 employees	12	3				1			3	1				1		1	2				
20-99 employees	5				1				1						1		1				1
100 employees and over	5				1										1		3				
Johnson:																					
1-19 employees	27	14				2			5	2				3							1
20-99 employees	5	3							2												
Jones:																					
1-19 employees	20	8							6	1				2		1	1		1		
20-99 employees	4	1															2				1
100 employees and over	1				1																

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Keokuk:																					
1-19 employees	9	2							5					1							1
20-99 employees	1									1											
100 employees and over	1													1							
Kossuth:																					
1-19 employees	25	14							5	2				1		1	1	1			
20-99 employees	1	1																			
Lee:																					
1-19 employees	29	10	1						6	3				3	1	2	2				1
20-99 employees	17	7			1	2		1	2	1								1			2
100 employees and over	14	2						2		3		1	1		2	1	1				1
Linn:																					
1-19 employees	115	32			1	3	5		24	10				6	2	9	15	2		1	5
20-99 employees	40	12			2	1	1	1	3	4		1		1	1	4	7	1		1	
100 employees and over	21	8						1	2							2	6	1	1		
Louisa:																					
1-19 employees	8	2							4	1											1
20-99 employees	1																1				
Lucas:																					
1-19 employees	8	4				1			2												1
20-99 employees	1				1																
Lyon:																					
1-19 employees	10	5							2					2			1				
20-99 employees	1																1				
Madison:																					
1-19 employees	7	2							2	1				1				1			
Mahaska:																					
1-19 employees	10	4							4					1			1				
20-99 employees	7	3			1				1					1		1					
100 employees and over	3	1			1												1				
Marion:																					
1-19 employees	19	6					1		4					3	1	1	1		2		
20-99 employees	2				2																
100 employees and over	1						1														
Marshall:																					
1-19 employees	26	12			1				2	3						1	5			1	1
20-99 employees	9	2							2						3	2					
100 employees and over	9	2													2	1	3			1	
Mills:																					
1-19 employees	4	2							2												
100 employees and over	1	1																			
Mitchell:																					
1-19 employees	13	7							4	1										1	
20-99 employees	1			1																	
100 employees and over	1	1																			
Monona:																					
1-19 employees	4	1							3												
20-99 employees	3	2				1															
Monroe:																					
1-19 employees	10	2							2					4		2					
20-99 employees	1									1											
Montgomery:																					
1-19 employees	10	5							4					1							
20-99 employees	3	1														2					
100 employees and over	1								1												
Muscatine:																					
1-19 employees	50	8				1			5	3				5		1	3				24
20-99 employees	19	7			1				1						1	1	2				6
100 employees and over	10	2				2											1				5
O'Brien:																					
1-19 employees	21	8				1			7	1				3		1					
20-99 employees	6	4			1					1											
Osceola:																					
1-19 employees	7	1							3	1				1							1
20-99 employees	1	1																			
Page:																					
1-19 employees	14	4							6	2				1							1
20-99 employees	6	3							1								1				1
Palo Alto:																					
1-19 employees	10	4							3	1				1			1				
Plymouth:																					
1-19 employees	22	6			1				5	3				4			3				
20-99 employees	1	1																			
Pocahontas:																					
1-19 employees	10	3							4	1				1			1				
20-99 employees	2	1															1				
Polk:																					
1-19 employees	209	38		1	2	2	7	1	70	24			1	12	2	12	18	2	3		14
20-99 employees	86	20		1	4	3		2	7	7			4	6	2	12	7	1	3		7
100 employees and over	31	6		1	2	1	2		3	2		2	1	2		4	3		2		
Pottawattamie:																					
1-19 employees	51	14				1	1		11	6	1		1	3	1	3	3	3		2	1
20-99 employees	13	4			1	2			1	1					1		1	2			
100 employees and over	4	2														1			1		
Poweshiek:																					
1-19 employees	14	4				1			3	1				1			1	2			1
20-99 employees	4	1			1				1				1								
100 employees and over	1												1								
Ringgold:																					
1-19 employees	5	1							4												
Sac:																					
1-19 employees	16	4							5	3				2			1		1		
20-99 employees	2	2																			
Scott:																					
1-19 employees	95	27	2		2	2	4		15	6			1	7	3	4	13	1	1		7
20-99 employees	29	4			4	2	2	1	3	1				1	1	3	6		1		
100 employees and over	26	8			1				2					1	3	1	8		1	1	
Shelby:																					
1-19 employees	9	2							5					1			1				

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Sioux:																					
1-19 employees	22	5							8	2				4		1	1	1			
20-99 employees	3	2														1					
Story:																					
1-19 employees	29	11							11	1				4		1					1
20-99 employees	12	6							4										1		1
Tama:																					
1-19 employees	10	3							3	1				2					1		
20-99 employees	2	1						1													
100 employees and over	2					1		1													
Taylor:																					
1-19 employees	7	2							4										1		
20-99 employees	2	2																			
Union:																					
1-19 employees	10	4				1			2					3							
20-99 employees	4	3							1												
Van Buren:																					
1-19 employees	7	3							3	1											
20-99 employees	1															1					
Wapello:																					
1-19 employees	26	10	1		1				6				1	2	1	1	3				
20-99 employees	19	7			1			2	1					1	2	2	3				
100 employees and over	5	2															3				
Warren:																					
1-19 employees	6					1				1				2		1					1
20-99 employees	2								1								1				
Washington:																					
1-19 employees	13	4							2					3		1	3				
20-99 employees	6	3							2	1											
100 employees and over	1																				1
Wayne:																					
1-19 employees	9	2			2				2	1							1	1			
Webster:																					
1-19 employees	31	8				2	1	1	5	2	1			3	2	1	3		1		1
20-99 employees	13	3			2					1				4			2		1		
100 employees and over	9	2							1	1				4			1				
Winnebago:																					
1-19 employees	8	5							3												
20-99 employees	3	3																			
Winneshiek:																					
1-19 employees	22	15							3			1		2					1		
20-99 employees	3	1				1			1												
Woodbury:																					
1-19 employees	86	30			3		6	1	15	3	2	1		9	1	2	6			1	6
20-99 employees	37	18				1	2	1	1	3				1	1		2	1	5	1	
100 employees and over	13	6			1	1			1								1	2			1
Worth:																					
1-19 employees	13	9							2	1				1							
Wright:																					
1-19 employees	11	4				1			4	2											
20-99 employees	3	2								1											
100 employees and over	1									1											

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month												
				Number of employees												
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$372,339**	**140,425**	**138,251**	**134,636**	**135,188**	**134,254**	**134,256**	**134,321**	**135,280**	**138,129**	**139,981**	**142,271**	**141,342**	**143,792**	**145,558**
20	Food and kindred products	124,879	46,433	45,608	44,605	43,948	42,632	42,449	43,233	44,921	46,251	47,113	48,919	46,378	48,061	48,785
23	Apparel and related products	7,719	4,466	4,284	4,237	4,225	4,253	4,317	4,268	4,342	4,186	4,325	4,297	4,385	4,220	4,348
24	Lumber and products, exc. furniture	12,253	4,700	4,607	4,419	4,520	4,530	4,560	4,537	4,670	4,683	4,645	4,643	4,687	4,716	4,671
25	Furniture and fixtures	5,412	2,155	2,001	1,880	1,931	1,931	1,922	1,839	1,908	1,960	2,042	2,088	2,136	2,176	2,200
26	Paper and allied products	3,342	1,265	1,265	1,279	1,258	1,227	1,248	1,228	1,247	1,212	1,284	1,267	1,282	1,325	1,326
27	Printing and publishing industries	23,345	9,138	9,049	8,776	8,814	8,882	8,958	8,939	8,888	8,948	9,109	9,199	9,365	9,323	9,392
28	Chemicals and allied products	14,973	5,227	5,127	5,024	5,109	5,076	5,159	5,110	5,119	5,136	5,100	5,036	5,243	5,176	5,234
30	Rubber products	6,754	2,317	2,317	2,362	2,359	2,299	2,291	2,310	2,286	2,255	2,239	2,264	2,313	2,373	2,453
31	Leather and leather products	1,464	835	834	891	864	853	805	748	752	751	795	860	895	912	879
32	Stone, clay, and glass products	11,503	4,613	4,515	4,179	4,197	4,348	4,457	4,510	4,647	4,714	4,739	4,723	4,634	4,573	4,459
33	Primary metal industries	9,086	3,206	3,173	3,215	3,229	3,179	3,204	3,183	2,867	3,114	3,226	3,187	3,216	3,223	3,237
34	Fabricated metal products	15,439	5,271	5,172	5,014	5,218	5,107	5,071	5,156	5,041	4,989	5,276	5,118	5,228	5,461	5,379
35	Machinery (except electrical)	98,225	34,536	34,303	31,948	32,532	32,895	33,249	33,108	32,835	34,717	34,690	35,155	36,061	36,702	37,746
36	Electrical machinery	11,781	5,127	5,118	5,553	5,627	5,568	5,421	5,046	4,629	4,612	4,751	4,986	5,117	5,073	5,033
37	Transportation equipment	7,612	2,861	2,820	2,864	2,894	2,970	2,768	2,773	2,802	2,748	2,763	2,773	2,858	2,805	2,824
38	Instruments and related products	2,177	860	851	834	806	823	844	853	879	865	866	865	871	856	848
39	Miscellaneous manufactures	14,243	6,536	6,329	6,670	6,765	6,774	6,645	6,605	6,591	6,137	6,165	6,029	5,795	5,922	5,847
	All other major industry groups	2,132	879	878	886	892	907	888	875	856	851	853	862	878	895	897

TABLE 9.—DETAILED STATISTICS FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

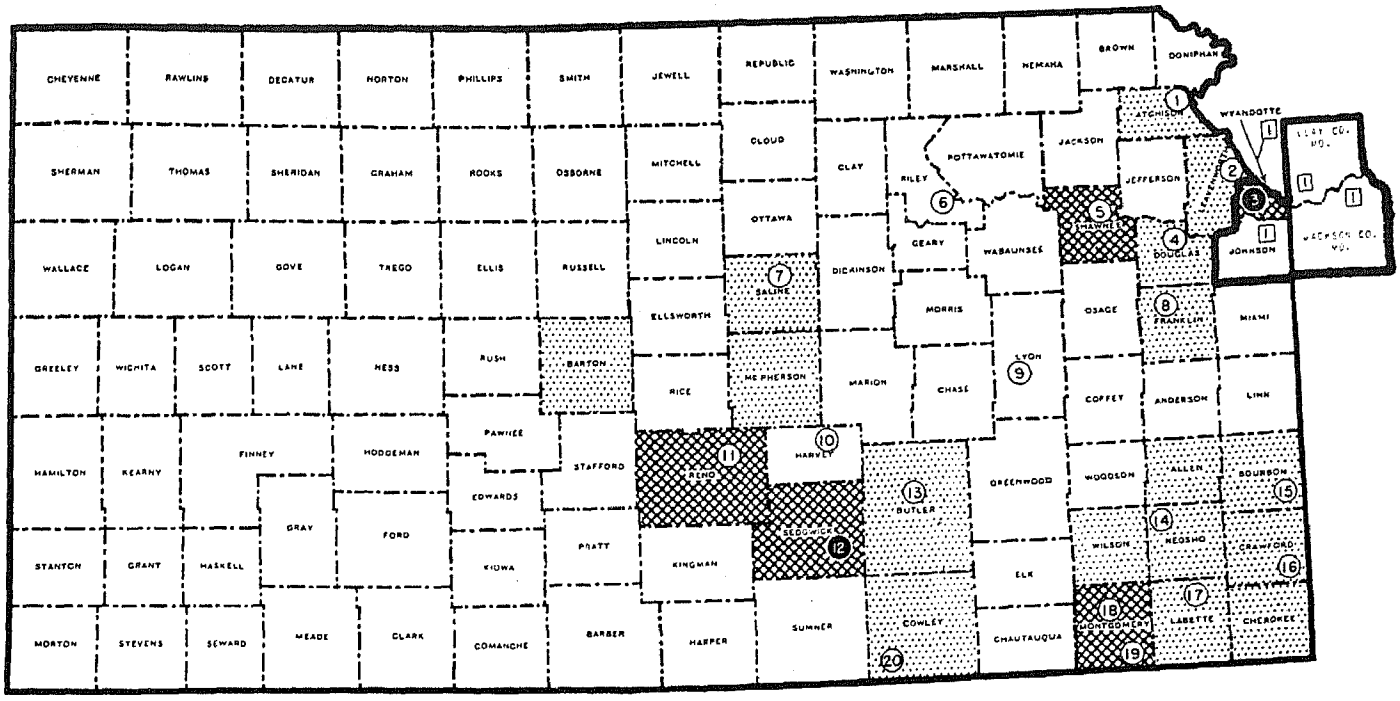
ITEM	Total for the State
ALL ESTABLISHMENTS	
Number of establishments	2,965
Number of employees (average for the year)	140,425
Salaries and wages, total	$372,339
Value added by manufacture	$671,100
Establishments by employment size group:	
1–4 employees	1,079
5–9 employees	586
10–19 employees	445
20–49 employees	404
50–99 employees	210
100–249 employees	156
250–499 employees	38
500–999 employees	26
1,000–2,499 employees	16
2,500 employees and over	5
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	2,126
Number of employees (average for the year)	136,849
Salaries and wages, total	$365,610
Value added by manufacture	$657,316
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	139,836
Male	108,838
Female	30,998
Production workers	111,578
Male	89,423
Female	22,155
Force-account construction workers	97
Administrative, supervisory, sales, and all other	28,161
Male	19,318
Female	8,843
Expenditures for plant and equipment:	
New plant and equipment	$64,686
Construction and major alteration of fixed plants	23,041
Buildings	21,958
Other construction	1,083
Machinery and equipment	41,645
Production machinery and equipment	35,456
Other machinery and equipment	6,189
Used plant and equipment and land	5,751

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	5,135	1,568	2,841	593	43	60	30	29	272
Van	415		282	106	10	9	8		
Stake or platform	1,489	264	970	210	21	12	12		
Panel or light delivery	1,532	1,029	503						
All other	1,699	275	1,086	277	12	39	10		
Truck tractors	228	8	69	79	22	9	41		
Trailers and semitrailers	264							26	58

KANSAS

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Arkansas City	20
Atchison	1
Chanute	14
Coffeyville	19
El Dorado	13
Emporia	9
Fort Scott	15
Hutchinson	11
Independence	18
Kansas City	3
Lawrence	4
Leavenworth	2
Manhattan	6
Newton	10
Ottawa	8
Parsons	17
Pittsburg	16
Salina	7
Topeka	5
Wichita	12

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 500
- 500 TO 2,499
- 2,500 OR MORE

- ○ PLACES OF 10,000 TO 99,999 POPULATION
- ● PLACES OF 100,000 OR MORE POPULATION
- ▬ STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES
- [1] KANSAS CITY AREA

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND THE KANSAS CITY (MO.)-KANSAS CITY (KANS.) METROPOLITAN AREA: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
	KANSAS					
1947	1,946	74,624	$204,801	59,363	$151,269	$461,061
1939 [3]	1,418	42,564	56,412	30,935	36,088	117,391
1937	1,526	42,515	56,107	34,128	40,513	127,348
1935 [4]	1,492	37,666	44,678	30,481	31,518	108,371
1933	1,272	n.a.	n.a.	32,608	31,143	96,850
1931	1,578	n.a.	n.a.	36,042	43,720	124,133
1929	1,916	57,341	85,210	47,373	63,348	205,367
1927	1,767	n.a.	n.a.	45,368	59,925	163,429
1925	1,878	n.a.	n.a.	46,659	59,207	168,048
1923	1,786	n.a.	n.a.	51,255	65,056	150,610
1921	1,926	n.a.	n.a.	44,938	59,208	133,007
1919	3,149	72,479	93,581	60,179	71,888	161,566
1914	3,130	48,775	34,978	41,249	25,965	62,070
1909	3,435	51,078	33,255	44,215	25,904	66,220
1904	2,475	39,291	22,576	35,570	18,883	41,735
1899	2,299	30,731	15,925	27,119	12,802	33,271
	KANSAS CITY (MO.)-KANSAS CITY (KANS.) METROPOLITAN AREA [Consists of Johnson and Wyandotte Counties, Kansas; Clay and Jackson Counties, Missouri]					
1947	1,345	78,645	$218,827	61,698	$156,140	$469,504
1939 [3]	1,023	50,680	73,102	38,085	47,410	147,655
1929 [5]	1,163	54,008	80,401	44,203	57,076	222,620
1919	1,392	n.a.	n.a.	48,546	55,322	129,365

n.a.—Not available.

[1] The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $119.0 million for the State and $148.7 million for the Kansas City (Mo.)-Kansas City (Kans.) Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935-47 exclude, whereas those for 1899-1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $114.1 million. The comparability of the figures for 1899-1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] For the Kansas City (Mo.)-Kansas City (Kans.) Metropolitan Area, the figures for 1929-47 exclude, whereas those for 1919 include, data for those industries given in footnote [4] above which were represented in the area. Value added by manufacture for 1929, including data for these industries, was $230.3 million. The comparability of the figures for 1919 with those for later years is also affected by the inclusion of data for the "Automobile repairing" industry in 1919.

TABLE 2.—GENERAL STATISTICS FOR THE KANSAS CITY (MO.)-KANSAS CITY (KANS.) METROPOLITAN AREA, COUNTIES, AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**1,801,028**	**1,946**	**74,624**	**$204,801**	**59,363**	**$151,269**	**$461,061**	**1,418**	**30,935**	**$117,391**
STANDARD METROPOLITAN AREA										
Kansas City (Mo.)-Kansas City (Kans.) area, total	686,643	1,345	78,645	218,827	61,698	156,140	469,504	1,023	38,085	147,655
Portion in Kansas	178,398	210	21,468	62,517	17,025	47,246	137,646	141	9,495	33,737
Portion in Missouri	508,245	1,135	57,177	156,310	44,673	108,894	331,858	882	28,590	113,918
COUNTIES										
Allen	19,874	18	836	1,959	713	1,567	5,294	15	334	1,885
Anderson	11,658	8	77	127	60	94	182	8	77	(d)
Atchison	22,222	29	1,640	4,138	1,358	3,183	10,419	24	874	2,527
Barber	9,073	7	89	(d)	73	(d)	(d)	4	75	(d)
Barton	25,010	36	564	1,559	407	1,085	4,534	24	209	785
Bourbon	20,944	33	802	1,650	648	1,260	3,516	23	302	708
Brown	17,395	12	114	188	101	164	481	9	40	131
Butler	32,013	26	1,399	4,190	1,080	3,189	19,503	20	840	4,029
Chase	6,345	4	16	19	14	17	34	4	5	20
Chautauqua	9,233	4	21	29	14	18	61	5	11	43

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE KANSAS CITY (MO.)-KANSAS CITY (KANS.) METROPOLITAN AREA, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Continued										
Cherokee	29,817	23	1,378	$3,795	1,020	$2,389	$12,394	14	297	(d)
Cheyenne	6,221	4	16	25	14	18	34	1	(d)	(d)
Clark	4,081	3	6	10	5	8	26	2	(d)	(d)
Clay	13,281	16	140	(d)	117	(d)	(d)	12	81	(d)
Cloud	17,247	14	163	378	117	266	1,017	16	121	$407
Coffey	12,278	7	84	92	72	75	215	3	25	(d)
Comanche	4,412	4	19	(d)	17	(d)	(d)	1	(d)	(d)
Cowley	38,139	44	1,670	4,437	1,380	3,212	10,150	38	596	2,678
Crawford	44,191	47	1,363	3,362	1,094	2,481	6,774	31	609	1,740
Decatur	7,434	4	12	18	12	18	34	4	9	28
Dickinson	22,929	24	488	1,323	384	927	4,705	23	227	866
Doniphan	12,936	3	8	8	5	4	24			
Douglas	25,171	25	835	1,926	690	1,419	4,804	29	482	1,635
Edwards	6,377	3	21	(d)	15	(d)	(d)	4	20	(d)
Elk	8,180	8	33	(d)	30	(d)	(d)	4	9	(d)
Ellis	17,508	12	164	(d)	115	(d)	(d)	10	66	(d)
Ellsworth	9,855	10	133	(d)	113	(d)	(d)	4	20	(d)
Finney	10,092	11	292	701	238	525	1,197	15	162	445
Ford	17,254	22	264	683	205	474	2,109	19	121	449
Franklin	20,889	21	721	1,348	615	1,049	4,085	15	159	490
Geary	15,222	12	165	391	115	256	821	11	51	200
Gove	4,793	3	6	7	5	6	8			
Graham	6,071	3	8	(d)	6	(d)	(d)	1	(d)	(d)
Grant	1,946	4	277	(d)	240	(d)	(d)	1	(d)	(d)
Gray	4,773	3	4	7	4	7	16			
Greeley	1,638	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Greenwood	16,495	11	62	112	51	93	254	7	19	54
Hamilton	2,645	3	6	7	4	5	25	1	(d)	(d)
Harper	12,068	12	90	210	75	155	443	9	28	90
Harvey	21,712	25	338	882	271	657	4,195	19	222	991
Haskell	2,088	2	(d)	(d)	(d)	(d)	(d)			
Hodgeman	3,535	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Jackson	13,382	8	46	97	34	61	265	9	45	116
Jefferson	12,718	7	53	124	44	102	170	4	24	(d)
Jewell	11,970	4	12	17	8	12	54	3	(d)	(d)
Johnson	33,327	24	324	720	273	543	1,225	15	102	230
Kearny	2,525	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Kingman	12,001	6	54	(d)	44	(d)	(d)	5	35	(d)
Kiowa	5,112	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Labette	30,352	34	578	1,198	468	941	1,557	22	226	599
Lane	2,821	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Leavenworth	41,112	28	1,258	2,896	1,098	2,404	6,328	26	577	1,581
Lincoln	8,338	3	7	9	7	9	15	5	6	(d)
Linn	11,969	7	29	40	24	33	64	3	14	(d)
Logan	3,088	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Lyon	26,424	32	388	978	280	518	1,895	22	139	505
McPherson	24,152	26	648	2,089	513	1,535	12,198	28	380	2,473
Marion	18,951	12	231	446	107	200	878	14	59	176
Marshall	20,986	20	363	727	314	583	1,585	13	125	401
Meade	5,522	4	20	27	15	22	70	2	(d)	(d)
Miami	19,489	15	267	435	209	312	923	8	22	82
Mitchell	11,339	11	97	164	82	138	484	9	46	88
Montgomery	40,729	79	3,899	9,876	3,323	7,993	23,460	57	2,230	9,165
Morris	10,363	4	26	48	20	37	106	6	36	(d)
Morton	2,186	3	5	7	4	6	22	1	(d)	(d)
Nemaha	16,761	14	167	393	120	286	935	9	76	(d)
Neosho	22,210	30	697	1,572	604	1,313	4,399	19	393	1,742
Ness	6,864	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Norton	9,831	11	62	168	41	95	373	10	68	196
Osage	15,118	9	55	75	49	61	115	8	43	(d)
Osborne	9,835	7	27	35	22	29	89	6	14	28
Ottawa	9,224	7	51	88	41	57	174	5	16	47
Pawnee	10,300	13	151	328	103	227	763	10	37	130
Phillips	10,435	7	76	(d)	67	(d)	(d)	3	42	(d)
Pottawatomie	14,015	11	67	157	49	111	476	7	17	69
Pratt	12,348	8	87	210	65	125	301	8	48	197
Rawlins	6,618	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Reno	52,165	75	2,607	7,106	2,124	5,127	17,952	54	1,168	4,326
Republic	13,124	7	33	68	26	56	139	6	14	51
Rice	17,213	14	223	544	184	426	1,739	10	223	757
Riley	20,617	24	251	553	196	410	1,077	15	92	320
Rooks	8,497	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Rush	8,285	3	13	24	10	18	61	3	14	(d)
Russell	13,464	9	69	(d)	62	(d)	(d)	7	30	(d)
Saline	29,535	50	1,213	3,505	868	2,169	8,593	41	625	4,213
Scott	3,773	3	90	(d)	70	(d)	(d)	4	27	(d)
Sedgwick	143,311	326	16,953	49,869	13,584	36,696	85,367	185	5,019	17,502
Seward	6,540	12	145	399	112	298	822	8	69	267
Shawnee	91,247	119	5,974	16,444	4,448	11,334	29,317	105	2,481	11,461
Sheridan	5,312	2	(d)	(d)	(d)	(d)	(d)			

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE KANSAS CITY (MO.)-KANSAS CITY (KANS.) METROPOLITAN AREA, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Continued										
Sherman	6,421	7	47	$100	34	$65	$159	7	19	$60
Smith	10,582	6	90	171	75	133	203	5	30	52
Stafford	10,487	6	43	(d)	35	(d)	(d)	3	21	(d)
Stanton	1,443	1	(d)	(d)	(d)	(d)	(d)			
Stevens	3,193	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Sumner	26,163	25	376	1,011	316	714	2,225	18	165	531
Thomas	6,425	4	14	31	10	25	50	1	(d)	(d)
Trego	5,822	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Wabaunsee	9,219	3	12	(d)	10	(d)	(d)	1	(d)	(d)
Wallace	2,216	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Washington	15,921	9	47	(d)	35	(d)	(d)	6	28	(d)
Wichita	2,185	10	192	745	110	215	1,141	3	10	(d)
Wilson	17,723	24	958	2,478	737	1,722	6,807	21	512	1,755
Woodson	8,014	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Wyandotte	145,071	186	21,144	61,797	16,752	46,703	136,421	126	9,393	33,507
URBAN PLACES										
Arkansas City	12,752	18	844	2,355	714	1,680	4,094	15	149	946
Atchison	12,648	28	(d)	(d)	(d)	(d)	(d)	23	(d)	(d)
Chanute	10,142	20	305	579	258	466	1,306	6	22	79
Coffeyville	17,355	38	1,944	5,319	1,589	4,107	10,632	26	750	2,318
El Dorado	10,045	11	96	192	71	127	371	7	50	154
Emporia	13,188	28	290	(d)	197	(d)	(d)	19	109	(d)
Fort Scott	10,557	30	777	(d)	627	(d)	(d)	20	237	(d)
Hutchinson	30,013	61	2,160	(d)	1,743	(d)	(d)	47	822	(d)
Independence	11,565	23	515	1,002	433	775	2,380	13	53	285
Kansas City	121,458	160	19,298	56,883	15,197	42,866	127,123	114	8,665	31,353
Lawrence	14,390	18	578	1,466	457	1,017	3,589	25	424	(d)
Leavenworth	19,220	26	(d)	(d)	(d)	(d)	(d)	24	(d)	(d)
Manhattan	11,659	17	203	468	153	341	801	13	84	(d)
Newton	11,048	15	263	766	214	584	3,988	15	194	(d)
Ottawa	10,193	17	681	1,276	583	995	3,879	13	150	(d)
Parsons	14,294	26	506	(d)	413	(d)	(d)	16	200	(d)
Pittsburg	17,571	26	1,109	2,898	889	2,147	5,251	20	531	1,560
Salina	21,073	46	1,177	(d)	836	(d)	(d)	36	582	(d)
Topeka	67,833	107	4,745	(d)	3,454	(d)	(d)	101	2,450	(d)
Wichita	114,966	287	9,626	25,971	7,463	18,123	51,034	170	3,678	13,281

d Withheld to avoid disclosing figures for individual companies.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947									1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**1,946**	**74,624**	**$204,801**	**59,363**	**129,308**	**$151,269**	**$461,061**	**$36,787**	**$11,739**	**$25,048**	**1,418**	**30,935**	**$117,391**
20	Food and kindred products	719	27,614	73,849	21,735	48,818	53,994	151,922	9,245	2,543	6,702	730	14,975	51,066
23	Apparel and related products	54	2,175	3,432	1,945	3,632	2,730	6,818	143	27	116	19	596	911
24	Lumber and products, except furniture	45	935	2,085	806	1,738	1,620	3,731	224	78	146	37	581	1,146
25	Furniture and fixtures	45	1,019	2,307	919	1,941	1,922	3,492	154	5	149	25	469	1,035
26	Paper and allied products	9	1,357	3,827	1,175	2,677	3,068	12,024	1,117	479	638	9	769	2,352
27	Printing and publishing industries	453	5,651	13,445	3,394	6,950	7,678	26,201	843	309	534	321	2,343	12,149
28	Chemicals and allied products	74	5,134	16,222	3,929	8,372	11,254	66,990	5,113	1,961	3,152	44	2,026	13,010
29	Petroleum and coal products	34	4,549	14,829	3,554	8,937	11,154	51,118	6,362	1,509	4,853	34	3,073	15,804
31	Leather and leather products	10	138	273	133	284	238	466	22	6	16	2	(d)	(d)
32	Stone, clay, and glass products	128	3,305	8,006	2,853	5,933	6,431	17,527	6,707	2,097	4,610	56	1,418	6,363
34	Fabricated metal products	86	3,977	11,462	3,166	6,751	8,169	22,037	2,044	865	1,179	39	1,264	3,228
35	Machinery (except electrical)	134	5,023	13,170	4,185	8,808	10,128	28,024	1,971	795	1,176	43	1,178	4,132
37	Transportation equipment	37	9,847	31,314	8,254	17,115	24,437	51,344	1,547	543	1,004	8	1,100	2,850
39	Miscellaneous manufactures	63	628	1,583	524	1,090	1,142	2,386	118	75	43	30	291	834
	All other major industry groups	55	3,272	8,997	2,791	6,262	7,295	16,981	1,177	447	730	21	(d)	(d)

d Withheld to avoid disclosing figures for individual companies.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	Industry: Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [1]	**1,946**	**1,407**	**414**	**125**	**74,624**	**$204,801**	**30,935**	**59,363**	**$151,269**	**$461,061**	**$36,787**
20	Food and kindred products	719	504	179	36	27,614	73,849	14,975	21,735	53,994	151,922	9,245
201	Meat products	83	48	23	12	13,954	38,960	8,173	11,271	30,319	52,257	2,228
2011	Meat packing, wholesale	59	35	14	10	13,241	37,533	7,384	10,661	29,199	49,170	2,089
202	Dairy products	84	60	21	3	1,640	3,643	[2] 1,322	1,213	2,531	8,971	1,593
2021	Creamery butter	38	24	12	2	851	1,855	889	572	1,195	4,061	952
2022	Natural cheese	13	12	1	----------	141	280	82	119	226	598	93
2023	Concentrated milk	13	7	5	1	398	939	159	329	714	3,310	288
2035	Pickles and sauces	6	4	1	1	205	439	37	179	340	913	28
204	Grain-mill products	207	126	68	13	6,224	18,297	2,787	4,964	13,243	66,753	3,480
2041	Flour and meal	69	14	45	10	4,335	13,836	2,418	3,475	9,896	55,623	2,090
205	Bakery products	98	65	30	3	2,187	5,508	[2] 1,626	1,459	2,912	9,079	794
2051	Bread and other bakery products	95	64	28	3	2,097	5,274	(d)	1,385	2,754	8,699	782
2081	Bottled soft drinks	99	90	9	----------	810	1,844	238	478	838	3,828	711
209	Miscellaneous food preparations	131	104	25	2	2,182	4,301	623	1,800	3,140	8,615	376
2097	Manufactured ice	81	70	11	----------	805	1,588	458	601	1,150	3,083	181
2099	Liquid, frozen, and dried eggs	14	3	9	2	1,088	2,043	(d)	966	1,527	3,671	128
23	Apparel and related products	54	27	20	7	2,175	3,432	596	1,945	2,730	6,818	143
232	Men's and boys' furnishings	11	3	5	3	685	895	130	617	704	1,624	16
2329	Men's and boys' clothing, n.e.c.	6	1	3	2	430	692	(d)	382	537	1,230	13
233	Women's and misses' outerwear	11	3	7	1	521	697	209	469	578	1,415	59
2334	Dresses, dozen price	6	2	3	1	299	381	(d)	285	348	730	38
239	Miscellaneous fabricated textiles	26	19	6	1	573	1,166	208	483	860	2,696	54
2394	Canvas products	15	12	3	----------	185	340	43	154	260	867	15
24	Lumber and products, except furniture	45	28	16	1	935	2,085	581	806	1,629	3,731	224
243	Millwork and related products	24	16	7	1	490	1,125	247	418	884	1,841	172
244	Wooden containers	11	7	4	----------	188	365	174	168	295	645	18
25	Furniture and fixtures	45	33	10	2	1,019	2,307	469	919	1,922	3,492	154
251	Household furniture	23	16	5	2	747	1,702	373	679	1,467	2,554	133
2511	Wood house furniture, except upholst.	12	7	4	1	470	1,010	109	432	876	1,117	102
26	Paper and allied products	9	2	1	6	1,357	3,827	769	1,175	3,068	12,024	1,117
27	Printing and publishing industries	453	397	47	9	5,651	13,445	2,343	3,394	7,678	26,201	843
2711	Newspapers	274	241	29	4	3,180	6,958	1,339	1,871	4,141	13,510	214
273	Books	5	1	3	1	281	1,082	(d)	181	470	2,113	176
2751	Commercial printing	119	105	12	2	1,042	2,216	622	822	1,679	3,664	328
2761	Lithographing	10	8	2	----------	181	520	86	135	363	828	28
28	Chemicals and allied products	74	44	18	12	5,134	16,222	2,026	3,929	11,254	66,990	5,113
283	Drugs and medicines	15	12	3	----------	255	712	104	173	404	1,912	15
288	Vegetable and animal oils	18	10	8	----------	512	1,686	112	435	1,173	5,950	570
2886	Grease and tallow	12	7	5	----------	333	1,186	(d)	287	864	2,372	425
289	Miscellaneous chemical products	20	9	6	5	1,099	3,090	542	921	2,399	8,501	1,077
29	Petroleum and coal products	34	13	10	11	4,549	14,829	3,073	3,554	11,154	51,118	6,362
2992	Lubricants, n.e.c.	10	8	2	----------	162	439	67	93	193	957	30
30	Rubber products	2	1	----------	1	(d)	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	10	8	2	----------	138	273	(d)	133	238	466	22
3141	Footwear, except rubber	4	2	2	----------	104	219	(d)	99	184	395	22
32	Stone, clay, and glass products	128	101	19	8	3,305	8,006	1,418	2,853	6,431	17,527	6,707
3241	Cement, hydraulic	7	1	----------	6	1,361	3,485	602	1,162	2,727	10,424	1,220
325	Structural clay products	12	2	9	1	648	1,439	435	572	1,211	2,534	1,423
327	Concrete and plaster products	97	87	9	1	1,200	2,880	257	1,039	2,330	4,141	(d)
3271	Concrete products	94	87	7	----------	491	1,050	131	440	844	1,933	335
33	Primary metal industries	32	16	11	5	1,379	(d)	786	1,226	(d)	(d)	(d)
34	Fabricated metal products	86	61	20	5	3,977	11,462	1,264	3,166	8,169	22,037	2,044
344	Structural metal products	34	18	12	4	1,651	4,665	650	1,289	3,208	7,568	603
3441	Structural and ornamental products	12	3	6	3	1,025	2,819	434	798	1,915	6,278	107
35	Machinery (except electrical)	134	87	37	10	5,023	13,170	1,178	4,185	10,128	28,024	1,971
352	Tractors and farm machinery	37	25	10	2	1,308	3,490	70	1,085	2,677	8,545	947
353	Construction and mining machinery	14	4	7	3	1,614	4,218	776	1,310	3,137	8,197	284
355	Special-industry machinery, n.e.c.	18	10	5	3	757	1,949	150	652	1,589	4,319	317
3551	Food-products machinery	9	3	5	1	383	1,073	(d)	323	851	2,294	229
356	General industrial machinery	16	9	7	----------	360	1,045	135	284	739	1,977	244
359	Miscellaneous machinery parts	28	24	2	2	511	1,152	(d)	457	996	2,965	118
36	Electrical machinery	15	9	3	3	800	(d)	25	665	(d)	(d)	(d)
37	Transportation equipment	37	19	9	9	9,847	31,314	1,100	8,254	24,437	51,344	1,547
38	Instruments and related products	6	5	1	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	63	52	11	----------	628	1,583	291	524	1,142	2,386	118
394	Toys and sporting goods	14	10	4	----------	160	327	(d)	144	279	518	5
399	Miscellaneous manufactures	39	34	5	----------	374	976	208	303	684	1,574	106
3993	Signs and advertising displays	21	19	2	----------	181	551	87	140	383	793	34

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

TABLE 5.—GENERAL STATISTICS FOR THE KANSAS CITY (MO.)-KANSAS CITY (KANS.) METROPOLITAN AREA,[1] BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	All industries, total [2]	**1,345**	**78,645**	**$218,827**	**61,698**	**$156,140**	**$469,504**	**$50,037**
20	Food and kindred products	226	20,930	60,192	15,815	42,781	126,242	10,131
201	Meat products	37	10,086	29,399	8,025	22,833	39,604	989
2011	Meat packing, wholesale	21	9,593	28,095	7,631	21,900	36,109	963
202	Dairy products	19	619	1,706	411	1,120	3,247	555
2021	Creamery butter	7	222	555	153	407	1,000	116
203	Canning, preserving, and freezing	9	242	515	191	334	1,253	77
204	Grain-mill products	39	2,795	9,037	2,121	6,637	31,773	1,667
2041	Flour and meal	9	1,604	5,380	1,256	4,299	20,803	1,235
205	Bakery products	33	3,591	9,841	2,390	5,335	18,018	1,073
208	Beverages	25	948	2,884	514	1,227	8,154	1,297
2081	Bottled soft drinks	21	536	1,477	250	545	3,725	558
209	Miscellaneous food preparations	54	2,168	5,845	1,820	4,599	22,273	(d)
2097	Manufactured ice	13	432	1,045	351	816	1,984	99
2099	Liquid, frozen, and dried eggs	4	208	371	187	291	832	11
22	Textile mill products	4	138	215	127	200	467	146
229	Miscellaneous textile goods	4	138	215	127	200	467	146
23	Apparel and related products	133	8,254	18,414	7,095	13,329	30,929	875
231	Men's and boys' suits and coats	5	232	538	177	413	733	4
232	Men's and boys' furnishings	29	2,759	5,999	2,411	4,506	8,624	79
2321	Men's dress shirts and nightwear	7	312	583	282	491	1,019	9
2325	Men's and boys' cloth hats and caps	6	180	353	160	300	757	7
2329	Men's and boys' clothing, n.e.c.	9	1,089	3,693	1,464	2,751	4,879	48
233	Women's and misses' outerwear	40	3,343	7,957	2,833	5,451	14,159	606
2333	Dresses, unit price	6	241	509	204	361	821	51
2334	Dresses, dozen price	11	1,412	3,300	1,193	2,391	5,381	269
2335	Women's suits and coats	15	1,467	3,835	1,236	2,438	7,308	279
2339	Women's outer wear, n.e.c.	4	128	221	110	181	479	5
236	Children's outerwear	7	167	272	144	220	467	12
238	Miscellaneous apparel and accessories	4	168	278	144	205	635	7
239	Miscellaneous fabricated textiles	41	1,460	3,155	1,280	2,366	5,878	162
2393	Textile bags	6	796	1,796	713	1,332	3,208	116
2399	Fabricated textile products, n.e.c.	8	260	559	210	401	1,367	22
24	Lumber and products, except furniture	33	1,137	2,925	970	2,329	5,349	240
242	Lumber and timber basic products	4	189	506	164	384	779	52
243	Millwork and related products	10	365	915	294	687	1,899	63
244	Wooden containers	9	346	976	307	832	1,526	30
249	Miscellaneous wood products	10	237	528	205	426	1,145	95
25	Furniture and fixtures	52	1,296	3,487	1,099	2,690	6,024	143
251	Household furniture	25	582	1,517	511	1,203	3,219	52
2512	Household furniture, upholstered	10	132	362	120	287	515	9
2515	Mattresses and bedsprings	9	391	1,032	338	819	2,496	35
2541	Partitions and fixtures	17	400	1,184	355	1,008	1,422	56
26	Paper and allied products	23	2,622	6,598	2,304	5,238	18,143	1,311
2651	Envelopes	4	379	1,124	317	744	2,548	154
267	Paperboard containers and boxes	10	1,244	2,904	1,112	2,301	6,378	427
269	Pulp goods and misc. paper products	6	561	1,562	476	1,330	5,108	(d)
27	Printing and publishing industries	253	6,861	19,112	4,177	10,607	41,147	1,175
2711	Newspapers	35	1,937	5,216	1,079	3,151	12,751	105
2721	Periodicals	22	570	1,570	249	678	3,075	133
2741	Miscellaneous publishing	7	244	534	96	136	1,457	4
2751	Commercial printing	118	1,513	4,200	1,251	3,200	7,036	458
2761	Lithographing	23	423	1,426	317	947	2,514	175
279	Printing trades service industries	30	394	1,332	281	898	2,178	69
2793	Photoengraving	9	133	565	83	368	844	18
28	Chemicals and allied products	104	4,592	14,034	2,946	8,231	61,095	3,266
2851	Paints and varnishes	18	935	2,839	631	1,583	8,614	664
289	Miscellaneous chemical products	39	895	2,275	443	903	7,938	439
2896	Compressed and liquefied gases	7	160	406	107	259	1,154	(d)
2899	Chemical products, n.e.c.	15	161	452	69	147	1,111	57
29	Petroleum and coal products	20	2,879	9,476	2,226	6,935	18,818	(d)
2911	Petroleum refining	4	2,019	7,163	1,574	5,385	12,217	(d)
2952	Roofing felts and coatings	5	472	1,251	377	937	3,594	130
299	Miscellaneous petroleum and coal products	11	388	1,062	275	613	3,007	208
30	Rubber products	3	38	(d)	23	(d)	(d)	(d)
31	Leather and leather products	15	792	1,802	676	1,308	2,535	73
3161	Luggage	9	683	1,595	586	1,154	2,196	57
32	Stone, clay, and glass products	52	1,945	5,040	1,501	3,498	7,824	5,078
327	Concrete and plaster products	28	1,252	3,300	956	2,290	3,894	(d)
329	Miscellaneous nonmetallic mineral products	11	169	442	113	246	595	19
33	Primary metal industries	37	5,760	17,334	5,095	14,202	24,961	5,795
332	Iron and steel foundries	8	619	1,711	566	1,483	2,717	129
3361	Nonferrous foundries	22	740	2,286	661	1,967	3,478	418

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR THE KANSAS CITY (MO.)–KANSAS CITY (KANS.) METROPOLITAN AREA,[1] BY INDUSTRY: 1947—Continued

INDUSTRY		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
34	Fabricated metal products	129	7,178	$20,196	5,965	$14,988	$33,692	$1,789
3411	Tin cans and other tinware	3	412	1,086	361	928	2,637	44
342	Cutlery, hand tools, and hardware	13	417	1,558	298	896	2,817	69
3423	Hand tools, n.e.c.	6	324	1,296	261	819	2,405	68
343	Heating and plumbing equipment	9	603	1,451	550	1,242	2,575	222
344	Structural metal products	42	4,173	11,970	3,361	8,552	18,786	1,208
3441	Structural and ornamental products	11	764	2,291	579	1,380	3,693	83
3443	Boiler shop products	10	2,965	8,431	2,398	6,255	13,214	1,076
3463	Metal stampings	10	152	(d)	139	(d)	(d)	(d)
3468	Plating and polishing	11	153	447	133	344	633	23
3471	Lighting fixtures	14	245	634	208	411	1,055	17
3489	Wirework, n.e.c.	10	418	972	382	829	1,456	33
35	Machinery (except electrical)	93	3,614	10,372	2,812	6,946	22,749	888
3522	Farm machinery (except tractors)	11	627	1,699	501	1,212	5,390	137
355	*Special-industry machinery, n.e.c.*	*22*	*463*	*1,565*	*278*	*695*	*3,233*	*56*
3551	Food-products machinery	11	394	1,379	222	562	2,861	49
356	General industrial machinery	13	393	1,376	296	945	2,068	187
358	Service and household machines	11	1,433	3,790	1,135	2,584	8,368	289
359	Miscellaneous machinery parts	23	216	690	192	498	1,505	53
36	Electrical machinery	35	1,031	2,556	829	1,857	4,551	118
361	Electrical industrial apparatus	13	305	744	248	548	1,643	24
369	Miscellaneous electrical products	6	119	321	85	209	969	34
37	Transportation equipment	26	7,165	(d)	6,013	(d)	(d)	(d)
38	Instruments and related products	21	468	(d)	365	(d)	(d)	(d)
39	Miscellaneous manufactures	86	1,945	(d)	1,660	(d)	(d)	(d)

[d] Withheld to avoid disclosing figures for individual companies.
[1] The Kansas City (Mo.)–Kansas City (Kans.) Metropolitan Area consists of Johnson and Wyandotte Counties, Kansas; Clay and Jackson Counties, Missouri.
[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATISTICS FOR WYANDOTTE COUNTY, BY INDUSTRY GROUPS: 1947

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY GROUP		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	All industries, total [1]	**186**	**21,144**	**$61,797**	**16,752**	**$46,703**	**$136,421**	**$12,295**
20	Food and kindred products	53	11,192	32,379	8,905	25,168	47,479	1,712
201	Meat products	*21*	*9,738*	*28,416*	*7,747*	*22,159*	*37,555*	872
202	Dairy products	4	109	283	81	194	471	96
204	Grain-mill products	11	701	2,193	614	1,882	6,334	451
23	Apparel and related products	5	253	(d)	208	(d)	(d)	(d)
24	Lumber and products, except furniture	7	240	(d)	197	(d)	(d)	(d)
214	Wooden containers	3	108	277	96	215	464	----------
25	Furniture and fixtures	4	252	(d)	221	(d)	(d)	(d)
26	Paper and allied products	3	816	2,272	706	1,860	8,069	704
27	Printing and publishing industries	29	283	(d)	154	(d)	(d)	(d)
271	Newspapers	6	149	341	71	181	621	1
28	Chemicals and allied products	19	1,927	(d)	1,385	(d)	(d)	(d)
283	Drugs and medicines	7	192	526	129	308	1,315	12
29	Petroleum and coal products	7	1,057	(d)	784	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	10	856	(d)	701	(d)	(d)	(d)
33	Primary metal industries	3	256	(d)	211	(d)	(d)	(d)
34	Fabricated metal products	13	914	2,669	707	1,772	2,944	325
35	Machinery (except electrical)	15	255	749	209	590	2,189	94
36	*Electrical machinery*	6	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	*3*	*(d)*	*(d)*	*(d)*	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	7	106	(d)	94	(d)	(d)	(d)

[d] Withheld to avoid disclosing figures for individual companies.
[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	1,946	719			54	45	45	9	453	74	34	2	10	128	32	86	134	15	37	6	63
1-19 employees	1,407	504			27	28	33	2	397	44	13	1	8	101	16	61	87	9	19	5	52
20-99 employees	414	179			20	16	10	1	47	18	10		2	19	11	20	37	3	9	1	11
100 employees and over	125	36			7	1	2	6	9	12	11	1		8	5	5	10	3	9		
Allen:																					
1-19 employees	9	5							2					2							
20-99 employees	7	2			1				1					2	1						
100 employees and over	2													2							
Anderson:																					
1-19 employees	7	2				1			2					1		1					
20-99 employees	1						1														
Atchison:																					
1-19 employees	15	5			2				4					1	1	1	1				
20-99 employees	7	2			1				2												
100 employees and over	7	3								1							1	1	1	1	1
Barber:																					
1-19 employees	6	4							1					1							
20-99 employees	1													1							
Barton:																					
1-19 employees	25	9							7					4			1		2		2
20-99 employees	11	9				1			1												
Bourbon:																					
1-19 employees	20	6					1		2		1			4	3	3					
20-99 employees	12	5					1		2					1			3				
100 employees and over	1				1																
Brown:																					
1-19 employees	11	3			1				3	1				2			1				
20-99 employees	1				1																
Butler:																					
1-19 employees	16	6					1		4					1			2		1		1
20-99 employees	7	2					1		1		1				1				1		
100 employees and over	3										3										
Chase:																					
1-19 employees	4	1							2							1					
Chautauqua:																					
1-19 employees	4	1							1										1	1	
Cherokee:																					
1-19 employees	16	4							6	1				3			2				
20-99 employees	4				1									1	1		1				
100 employees and over	3				1					2											
Cheyenne:																					
1-19 employees	4	1							1					2							
Clark:																					
1-19 employees	3	1							2												
Clay:																					
1-19 employees	14	7							4					2							1
20-99 employees	2	2																			
Cloud:																					
1-19 employees	9	4							3					2							
20-99 employees	5	3							1					1							
Coffey:																					
1-19 employees	6	2							4												
20-99 employees	1				1																
Comanche:																					
1-19 employees	4	1							2								1				
Cowley:																					
1-19 employees	26	13				1	1		1	2				5	1	1					1
20-99 employees	13	7							2							2	2				
100 employees and over	5	3									1								1		
Crawford:																					
1-19 employees	34	19			2	1	1		6	1				2		2					
20-99 employees	11	6							3					1							1
100 employees and over	2																				
Decatur:																					
1-19 employees	4	2															2				
Dickinson:																					
1-19 employees	18	10							5	1				2							
20-99 employees	5	4							1												
100 employees and over	1																				
Doniphan:																	1				
1-19 employees	3								3												
Douglas:																					
1-19 employees	13	4							7					1		1					
20-99 employees	9	5				1			2												
100 employees and over	3	1						2													1
Edwards:																					
1-19 employees	3	1							1					1							
Elk:																					
1-19 employees	8	5							3												
Ellis:																					
1-19 employees	9	6					1							2							
20-99 employees	3	1							1	1											
Ellsworth:																					
1-19 employees	8	2							5					1							
20-99 employees	2	1								1											
Finney:																					
1-19 employees	8	4							1					3							
20-99 employees	2	2																			
100 employees and over	1	1																			
Ford:																					
1-19 employees	18	9			1				3	1				2			1		1		
20-99 employees	4	2							1								1				

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Franklin:																					
1-19 employees	13	5				3			3					2							
20-99 employees	5	1			1				1								2				
100 employees and over	3	1			1												1				
Geary:																					
1-19 employees	8	6							1					1							
20-99 employees	4	3							1												
Gove:																					
1-19 employees	3								2								1				
Graham:																					
1-19 employees	3	1							1					1							
Grant:																					
1-19 employees	1								1												
20-99 employees	2									2											
100 employees and over	1									1											
Gray:																					
1-19 employees	3	1							2												
Greeley:																					
1-19 employees	1								1												
Greenwood:																					
1-19 employees	11	6							3		1										1
Hamilton:																					
1-19 employees	3	1							2												
Harper:																					
1-19 employees	11	6							3										2		
20-99 employees	1																1				
Harvey:																					
1-19 employees	18	10				1			5			1									1
20-99 employees	6	4							2												
100 employees and over	1	1																			
Haskell:																					
1-19 employees	2								2												
Hodgeman:																					
1-19 employees	1								1												
Jackson:																					
1-19 employees	8	3							4					1							
Jefferson:																					
1-19 employees	6	3							3												
20-99 employees	1	1																			
Jewell:																					
1-19 employees	4	1							3												
Johnson:																					
1-19 employees	19	3				1	1		7	1			1			1	2				2
20-99 employees	5	1			1								1			1					1
Kearny:																					
1-19 employees	1								1												
Kingman:																					
1-19 employees	5								3								1		1		
20-99 employees	1	1																			
Kiowa:																					
1-19 employees	2								2												
Labette:																					
1-19 employees	24	11							6	3				1	2		1				
20-99 employees	9	3			2				2	1						1					
100 employees and over	1									1											
Lane:																					
1-19 employees	1								1												
Leavenworth:																					
1-19 employees	17	9							4					1		1					2
20-99 employees	6	2				2			1								1				
100 employees and over	5				1		1								1	1		1			
Lincoln:																					
1-19 employees	3	2							1												
Linn:																					
1-19 employees	7	1			1	1			3								1				
Logan:																					
1-19 employees	2	1							1												
Lyon:																					
1-19 employees	25	13			2	1			5					1			1	1			1
20-99 employees	7	5							1	1											
McPherson:																					
1-19 employees	18	7							7							2	2				
20-99 employees	7	4							1		1			1							
100 employees and over	1										1										
Marion:																					
1-19 employees	10	3							6								1				
20-99 employees	1	1																			
100 employees and over	1	1																			
Marshall:																					
1-19 employees	15	8			1				5					1							
20-99 employees	5	3												1				1			
Meade:																					
1-19 employees	4	2							2												
Miami:																					
1-19 employees	11	4				1	1		5							1					
20-99 employees	4				3																
Mitchell:																					
1-19 employees	10	6							3					1			1				
20-99 employees	1																				
Montgomery:																					
1-19 employees	46	17			1	2	2		6	3	2			3		1	4	1			4
20-99 employees	23	10							3	1				2	3		4				
100 employees and over	10	1			1	1				1	2			2			2				
Morris:																					
1-19 employees	4	3							1												
Morton:																					
1-19 employees	3	2							1												
Nemaha:																					
1-19 employees	13	6				1			4								2				
100 employees and over	1	1																			
Neosho:																					
1-19 employees	21	11				1			2					1		2	2	1			1
20-99 employees	8	2			1				1		3						1				
100 employees and over	1													1							

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Ness:																					
1-19 employees	1								1												
Norton:																					
1-19 employees	11	6							2					1		2					
Osage:																					
1-19 employees	8	1			1	1			4	1											
20-99 employees	1																				1
Osborne:																					
1-19 employees	7	4							2												1
Ottawa:																					
1-19 employees	7	4							2					1							
Pawnee:																					
1-19 employees	11	3			1				3					1		1	2				
20-99 employees	2	1														1					
Phillips:																					
1-19 employees	6	4							2												
20-99 employees	1										1										
Pottawatomie:																					
1-19 employees	10	4							6												
20-99 employees	1																1				
Pratt:																					
1-19 employees	6	4							2												
20-99 employees	2	1							1												
Rawlins:																					
1-19 employees	2								2												
Reno:																					
1-19 employees	47	22			2		1	1	9	1				4		2	4				1
20-99 employees	19	13			1		1		2	1							1				
100 employees and over	9	3						1		3							1		1		
Republic:																					
1-19 employees	7	3							2	1				1							
Rice:																					
1-19 employees	11	2							4					1			1		2		1
20-99 employees	3	2								1											
Riley:																					
1-19 employees	21	10							6	1				2						1	1
20-99 employees	3	1							1								1				
Rooks:																					
1-19 employees	2								2												
Rush:																					
1-19 employees	3	1							1					1							
Russell:																					
1-19 employees	8	3							3					1							1
20-99 employees	1	1																			
Saline:																					
1-19 employees	35	15			1	1	1		7		1			1		2	2		2		2
20-99 employees	13	8				1			2					1			1				
100 employees and over	2	2																			
Scott:																					
1-19 employees	2	1												1							
20-99 employees	1										1										
Sedgwick:																					
1-19 employees	233	49			6	9	16	1	42	10	3		3	6	6	23	34	1	6	1	17
20-99 employees	72	21			3	2	4	1	4	2	2		1	3	2	8	9	1	5		4
100 employees and over	21	5			1				3		1				2	2	2	1	4		
Seward:																					
1-19 employees	9	5					1							1					1		1
20-99 employees	3	2							1												
Shawnee:																					
1-19 employees	85	25			1	1	3		27	4	1		3	7	1	5	3			1	3
20-99 employees	25	11			1	2	1		2						1	4	2		1		
100 employees and over	9	3							5			1									
Sheridan:																					
1-19 employees	2								2												
Sherman:																					
1-19 employees	7	3							2					2							
Smith:																					
1-19 employees	5	2							2								1				
20-99 employees	1														1						
Stafford:																					
1-19 employees	5	1							4												
20-99 employees	1	1																			
Stanton:																					
1-19 employees	1														1						
Stevens:																					
1-19 employees	1								1												
Sumner:																					
1-19 employees	19	10							8								1				
20-99 employees	6	3				1											1		1		
Thomas:																					
1-19 employees	4	1			1				1					1							
Trego:																					
1-19 employees	1								1												
Wabaunsee:																					
1-19 employees	3	1							2												
Wallace:																					
1-19 employees	1								1												
Washington:																					
1-19 employees	8								7												1
20-99 employees	1	1																			
Wichita:																					
1-19 employees	6	1							2	1				2							
20-99 employees	4				1				1						1		1				
Wilson:																					
1-19 employees	15	4							9					1							1
20-99 employees	6	2							1	1				2							
100 employees and over	3									1	1			1							
Woodson:																					
1-19 employees	1								1												
Wyandotte:																					
1-19 employees	114	26			3	1	2		27	11	4		1	6	1	9	12	5		1	5
20-99 employees	44	17			1	6	1		1	6	1			2		2	3	1	1		2
100 employees and over	28	10			1		1	3	1	2	2			2	2	2			2		

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month												
				Number of employees												
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$204,801**	**74,624**	**73,121**	**70,908**	**71,117**	**72,118**	**71,649**	**73,129**	**75,133**	**74,184**	**73,331**	**73,245**	**74,135**	**73,881**	**74,626**
20	Food and kindred products	73,849	27,614	27,047	25,918	25,563	26,374	25,518	27,151	28,189	28,017	27,881	27,353	27,832	27,380	27,394
23	Apparel and related products	3,432	2,175	2,060	1,960	2,035	2,033	2,014	2,072	2,141	2,147	2,029	1,977	2,133	2,083	2,101
24	Lumber and products, exc. furniture	2,085	935	879	802	823	848	904	896	893	889	906	888	884	921	895
25	Furniture and fixtures	2,307	1,019	948	934	939	897	886	869	831	872	921	987	1,034	1,092	1,110
26	Paper and allied products	3,827	1,357	1,356	1,384	1,403	1,330	1,335	1,379	1,420	1,433	1,330	1,314	1,268	1,324	1,349
27	Printing and publishing industries	13,445	5,651	5,587	5,526	5,573	5,587	5,583	5,613	5,597	5,528	5,530	5,577	5,592	5,656	5,685
28	Chemicals and allied products	16,222	5,134	5,117	4,834	4,903	4,930	4,940	5,074	5,284	5,249	5,158	5,197	5,265	5,294	5,272
29	Petroleum and coal products	14,829	4,549	4,549	4,484	4,454	4,478	4,479	4,521	4,669	4,648	4,588	4,560	4,593	4,546	4,566
31	Leather and leather products	273	138	103	97	99	107	106	104	113	81	113	110	110	98	94
32	Stone, clay, and glass products	8,006	3,305	3,259	2,916	3,094	3,202	3,368	3,138	3,149	3,117	3,218	3,309	3,353	3,467	3,772
34	Fabricated metal products	11,462	3,977	3,850	3,650	3,567	3,723	3,773	3,661	3,681	3,691	3,814	3,906	4,057	4,348	4,324
35	Machinery (except electrical)	13,170	5,023	4,847	4,515	4,757	4,663	4,841	4,779	5,245	5,088	4,947	4,863	4,864	4,794	4,813
37	Transportation equipment	31,314	9,847	9,798	10,281	10,225	10,142	10,031	9,965	10,138	9,761	9,343	9,452	9,451	9,201	9,589
39	Miscellaneous manufactures	1,583	628	552	546	544	563	539	492	515	530	547	568	608	611	561
	All other major industry groups	8,997	3,272	3,169	3,061	3,138	3,241	3,332	3,415	3,268	3,133	3,006	3,184	3,091	3,066	3,101

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE KANSAS CITY (MO.)-KANSAS CITY (KANS.) METROPOLITAN AREA, AND WYANDOTTE COUNTY: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State	Kansas City (Mo.)-Kansas City (Kans.) Metropolitan Area	Wyandotte County
ALL ESTABLISHMENTS			
Number of establishments	1,946	1,345	186
Number of employees (average for the year)	74,624	78,645	21,144
Salaries and wages, total	$204,801	$218,827	$61,797
Value added by manufacture	$461,061	$469,504	$136,421
Establishments by employment size group:			
1-4 employees	735	384	45
5-9 employees	404	250	39
10-19 employees	268	191	30
20-49 employees	287	252	31
50-99 employees	127	132	13
100-249 employees	82	74	13
250-499 employees	19	35	6
500-999 employees	14	16	4
1,000-2,499 employees	8	9	4
2,500 employees and over	2	2	1
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	1,284	969	146
Number of employees (average for the year)	72,031	77,008	20,970
Salaries and wages, total	$200,330	$215,564	$61,449
Value added by manufacture	$452,276	$463,386	$135,772

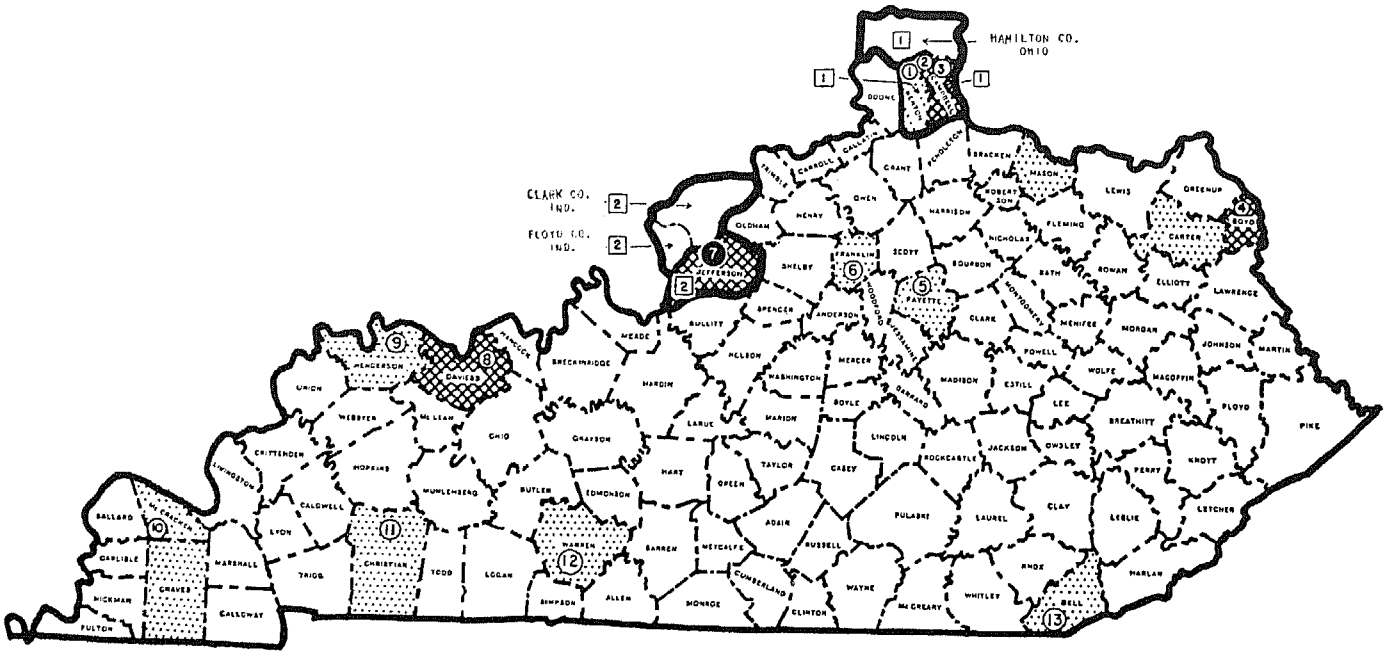
ITEM	Total for the State	Kansas City (Mo.)-Kansas City (Kans.) Metropolitan Area	Wyandotte County
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	73,010	78,708	21,316
Male	61,725	58,894	18,162
Female	11,285	19,814	3,154
Production workers	57,946	61,667	16,933
Male	50,705	47,197	14,744
Female	7,241	14,470	2,189
Force-account construction workers	235	120	21
Administrative, supervisory, sales, and all other	14,829	16,921	4,362
Male	10,786	11,578	3,398
Female	4,043	5,343	964
Expenditures for plant and equipment:			
New plant and equipment	$36,787	$50,037	$12,295
Construction and major alteration of fixed plants	11,739	24,109	2,489
Buildings	8,407	9,481	2,029
Other construction	3,332	14,628	460
Machinery and equipment	25,048	25,928	9,806
Production machinery and equipment	20,402	21,967	8,167
Other machinery and equipment	4,646	3,961	1,639
Used plant and equipment and land	4,738	1,762	165

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	3,238	1,187	1,550	477	14	7	3	42	121
Van	298		155	135	4	3	1		
Stake or platform	789	128	505	148	6	2			
Panel or light delivery	964	764	200						
All other	1,187	295	690	194	4	2	2		
Truck tractors	356	4	42	210	48	14	38		
Trailers and semitrailers	420							46	71

KENTUCKY

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Ashland	4
Bowling Green	12
Covington	1
Fort Thomas	3
Frankfort	6
Henderson	9
Hopkinsville	11
Lexington	5
Louisville	7
Middlesborough	13
Newport	2
Owensboro	8
Paducah	10

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 1,000
- 1,000 TO 4,999
- 5,000 OR MORE

- ○ PLACES OF 10,000 TO 99,999 POPULATION
- ● PLACES OF 100,000 OR MORE POPULATION

STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES

1 CINCINNATI AREA

2 LOUISVILLE AREA

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND ITS STANDARD METROPOLITAN AREAS: 1947 AND EARLIER CENSUS YEARS

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
	KENTUCKY					
1947	2,244	129,504	$304,668	110,602	$235,989	$740,772
1939 [3]	1,582	76,504	89,004	62,481	61,592	186,485
1937	1,624	77,799	84,547	68,998	66,249	181,896
1935 [4]	1,621	69,775	70,481	60,809	53,058	166,386
1933	1,274	n.a.	n.a.	50,085	44,292	123,240
1931	1,621	n.a.	n.a.	56,229	54,432	145,964
1929	2,246	88,553	113,623	77,825	88,644	236,080
1927	1,851	n.a.	n.a.	74,912	83,859	197,132
1925	1,864	n.a.	n.a.	76,580	84,946	198,828
1923	1,975	n.a.	n.a.	76,724	82,648	184,684
1921	2,038	n.a.	n.a.	58,840	62,636	129,080
1919	3,767	79,261	85,845	68,726	66,261	158,498
1914	4,176	73,681	43,128	64,554	31,807	115,383
1909	4,776	74,010	37,491	65,400	27,888	111,975
1904	3,734	65,647	30,310	59,794	24,439	73,209
1899	3,648	56,091	22,639	51,735	18,454	59,102
	CINCINNATI METROPOLITAN AREA [Consists of Campbell and Kenton Counties, Kentucky; Hamilton County, Ohio]					
1947	1,700	135,774	$382,935	108,476	$274,717	$777,201
1939 [3]	1,521	83,466	119,166	72,401	90,159	268,017
1929 [5]	2,189	108,088	167,392	90,468	121,721	359,625
1919	2,721	n.a.	n.a.	97,166	98,908	284,555
	LOUISVILLE METROPOLITAN AREA [Consists of Jefferson County, Kentucky; Clark and Floyd Counties, Indiana]					
1947	743	73,791	$193,664	60,827	$144,107	$488,956
1939 [3]	641	39,770	46,757	35,009	35,581	128,466
1929 [5]	822	49,459	65,304	42,303	48,399	153,178
1919	979	n.a.	n.a.	35,238	34,165	90,721

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and the 1947 figures for the Cincinnati and Louisville Metropolitan Areas include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $187.4 million for the State, $269.4 million for the Cincinnati Metropolitan Area, and $129.0 million for the Louisville Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $178.9 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] For the Cincinnati Metropolitan Area, the figures for 1929–47 exclude, whereas those for 1919 include, data for those industries given in footnote [4] above which were represented in the area. Value added by manufacture for 1929, including data for these industries, was $367.2 million. For the Louisville Metropolitan Area, the figures for 1929, as well as those for 1919, include data for these industries. The comparability of the figures for 1919 with those for later years is also affected by the inclusion of data for the "Automobile repairing" industry in 1919.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**2,845,627**	**2,244**	**129,504**	**$304,668**	**110,602**	**$235,989**	**$740,772**	**1,582**	**62,481**	**$186,485**
STANDARD METROPOLITAN AREAS										
Cincinnati area, total	787,044	1,700	135,774	382,935	108,476	274,717	777,201	1,521	72,401	268,017
Portion in Kentucky	165,057	136	9,171	25,773	7,598	19,512	45,043	107	5,709	16,443
Portion in Ohio	621,987	1,564	126,603	357,162	100,878	255,205	732,158	1,414	66,692	251,574
Louisville area, total	451,473	743	73,791	193,664	60,827	144,107	488,956	641	35,009	128,466
Portion in Kentucky	385,392	640	65,906	174,092	54,555	130,389	419,855	557	30,974	111,447
Portion in Indiana	66,081	103	7,885	19,572	6,272	13,718	69,101	84	4,035	17,019
COUNTIES										
Adair	18,566	13	283	290	274	268	365	9	70	82
Allen	15,496	10	469	586	457	566	952	6	239	221
Anderson	8,936	10	430	875	385	722	2,280	9	140	361
Ballard	9,480	6	44	57	38	45	94	4	33	22
Barren	27,559	25	678	979	627	858	1,878	18	261	334
Bath	11,451	5	64	77	59	69	85	3	14	(d)
Bell	43,812	26	1,115	2,046	1,014	1,713	2,759	18	708	1,099
Boone	10,820	6	82	79	81	75	123	3	27	(d)
Bourbon	17,932	12	565	(d)	505	(d)	(d)	5	14	(d)
Boyd	45,938	47	5,021	14,897	4,340	12,099	31,329	31	3,597	12,466

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Continued										
Boyle	17,075	14	823	$1,303	718	$1,008	$1,877	12	520	$1,015
Bracken	9,389	7	363	545	341	498	1,025	4	239	300
Breathitt	23,946	2	(d)	(d)	(d)	(d)	(d)	----	----	----
Breckinridge	17,744	17	237	324	216	271	742	12	129	434
Bullitt	9,511	3	90	(d)	81	(d)	(d)	1	(d)	(d)
Butler	14,371	9	34	27	33	26	45	----	----	----
Caldwell	14,499	9	511	714	480	622	903	9	623	565
Calloway	19,041	17	440	707	400	593	983	9	180	187
Campbell	71,918	48	5,502	15,112	4,811	12,513	20,795	33	3,814	8,900
Carlisle	7,650	5	54	41	54	41	69	2	(d)	(d)
Carroll	8,657	9	374	783	331	643	1,126	6	120	205
Carter	25,545	10	1,011	2,320	964	2,161	3,617	8	787	1,053
Casey	19,962	9	41	48	41	48	95	3	12	21
Christian	36,129	33	1,555	2,495	1,433	2,059	5,602	23	520	935
Clark	17,988	10	284	384	262	319	767	9	234	359
Clay	23,901	9	87	107	86	102	191	2	(d)	(d)
Clinton	10,279	4	30	45	29	44	59	1	(d)	(d)
Crittenden	12,115	7	25	29	24	27	130	4	17	(d)
Cumberland	11,923	6	63	70	63	70	102	7	33	36
Daviess	52,335	74	5,821	12,455	5,072	10,003	42,092	55	2,814	6,495
Edmonson	11,344	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Elliott	8,713	1	(d)	(d)	(d)	(d)	(d)	----	----	----
Estill	17,978	9	85	89	81	79	140	6	258	(d)
Fayette	78,899	95	3,568	7,172	2,859	5,155	12,855	57	623	4,253
Fleming	13,327	2	(d)	(d)	(d)	(d)	(d)	6	(d)	(d)
Floyd	52,986	5	34	43	33	40	86	5	29	42
Franklin	23,308	19	3,169	6,128	2,698	4,725	39,036	16	1,245	2,793
Fulton	15,413	14	200	336	158	244	809	13	591	613
Gallatin	4,307	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Garrard	11,910	4	23	36	18	30	58	3	13	(d)
Grant	9,876	3	42	58	40	53	105	2	(d)	(d)
Graves	31,763	25	2,891	5,283	2,739	4,867	11,107	17	1,255	2,402
Grayson	17,562	11	253	319	231	262	439	6	8	33
Green	12,321	8	133	158	121	130	492	7	34	51
Greenup	24,917	12	326	732	299	611	1,630	7	201	610
Hancock	6,807	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Hardin	29,108	16	352	585	292	451	1,670	12	326	475
Harlan	75,275	32	555	966	480	771	1,701	17	383	695
Harrison	15,124	8	155	296	123	226	437	7	36	154
Hart	17,239	10	46	91	36	52	105	6	19	27
Henderson	27,020	33	1,628	3,274	1,486	2,797	5,259	25	922	1,390
Henry	12,220	3	13	(d)	12	(d)	(d)	2	(d)	(d)
Hickman	9,142	10	401	430	383	392	675	4	17	86
Hopkins	37,789	32	357	508	325	435	952	20	68	275
Jackson	16,339	9	62	(d)	55	(d)	(d)	----	----	----
Jefferson	385,392	640	65,906	174,092	54,555	130,389	419,855	557	30,974	111,447
Jessamine	12,174	6	107	(d)	91	(d)	(d)	5	18	(d)
Johnson	25,771	8	108	214	83	153	323	4	25	81
Kenton	93,139	88	3,669	10,661	2,787	6,999	24,248	74	1,895	7,543
Knott	20,007	8	208	356	198	328	515	----	----	----
Knox	31,029	12	357	500	329	422	787	7	154	170
Larue	9,622	5	111	(d)	104	(d)	(d)	7	47	(d)
Laurel	25,640	19	112	158	110	155	402	9	47	(d)
Lawrence	17,275	6	48	72	38	48	132	5	19	87
Lee	10,860	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Leslie	14,981	15	411	743	382	661	1,095	2	(d)	(d)
Letcher	40,592	19	257	409	236	353	1,086	12	65	146
Lewis	15,686	5	291	(d)	276	(d)	(d)	4	427	(d)
Lincoln	19,859	8	86	116	75	103	250	6	22	69
Livingston	9,127	6	15	(d)	13	(d)	(d)	----	----	----
Logan	23,345	20	450	682	397	557	1,468	14	200	428
Lyon	9,067	8	31	26	30	24	53	2	(d)	(d)
McCracken	48,534	54	3,455	6,559	3,120	5,640	11,736	43	2,485	5,338
McCreary	16,451	18	375	567	366	522	657	4	249	(d)
McLean	11,446	7	210	289	197	250	396	4	169	211
Madison	28,541	14	325	314	230	203	663	7	207	291
Magoffin	17,490	3	37	(d)	34	(d)	(d)	----	----	----
Marion	16,913	15	659	1,331	612	1,112	2,320	10	72	201
Marshall	16,602	8	384	(d)	369	(d)	(d)	4	179	(d)
Martin	10,970	6	43	64	42	61	97	1	(d)	(d)
Mason	19,066	23	1,864	4,140	1,608	3,182	10,543	13	793	1,926
Meade	8,827	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Menifee	5,691	3	9	11	9	11	25	1	(d)	(d)
Mercer	14,629	8	445	875	400	740	3,617	6	38	180
Metcalfe	10,853	6	63	63	62	62	79	1	(d)	(d)
Monroe	14,070	14	122	150	122	150	190	5	8	18
Montgomery	12,280	11	507	762	484	712	1,373	9	88	133
Morgan	16,827	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Muhlenberg	37,554	24	275	382	231	290	913	11	58	153
Nelson	18,004	25	918	1,845	757	1,330	9,407	13	166	575

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishment	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Continued										
Nicholas	8,617	1	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Ohio	24,421	16	78	$92	74	$85	$160	7	30	$79
Oldham	10,716	4	14	18	13	16	43	1	(d)	(d)
Owen	10,942	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Owsley	8,957	2	(d)	(d)	(d)	(d)	(d)			
Pendleton	10,392	4	21	15	20	12	47	3	7	16
Perry	47,828	9	329	663	280	524	1,067	8	366	448
Pike	71,122	24	325	746	261	538	1,378	13	161	273
Powell	7,671	9	69	81	69	81	154	4	45	(d)
Pulaski	39,863	31	710	1,028	642	858	1,970	15	182	323
Robertson	3,419	1	(d)	(d)	(d)	(d)	(d)			
Rockcastle	17,165	8	47	63	46	61	83	2	(d)	(d)
Rowan	12,734	12	375	881	347	766	1,515	6	447	882
Russell	13,615	7	32	27	31	26	76	1	(d)	(d)
Scott	14,314	10	324	628	306	559	732	7	74	94
Shelby	17,759	9	223	379	191	290	740	8	108	237
Simpson	11,752	6	283	347	268	298	576	7	128	111
Spencer	6,757	5	57	85	40	70	154	2	(d)	(d)
Taylor	13,556	12	165	387	141	323	729	11	88	256
Todd	14,234	10	240	(d)	229	(d)	(d)	11	116	(d)
Trigg	12,784	10	94	126	91	117	268	5	14	(d)
Trimble	5,601	1	(d)	(d)	(d)	(d)	(d)			
Union	17,411	9	97	126	88	103	237	6	21	53
Warren	36,631	29	2,140	3,682	1,941	3,078	7,822	26	391	1,135
Washington	12,965	5	103	(d)	73	(d)	(d)	3	17	(d)
Wayne	17,204	23	333	438	319	399	761	10	85	89
Webster	19,198	9	80	82	74	77	217	9	22	53
Whitley	33,186	19	202	297	174	213	700	14	88	268
Wolfe	9,997	3	13	16	13	16	36			
Woodford	11,847	8	482	(d)	446	(d)	(d)	7	250	(d)
URBAN PLACES										
Ashland	29,537	36	1,916	(d)	1,709	(d)	(d)	24	3,264	(d)
Bowling Green	14,585	22	1,922	(d)	1,761	(d)	(d)	21	315	(d)
Covington	62,018	79	3,310	(d)	2,518	(d)	(d)	64	1,469	(d)
Fort Thomas	11,034	3	12	17	11	15	39	1	(d)	(d)
Frankfort	11,492	12	1,281	(d)	1,208	(d)	(d)	14	1,196	(d)
Henderson	13,160	27	1,460	2,865	1,335	2,447	4,615	16	835	(d)
Hopkinsville	11,724	25	1,493	2,362	1,381	1,977	5,228	13	358	776
Lexington	49,304	84	3,114	6,187	2,459	4,335	10,346	31	326	1,625
Louisville	319,077	588	55,575	144,936	46,024	108,201	350,199	524	29,369	104,048
Middlesborough	11,777	13	669	1,279	591	1,019	1,960	13	673	1,050
Newport	30,631	33	3,973	11,018	3,495	9,383	14,360	24	1,073	(d)
Owensboro	30,245	60	4,796	9,995	4,183	8,081	16,220	45	2,539	5,657
Paducah	33,765	48	3,368	6,456	3,033	5,537	11,582	41	2,466	(d)

d Withheld to avoid disclosing figures for individual companies.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947									1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**2,244**	**129,504**	**$304,668**	**110,602**	**227,221**	**$235,989**	**$740,772**	**$77,135**	**$27,197**	**$49,938**	**1,582**	**62,481**	**$186,485**
20	Food and kindred products	577	24,635	60,563	19,507	42,007	42,698	288,814	16,903	7,977	8,926	610	9,405	44,082
21	Tobacco manufactures	57	9,152	16,419	8,385	16,346	13,913	41,784	7,732	2,552	5,180	[1] 20	[1] 4,550	[1] 23,352
22	Textile mill products	18	3,586	6,845	3,354	6,454	5,928	12,744	905	164	741	23	3,509	5,471
23	Apparel and related products	88	12,499	20,212	11,883	22,856	18,013	38,475	1,378	571	807	51	6,883	8,319
24	Lumber and products, except furniture	520	11,627	20,996	10,877	21,752	18,202	36,683	1,586	399	1,187	212	5,747	9,225
25	Furniture and fixtures	86	7,296	17,971	6,288	15,105	13,930	25,928	1,778	660	1,118	47	3,886	6,845
26	Paper and allied products	12	743	2,200	643	1,375	1,355	4,695	320	75	245	11	446	1,320
27	Printing and publishing industries	304	6,194	16,913	4,332	9,249	11,507	28,745	5,728	3,422	2,306	246	2,791	11,471
28	Chemicals and allied products	67	4,785	14,589	3,579	7,458	9,290	47,953	7,475	2,183	5,292	56	1,072	7,817
29	Petroleum and coal products	14	1,280	4,272	1,015	2,383	3,248	20,215	965	354	611	16	898	4,968
32	Stone, clay, and glass products	163	4,203	9,301	3,834	7,735	8,060	16,302	1,891	630	1,261	78	2,813	6,338
33	Primary metal industries	26	7,749	23,450	6,723	13,662	19,713	30,863	2,798	871	1,927	22	5,754	15,205
34	Fabricated metal products	91	11,319	29,757	9,761	19,914	24,247	51,024	2,682	593	2,089	47	4,990	12,952
35	Machinery (except electrical)	80	10,175	28,546	8,034	16,400	20,149	40,461	21,074	6,014	15,060	54	2,359	8,788
36	Electrical machinery	21	4,589	10,227	3,768	7,543	7,460	16,010	2,670	467	2,203	12	2,123	5,494
39	Miscellaneous manufactures	64	1,720	3,849	1,492	3,055	2,774	5,853	505	141	364	40	1,148	2,894
	All other major industry groups	56	7,952	18,558	7,127	13,927	15,502	34,223	745	124	621	37	4,107	11,944

[1] The figures shown for 1939 do not include data for Tobacco stemming and redrying (industry 2141), which was not classified as a manufacturing industry in 1939.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	Industry	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year) 1939	Production workers: Number (average for the year) 1947	Production workers: Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [1]	**2,214**	**1,453**	**508**	**283**	**129,504**	**$304,668**	**62,481**	**110,602**	**$235,989**	**$740,772**	**$77,135**
20	Food and kindred products	577	368	148	61	24,635	60,563	9,405	19,507	42,698	288,814	16,903
201	Meat products	46	25	15	6	2,078	5,409	1,189	1,683	4,025	11,112	905
2011	Meat packing, wholesale	32	17	10	5	1,706	4,581	1,072	1,364	3,371	9,098	698
202	Dairy products	46	23	19	4	1,631	3,685	[2] 630	1,280	2,689	12,797	1,290
2021	Creamery butter	6	2	3	1	471	1,056	240	363	740	4,143	230
2022	Natural cheese	11	1	10	----------	338	733	70	287	575	1,660	187
203	Canning, preserving, and freezing	19	9	7	3	852	1,892	659	681	1,089	4,707	197
204	Grain-mill products	111	88	19	4	1,905	4,242	893	1,574	3,253	12,914	652
2042	Prepared animal feeds	28	17	10	1	584	1,396	91	475	1,013	3,341	216
205	Bakery products	69	39	21	9	2,850	6,819	[2] 2,015	2,043	4,141	11,549	1,223
2071	Confectionery products	14	10	3	1	566	1,160	288	464	718	2,805	59
208	Beverages	180	97	53	30	13,218	34,053	3,034	10,754	24,881	225,477	11,976
2082	Malt liquors	6	----------	----------	6	1,651	5,499	758	1,392	4,007	12,854	2,841
2085	Distilled liquors, except brandy	62	1	38	23	9,963	24,993	1,875	8,537	19,384	202,416	7,627
209	Miscellaneous food preparations	92	77	11	4	1,535	3,303	697	1,028	1,902	7,453	601
2097	Manufactured ice	65	55	9	1	852	1,825	269	503	1,024	3,789	430
21	Tobacco manufactures	57	11	27	19	9,152	16,419	[2] 4,550	8,385	13,913	41,784	7,732
2111	Cigarettes	4	----------	----------	4	3,823	7,928	(d)	3,530	7,005	28,024	5,593
22	Textile mill products	18	3	4	11	3,586	6,845	3,509	3,354	5,928	12,744	905
225	Knitting mills	6	1	1	4	1,252	2,270	1,536	1,177	1,979	3,898	538
23	Apparel and related products	88	24	30	34	12,499	20,212	6,883	11,883	18,013	38,475	1,378
2311	Men's and boys' suits and coats	12	----------	3	9	4,516	8,271	2,530	4,299	7,599	14,509	557
232	Men's and boys' furnishings	29	2	9	18	5,756	8,319	3,610	5,532	7,376	16,228	349
2321	Men's dress shirts and nightwear	6	----------	3	3	1,063	1,660	(d)	986	1,385	3,021	68
2327	Separate trousers	5	----------	1	4	911	1,207	(d)	884	1,116	2,123	169
2329	Men's and boys' clothing, n.e.c	6	----------	1	5	1,145	1,518	1,704	1,108	1,374	2,440	50
233	Women's and misses' outerwear	10	----------	6	4	1,089	2,001	(d)	1,034	1,743	3,974	337
2335	Women's suits and coats	3	----------	----------	3	697	1,313	----------	672	1,146	2,651	234
2399	Fabricated textile products, n.e.c	5	2	2	1	275	421	94	233	310	941	75
24	Lumber and products, except furniture	520	412	79	29	11,627	20,996	5,747	10,877	18,202	36,683	1,586
242	Lumber and timber basic products	456	381	60	15	7,134	11,026	3,074	6,819	9,847	17,917	727
2421	Sawmills and planing mills, general	424	365	52	7	5,539	8,039	2,262	5,351	7,452	12,751	524
2422	Veneer mills	4	----------	----------	4	595	1,441	637	528	1,089	2,730	129
2424	Cooperage stock mills	28	16	8	4	1,000	1,546	175	940	1,306	2,436	74
243	Millwork and related products	24	14	7	3	1,046	2,670	960	898	2,132	6,009	144
244	Wooden containers	19	7	4	8	2,291	4,909	1,013	2,111	4,246	7,914	542
249	Miscellaneous wood products	21	10	8	3	1,156	2,391	700	1,049	1,977	4,843	173
2499	Wood products, n.e.c	15	8	5	2	778	1,577	304	698	1,241	2,366	128
25	Furniture and fixtures	86	34	35	17	7,296	17,971	3,886	6,288	13,930	25,928	1,778
251	Household furniture	63	22	25	16	6,736	16,708	3,772	5,814	12,942	23,701	1,595
2511	Wood house furniture, except upholst	35	10	13	12	4,948	12,794	3,129	4,248	9,995	16,510	1,080
2512	Household furniture, upholstered	14	4	8	2	952	1,854	277	836	1,444	3,108	227
2541	Partitions and fixtures	10	4	6	----------	219	525	(d)	184	404	859	141
2561	Window and door screens	5	3	1	1	207	507	77	170	397	905	25
26	Paper and allied products	12	4	5	3	743	2,200	446	643	1,355	4,695	320
2671	Paperboard boxes	6	1	3	2	406	1,356	227	339	757	2,782	234
27	Printing and publishing industries	304	255	42	7	6,194	16,913	2,791	4,332	11,507	28,745	5,728
2711	Newspapers	142	128	12	2	2,372	6,497	941	1,230	3,348	12,499	(d)
2721	Periodicals	19	17	2	----------	201	481	38	44	90	900	21
2751	Commercial printing	98	79	15	4	2,568	7,375	1,252	2,239	6,248	11,189	978
2761	Lithographing	13	8	4	1	567	1,342	375	444	911	1,905	149
279	Printing trades service industries	22	15	7	----------	320	862	165	259	680	1,673	101
2792	Engraving and plate printing	11	7	4	----------	176	403	83	140	296	694	13
28	Chemicals and allied products	67	37	20	10	4,785	14,589	1,072	3,579	9,290	47,953	7,475
285	Paints and allied products	24	9	11	4	1,593	5,447	485	1,054	2,661	16,724	1,659
2872	Fertilizers (mixing only)	6	3	3	----------	236	512	134	201	345	1,250	27
288	Vegetable and animal oils	7	3	3	1	292	851	(d)	243	630	4,945	423
289	Miscellaneous chemical products	11	9	1	1	250	583	198	200	441	2,151	289
29	Petroleum and coal products	14	7	3	4	1,280	4,272	898	1,015	3,248	20,215	965
30	Rubber products	3	3	----------	----------	27	(d)	(d)	22	(d)	(d)	(d)
31	Leather and leather products	29	12	7	10	3,437	(d)	2,144	3,207	(d)	(d)	(d)
3131	Footwear cut stock	4	2	1	1	173	382	(d)	161	314	687	10
3192	Saddlery, harness, and whips	9	5	4	----------	162	313	172	126	208	349	----------
32	Stone, clay, and glass products	163	123	28	12	4,203	9,301	2,813	3,834	8,060	16,302	1,891
3231	Products of purchased glass	7	5	2	----------	128	277	58	106	208	453	(d)
325	Structural clay products	29	9	12	8	2,061	4,690	2,223	1,947	4,242	7,469	371
3251	Brick and hollow tile	15	6	9	----------	383	670	425	355	570	1,019	88
3255	Clay refractories	8	----------	1	7	1,368	3,312	1,419	1,306	3,083	5,205	201
326	Pottery and related products	8	4	2	2	287	499	(d)	268	463	745	62
327	Concrete and plaster products	101	93	8	----------	717	1,151	125	652	988	2,600	466
329	Misc. nonmetallic mineral products	10	7	2	1	510	1,305	120	420	1,038	2,640	140
33	Primary metal industries	26	9	7	10	7,749	23,450	5,754	6,723	19,713	30,863	2,798
3321	Gray-iron foundries	8	1	6	1	462	1,284	328	428	1,112	1,705	65
3361	Nonferrous foundries	6	5	1	----------	134	340	58	125	305	455	4

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Total number of establishments	Number of establishments with— 1–19 employees	20–99 employees	100 employees and over	All employees Number (average for the year)	All employees Salaries and wages, total	Production workers Number (average for the year) 1939	Production workers Number (average for the year) 1947	Production workers Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
34	Fabricated metal products	91	45	29	17	11,319	$29,757	4,990	9,761	$24,247	$51,024	$2,682
342	Cutlery, hand tools, and hardware	10	6	4	----------	230	441	180	187	349	893	13
343	Heating and plumbing equipment	9	1	1	7	6,618	17,189	3,713	5,905	14,994	27,603	988
344	Structural metal products	35	15	14	6	3,236	8,913	516	2,557	6,297	15,544	1,135
3441	Structural and ornamental products	11	4	5	2	761	2,025	(d)	618	1,477	5,042	113
3444	Sheet-metal work	13	7	4	2	1,824	5,117	118	1,407	3,599	7,592	822
346	Metal stamping and coating	24	17	6	1	576	1,398	228	515	1,073	2,408	165
3463	Metal stampings	15	9	6	----------	337	772	127	297	568	1,535	135
35	Machinery (except electrical)	80	42	18	20	10,175	28,546	2,359	8,034	20,149	40,461	21,074
3522	Farm machinery (except tractors)	7	3	4	----------	245	531	410	200	376	868	(d)
354	Metalworking machinery	13	9	2	2	438	990	154	359	645	1,586	134
355	Special-industry machinery, n.e.c.	18	12	4	2	500	1,376	279	420	1,123	2,483	82
3551	Food-products machinery	4	3	----------	1	141	361	44	107	273	501	17
3559	Special-industry machinery, n.e.c.	9	6	3	----------	168	468	30	149	388	937	22
356	General industrial machinery	15	6	2	7	2,102	6,163	596	1,561	3,929	12,392	570
358	Service and household machines	6	1	1	4	859	2,420	77	720	1,545	4,041	136
36	Electrical machinery	21	9	6	6	4,589	10,227	2,123	3,768	7,460	16,010	2,670
37	Transportation equipment	14	6	1	7	3,209	(d)	1,596	2,758	(d)	(d)	(d)
38	Instruments and related products	10	7	1	2	1,279	(d)	(d)	1,140	(d)	(d)	(d)
39	Miscellaneous manufactures	64	42	18	4	1,720	3,849	1,148	1,492	2,774	5,853	505
3971	Plastics products, n.e.c.	9	6	3	----------	141	229	----------	116	165	370	43
399	Miscellaneous manufactures	36	23	12	1	722	1,481	632	629	1,153	2,304	278
3988	Morticians' goods	10	7	3	----------	216	443	(d)	184	318	695	33
3993	Signs and advertising displays	15	9	5	1	370	801	270	322	627	1,316	119

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[3] The figure shown for 1939 does not include data for Tobacco stemming and redrying (industry 2141), which was not classified as a manufacturing industry in 1939. In 1947, there were 3,845 manufacturing employees reported in this industry.

TABLE 5.—GENERAL STATISTICS FOR THE LOUISVILLE METROPOLITAN AREA,[1] BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees Number (average for the year)	All employees Salaries and wages, total	Production workers Number (average for the year)	Production workers Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [2]	**743**	**73,791**	**$193,664**	**60,827**	**$144,107**	**$488,956**	**$59,317**
20	Food and kindred products	151	12,907	34,622	10,347	24,766	150,638	7,996
201	Meat products	16	1,433	3,895	1,176	2,955	7,255	499
2011	Meat packing, wholesale	8	1,126	3,222	910	2,411	5,621	382
202	Dairy products	13	529	1,253	407	836	4,895	328
2021	Creamery butter	3	406	935	321	665	3,825	187
204	Grain-mill products	11	814	1,954	702	1,583	5,867	300
205	Bakery products	27	1,871	4,576	1,341	2,936	7,692	673
208	Beverages	37	6,242	18,281	5,245	13,854	113,565	5,548
2081	Bottled soft drinks	12	447	1,137	193	397	3,227	487
2082	Malt liquors	3	921	3,233	810	2,425	7,113	1,716
2085	Distilled liquors, except brandy	22	4,874	13,911	4,242	11,032	103,225	3,345
209	Miscellaneous food preparations	29	933	2,138	644	1,205	4,975	428
2097	Manufactured ice	9	300	733	157	366	1,465	270
21	Tobacco manufactures	15	5,935	11,698	5,412	9,904	33,465	6,480
2111	Cigarettes	4	3,823	7,928	3,530	7,005	28,024	5,593
22	Textile mill products	7	1,324	2,702	1,224	2,335	5,168	214
23	Apparel and related products	32	2,904	5,311	2,697	4,432	8,758	264
232	Men's and boys' furnishings	11	1,616	2,638	1,500	2,238	4,906	83
239	Miscellaneous fabricated textiles	15	422	831	367	601	1,706	117
24	Lumber and products, except furniture	57	6,233	14,921	5,533	11,914	28,162	1,317
242	Lumber and timber basic products	17	1,062	2,729	929	2,027	4,655	241
2422	Veneer mills	4	589	1,606	521	1,187	2,880	151
243	Millwork and related products	18	2,428	6,124	2,090	4,756	12,715	499
2432	Plywood plants	7	1,528	3,741	1,421	3,203	8,990	419
244	Wooden containers	11	1,975	4,354	1,825	3,764	6,955	465
249	Miscellaneous wood products	11	768	1,714	689	1,367	3,837	112
25	Furniture and fixtures	47	4,936	12,863	4,181	9,793	16,968	852
251	Household furniture	35	4,748	12,437	4,027	9,479	16,249	828
2511	Wood house furniture, except upholst.	21	4,135	11,025	3,509	8,452	13,886	752
2515	Mattresses and bedsprings	6	372	890	329	670	1,395	72
26	Paper and allied products	6	357	1,217	298	640	2,380	229
27	Printing and publishing industries	114	4,505	13,310	3,271	9,294	21,004	5,573
2751	Commercial printing	55	2,304	6,821	2,023	5,824	10,085	927
2761	Lithographing	9	493	1,219	383	805	1,639	149
279	Printing trades service industries	18	313	842	254	666	1,628	99
2792	Engraving and plate printing	10	175	400	140	294	688	11
28	Chemicals and allied products	59	6,897	21,149	4,938	13,226	92,819	9,629
287	Fertilizers	7	427	931	368	669	2,542	253
289	Miscellaneous chemical products	10	280	655	233	515	2,492	367

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR THE LOUISVILLE METROPOLITAN AREA,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
29	Petroleum and coal products	3	246	$802	187	$583	$5,601	$155
2911	Petroleum refining	3	246	802	187	583	5,601	155
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	11	307	720	272	528	1,310	64
32	Stone, clay, and glass products	48	1,907	4,721	1,544	3,615	9,556	1,822
325	Structural clay products	3	155	351	148	326	597	40
327	Concrete and plaster products	27	247	502	210	384	978	166
33	Primary metal industries	23	2,429	(d)	2,055	(d)	(d)	(d)
34	Fabricated metal products	58	9,604	25,588	8,256	20,865	42,206	2,253
344	Structural metal products	26	2,385	6,740	1,844	4,672	10,221	927
3441	Structural and ornamental products	8	311	950	238	615	1,724	56
346	Metal stamping and coating	12	486	1,193	426	872	2,186	156
35	Machinery (except electrical)	55	9,007	25,450	7,067	17,939	34,825	20,693
354	Metalworking machinery	7	213	371	176	237	601	44
355	Special-industry machinery, n.e.c.	13	309	910	263	749	2,281	62
3559	Special-industry machinery, n.e.c.	8	141	409	125	342	1,376	20
356	General industrial machinery	11	1,763	5,041	1,291	3,188	10,162	351
3599	Machine shops	8	372	821	342	720	1,636	50
36	Electrical machinery	11	232	653	158	357	962	37
37	Transportation equipment	12	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	5	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	28	932	2,469	779	1,680	3,840	153
3988	Morticians' goods	5	154	374	124	256	639	24
3993	Signs and advertising displays	5	141	363	118	283	500	28

[d] Withheld to avoid disclosing figures for individual companies.

[1] The *Louisville Metropolitan Area* consists of Clark and Floyd Counties, Indiana; Jefferson County, Kentucky. Industry statistics for the *Cincinnati Metropolitan Area* (consisting of Campbell and Kenton Counties, Kentucky; Hamilton County, Ohio) are shown in table 5 for the State of *Ohio*.

[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATISTICS FOR JEFFERSON COUNTY, BY INDUSTRY GROUPS: 1947

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [1]	**640**	**65,906**	**$174,092**	**54,555**	**$130,389**	**$419,855**	**$54,773**
20	Food and kindred products	139	12,728	34,288	10,210	24,534	150,004	7,946
201	Meat products	16	1,433	3,895	1,176	2,955	7,255	499
204	Grain-mill products	11	814	1,954	702	1,583	5,867	300
208	Beverages	34	6,222	18,258	5,226	13,831	113,533	5,545
21	Tobacco manufactures	15	5,935	11,698	5,412	9,904	33,465	6,480
211	Cigarettes	4	3,823	7,928	3,530	7,005	28,024	5,593
22	Textile mill products	6	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	28	1,679	(d)	1,513	(d)	(d)	(d)
239	Miscellaneous fabricated textiles	15	422	831	367	601	1,706	117
24	Lumber and products, except furniture	39	4,357	10,534	3,884	8,531	20,053	908
243	Millwork and related products	12	936	2,485	806	1,983	5,786	120
249	Miscellaneous wood products	8	738	1,629	662	1,307	3,734	111
25	Furniture and fixtures	40	4,623	12,198	3,902	9,275	16,038	808
251	Household furniture	29	4,438	11,774	3,751	8,963	15,326	784
26	Paper and allied products	6	357	1,217	298	640	2,380	229
27	Printing and publishing industries	02	4,408	13,086	3,213	9,166	20,634	5,571
272	Periodicals	13	136	299	39	80	601	17
275	Commercial printing	50	2,286	6,800	2,010	5,807	10,032	927
28	Chemicals and allied products	48	4,437	(d)	3,302	(d)	(d)	(d)
287	Fertilizers	3	203	435	173	301	1,120	13
29	Petroleum and coal products	3	246	802	187	583	5,601	155
291	Petroleum refining	3	246	802	187	583	5,601	155
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	8	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	37	1,250	(d)	1,064	(d)	(d)	(d)
325	Structural clay products	3	155	351	148	326	597	40
327	Concrete and plaster products	18	185	365	160	285	773	116
33	Primary metal industries	14	2,227	(d)	1,875	(d)	(d)	(d)
34	Fabricated metal products	52	9,567	25,524	8,223	20,812	42,036	2,249
344	Structural metal products	23	2,364	6,695	1,826	4,637	10,080	924
35	Machinery (except electrical)	50	8,874	25,105	6,971	17,701	34,307	20,673
36	Electrical machinery	11	232	653	158	357	962	37
37	Transportation equipment	9	2,538	(d)	2,180	(d)	(d)	(d)
38	Instruments and related products	5	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	27	(d)	(d)	(d)	(d)	(d)	(d)
399	Miscellaneous manufactures	16	379	865	320	659	1,286	55

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	2,244	577	57	18	88	520	86	12	304	67	14	3	29	163	26	91	80	21	14	10	64
1-19 employees	1,453	368	11	3	24	412	34	4	255	37	7	3	12	123	9	45	42	9	6	7	42
20-99 employees	508	148	27	4	30	79	35	5	42	20	3		7	28	7	29	18	6	1	1	18
100 employees and over	283	61	19	11	34	29	17	3	7	10	4		10	12	10	17	20	6	7	2	4
Adair:																					
1-19 employees	8	1				6			1												
20-99 employees	4				1	3															
100 employees and over	1					1															
Allen:																					
1-19 employees	8					7			1												
20-99 employees	1					1															
100 employees and over	1				1																
Anderson:																					
1-19 employees	4	2				1			1												
20-99 employees	5	5																			
100 employees and over	1			1																	
Ballard:																					
1-19 employees	5	1				1			1				1	1							
100 employees and over	1													1							
Barren:																					
1-19 employees	21	7				4	2		4					3			1				
20-99 employees	2	1			1																
100 employees and over	2				2																
Bath:																					
1-19 employees	4	1				1			1								1				
20-99 employees	1					1															
Bell:																					
1-19 employees	17	5				6			4					1		1					
20-99 employees	5	3				1											1				
100 employees and over	4			1		2							1								
Boone:																					
1-19 employees	4	1							2					1							
20-99 employees	2	1			1																
Bourbon:																					
1-19 employees	9	4				1			3					1							
20-99 employees	2		1															1			
100 employees and over	1				1																
Boyd:																					
1-19 employees	30	9			1	5	1		3		1	1	2	4	1		1				1
20-99 employees	9	2				1	1		1					2	1	1					
100 employees and over	8										2		2	1	2	1					
Boyle:																					
1-19 employees	8	3				1	1		2					1							
20-99 employees	5	2	1		1		1														
100 employees and over	1				1																
Bracken:																					
1-19 employees	5	2							2					1							
20-99 employees	1															1					
100 employees and over	1												1								
Breathitt:																					
1-19 employees	1					1															
100 employees and over	1					1															
Breckinridge:																					
1-19 employees	13	3			1	3			3								1				2
20-99 employees	4				3									1							
Bullitt:																					
1-19 employees	2					1			1												
20-99 employees	1	1																			
Butler:																					
1-19 employees	9					8			1												
Caldwell:																					
1-19 employees	6	2				1			2					1							
20-99 employees	1												1								
100 employees and over	2			1	1																
Calloway:																					
1-19 employees	15	5				4			2	1				3							
100 employees and over	2			1												1					
Campbell:																					
1-19 employees	30	7			2	2			4				1	2	1	7	1				3
20-99 employees	13	3					2		1	1				1		1	2				2
100 employees and over	5	1			1		1								1					1	
Carlisle:																					
1-19 employees	4	1				2							1								
20-99 employees	1	1																			
Carroll:																					
1-19 employees	5	3				1			1												
20-99 employees	3	2				1															
100 employees and over	1						1														
Carter:																					
1-19 employees	5	1				2			2					5							
100 employees and over	5																				
Casey:																					
1-19 employees	9					8			1												
Christian:																					
1-19 employees	18	9	1			3			2	1				2							
20-99 employees	11	6	2		1	1			1				1								
100 employees and over	4		1		2																

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Clark:																					
1-19 employees	5	3							1	1											
20-99 employees	4	1			1	1			1												
100 employees and over	1				1																
Clay:																					
1-19 employees	8					8															
20-99 employees	1					1															
Clinton:																					
1-19 employees	4	1				2					1										
Crittenden:																					
1-19 employees	7	1				3			2					1							
Cumberland:																					
1-19 employees	6					6															
Daviess:																					
1-19 employees	43	12	4			7	2		6	1			1	5		3					2
20-99 employees	18	5	2				1		1	1				2	1	3	1				1
100 employees and over	13	3	2				3								1		1	2	1		
Edmonson:																					
1-19 employees	2	2																			
Elliott:																					
1-19 employees	1					1															
Estill:																					
1-19 employees	8	2			1	3			2												
20-99 employees	1					1															
Fayette:																					
1-19 employees	56	14	1		1		3		17	2	1		1	5		3	3			1	4
20-99 employees	29	12	4		2		2		3					3			2				1
100 employees and over	10	2	5						1							1		1			
Fleming:																					
1-19 employees	2								2												
Floyd:																					
1-19 employees	5					2			2		1										
Franklin:																					
1-19 employees	8	5							1					1			1				
20-99 employees	7	2		1			2		2												
100 employees and over	4	2			1								1								
Fulton:																					
1-19 employees	10	5							3					2							
20-99 employees	4	2				2															
Gallatin:																					
1-19 employees	1					1															
20-99 employees	1						1														
Garrard:																					
1-19 employees	4	1				1			1					1							
Grant:																					
1-19 employees	2	1							1												
20-99 employees	1																				1
Graves:																					
1-19 employees	14	4				3			3					3							1
20-99 employees	7	2	1			2	1							1							
100 employees and over	4	1			3																
Grayson:																					
1-19 employees	9	5				2			2												
20-99 employees	1					1															
100 employees and over	1				1																
Green:																					
1-19 employees	6	3				1			1					1							
20-99 employees	2				1	1															
Greenup:																					
1-19 employees	8					6			1	1											
20-99 employees	4					1				2				1							
Hancock:																					
1-19 employees	2	1							1												
Hardin:																					
1-19 employees	13	3			1	3			3					3							
20-99 employees	2	1																1			
100 employees and over	1				1																
Harlan:																					
1-19 employees	25	4				16			2					2							1
20-99 employees	6	2				3			1												
100 employees and over	1					1															
Harrison:																					
1-19 employees	5	3							1					1							
20-99 employees	3	2							1												
Hart:																					
1-19 employees	9	2				4			2					1							
20-99 employees	1	1																			
Henderson:																					
1-19 employees	11	3				4	1	1	1					1							
20-99 employees	18	2	2		1	2	6		1	1						1					2
100 employees and over	4			1	1		2														
Henry:																					
1-19 employees	3	1							1					1							
Hickman:																					
1-19 employees	7	2				2			1					1		1					
20-99 employees	2	1				1															
100 employees and over	1				1																
Hopkins:																					
1-19 employees	27	9				13			4					1							
20-99 employees	5					2	1		1					1							
Jackson:																					
1-19 employees	8					8															
20-99 employees	1					1															
Jefferson:																					
1-19 employees	304	58	2	1	12	8	16	2	70	23		1	4	25	6	20	24	7	4	4	17
20-99 employees	193	41	5	1	10	14	15	2	26	15	2		4	10	2	21	11	4	1	1	8
100 employees and over	143	40	8	4	6	17	9	2	6	10	1			2	6	11	15		4		2
Jessamine:																					
1-19 employees	5	1							2	1				1							
20-99 employees	1												1								

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Johnson:																					
1-19 employees	6	4				1			1												
20-99 employees	2	1				1															
Kenton:																					
1-19 employees	61	12	1		1	3	3	1	5	3	2			6		8	6	2	1		7
20-99 employees	14	5	1	1		1		1							3	1					1
100 employees and over	13	3						1			1					2	2	2		1	1
Knott:																					
1-19 employees	6					6															
20-99 employees	2					2															
Knox:																					
1-19 employees	6	3				2			1												
20-99 employees	5				1	3								1							
100 employees and over	1					1															
Larue:																					
1-19 employees	4	1				2								1							
20-99 employees	1	1																			
Laurel:																					
1-19 employees	19	1				15			1					1		1					
Lawrence:																					
1-19 employees	6	2				2			1											1	
Lee:																					
1-19 employees	2					1			1												
Leslie:																					
1-19 employees	10					10															
20-99 employees	4					3		1													
100 employees and over	1					1															
Letcher:																					
1-19 employees	15	5				9			1												
20-99 employees	4	1				3															
Lewis:																					
1-19 employees	3					1			1					1							
20-99 employees	1					1															
100 employees and over	1												1								
Lincoln:																					
1-19 employees	6	2				1			1					1							1
20-99 employees	2	1				1															
Livingston:																					
1-19 employees	6					6															
Logan:																					
1-19 employees	14	6		1		4			1	1				1							
20-99 employees	5	2		1									1								1
100 employees and over	1				1																
Lyon:																					
1-19 employees	8	1			1	5			1												
McCracken:																					
1-19 employees	31	14	1		1	1	1		6				1	3		1			1		1
20-99 employees	14	4	1		1	3		1	1					2			1				
100 employees and over	9			1	1	2							2	1			1		1		
McCreary:																					
1-19 employees	16					16															
20-99 employees	1					1															
100 employees and over	1					1															
McLean:																					
1-19 employees	5	2				3															
20-99 employees	1						1														
100 employees and over	1						1														
Madison:																					
1-19 employees	10	1			1				3					5							
20-99 employees	3	2			1																
100 employees and over	1	1																			
Magoffin:																					
1-19 employees	2					1			1												
20-99 employees	1					1															
Marion:																					
1-19 employees	9	4				2			2					1							
20-99 employees	4	4																			
100 employees and over	2	1			1																
Marshall:																					
1-19 employees	7	1				3			2					1							
100 employees and over	1		1																		
Martin:																					
1-19 employees	6					6															
Mason:																					
1-19 employees	11	4					1		2					3			1				
20-99 employees	6	2	3											1							
100 employees and over	6	1		1									1			1	1		1		
Meade:																					
1-19 employees	1								1												
20-99 employees	1	1																			
Menifee:																					
1-19 employees	3					3															
Mercer:																					
1-19 employees	5	4							1												
20-99 employees	2	2																			
100 employees and over	1				1																
Metcalfe:																					
1-19 employees	6					6															
Monroe:																					
1-19 employees	13	2				9			1												1
20-99 employees	1					1															
Montgomery:																					
1-19 employees	9	5				2			1					1							
100 employees and over	2				2																
Morgan:																					
1-19 employees	1					1															
Muhlenberg:																					
1-19 employees	21	3				15			2					1							
20-99 employees	3	1	1				1														

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Nelson:																					
1-19 employees	15	6				7			1					1							
20-99 employees	6	6																			
100 employees and over	4	4																			
Nicholas:																					
1-19 employees	1								1												
Ohio:																					
1-19 employees	16	4				9			3												
Oldham:																					
1-19 employees	4					1			1					2							
Owen:																					
1-19 employees	1								1												
20-99 employees	1	1																			
Owsley:																					
1-19 employees	1					1															
20-99 employees	1					1															
Pendleton:																					
1-19 employees	4	2							1					1							
Perry:																					
1-19 employees	7	4							2											1	
20-99 employees	1	1																			
100 employees and over	1					1															
Pike:																					
1-19 employees	20	2				15			1					1							1
20-99 employees	4	2				1					1										
Powell:																					
1-19 employees	8					7			1												
20-99 employees	1													1							
Pulaski:																					
1-19 employees	27	9				13	1		1		1			2							
20-99 employees	2					2															
100 employees and over	2				1	1															
Robertson:																					
1-19 employees	1								1												
Rockcastle:																					
1-19 employees	8	1				4			1					2							
Rowan:																					
1-19 employees	9	3				4						1		1							
20-99 employees	1					1															
100 employees and over	2													2							
Russell:																					
1-19 employees	7	1				4			1					1							
Scott:																					
1-19 employees	7	4							2								1				
20-99 employees	2	2																			
100 employees and over	1																				1
Shelby:																					
1-19 employees	7	4							2					1							
20-99 employees	2		1		1																
Simpson:																					
1-19 employees	4	1				1			1					1							
20-99 employees	1		1																		
100 employees and over	1				1																
Spencer:																					
1-19 employees	4	1				1			1	1											
20-99 employees	1	1																			
Taylor:																					
1-19 employees	11	3				4	2		2												
20-99 employees	1					1															
Todd:																					
1-19 employees	8	3		1		3			1												
20-99 employees	1					1															
100 employees and over	1				1																
Trigg:																					
1-19 employees	8	3				4			1												
20-99 employees	2					2															
Trimble:																					
1-19 employees	1								1												
Union:																					
1-19 employees	8	4				1			2					1							
20-99 employees	1				1																
Warren:																					
1-19 employees	18	8	1			2			4					1	1		1				
20-99 employees	6	4				1			1												
100 employees and over	5	1	2		1																
Washington:																					
1-19 employees	3	1							1									1			
20-99 employees	2	1	1											1							
Wayne:																					
1-19 employees	17	2				12			1												
20-99 employees	6					6								2							
Webster:																					
1-19 employees	8	4				2			2												
20-99 employees	1																				
Whitley:																					
1-19 employees	17	7				5			3					2							1
20-99 employees	2				1									1							
Wolfe:																					
1-19 employees	3					3															
Woodford:																					
1-19 employees	4	1			1				1	1											
20-99 employees	3	2			1																
100 employees and over	1	1																			

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	Title	All establishments: Salaries and wages, total	All establishments: Number of employees (average for the year)	Establishments reporting employment by month: Number of employees: Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$301,668**	**129,504**	**128,344**	**134,081**	**133,917**	**129,647**	**128,089**	**125,811**	**122,962**	**121,445**	**124,697**	**126,792**	**126,708**	**129,386**	**136,591**
20	Food and kindred products	60,563	24,635	24,212	24,230	24,359	24,626	24,768	23,652	22,675	22,523	23,804	24,559	25,698	25,249	24,408
21	Tobacco manufactures	16,419	9,152	9,148	16,368	14,925	9,752	7,001	6,885	6,387	6,324	6,505	6,585	6,695	6,977	15,375
22	Textile mill products	6,845	3,586	3,586	3,723	3,995	4,046	3,852	3,113	2,982	2,924	3,366	3,545	3,694	3,847	3,947
23	Apparel and related products	20,212	12,499	12,450	12,120	12,316	12,326	12,348	12,146	12,077	11,722	12,285	12,698	12,995	13,250	13,112
24	Lumber and products, exc. furniture	20,996	11,627	11,560	10,912	10,673	10,969	11,963	11,999	12,098	12,314	12,373	12,237	11,919	11,094	10,172
25	Furniture and fixtures	17,971	7,296	7,203	7,190	7,272	7,317	7,427	7,297	7,006	6,657	6,914	6,815	7,040	7,627	7,871
26	Paper and allied products	2,200	743	742	757	753	741	733	770	741	681	689	706	746	792	797
27	Printing and publishing industries	16,913	6,194	6,152	5,995	6,068	6,100	6,158	5,968	6,026	6,042	6,128	6,229	6,345	6,356	6,409
28	Chemicals and allied products	14,589	4,785	4,758	5,163	5,089	4,919	4,923	4,877	4,739	4,520	4,556	4,517	4,590	4,621	4,584
29	Petroleum and coal products	4,272	1,280	1,278	1,189	1,253	1,245	1,269	1,283	1,284	1,334	1,314	1,328	1,289	1,274	1,276
32	Stone, clay, and glass products	9,301	4,203	4,100	3,735	3,816	3,978	4,082	4,162	4,234	4,147	4,265	4,204	4,252	4,225	4,094
33	Primary metal industries	23,450	7,749	7,722	8,090	8,084	8,005	7,972	7,705	7,520	7,399	7,411	7,539	7,728	7,584	7,632
34	Fabricated metal products	29,757	11,319	11,177	10,951	11,139	11,149	10,834	10,834	10,859	11,077	11,171	11,463	11,555	11,519	11,571
35	Machinery (except electrical)	28,546	10,175	10,136	8,594	8,942	9,183	9,750	10,620	11,076	10,814	10,823	11,053	8,449	11,014	11,319
36	Electrical machinery	10,227	4,589	4,589	5,413	5,460	5,506	5,443	4,980	3,776	3,771	3,791	3,874	4,222	4,378	4,449
39	Miscellaneous manufactures	3,849	1,720	1,617	1,436	1,461	1,502	1,515	1,510	1,475	1,587	1,657	1,762	1,840	1,832	1,826
	All other major industry groups	18,558	7,952	7,914	8,215	8,312	8,283	8,051	8,010	8,007	7,609	7,645	7,678	7,651	7,747	7,749

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE LOUISVILLE METROPOLITAN AREA, AND JEFFERSON COUNTY: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State	Louisville Metropolitan Area [1]	Jefferson County
ALL ESTABLISHMENTS			
Number of establishments	2,244	743	640
Number of employees (average for the year)	129,504	73,791	65,906
Salaries and wages, total	$304,668	$193,664	$174,092
Value added by manufacture	$740,772	$488,956	$419,855
Establishments by employment size group:			
1-4 employees	581	145	116
5-9 employees	471	108	89
10-19 employees	401	112	99
20-49 employees	320	134	117
50-99 employees	188	88	76
100-249 employees	172	84	80
250-499 employees	67	39	33
500-999 employees	27	20	18
1,000-2,499 employees	14	11	10
2,500 employees and over	3	2	2
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	1,534	600	526
Number of employees (average for the year)	125,498	73,061	65,352
Salaries and wages, total	$299,206	$192,399	$173,095
Value added by manufacture	$735,449	$487,226	$418,034

ITEM	Total for the State	Louisville Metropolitan Area [1]	Jefferson County
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	123,530	71,975	63,764
Male	87,866	55,008	49,179
Female	35,664	16,967	14,585
Production workers	104,551	58,807	52,335
Male	74,129	45,373	40,765
Female	30,422	13,434	11,570
Force-account construction workers	549	336	229
Administrative, supervisory, sales, and all other	18,430	12,832	11,200
Male	13,199	9,308	8,194
Female	5,231	3,524	3,006
Expenditures for plant and equipment:			
New plant and equipment	$77,135	$59,317	$54,773
Construction and major alteration of fixed plants	27,197	20,002	19,012
Buildings	25,329	19,159	18,259
Other construction	1,868	843	753
Machinery and equipment	49,938	39,315	35,761
Production machinery and equipment	45,588	37,055	33,651
Other machinery and equipment	4,350	2,260	2,110
Used plant and equipment and land	7,364	3,506	3,103

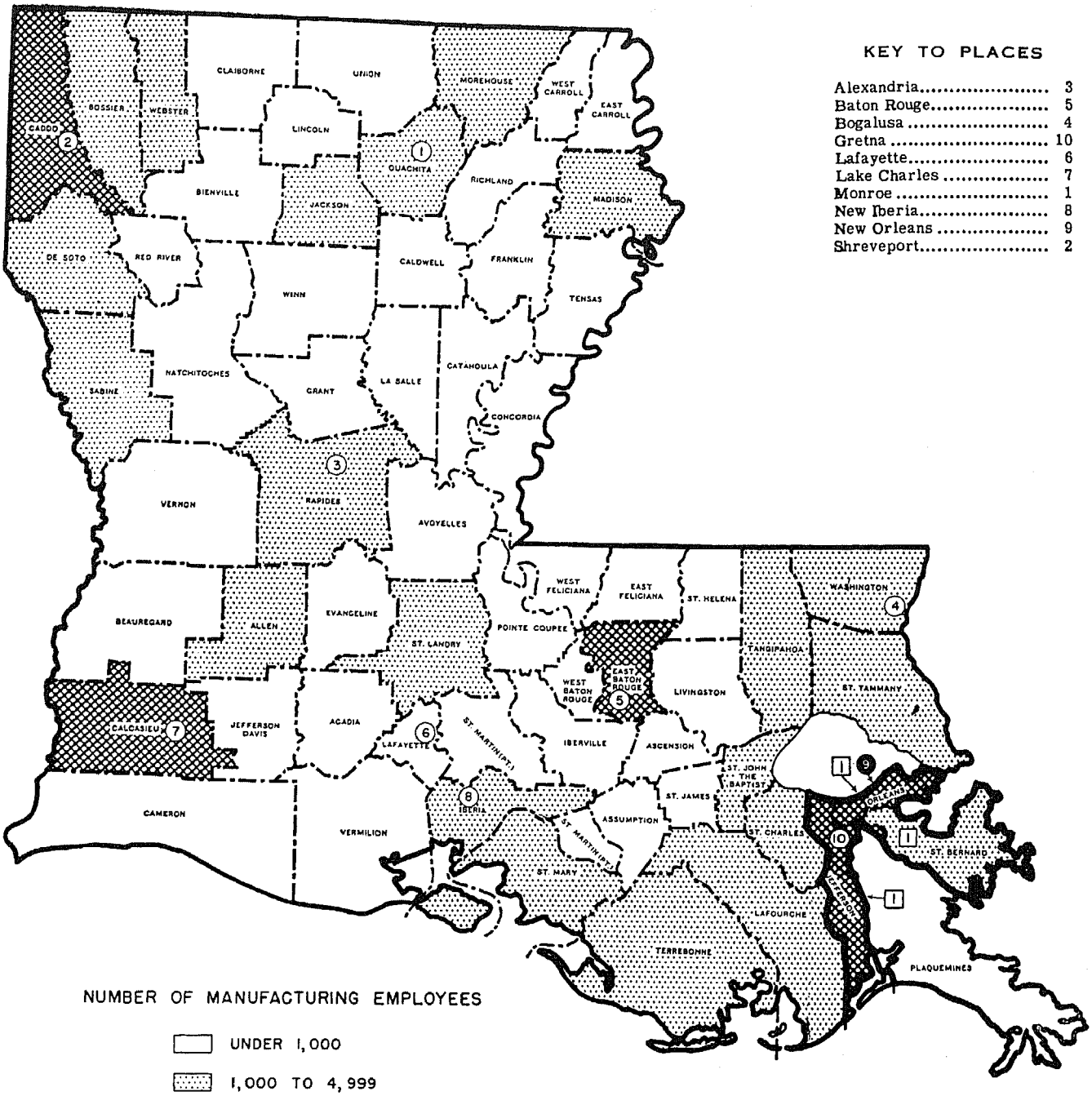
[1] Detailed statistics for the *Cincinnati Metropolitan Area* (consisting of Campbell and Kenton Counties, Kentucky; Hamilton County, Ohio) are shown in table 9 for the State of *Ohio*.

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity: Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Number of tank and refrigerated-type bodies included in trucks and trailers: Tank-type	Refrigerated-type
Trucks, total	4,125	1,418	2,105	561	25	9	7	88	128
Van	340		254	77	5		4		
Stake or platform	1,279	143	826	290	12	5	3		
Panel or light delivery	1,267	1,003	264						
All other	1,239	272	761	194	8	4			
Truck tractors	189	12	48	111	8	4	6		
Trailers and semitrailers	244							45	7

LOUISIANA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND THE NEW ORLEANS METROPOLITAN AREA: 1947 AND EARLIER CENSUS YEARS

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
	LOUISIANA					
1947	2,389	132,464	$309,871	111,553	$229,673	$694,074
1939 [3]	1,779	87,770	85,273	70,453	54,454	198,527
1937	1,684	85,702	79,122	76,057	60,203	199,856
1935 [4]	1,611	70,023	60,641	61,664	44,982	142,943
1933	1,314	n.a.	n.a.	53,052	35,643	128,125
1931	1,609	n.a.	n.a.	57,090	47,949	131,113
1929	1,989	97,551	107,960	87,345	83,867	246,497
1927	1,624	n.a.	n.a.	82,415	79,673	210,367
1925	1,742	n.a.	n.a.	88,058	79,763	244,624
1923	1,781	n.a.	n.a.	94,719	83,031	217,268
1921	1,851	n.a.	n.a.	85,170	76,761	167,510
1919	2,489	109,853	116,718	97,742	93,858	243,886
1914	2,206	86,145	50,696	77,648	39,531	97,402
1909	2,516	84,268	42,394	76,165	33,386	89,084
1904	2,091	61,836	31,360	55,859	25,316	69,344
1899	1,826	44,454	17,659	40,878	14,725	35,994
	NEW ORLEANS METROPOLITAN AREA *(Consists of Jefferson, Orleans, and St. Bernard Parishes, Louisiana)*					
1947	724	45,363	$105,210	37,932	$78,201	$222,995
1939 [3]	688	28,679	27,158	25,509	19,931	80,710
1929 [5]	851	31,558	35,893	27,065	24,839	94,120
1919 [6]	923	n.a.	n.a.	30,231	27,935	83,836

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and the 1947 figures for the New Orleans Metropolitan Area include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $200.1 million for the State and $81.1 million for the New Orleans Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $145.6 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] For the New Orleans Metropolitan Area, the figures for 1929–1947 exclude, whereas those for 1919 include, data for those industries given in footnote [4] above which were represented in the area. Value added by manufacture for 1929, including data for these industries, was $97.0 million. The comparability of the figures for 1919 with those for later years is also affected by the inclusion of data for the "Automobile repairing" industry in 1919.

[6] Does not include St. Bernard Parish, for which 1919 figures are not available. This parish represented 11.5 percent of value added by manufacture in the New Orleans Metropolitan Area in 1929.

TABLE 2.—GENERAL STATISTICS FOR THE NEW ORLEANS METROPOLITAN AREA, PARISHES, AND URBAN PLACES: 1947 AND 1939

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, PARISH, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**2,363,880**	**2,389**	**132,464**	**$309,871**	**111,553**	**$229,673**	**$694,074**	**1,779**	**70,453**	**$198,527**
STANDARD METROPOLITAN AREA										
New Orleans area	552,244	724	45,363	105,210	37,932	78,201	222,995	688	25,509	80,710
PARISHES										
Acadia	46,260	41	984	1,798	776	1,223	7,494	31	569	1,560
Allen	17,540	17	1,200	2,499	1,117	2,148	4,091	10	1,295	1,596
Ascension	21,215	22	633	1,077	588	762	1,833	11	303	492
Assumption	18,541	19	872	1,296	728	935	5,345	14	581	1,154
Avoyelles	39,256	19	348	616	316	536	1,996	11	212	211
Beauregard	14,847	16	765	1,889	696	1,418	3,548	12	346	633
Bienville	23,933	23	959	1,475	918	1,340	2,646	10	341	743
Bossier	33,162	32	1,272	2,094	1,152	1,745	5,230	18	994	(d)
Caddo	150,203	171	6,507	15,853	5,093	11,698	31,081	140	3,143	11,538
Calcasieu	56,506	71	5,597	17,612	4,322	7,297	53,195	44	1,235	3,778
Caldwell	12,046	15	896	1,675	870	1,550	2,843	3	(d)	(d)
Cameron	7,203	4	97	(d)	93	(d)	(d)	2	(d)	(d)
Catahoula	14,618	7	102	152	91	122	245	5	126	167
Claiborne	29,855	20	507	676	479	603	1,027	11	167	258
Concordia	14,562	10	373	548	350	492	823	6	266	299

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE NEW ORLEANS METROPOLITAN AREA, PARISHES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, PARISH, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
PARISHES—Con.										
De Soto	31,803	26	1,249	$2,722	1,165	$2,262	$4,545	11	453	$897
East Baton Rouge	88,415	109	16,818	59,576	12,031	40,505	132,820	48	3,458	30,377
East Carroll	19,023	6	214	(d)	195	(d)	(d)	5	145	(d)
East Feliciana	18,039	9	340	520	329	481	1,569	3	84	85
Evangeline	30,497	18	379	734	359	702	2,653	9	58	72
Franklin	32,382	6	126	178	118	161	548	10	231	217
Grant	15,933	22	456	642	441	612	966	7	589	704
Iberia	37,183	45	1,527	2,602	1,299	2,044	7,018	48	1,246	3,228
Iberville	27,721	28	938	1,506	863	1,214	2,626	28	1,045	1,469
Jackson	17,807	20	1,946	(d)	1,783	(d)	(d)	12	1,681	(d)
Jefferson	50,427	72	8,186	18,747	7,189	14,790	50,676	53	4,484	(d)
Jefferson Davis	24,191	20	769	1,520	670	1,194	3,260	11	146	406
Lafayette	43,941	39	853	1,576	682	1,068	3,663	23	413	862
Lafourche	38,615	36	1,644	2,900	1,481	2,466	4,727	22	1,212	2,987
La Salle	10,959	12	579	1,075	544	983	1,557	6	662	839
Lincoln	24,790	27	627	904	582	806	1,709	15	262	509
Livingston	17,790	25	589	838	576	803	1,417	6	189	324
Madison	18,443	8	1,338	2,216	1,267	2,007	4,251	10	916	1,103
Morehouse	27,571	18	2,765	(d)	2,307	(d)	(d)	13	1,268	(d)
Natchitoches	40,997	33	764	1,076	694	919	2,142	23	709	855
Orleans [1]	494,537	643	35,302	82,559	29,053	60,192	163,585	622	19,579	60,015
Ouachita	59,168	70	3,720	8,848	3,335	7,235	25,646	63	2,485	6,588
Plaquemines	12,318	9	241	181	226	143	324	8	153	190
Pointe Coupee	24,004	16	412	613	383	521	1,095	8	207	285
Rapides	73,370	93	3,591	6,396	3,148	4,830	13,643	53	2,099	4,246
Red River	15,881	6	71	102	66	93	199	3	25	21
Richland	28,829	8	167	251	154	224	515	5	217	171
Sabine	23,586	20	1,099	1,985	1,024	1,778	3,513	8	689	794
St. Bernard	7,280	9	1,875	3,904	1,690	3,219	8,734	13	1,446	(d)
St. Charles	12,321	6	1,105	(d)	800	(d)	(d)	7	557	(d)
St. Helena	9,542	16	179	233	179	233	317	----	----	----
St. James	16,596	8	864	(d)	758	(d)	(d)	13	847	(d)
St. John the Baptist	14,766	11	1,264	(d)	1,154	(d)	(d)	13	791	(d)
St. Landry	71,481	47	1,150	1,859	1,015	1,463	4,411	31	647	795
St. Martin	26,394	17	514	745	444	567	1,367	12	375	865
St. Mary	31,458	39	1,944	3,478	1,743	2,715	6,340	30	1,905	2,348
St. Tammany	23,624	28	1,034	1,383	971	1,734	3,685	21	618	989
Tangipahoa	45,519	51	2,385	3,844	2,072	3,084	6,367	38	1,477	2,280
Tensas	15,940	6	218	274	207	257	423	4	136	170
Terrebonne	35,880	47	2,110	2,255	1,961	1,848	5,528	32	1,358	1,517
Union	20,943	22	822	1,273	799	1,205	2,199	4	179	275
Vermilion	37,750	27	552	1,058	450	685	2,963	20	444	1,127
Vernon	19,142	25	435	588	418	554	940	7	667	1,381
Washington	34,443	36	3,522	(d)	3,065	(d)	(d)	21	1,378	(d)
Webster	33,676	31	3,441	(d)	3,142	(d)	(d)	19	1,378	(d)
West Baton Rouge	11,263	8	302	461	252	352	782	7	249	628
West Carroll	19,252	4	110	163	105	151	195	8	214	(d)
West Feliciana	11,720	4	204	(d)	200	(d)	(d)	5	309	(d)
Winn	16,923	16	612	1,025	575	930	2,542	13	452	548
URBAN PLACES										
Alexandria	27,066	43	1,603	3,292	1,264	2,114	6,746	36	799	1,997
Baton Rouge	34,719	62	4,455	14,527	3,405	10,431	42,693	31	578	2,739
Bogalusa	14,604	23	3,224	(d)	2,774	(d)	(d)	21	1,360	(d)
Gretna	10,879	12	700	(d)	610	(d)	(d)	9	203	(d)
Lafayette	19,210	26	575	1,089	447	686	2,736	20	179	470
Lake Charles	21,207	31	651	1,586	467	945	4,346	31	513	1,583
Monroe	28,309	39	1,764	3,656	1,550	2,894	8,359	37	987	2,023
New Iberia	13,747	23	443	757	361	539	2,043	25	229	424
New Orleans [1]	494,537	643	35,302	82,559	29,053	60,192	163,585	622	19,579	60,015
Shreveport	98,167	142	4,504	10,200	3,269	6,777	19,060	124	2,274	8,332

d Withheld to avoid disclosing figures for individual companies.
1 New Orleans city is coextensive with Orleans Parish.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947										1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**2,389**	**132,464**	**$309,871**	**111,553**	**231,384**	**$229,673**	**$694,074**	**$97,210**	**$32,597**	**$64,613**	**1,779**	**70,453**	**$198,527**
20	Food and kindred products	780	28,754	56,027	22,690	47,768	37,391	139,137	17,147	5,658	11,489	770	18,929	61,940
22	Textile mill products	16	2,347	4,133	2,253	4,614	3,743	7,838	378	71	307	22	2,521	3,418
23	Apparel and related products	70	6,188	10,050	5,566	10,092	7,438	18,986	710	247	463	59	4,209	6,027
24	Lumber and products, exc. furniture	626	29,083	47,269	27,611	57,900	42,186	84,089	5,024	1,315	3,709	293	19,934	25,993
25	Furniture and fixtures	51	1,344	2,611	1,224	2,575	2,062	4,613	234	61	173	44	1,363	2,056
26	Paper and allied products	40	14,156	37,853	12,429	26,680	31,261	99,217	16,771	3,492	13,279	34	7,339	24,245
27	Printing and publishing industries	248	3,973	10,965	2,274	4,667	6,272	23,005	945	204	741	211	1,816	9,740
28	Chemicals and allied products	147	12,852	37,857	9,892	20,551	27,093	113,482	27,067	6,007	21,060	112	3,884	29,717
29	Petroleum and coal products	25	12,657	49,139	9,122	18,853	27,830	121,998	21,562	12,909	8,653	19	2,988	16,609
31	Leather and leather products	5	43	121	28	59	49	216	9	----------	9	6	20	87
32	Stone, clay, and glass products	115	3,392	8,645	2,963	5,841	7,128	16,589	4,110	1,622	2,488	46	1,629	5,640
33	Primary metal industries	19	805	1,969	714	1,494	1,588	2,458	199	94	105	11	277	600
34	Fabricated metal products	78	3,749	9,326	3,092	6,366	7,083	15,985	1,266	332	934	45	1,530	4,521
35	Machinery (except electrical)	47	1,846	4,540	1,595	3,538	3,535	6,533	604	234	370	38	887	2,391
37	Transportation equipment	53	9,358	25,827	8,390	16,960	22,180	34,162	809	292	517	23	1,468	2,871
38	Instruments and related products	5	102	229	68	141	121	248	6	----------	6	2	(d)	(d)
39	Miscellaneous manufactures	53	936	2,039	817	1,665	1,574	3,396	313	26	287	33	415	849
	All other major industry groups	11	879	1,271	825	1,620	1,139	2,122	56	33	23	11	(d)	(d)

[d] Withheld to avoid disclosing figures for individual companies.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year) 1939	Number (average for the year) 1947	Wages, total 1947		
No.	Title											
	All industries, total [1]	**2,389**	**1,440**	**676**	**273**	**132,464**	**$309,871**	**70,453**	**111,553**	**$229,673**	**$694,074**	**$97,210**
20	Food and kindred products	780	476	240	64	28,754	56,027	18,929	22,690	37,391	139,137	17,147
201	Meat products	56	32	22	2	1,689	3,679	551	1,259	2,419	6,741	628
2011	Meat packing, wholesale	36	24	10	2	971	2,183	325	823	1,649	3,865	441
2013	Prepared meats	20	8	12	----------	718	1,496	(d)	436	770	2,976	187
202	Dairy products	30	24	5	1	606	1,106	[3] 189	474	711	2,285	394
203	Canning, preserving, and freezing	75	32	32	11	4,326	4,190	3,392	3,806	2,807	8,546	816
2031	Canned sea food	22	3	12	7	2,340	1,434	2,754	2,250	1,251	2,752	117
2033	Canning and preserving, except fish	12	5	7	----------	430	618	228	362	433	1,420	(d)
2037	Frozen foods	12	5	5	2	547	445	(d)	463	247	1,500	205
204	Grain-mill products	64	25	34	5	2,503	5,151	1,474	2,077	3,374	17,947	1,416
2044	Rice cleaning and polishing	48	19	26	3	1,772	3,437	1,158	1,459	2,287	14,267	1,224
205	Bakery products	129	90	27	12	3,580	8,492	[2] 2,900	2,432	4,875	15,285	1,309
206	Sugar	88	19	49	20	8,241	15,186	7,250	7,221	12,372	36,552	6,082
2071	Confectionery products	24	19	3	2	549	803	501	504	645	2,104	76
208	Beverages	101	60	34	7	3,644	9,510	1,310	2,274	5,482	25,606	5,259
2081	Bottled soft drinks	92	59	30	3	2,148	4,589	614	1,040	1,790	11,849	1,564
2082	Malt liquors	6	----------	2	4	1,432	4,731	661	1,196	3,616	13,489	3,687
209	Miscellaneous food preparations	213	175	34	4	3,616	7,910	1,362	2,643	4,706	23,971	1,167
2097	Manufactured ice	141	125	16	----------	1,528	2,954	624	1,118	2,105	7,013	359
2098	Macaroni and spaghetti	9	6	2	1	276	419	200	239	312	859	23
2099	Food preparations, n.e.c.	55	39	14	2	1,342	3,378	178	898	1,466	9,186	360
21	Tobacco manufactures	7	3	2	2	784	(d)	1,210	755	(d)	(d)	(d)
22	Textile mill products	16	11	3	2	2,347	4,133	2,521	2,253	3,743	7,838	378
23	Apparel and related products	70	24	29	17	6,188	10,050	4,209	5,566	7,438	18,986	710
2311	Men's and boys' suits and coats	13	3	7	3	1,706	3,208	1,442	1,541	2,324	4,938	160
232	Men's and boys' furnishings	22	6	9	7	2,472	3,600	1,401	2,215	2,647	7,598	176
239	Miscellaneous fabric textiles	26	12	9	5	1,378	2,401	1,041	1,216	1,782	4,729	361
2393	Textile bags	9	----------	4	5	1,098	1,876	928	991	1,460	3,591	343

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
24	Lumber and products, except furniture	626	329	222	75	29,083	$47,269	19,934	27,611	$42,186	$84,089	$5,024
242	Lumber and timber basic products	529	274	191	64	23,589	37,001	16,877	22,650	33,643	63,949	4,345
2421	Sawmills and planing mills, general	505	273	172	60	21,667	34,040	15,261	20,813	31,010	59,588	3,846
2422	Veneer mills	8	----------	7	1	494	782	465	466	692	1,214	235
2424	Cooperage stock mills	16	1	12	3	1,428	2,179	1,151	1,371	1,941	3,147	264
243	Millwork and related products	54	40	10	4	1,856	3,860	1,264	1,556	2,994	6,533	251
2431	Millwork plants	50	40	9	1	965	2,042	(d)	833	1,540	3,084	147
244	Wooden containers	22	9	7	6	2,632	4,633	1,116	2,482	4,053	7,477	303
2444	Wooden boxes (except cigar boxes)	12	3	4	5	2,219	3,896	798	2,089	3,377	6,879	296
249	Miscellaneous wood products	21	6	14	1	1,006	1,775	677	923	1,496	6,130	125
2491	Wood preserving	13	1	11	1	886	1,598	531	811	1,355	5,805	117
2499	Wood products, n.e.c.	8	5	3	----------	120	177	146	112	141	325	8
25	Furniture and fixtures	51	35	14	2	1,344	2,611	1,363	1,224	2,062	4,613	234
251	Household furniture	35	21	12	2	1,156	2,224	1,274	1,057	1,756	3,907	192
2511	Wood house furniture, except upholst.	19	11	7	1	714	1,313	764	657	1,058	2,403	151
26	Paper and allied products	40	8	5	27	14,156	37,853	7,339	12,429	31,261	99,217	16,771
261	Pulp, paper, and paperboard	17	----------	2	15	11,013	30,468	5,732	9,591	25,325	80,511	15,000
2611	Pulp mills	8	----------	2	6	4,111	11,681	1,787	3,629	9,903	33,685	6,172
2612	Paper and board mills	9	----------	----------	9	6,902	18,787	3,945	5,962	15,422	46,826	8,828
2661	Paper bags	7	1	1	5	1,555	3,532	926	1,448	3,012	8,935	228
2671	Paperboard boxes	10	4	----------	6	1,361	3,342	622	1,196	2,526	8,679	633
27	Printing and publishing industries	248	216	26	6	3,973	10,965	1,816	2,274	6,272	23,005	915
2711	Newspapers	87	76	5	6	2,463	7,010	939	1,206	3,481	16,298	653
2721	Periodicals	20	18	2	----------	147	313	22	34	57	634	17
2751	Commercial printing	103	87	16	----------	1,064	2,843	725	821	2,154	4,825	202
2761	Lithographing	7	5	2	----------	101	268	32	74	181	357	14
279	Printing trades service industries	17	16	1	----------	131	386	65	96	310	652	45
28	Chemicals and allied products	147	71	53	23	12,852	37,857	3,884	9,892	27,093	113,482	27,067
281	Industrial inorganic chemicals	17	5	5	7	3,305	9,582	647	2,208	6,490	19,878	22,271
282	Industrial organic chemicals	12	1	5	6	4,947	17,614	648	3,820	12,743	64,385	2,245
285	Paints and allied products	13	9	3	1	382	945	166	265	556	2,286	74
2862	Softwood distillation	5	----------	3	2	833	2,409	(d)	756	1,862	5,919	561
287	Fertilizers	13	3	8	2	897	1,818	524	753	1,325	3,857	239
288	Vegetable and animal oils	28	10	17	1	971	2,001	732	816	1,355	6,549	687
2881	Cottonseed oil mills	14	3	11	----------	542	1,119	732	438	715	3,219	442
2884	Vegetable oil mills, n.e.c.	7	3	3	1	276	628	----------	240	467	2,406	180
289	Miscellaneous chemical products	40	26	10	4	1,366	3,259	792	1,155	2,605	10,012	969
2895	Carbon black	6	1	3	2	521	1,480	211	492	1,360	5,769	562
2896	Compressed and liquefied gases	10	5	5	----------	228	564	93	145	352	1,506	235
29	Petroleum and coal products	25	5	8	12	12,657	49,139	2,988	9,122	27,830	121,998	21,562
2911	Petroleum refining	16	3	5	8	11,453	45,793	2,629	8,146	25,431	114,162	20,711
295	Paving and roofing materials	6	2	1	3	898	2,316	(d)	739	1,731	5,720	520
2992	Lubricants, n.e.c.	3	----------	2	1	306	1,030	(d)	237	668	2,116	331
31	Leather and leather products	5	5	----------	----------	43	121	20	28	49	216	9
32	Stone, clay, and glass products	115	93	17	5	3,392	8,645	1,629	2,903	7,128	16,589	4,110
3251	Brick and hollow tile	12	6	6	----------	306	548	395	272	421	757	(d)
327	Concrete and plaster products	87	78	9	----------	657	1,120	232	590	920	2,171	363
33	Primary metal industries	19	10	6	3	805	1,969	277	714	1,588	2,458	199
34	Fabricated metal products	78	47	21	10	3,749	9,326	1,530	3,092	7,083	15,985	1,266
344	Structural metal products	54	32	17	5	2,305	5,859	603	1,881	4,381	7,985	721
3441	Structural and ornamental products	20	12	7	1	592	1,542	(d)	503	1,180	2,362	72
3491	Metal barrels, drums, and pails	5	1	3	1	356	1,000	(d)	306	793	3,570	293
35	Machinery (except electrical)	47	29	11	7	1,846	4,540	887	1,595	3,535	6,533	604
352	Tractors and farm machinery	8	4	3	1	343	735	(d)	285	556	583	80
355	Special-industry machinery, n.e.c.	12	8	1	3	613	1,498	263	510	1,144	2,142	155
356	General industrial machinery	9	6	3	----------	136	330	158	123	263	1,026	153
3564	Blowers and fans	4	1	3	----------	113	286	28	101	222	936	153
359	Miscellaneous machinery parts	8	5	3	----------	166	375	332	148	306	674	17
36	Electrical machinery	4	2	2	----------	95	(d)	(d)	70	(d)	(d)	(d)
37	Transportation equipment	53	28	10	15	9,358	25,827	1,468	8,390	22,180	34,162	809
3731	Ship building and repairing	21	4	6	11	6,384	18,063	(3)	5,838	15,924	25,336	339
38	Instruments and related products	5	3	2	----------	102	229	(d)	68	121	248	6
39	Miscellaneous manufactures	53	45	5	3	936	2,039	415	817	1,574	3,396	313
399	Miscellaneous manufactures	38	30	5	3	825	1,816	352	729	1,404	2,999	304
3993	Signs and advertising displays	12	9	2	1	290	814	121	243	609	1,262	32

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[3] In 1939, Ship building and repairing (industry 3731) and Boat building and repairing (industry 3732), combined, reported 1,233 production workers. Separate figures for each industry are not available.

TABLE 5.—GENERAL STATISTICS FOR THE NEW ORLEANS METROPOLITAN AREA,[1] BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	All industries, total [2]	**724**	**45,363**	**$105,210**	**37,932**	**$78,201**	**$222,995**	**$19,306**
20	Food and kindred products	230	11,678	26,170	8,944	16,594	64,390	6,522
201	Meat products	16	731	1,608	529	1,049	2,964	237
2011	Meat packing, wholesale	4	214	501	196	429	697	88
2013	Prepared meats	12	517	1,107	333	610	2,267	149
203	Canning, preserving, and freezing	26	1,913	2,238	1,635	1,401	4,395	178
2031	Canned sea food	7	1,164	811	1,111	702	1,522	100
2037	Frozen foods	6	113	140	101	90	736	61
204	Grain-mill products	9	444	1,078	342	541	3,453	195
2042	Prepared animal feeds	4	228	629	166	326	1,581	107
205	Bakery products	52	1,766	4,281	1,186	2,432	6,952	433
208	Beverages	26	2,300	6,803	1,576	4,392	18,903	4,224
2081	Bottled soft drinks	17	804	1,882	342	700	5,146	529
2082	Malt liquors	6	1,432	4,731	1,196	3,616	13,489	3,687
209	Miscellaneous food preparations	75	2,163	5,329	1,587	3,021	17,498	707
2097	Manufactured ice	35	429	996	347	785	2,220	46
2099	Food preparations, n.e.c.	24	1,013	2,791	634	1,123	7,558	215
21	Tobacco manufactures	6	692	(d)	666	(d)	(d)	(d)
22	Textile mill products	8	2,259	4,075	2,178	3,694	7,758	377
23	Apparel and related products	59	5,569	9,326	4,986	6,786	17,464	656
2311	Men's and boys' suits and coats	13	1,706	3,208	1,541	2,324	4,938	160
2327	Separate trousers	9	439	570	410	459	1,033	26
2329	Men's and boys' clothing, n.e.c.	4	205	276	193	222	382	13
239	Miscellaneous fabricated textiles	22	1,355	2,371	1,194	1,754	4,676	360
2393	Textile bags	9	1,098	1,876	991	1,460	3,591	343
24	Lumber and products, except furniture	42	2,135	4,332	1,931	3,423	8,396	284
242	Lumber and timber basic products	8	531	1,150	479	811	2,737	68
244	Wooden containers	12	1,212	2,388	1,128	2,030	3,511	150
2444	Wooden boxes (except cigar boxes)	5	812	1,667	748	1,370	2,961	143
25	Furniture and fixtures	27	1,119	2,222	1,023	1,772	3,562	186
251	Household furniture	21	987	1,944	908	1,542	3,068	182
2511	Wood house furniture, except upholst.	10	607	1,151	560	933	1,783	141
26	Paper and allied products	17	3,633	8,886	3,218	7,196	24,921	5,993
267	Paperboard containers and boxes	8	629	1,451	539	922	3,114	565
27	Printing and publishing industries	116	2,255	6,747	1,213	3,563	13,505	700
2721	Periodicals	15	133	285	31	51	570	17
2751	Commercial printing	63	611	1,666	475	1,236	2,842	118
28	Chemicals and allied products	57	1,670	3,987	1,288	2,713	19,996	731
2851	Paints and varnishes	8	255	655	171	396	1,759	66
287	Fertilizers	3	441	958	367	695	1,895	48
289	Miscellaneous chemical products	20	286	658	191	421	1,499	213
2896	Compressed and liquefied gases	5	135	330	88	214	869	148
29	Petroleum and coal products	7	1,156	3,295	954	2,457	8,463	1,044
31	Leather and leather products	4	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	23	1,222	2,907	1,014	2,210	6,756	1,257
3271	Concrete products	15	172	329	155	265	619	35
33	Primary metal industries	6	488	1,264	439	1,008	1,381	71
34	Fabricated metal products	43	2,278	5,660	1,917	4,345	11,054	677
344	Structural metal products	24	875	2,269	744	1,715	3,202	132
3441	Structural and ornamental products	13	460	1,260	383	961	1,795	33
3443	Boiler shop products	5	138	262	125	214	400	27
3444	Sheet-metal work	6	277	747	236	540	1,007	72
346	Metal stamping and coating	10	271	575	234	450	1,079	45
35	Machinery (except electrical)	14	157	370	135	292	923	47
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	31	8,380	23,356	7,483	20,101	30,399	700
373	Ships and boats	26	8,207	22,862	7,345	19,758	29,573	652
38	Instruments and related products	4	90	(d)	60	(d)	(d)	(d)
39	Miscellaneous manufactures	28	532	1,319	448	980	2,028	38
399	Miscellaneous manufactures	18	464	1,151	398	858	1,752	31
3993	Signs and advertising displays	4	239	666	198	478	955	18

[d] Withheld to avoid disclosing figures for individual companies.

[1] The New Orleans Metropolitan Area consists of Jefferson, Orleans, and St. Bernard Parishes, Louisiana.

[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATISTICS FOR ORLEANS PARISH, BY INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [1]	643	35,302	$82,559	29,053	$60,192	$163,585	$11,233
20	Food and kindred products	209	8,623	20,777	6,236	12,343	51,547	5,716
203	Canning, preserving, and freezing	19	921	1,511	688	729	2,972	77
204	Grain-mill products	9	444	1,078	342	541	3,453	195
209	Miscellaneous food preparations	66	1,546	3,842	1,090	1,968	12,817	235
21	Tobacco manufactures	6	692	(d)	666	(d)	(d)	(d)
22	Textile mill products	8	2,259	4,075	2,178	3,694	7,758	377
23	Apparel and related products	56	5,482	(d)	4,907	(d)	(d)	(d)
231	Men's and boys' suits and coats	13	1,706	3,208	1,541	2,324	4,938	160
24	Lumber and products, except furniture	27	851	1,759	742	1,412	4,135	125
243	Millwork and related products	16	211	411	163	289	838	4
25	Furniture and fixtures	26	(d)	(d)	(d)	(d)	(d)	(d)
251	Household furniture	21	987	1,944	908	1,542	3,068	182
26	Paper and allied products	13	774	(d)	663	(d)	(d)	(d)
27	Printing and publishing industries	114	(d)	(d)	(d)	(d)	(d)	(d)
272	Periodicals	15	133	285	31	51	570	17
28	Chemicals and allied products	44	885	2,130	632	1,350	9,815	469
285	Paints and allied products	9	261	665	176	400	1,825	68
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	4	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	21	(d)	(d)	(d)	(d)	(d)	(d)
33	Primary metal industries	5	(d)	(d)	(d)	(d)	(d)	(d)
34	Fabricated metal products	37	1,717	(d)	1,457	(d)	(d)	(d)
344	Structural metal products	21	763	2,064	649	1,538	2,953	125
349	Miscellaneous fabricated metal products	3	283	779	239	597	2,681	280
35	Machinery (except electrical)	13	(d)	(d)	(d)	(d)	(d)	(d)
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	25	7,590	(d)	6,774	(d)	(d)	(d)
38	Instruments and related products	4	90	(d)	60	(d)	(d)	(d)
39	Miscellaneous manufactures	28	532	1,319	448	980	2,028	38
399	Miscellaneous manufactures	18	464	1,151	398	858	1,752	31

d Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR PARISHES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

PARISH AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles): 20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	2,389	780	7	16	70	626	51	40	248	147	25	------	5	115	19	78	47	4	53	5	53
1-19 employees	1,440	476	3	11	24	329	35	8	216	71	5	------	5	93	10	47	29	2	28	3	45
20-99 employees	676	240	2	3	29	222	14	5	26	53	8	------	------	17	6	21	11	2	10	2	5
100 employees and over	273	64	2	2	17	75	2	27	6	23	12	------	------	5	3	10	7	------	15	------	3
Acadia:																					
1-19 employees	23	16	------	------	------	1	------	------	4	1	------	------	------	1	------	------	------	------	------	------	------
20-99 employees	18	16	------	------	------	1	------	------	------	------	1	------	------	------	------	------	------	------	------	------	------
Allen:																					
1-19 employees	10	1	------	------	------	7	------	------	2	------	------	------	------	------	------	------	------	------	------	------	------
20-99 employees	4	------	------	------	------	3	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	3	------	------	------	------	2	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------
Ascension:																					
1-19 employees	16	5	------	------	------	4	------	------	3	------	------	------	------	1	------	1	2	------	------	------	------
20-99 employees	4	2	1	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	2	1	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Assumption:																					
1-19 employees	11	8	------	------	------	2	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------
20-99 employees	5	5	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	3	3	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Avoyelles:																					
1-19 employees	13	5	------	1	------	2	------	------	2	------	1	------	------	2	------	------	------	------	------	------	------
20-99 employees	6	2	------	------	------	2	------	------	------	2	------	------	------	------	------	------	------	------	------	------	------
Beauregard:																					
1-19 employees	10	4	------	------	------	2	1	------	2	------	------	------	------	1	------	------	------	------	------	------	------
20-99 employees	4	1	------	------	------	3	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	2	------	------	------	------	1	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------
Bienville:																					
1-19 employees	13	2	------	------	------	6	------	------	1	2	------	------	------	2	------	------	------	------	------	------	------
20-99 employees	8	------	------	------	------	7	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	2	------	------	------	------	2	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR PARISHES: 1947—Continued

PARISH AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Bossier:																					
1-19 employees	16	2				6			2	1				2		1	1				1
20-99 employees	13	1				6				4	2										
100 employees and over	3					3															
Caddo:																					
1-19 employees	106	37			2	10	5	1	16	6	1		1	7	5	4	3		2	1	5
20-99 employees	52	18				10	1		4	6	2			1		4	3	2			1
100 employees and over	13	1			1	3			2		2			1		1	2				
Calcasieu:																					
1-19 employees	41	14				11			5					7	1		1		1		1
20-99 employees	20	9				6			1	2				2							
100 employees and over	10	2				2				4	2										
Caldwell:																					
1-19 employees	8	1				5			1					1							
20-99 employees	4					4															
100 employees and over	3					3															
Cameron:																					
1-19 employees	3	2																	1		
20-99 employees	1									1											
Catahoula:																					
1-19 employees	6	1		1		3			1												
20-99 employees	1					1															
Claiborne:																					
1-19 employees	11	3				6			2												
20-99 employees	8					8															
100 employees and over	1					1															
Concordia:																					
1-19 employees	5	2				1			1					1							
20-99 employees	5					5															
De Soto:																					
1-19 employees	17	3				10			2								2				
20-99 employees	6					6															
100 employees and over	3					1											1		1		
East Baton Rouge:																					
1-19 employees	66	22				9	4		9	3				6		9	1				3
20-99 employees	27	10				5			4	2	1			2		2	1				
100 employees and over	16	2				3			1	6	1				1	1	1				
East Carroll:																					
1-19 employees	4	2							1												1
20-99 employees	1					1															
100 employees and over	1					1															
East Feliciana:																					
1-19 employees	5	2				2				1											
20-99 employees	2					2															
100 employees and over	2					2															
Evangeline:																					
1-19 employees	12	2				9			1												
20-99 employees	5	1				3				1											
100 employees and over	1									1											
Franklin:																					
1-19 employees	5	2				2			1												
20-99 employees	1					1															
Grant:																					
1-19 employees	16					13			1		1			1							
20-99 employees	5					5															
100 employees and over	1					1															
Iberia:																					
1-19 employees	26	16							2	1				4	1	1			1		
20-99 employees	15	12					1								1		1				
100 employees and over	4	1								3											
Iberville:																					
1-19 employees	16	5		2		5			2					1					1		
20-99 employees	9	6				3															
100 employees and over	3					2											1				
Jackson:																					
1-19 employees	13	3				8			1					1							
20-99 employees	3					3															
100 employees and over	4					1		3													
Jefferson:																					
1-19 employees	28	7			1	4	1	1	2	3	1			1		2	1		4		
20-99 employees	27	4			2	8				5	2			1	1	3			1		
100 employees and over	17	5				2		3		3	2					1			1		
Jefferson Davis:																					
1-19 employees	15	4				5			1					3			2				
20-99 employees	3	2				1															
100 employees and over	2													2							
Lafayette:																					
1-19 employees	26	10				3	1		4	2				2		1			2		1
20-99 employees	11	4				1			1	2				2			1				
100 employees and over	2	2																			
Lafourche:																					
1-19 employees	21	12				2			2					2			1				2
20-99 employees	9	5				2													1		1
100 employees and over	6	4				1											1				
La Salle:																					
1-19 employees	9	2				5			1					1							
20-99 employees	1					1															
100 employees and over	2					2															
Lincoln:																					
1-19 employees	21	7				10	1		1	1				1							
20-99 employees	5	1				4															
100 employees and over	1					1															
Livingston:																					
1-19 employees	19					17								2							
20-99 employees	4					4															
100 employees and over	2					2															

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR PARISHES: 1947—Continued

PARISH AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Madison:																					
1-19 employees	4	2				1			1												
20-99 employees	2	1								1											
100 employees and over	2					2															
Morehouse:																					
1-19 employees	6	2				3			1												
20-99 employees	6					5				1											
100 employees and over	6							6													
Natchitoches:																					
1-19 employees	24	6				14			2					2							
20-99 employees	8	2			1	4				1											
100 employees and over	1					1															
Orleans:																					
1-19 employees	400	118	3	3	18	19	13	6	99	35			4	14	1	22	10	2	7	2	24
20-99 employees	169	70	1	3	24	7	11	3	13	7				5	2	9	3		7	2	2
100 employees and over	74	21	2	2	14	1	2	4	2	2	1			2	2	6			11		2
Ouachita:																					
1-19 employees	40	15			1	5	1		5	2				6	1	1	1				2
20-99 employees	20	6			1	7	1	1		3				1							
100 employees and over	10				1	3		3	1	2											
Plaquemines:																					
1-19 employees	6	3				1	1			1											
20-99 employees	3	3																			
Pointe Coupee:																					
1-19 employees	7	2		1		2			1					1							
20-99 employees	9	1				7				1											
Rapides:																					
1-19 employees	53	21			1	11	2		4	2				4	1	3					4
20-99 employees	32	9				14			2	3				1	1	1					1
100 employees and over	8	2				6															
Red River:																					
1-19 employees	5	1				3			1												
20-99 employees	1					1															
Richland:																					
1-19 employees	7	4				1			1					1							
100 employees and over	1					1															
Sabine:																					
1-19 employees	11	2				8			1												
20-99 employees	6					6															
100 employees and over	3					3															
St. Bernard:																					
1-19 employees	3	2								1											
20-99 employees	1									1											
100 employees and over	5	3				1					1										
St. Charles:																					
1-19 employees	1					1															
20-99 employees	3	1								2											
100 employees and over	2										2										
St. Helena:																					
1-19 employees	15					15															
20-99 employees	1					1															
St. James:																					
1-19 employees	4	2		1															1		
20-99 employees	3	3																			
100 employees and over	1	1																			
St. John the Baptist:																					
1-19 employees	6	2				2								1			1				
20-99 employees	2	2																			
100 employees and over	3	2																			1
St. Landry:																					
1-19 employees	32	17		1		4	2		4	2				1							1
20-99 employees	13	3				6			1	3											
100 employees and over	2					1				1											
St. Martin:																					
1-19 employees	9	5		1					1		1			1							
20-99 employees	7	6								1											
100 employees and over	1	1																			
St. Mary:																					
1-19 employees	21	9			1	1	1		2					3					4		
20-99 employees	13	8				2										1	1		1		
100 employees and over	5	3				2															
St. Tammany:																					
1-19 employees	14	5				5			1	1				1					1		
20-99 employees	12	1				8				2				1							
100 employees and over	2																		2		
Tangipahoa:																					
1-19 employees	28	9				13			4					2							
20-99 employees	14	2				11								1							
100 employees and over	9	1			1	6											1				
Tensas:																					
1-19 employees	3	2				1															
20-99 employees	3					3															
Terrebonne:																					
1-19 employees	27	14				6			2							2	1		2		
20-99 employees	13	12														1					
100 employees and over	7	6														1					
Union:																					
1-19 employees	14	2				11			1												
20-99 employees	4					4															
100 employees and over	4					4															
Vermilion:																					
1-19 employees	19	13							1	3				1					1		
20-99 employees	6	5				1															
100 employees and over	2	2																			

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR PARISHES: 1947—Continued

PARISH AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Vernon:																					
1-19 employees	16	4				11			1												
20-99 employees	9					9															
Washington:																					
1-19 employees	20	6				7			3	1				2			1				
20-99 employees	11	2				7				1					1						
100 employees and over	5					1		4													
Webster:																					
1-19 employees	16	2				5	2		1	2				3			1				
20-99 employees	8	1			1	5											1				
100 employees and over	7					3		3			1										
West Baton Rouge:																					
1-19 employees	4	1				2			1												
20-99 employees	3	3																			
100 employees and over	1	1																			
West Carroll:																					
1-19 employees	2					1			1												
20-99 employees	2					2															
West Feliciana:																					
1-19 employees	3	1				1			1												
100 employees and over	1					1															
Winn:																					
1-19 employees	9	2				5			2												
20-99 employees	5					5															
100 employees and over	2					2															

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month											
				Number of employees											
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$309,871**	**132,464**	**130,549**	**123,062**	**123,289**	**124,919**	**126,118**	**128,494**	**128,650**	**129,249**	**133,850**	**134,194**	**136,527**	**139,887**	**138,344**
20	Food and kindred products	56,027	28,754	27,792	25,100	23,256	24,098	24,949	25,535	24,959	25,345	29,635	30,077	31,665	35,758	33,125
22	Textile mill products	4,133	2,347	2,346	2,150	2,392	2,469	2,395	2,413	2,423	2,322	2,312	2,244	2,356	2,336	2,334
23	Apparel and related products	10,050	6,188	6,109	6,048	6,146	6,259	5,995	6,099	5,960	5,679	5,444	6,040	6,369	6,620	6,650
24	Lumber and products, exc. furniture	47,269	29,083	28,973	27,794	28,432	28,703	28,686	29,082	29,333	29,420	29,773	29,278	29,553	29,225	28,391
25	Furniture and fixtures	2,611	1,344	1,223	1,206	1,199	1,203	1,202	1,177	1,150	1,191	1,226	1,256	1,286	1,279	1,296
26	Paper and allied products	37,853	14,156	14,156	13,543	13,495	13,556	13,587	13,878	13,955	14,133	14,487	14,719	14,673	14,907	14,936
27	Printing and publishing industries	10,965	3,973	3,920	3,776	3,804	3,812	3,851	3,866	3,886	3,923	3,929	3,960	4,056	4,083	4,107
28	Chemicals and allied products	37,857	12,852	12,775	11,572	12,080	12,190	11,987	12,114	12,504	13,419	13,231	13,523	13,575	13,580	13,525
29	Petroleum and coal products	49,139	12,657	12,656	12,287	12,283	12,469	12,431	12,667	12,787	12,688	12,798	12,852	12,815	12,773	13,022
31	Leather and leather products	121	43	43	42	41	41	39	40	41	40	42	47	52	48	48
32	Stone, clay, and glass products	8,645	3,392	3,273	2,937	2,970	3,039	3,134	3,086	3,201	3,302	3,419	3,474	3,554	3,545	3,611
33	Primary metal industries	1,969	805	754	757	777	777	784	763	766	747	748	761	723	730	718
34	Fabricated metal products	9,326	3,749	3,622	3,385	3,264	3,335	3,351	3,461	3,552	3,580	3,857	4,007	3,896	3,865	3,910
35	Machinery (except electrical)	4,540	1,846	1,801	1,561	1,645	1,722	1,802	1,838	1,842	1,882	1,948	1,897	1,839	1,784	1,846
37	Transportation equipment	25,827	9,358	9,281	9,002	9,641	9,428	10,200	10,829	10,655	10,144	9,286	8,322	8,358	7,075	8,443
38	Instruments and related products	229	102	100	99	98	96	95	99	97	100	101	98	103	107	107
39	Miscellaneous manufactures	2,039	936	847	794	740	737	744	735	744	761	774	763	758	1,257	1,354
	All other major industry groups	1,271	879	878	1,009	1,026	985	886	812	795	573	840	876	896	915	921

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE NEW ORLEANS METROPOLITAN AREA, AND ORLEANS PARISH: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

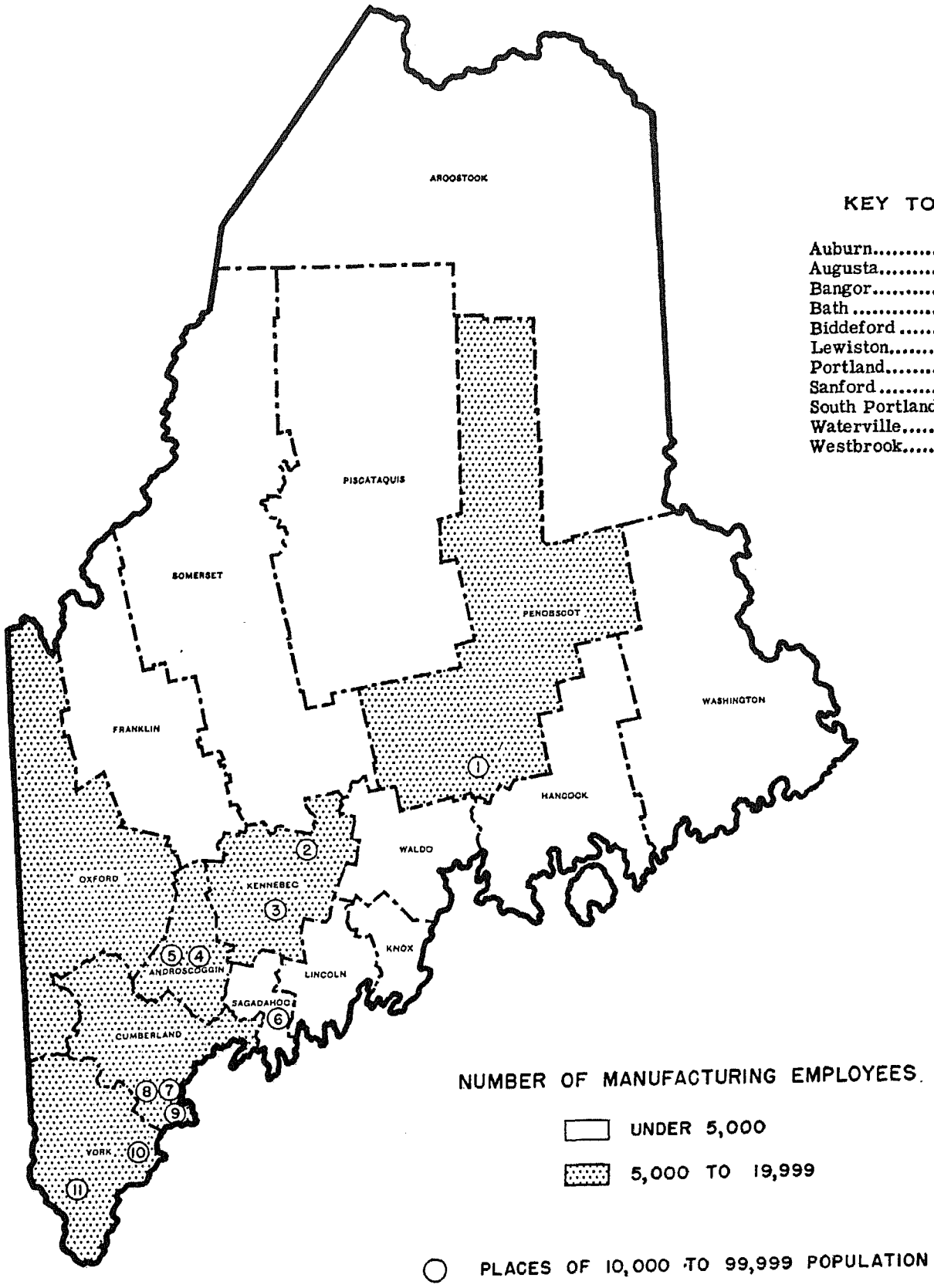
ITEM	Total for the State	New Orleans Metropolitan Area	Orleans Parish
ALL ESTABLISHMENTS			
Number of establishments	2,389	724	643
Number of employees (average for the year)	132,464	45,363	35,302
Salaries and wages, total	$309,871	$105,210	$82,559
Value added by manufacture	$694,074	$222,995	$163,585
Establishment by employment size group:			
1-4 employees	501	171	161
5-9 employees	473	140	129
10-19 employees	466	120	110
20-49 employees	420	116	100
50-99 employees	256	81	69
100-249 employees	180	59	44
250-499 employees	58	22	18
500-999 employees	23	10	9
1,000-2,499 employees	9	4	3
2,500 employees and over	3	1	----------
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	1,739	524	460
Number of employees (average for the year)	128,204	44,331	34,377
Salaries and wages, total	$303,703	$103,357	$80,859
Value added by manufacture	$682,632	$219,490	$160,381
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	134,050	45,285	34,576
Male	113,640	32,608	24,056
Female	20,410	12,677	10,520
Production workers	112,417	37,786	28,268
Male	96,335	26,922	19,268
Female	16,082	10,864	9,000
Force-account construction workers	2,759	103	86
Administrative, supervisory, sales, and all other	18,874	7,396	6,222
Male	14,554	5,583	4,702
Female	4,320	1,813	1,520
Expenditures for plant and equipment:			
New plant and equipment	$97,210	$19,306	$11,233
Construction and major alteration of fixed plants	32,597	5,431	2,935
Buildings	17,096	4,813	2,653
Other construction	15,501	618	282
Machinery and equipment	64,613	13,875	8,298
Production machinery and equipment	56,016	11,570	6,190
Other machinery and equipment	8,597	2,305	2,108
Used plant and equipment and land	5,227	1,065	658

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	6,115	2,159	2,666	1,024	115	78	73	33	147
Van	275	----------	118	104	17	13	23	----------	----------
Stake or platform	1,474	158	845	402	24	25	20	----------	----------
Panel or light delivery	2,011	1,621	390	----------	----------	----------	----------	----------	----------
All other	2,355	380	1,313	518	74	40	30	----------	----------
Truck tractors	1,310	19	778	357	70	42	44	----------	----------
Trailers and semitrailers	1,666	----------	----------	----------	----------	----------	----------	24	21

MAINE

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Auburn	5
Augusta	3
Bangor	1
Bath	6
Biddeford	10
Lewiston	4
Portland	7
Sanford	11
South Portland	9
Waterville	2
Westbrook	8

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
1947	1,635	100,181	$233,994	90,378	$199,204	$432,123
1939 [3]	1,118	82,184	83,479	74,040	67,340	150,588
1937	1,171	81,896	85,715	75,464	72,263	151,111
1935 [4]	1,189	74,670	70,168	68,603	58,027	117,216
1933	995	n.a.	n.a.	59,518	45,867	103,913
1931	1,235	n.a.	n.a.	56,308	55,187	117,213
1929	1,568	76,799	90,300	70,159	74,200	174,385
1927	1,426	n.a.	n.a.	68,142	74,212	163,228
1925	1,500	n.a.	n.a.	73,849	79,777	166,141
1923	1,642	n.a.	n.a.	83,328	91,854	185,580
1921	1,761	n.a.	n.a.	75,710	83,429	147,459
1919	2,834	96,082	111,203	88,251	93,761	201,444
1914	3,293	87,155	50,338	81,910	43,085	82,475
1909	3,546	84,815	43,429	79,955	37,632	78,928
1904	3,145	78,730	36,681	74,958	32,692	63,978
1899	2,878	73,017	28,781	69,914	25,731	51,749

n.a.—Not available.

[1] The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures reported for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $152.4 million. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $120.1 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

TABLE 2.—GENERAL STATISTICS FOR COUNTIES AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

COUNTY AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**847,226**	**1,635**	**100,181**	**$233,994**	**90,378**	**$199,204**	**$432,123**	**1,118**	**74,040**	**$150,588**
COUNTIES										
Androscoggin	76,679	181	16,717	37,774	15,317	32,463	76,536	148	14,291	26,497
Aroostook	94,436	98	1,897	4,875	1,672	4,117	11,730	66	1,722	4,561
Cumberland	146,000	314	13,957	32,711	12,013	26,199	64,204	213	9,209	21,655
Franklin	19,896	50	3,878	8,684	3,600	7,744	14,329	39	2,640	4,640
Hancock	32,422	61	1,892	4,378	1,726	3,802	6,746	25	945	3,731
Kennebec	77,231	112	11,129	27,404	10,175	23,061	51,566	77	8,624	17,567
Knox	27,191	71	2,196	4,463	2,029	3,918	7,745	44	1,293	2,857
Lincoln	16,294	38	478	920	450	857	1,217	18	218	314
Oxford	42,662	127	7,219	18,788	6,469	15,597	26,481	78	5,141	9,181
Penobscot	97,104	161	9,440	23,315	8,583	20,139	47,314	122	5,925	18,363
Piscataquis	18,467	24	1,634	3,408	1,530	3,113	4,844	23	1,164	1,910
Sagadahoc	19,123	28	4,157	10,589	3,727	9,098	8,792	24	3,446	7,139
Somerset	38,245	87	4,513	9,833	4,190	8,652	15,201	59	3,217	5,989
Waldo	21,159	54	1,261	2,151	1,152	1,842	4,269	18	683	879
Washington	37,767	93	3,103	6,094	2,832	5,149	15,788	73	2,512	4,410
York	82,550	136	16,710	38,607	14,913	33,453	75,361	91	13,010	20,895
URBAN PLACES										
Auburn	19,817	74	5,125	10,837	4,636	8,791	17,207	68	5,708	8,102
Augusta	19,360	20	2,948	6,601	2,749	5,889	13,355	20	2,432	3,680
Bangor	29,822	50	1,431	3,089	1,144	2,244	5,598	50	1,127	2,700
Bath	10,235	13	3,610	9,249	3,219	7,915	6,028	13	2,809	(d)
Biddeford	19,790	18	7,608	(d)	6,660	(d)	(d)	16	4,760	(d)
Lewiston	38,598	62	9,286	21,371	8,534	18,774	46,319	57	7,267	15,292
Portland	73,643	159	6,613	15,678	5,416	11,952	32,108	140	3,996	11,204
Sanford [1]	14,886	13	4,759	(d)	4,171	(d)	(d)	n.a.	n.a.	n.a.
South Portland	15,781	22	545	1,037	459	754	1,743	9	314	689
Waterville	16,688	23	2,688	6,488	2,361	5,100	12,681	17	2,057	4,589
Westbrook	11,087	15	3,482	9,192	3,068	7,629	18,865	11	2,499	(d)

[d] Withheld to avoid disclosing figures for individual companies.

n.a.—Not available.

[1] This unincorporated town has *not* been classified as "urban" by the Bureau of the Census.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947									1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**1,635**	**100,181**	**$233,994**	**90,378**	**190,243**	**$199,204**	**$432,123**	**$35,055**	**$12,708**	**$22,347**	**1,118**	**74,040**	**$150,588**
20	Food and kindred products	308	8,656	16,891	7,313	15,009	12,900	42,409	4,260	1,418	2,842	286	5,559	12,424
22	Textile mill products	76	25,810	60,131	23,928	47,964	53,369	116,512	6,909	1,154	5,755	69	22,252	40,132
23	Apparel and related products	48	3,587	6,958	3,316	6,434	6,116	20,613	254	62	192	18	1,090	1,390
24	Lumber and products, except furniture	583	12,252	24,440	11,556	26,575	22,199	36,973	2,607	921	1,686	280	6,957	9,948
25	Furniture and fixtures	22	655	1,367	579	1,247	1,107	2,207	185	102	83	13	411	810
26	Paper and allied products	59	16,544	49,235	14,813	35,601	42,239	103,156	15,127	6,793	8,334	54	11,710	38,521
27	Printing and publishing industries	140	1,867	4,329	1,064	2,177	2,496	8,743	538	329	209	127	1,023	4,766
28	Chemicals and allied products	46	695	1,722	549	1,274	1,241	5,336	490	183	307	33	277	1,194
30	Rubber products	6	195	368	173	361	251	452	41	12	29	3	79	(d)
31	Leather and leather products	95	15,714	32,553	14,584	28,147	26,995	47,979	1,323	543	780	82	16,740	23,094
32	Stone, clay, and glass products	45	591	1,399	523	1,143	1,211	2,623	250	42	208	34	678	1,918
33	Primary metal industries	16	409	981	350	647	744	1,458	60	4	56	11	145	238
34	Fabricated metal products	36	1,891	4,726	1,648	3,426	3,727	7,439	274	38	236	29	938	3,377
35	Machinery (except electrical)	32	6,443	17,531	5,557	11,523	14,837	26,728	2,503	1,028	1,475	21	2,827	6,046
37	Transportation equipment	64	3,492	9,088	3,148	6,180	7,803	5,600	148	43	105	27	2,595	(d)
39	Miscellaneous manufactures	49	1,286	2,145	1,189	2,356	1,853	3,443	84	36	48	27	729	1,301
	All other major industry groups	10	94	130	88	179	116	452	2	----------	2	4	30	48

[d] Withheld to avoid disclosing figures for individual companies.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Total number of establishments	No. of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
No.	Title		1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year) 1939	Number (average for the year) 1947	Wages, total 1947		
	All industries, total [1]	**1,635**	**1,048**	**385**	**202**	**100,181**	**$233,994**	**74,040**	**90,378**	**$199,204**	**$432,123**	**$35,055**
20	Food and kindred products	308	192	100	16	8,656	16,891	5,559	7,313	12,900	42,409	4,260
201	Meat products	28	18	10	----------	434	953	223	345	706	2,005	134
2013	Prepared meats	11	6	5	----------	199	452	136	162	339	975	59
203	Canning, preserving, and freezing	131	59	62	10	5,357	9,133	3,778	4,936	7,937	24,688	1,898
2031	Canned sea food	45	9	32	4	2,646	4,655	2,294	2,462	4,021	15,272	1,004
2033	Canning and preserving, except fish	57	33	21	3	1,837	3,007	1,069	1,666	2,629	7,042	624
2037	Frozen foods	11	2	6	3	678	1,235	(d)	624	1,069	1,944	208
205	Bakery products	36	20	11	5	1,677	3,891	[2] 1,182	1,260	2,579	8,599	686
208	Beverages	59	52	7	----------	483	932	109	311	522	2,066	785
209	Miscellaneous food preparations	31	27	4	----------	293	721	122	232	484	1,999	107
21	Tobacco manufactures	2	2	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	76	11	19	46	25,810	60,131	22,252	23,928	53,369	116,512	6,909
221	Woolen and worsted manufactures	46	5	9	32	11,889	28,647	8,935	10,811	25,025	54,689	3,175
223	Cotton and rayon broad-woven fabrics	10	----------	----------	10	12,378	27,996	11,142	11,675	25,309	55,088	3,220
23	Apparel and related products	48	24	15	9	3,587	6,958	1,090	3,316	6,116	20,613	254
232	Men's and boys' furnishings	17	7	7	3	1,000	1,734	713	927	1,442	3,571	53
2329	Men's and boys' clothing, n.e.c.	7	2	4	1	277	415	214	260	375	950	13
233	Women's and misses' outerwear	3	1	2	----------	103	138	(d)	94	109	147	5
239	Miscellaneous fabricated textiles	19	16	1	2	1,678	3,772	28	1,536	3,350	12,690	194
2392	Housefurnishings, n.e.c	3	1	----------	2	1,550	3,560	----------	1,427	3,191	12,009	129
24	Lumber and products, except furniture	583	434	128	21	12,252	24,440	6,957	11,556	22,199	36,973	2,607
242	Lumber and timber basic products	409	336	70	3	4,993	9,784	2,886	4,807	9,258	15,727	721
243	Millwork and related products	23	16	6	1	503	1,245	286	461	1,039	1,786	166
244	Wooden containers	43	28	10	5	1,639	3,398	820	1,523	3,175	5,516	575
2444	Wooden boxes (except cigar boxes)	31	16	10	5	1,556	3,264	806	1,443	3,047	5,372	563
249	Miscellaneous wood products	108	54	42	12	5,117	10,013	2,965	4,765	8,727	13,944	1,145
25	Furniture and fixtures	22	14	7	1	655	1,367	411	579	1,107	2,207	185
251	Household furniture	14	10	4	----------	260	503	354	235	403	755	68
2511	Wood house furniture, except upholst.	8	5	3	----------	180	337	285	163	283	517	24
26	Paper and allied products	59	8	12	39	16,544	49,235	11,710	14,813	42,239	103,156	15,127
261	Pulp, paper, and paperboard	42	1	6	35	14,387	43,235	10,821	12,895	37,097	88,143	14,706
2611	Pulp mills	21	----------	4	17	4,966	14,704	3,048	4,568	13,117	27,103	(d)
2612	Paper and board mills	21	1	2	18	9,421	28,531	7,773	8,327	23,980	61,040	(d)
2671	Paperboard boxes	9	6	3	----------	125	214	134	107	166	357	15

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	No. of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
27	Printing and publishing industries	140	128	8	4	1,867	$4,329	1,023	1,064	$2,496	$8,743	$538
2711	Newspapers	51	41	6	4	1,364	3,382	568	704	1,843	6,892	518
2751	Commercial printing	60	60	----------	----------	289	521	223	224	399	986	13
28	Chemicals and allied products	46	34	12	----------	695	1,722	277	549	1,241	5,336	490
287	Fertilizers	16	10	6	----------	362	912	163	296	650	2,262	146
288	Vegetable and animal oils	7	4	3	----------	121	311	47	101	260	951	109
29	Petroleum and coal products	3	3	----------	----------	5	(d)	(d)	4	(d)	(d)	(d)
30	Rubber products	6	4	2	----------	195	368	79	173	251	452	41
3099	Rubber industries, n.e.c.	6	4	2	----------	195	368	79	173	251	452	41
31	Leather and leather products	95	15	34	46	15,714	32,553	16,740	14,584	26,995	47,979	1,323
3111	Leather tanning and finishing	7	----------	5	2	672	1,578	581	631	1,316	2,632	201
3141	Footwear, except rubber	67	4	20	43	14,221	29,329	15,215	13,212	24,305	42,476	1,072
32	Stone, clay, and glass products	45	40	4	1	591	1,399	678	523	1,211	2,623	250
3281	Cut-stone and stone products	6	4	2	----------	102	267	181	77	194	398	5
33	Primary metal industries	16	9	6	1	409	981	145	350	744	1,458	60
34	Fabricated metal products	36	21	8	7	1,891	4,726	938	1,648	3,727	7,439	274
342	Cutlery, hand tools, and hardware	14	7	6	1	587	1,444	480	511	1,189	2,355	97
3422	Edge tools	8	4	4	----------	200	452	113	177	378	605	20
35	Machinery (except electrical)	32	20	7	5	6,443	17,531	2,827	5,557	14,837	26,728	2,503
355	Special-industry machinery, n.e.c.	14	7	2	5	6,062	16,577	2,327	5,244	14,125	25,294	1,843
359	Miscellaneous machinery parts	6	4	2	----------	100	220	119	94	193	379	13
36	Electrical machinery	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	64	52	9	3	3,492	9,088	2,595	3,148	7,803	5,600	148
38	Instruments and related products	4	2	2	----------	53	(d)	----------	51	(d)	(d)	(d)
39	Miscellaneous manufactures	49	34	12	3	1,286	2,145	729	1,189	1,853	3,443	84
394	Toys and sporting goods	21	13	7	1	410	712	144	372	585	1,021	34
3949	Sporting and athletic goods	15	9	5	1	327	561	126	297	464	794	26
399	Miscellaneous manufactures	20	17	2	1	574	1,098	501	529	975	2,031	17

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, BY INDUSTRY: 1947

[This State contained no standard metropolitan area with 40,000 or more manufacturing employees in 1947]

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[This State contained no county with 20,000 or more manufacturing employees in 1947]

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	**1,635**	**308**	**2**	**76**	**48**	**583**	**22**	**59**	**140**	**46**	**3**	**6**	**95**	**45**	**16**	**36**	**32**	**1**	**64**	**4**	**49**
1–19 employees	1,048	192	2	11	24	434	14	8	128	34	3	4	15	40	9	21	20	1	52	2	34
20–99 employees	385	100		19	15	128	7	12	8	12		2	34	4	6	8	7		9	2	12
100 employees and over	202	16		46	9	21	1	39	4				46	1	1	7	5		3		3
Androscoggin:																					
1–19 employees	98	20		2	4	22	5	2	12	3		2	6	7	1	4	4				4
20–99 employees	54	12		2	1	10	2	4	1	1		1	13	2	3	1	1				
100 employees and over	29	1		9	2			2	1				13		1						
Aroostook:																					
1–19 employees	82	25		1	1	32			8	12				1			2				
20–99 employees	14	5			1	5				3											
100 employees and over	2					1		1													
Cumberland:																					
1–19 employees	215	35		2	9	60	6	4	39	6	2	1	4	14	2	9	6		6	2	8
20–99 employees	68	21		2	7	13	2	1	3	2			7			2	3		1		4
100 employees and over	31	7		3	2	1	1	4	1				5			5	2				
Franklin:																					
1–19 employees	28	7		1		14			2					1			1				2
20–99 employees	15	2				12		1													
100 employees and over	7			1		3		2					1								
Hancock:																					
1–19 employees	42	11				13			4					3			1		10		
20–99 employees	17	5				6							1	1			1		3		
100 employees and over	2							2													
Kennebec:																					
1–19 employees	70	16	1		1	33		1	9		1			1	2	2	2		1		
20–99 employees	16	2		2		2		1	1				1		1	3	1			1	1
100 employees and over	26	1		8	3	1		7	1				5								
Knox:																					
1–19 employees	49	10		1	2	15			5	2				3		1	1	1	8		
20–99 employees	16	5		3	4					1				1					1		1
100 employees and over	6	1		2	1									1					1		
Lincoln:																					
1–19 employees	31	3			1	14			2								1		10		
20–99 employees	7	2				1													3		1
Oxford:																					
1–19 employees	69	6				44	2		7	1			1	2	1		1				4
20–99 employees	42	4				35							1								2
100 employees and over	16	1		1		4		4					4								2
Penobscot:																					
1–19 employees	96	19	1	1	3	33			13	2		1	2	5	3	2	1		3		7
20–99 employees	36	9		6		9	1	2	1			1	3		2	1					1
100 employees and over	29	1		5		4		10	1				6				1		1		
Piscataquis:																					
1–19 employees	12			1		8			2	1											
20–99 employees	4					4															
100 employees and over	8			4		4															
Sagadahoc:																					
1–19 employees	15					8			2	1				1		1			2		
20–99 employees	5	1				1		1	1	1											
100 employees and over	8	1		1	1			1								1	1		1		1
Somerset:																					
1–19 employees	52	3		1		35			5				1						3		4
20–99 employees	20	1		3		10							3						1		2
100 employees and over	15	1		5		1		4					4								
Waldo:																					
1–19 employees	38	5			1	26		1	4										1		
20–99 employees	15	5			1	4	1			3						1					
100 employees and over	1												1								
Washington:																					
1–19 employees	56	23				14	1		5	5						1			5		2
20–99 employees	30	24				4				1										1	
100 employees and over	7	2		1		1		2								1					
York:																					
1–19 employees	95	9		1	2	63			9	1			1	2		1			3		3
20–99 employees	26	2		1	1	12	1	2	1				5				1				
100 employees and over	15			6		1							7				1				

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month												
				Number of employees												
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$233,994**	**100,181**	**99,250**	**96,888**	**97,785**	**98,501**	**96,155**	**93,960**	**94,800**	**97,266**	**104,630**	**106,485**	**102,488**	**101,030**	**101,017**
20	Food and kindred products	16,891	8,656	8,644	5,638	5,262	6,335	5,488	5,737	6,207	10,966	14,931	15,430	10,525	9,070	8,135
22	Textile mill products	60,131	25,810	25,751	26,885	26,686	25,305	25,133	24,660	24,958	24,487	25,250	25,975	26,101	26,472	27,096
23	Apparel and related products	6,958	3,587	3,538	3,596	3,634	3,635	3,588	3,577	3,550	3,374	3,328	3,409	3,587	3,605	3,581
24	Lumber and products, exc. furniture	24,440	12,252	12,018	12,356	12,740	12,997	12,725	12,516	12,431	11,902	11,602	11,439	11,297	11,146	11,066
25	Furniture and fixtures	1,367	655	623	525	528	519	513	518	529	570	586	702	779	796	914
26	Paper and allied products	49,235	16,544	16,541	16,418	16,460	16,477	16,416	16,530	16,612	14,787	16,822	17,072	17,045	16,852	16,998
27	Printing and publishing industries	4,329	1,867	1,842	1,797	1,828	1,811	1,834	1,832	1,851	1,831	1,836	1,851	1,867	1,877	1,887
28	Chemicals and allied products	1,722	695	689	707	708	725	794	772	672	674	705	712	573	607	621
30	Rubber products	368	195	175	205	218	216	202	172	150	140	145	149	156	166	182
31	Leather and leather products	32,553	15,714	15,648	16,203	16,382	16,658	15,528	13,733	13,671	14,395	15,163	15,777	16,526	16,553	17,190
32	Stone, clay, and glass products	1,399	591	568	474	474	488	525	397	644	702	702	657	635	574	548
33	Primary metal industries	981	409	378	401	398	399	394	366	365	356	355	358	366	386	395
34	Fabricated metal products	4,726	1,891	1,847	1,766	1,730	1,726	1,757	1,696	1,737	1,816	1,997	2,054	1,932	1,964	1,987
35	Machinery (except electrical)	17,531	6,443	6,374	5,813	5,922	6,111	6,130	6,213	6,352	6,457	6,618	6,711	6,923	6,836	6,399
37	Transportation equipment	9,088	3,492	3,413	2,779	3,481	3,757	3,910	4,054	3,930	3,779	3,492	3,038	2,978	2,932	2,828
39	Miscellaneous manufactures	2,145	1,286	1,134	1,239	1,244	1,269	1,156	1,128	1,076	968	1,037	1,088	1,132	1,135	1,128
	All other major industry groups	130	94	67	86	90	73	62	59	65	62	61	63	66	59	62

TABLE 9.—DETAILED STATISTICS FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State
ALL ESTABLISHMENTS	
Number of establishments	1,635
Number of employees (average for the year)	100,181
Salaries and wages, total	$233,994
Value added by manufacture	$432,123
Establishments by employment size group:	
1-4 employees	478
5-9 employees	309
10-19 employees	261
20-49 employees	252
50-99 employees	133
100-249 employees	115
250-499 employees	53
500-999 employees	20
1,000-2,499 employees	12
2,500 employees and over	2
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	1,131
Number of employees (average for the year)	97,607
Salaries and wages, total	$229,887
Value added by manufacture	$424,935

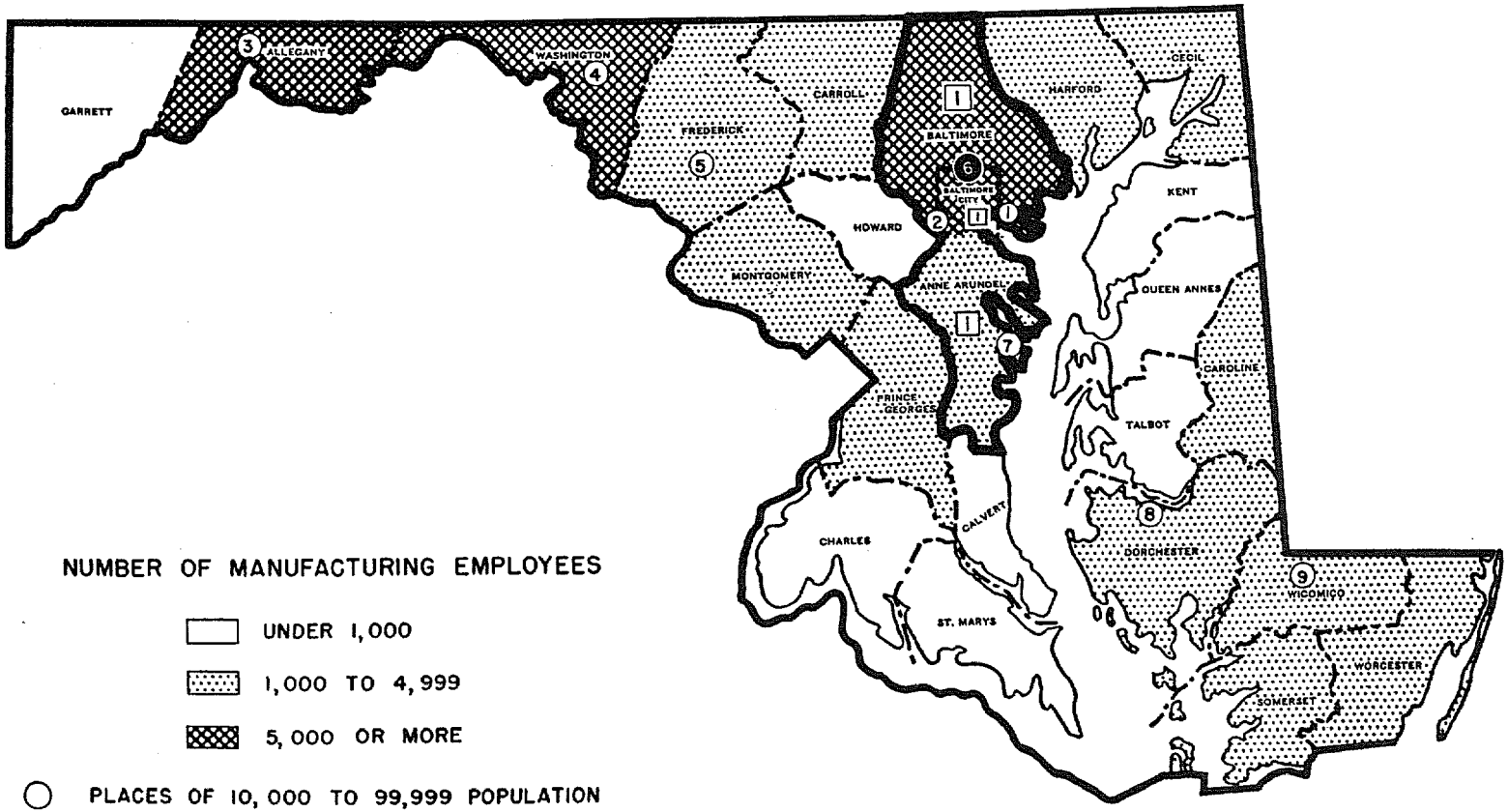
ITEM	Total for the State
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	100,908
Male	68,730
Female	32,178
Production workers	91,187
Male	62,181
Female	29,006
Force-account construction workers	571
Administrative, supervisory, sales, and all other	9,150
Male	5,980
Female	3,170
Expenditures for plant and equipment:	
New plant and equipment	$35,055
Construction and major alteration of fixed plants	12,708
Buildings	7,342
Other construction	5,366
Machinery and equipment	22,347
Production machinery and equipment	19,838
Other machinery and equipment	2,509
Used plant and equipment and land	1,941

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	2,268	610	824	631	98	70	35	28	64
Van	234		79	100	27	18	10		
Stake or platform	1,034	68	471	383	57	37	18		
Panel or light delivery	508	436	72						
All other	492	106	202	148	14	15	7		
Truck tractors	79	6	14	13	17	10	19		
Trailers and semitrailers	106							8	1

MARYLAND

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 1,000
- 1,000 TO 4,999
- 5,000 OR MORE

○ PLACES OF 10,000 TO 99,999 POPULATION

● PLACES OF 100,000 OR MORE POPULATION

STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES

[I] BALTIMORE AREA

KEY TO PLACES

Annapolis	7
Baltimore	6
Cambridge	8
Cumberland	3
District 12	1
District 13	2
Frederick	5
Hagerstown	4
Salisbury	9

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND THE BALTIMORE METROPOLITAN AREA: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
MARYLAND						
1947	2,825	228,553	$612,035	188,639	$458,244	$1,138,407
1939 [3]	2,712	166,091	209,193	140,930	155,938	420,589
1937	2,683	164,368	197,782	145,932	156,995	430,836
1935 [4]	2,679	132,727	140,798	117,245	108,282	296,689
1933	2,476	n.a.	n.a.	100,236	82,563	240,333
1931	2,851	n.a.	n.a.	107,951	107,985	304,189
1929	3,231	150,906	195,013	131,099	148,835	422,097
1927	3,205	n.a.	n.a.	126,700	141,903	379,290
1925	3,184	n.a.	n.a.	125,787	138,591	357,660
1923	3,168	n.a.	n.a.	128,826	136,286	334,411
1921	3,128	n.a.	n.a.	107,085	110,485	250,705
1919	4,725	159,362	188,223	139,241	146,578	322,092
1914	4,779	126,264	71,725	111,490	53,734	138,645
1909	4,837	120,113	59,053	107,921	45,436	116,620
1904	3,852	102,798	44,988	94,174	36,144	93,352
1899	3,886	100,911	39,260	94,170	32,414	81,722
BALTIMORE METROPOLITAN AREA [Consists of Baltimore city, Baltimore and Anne Arundel Counties, Maryland]						
1947	1,785	170,062	$482,643	138,810	$359,340	$899,534
1939 [3]	1,885	126,197	171,515	105,786	126,959	342,465
1929 [5]	2,225	110,313	148,187	94,562	110,692	327,520
1919	2,967	n.a.	n.a.	113,068	123,529	277,655

n.a.—Not available.

[1] The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $422.8 million for the State and $344.2 million for the Baltimore Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $316.5 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] The figures for 1929–47 exclude, whereas those for 1919 include, data for those industries given in footnote [4] above, which were represented in the Baltimore Metropolitan Area. Value added by manufacture for 1929, including data for these industries, was $344.5 million. The comparability of the figures for 1919 with those for later years is also affected by the inclusion of data for the "Automobile repairing" industry in 1919.

TABLE 2.—GENERAL STATISTICS FOR THE BALTIMORE METROPOLITAN AREA, COUNTIES, AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**1,821,244**	**2,825**	**228,553**	**$612,035**	**188,639**	**$458,244**	**$1,138,407**	**2,712**	**140,930**	**$420,589**
STANDARD METROPOLITAN AREA										
Baltimore area	1,083,300	1,785	170,062	482,643	138,810	359,340	899,534	1,885	105,786	342,465
COUNTIES										
Allegany	86,973	60	16,921	45,810	13,690	34,870	86,262	67	11,139	36,015
Anne Arundel	68,375	50	1,339	3,410	1,145	2,528	6,412	20	560	2,499
Baltimore city [1]	859,100	1,638	120,929	335,589	97,656	243,235	667,323	1,773	76,145	247,889
Baltimore County	155,825	97	47,794	143,644	40,009	113,577	225,799	92	29,081	92,077
Calvert	10,484	9	154	343	131	266	455	6	52	95
Caroline	17,549	62	2,176	3,004	2,071	2,688	6,605	50	1,600	1,784
Carroll	39,054	85	4,144	7,759	3,764	6,508	17,601	80	3,040	4,632
Cecil	26,407	36	1,323	2,795	1,212	2,340	5,463	26	892	1,366
Charles	17,612	15	145	214	127	166	400	10	28	83
Dorchester	28,006	68	3,512	6,231	3,168	4,843	13,352	69	2,753	4,701
Frederick	57,312	78	3,962	7,395	3,449	5,900	12,130	68	2,493	5,352
Garrett	21,981	22	409	747	325	583	1,254	13	76	187
Harford	35,060	57	1,673	3,325	1,554	2,566	5,543	56	636	911
Howard	17,175	16	652	1,278	612	1,152	3,088	11	551	1,267
Kent	13,465	18	797	1,107	771	1,020	1,488	14	155	279
Montgomery	83,912	61	1,531	4,135	1,152	2,861	6,581	20	166	544
Prince Georges	89,490	60	1,499	4,036	1,139	2,474	6,260	28	276	973
Queen Annes	14,476	16	222	336	200	280	728	16	138	161
St. Marys	14,626	21	164	256	161	250	366	4	18	23
Somerset	20,965	43	1,130	1,718	1,052	1,487	3,240	42	792	876

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE BALTIMORE METROPOLITAN AREA, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Con.										
Talbot	18,784	42	995	$1,844	925	$1,592	$3,185	36	620	$723
Washington	68,838	112	10,469	26,306	8,316	18,237	46,320	94	5,175	12,176
Wicomico	34,530	96	4,506	7,616	4,042	6,051	13,129	72	3,457	4,948
Worcester	21,245	63	2,107	3,137	1,968	2,710	5,423	45	1,087	1,028
URBAN PLACES										
Annapolis	13,069	7	220	633	163	408	1,100	8	51	262
Baltimore city	859,100	1,638	120,929	335,589	97,656	243,235	667,323	1,773	76,145	247,889
Cambridge	10,102	26	2,181	4,490	1,894	3,258	10,279	29	1,628	3,312
Cumberland	39,483	36	4,884	(d)	3,846	(d)	(d)	40	1,723	(d)
District 12 (in Baltimore County)[2]	15,436	4	290	773	254	672	965	n.a.	n.a.	n.a.
District 13 (in Baltimore County)[2]	13,366	1	(d)	(d)	(d)	(d)	(d)	n.a.	n.a.	n.a.
Frederick	15,802	34	2,816	5,653	2,418	4,412	8,596	34	1,709	3,965
Hagerstown	32,491	77	9,304	23,617	7,328	16,079	40,713	65	4,096	9,638
Salisbury	13,313	45	2,491	4,854	2,132	3,599	8,727	41	2,167	3,736

d Withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
1 Independent city.
2 Classified as urban under special rule in the 1940 Census of Population.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947									1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**2,825**	**228,553**	**$612,035**	**188,639**	**385,559**	**$458,244**	**$1,138,407**	**$123,599**	**$49,106**	**$74,493**	**2,712**	**140,930**	**$420,589**
20	Food and kindred products	705	32,951	75,473	25,842	52,637	50,559	189,486	12,941	3,937	9,004	814	20,052	69,134
21	Tobacco manufactures	5	170	262	151	271	209	401	9	1	8	7	181	255
22	Textile mill products	48	6,168	14,640	5,421	11,171	11,495	24,517	1,720	484	1,236	49	5,999	10,411
23	Apparel and related products	417	23,444	48,795	21,274	40,555	39,016	93,695	1,572	270	1,302	462	23,691	35,844
24	Lumber and products, except furniture	227	4,192	8,415	3,946	8,244	7,095	13,112	1,254	634	620	142	2,882	5,413
25	Furniture and fixtures	92	2,712	6,420	2,330	5,068	4,738	10,070	432	240	192	80	1,971	3,959
26	Paper and allied products	49	5,506	13,920	4,770	10,878	11,091	25,262	4,867	1,123	3,744	45	3,534	8,292
27	Printing and publishing industries	338	9,904	29,602	6,607	13,847	18,299	54,241	2,099	355	1,744	333	5,290	21,987
28	Chemicals and allied products	180	18,133	49,967	14,305	30,100	34,871	142,559	14,885	3,368	11,517	156	12,078	57,447
29	Petroleum and coal products	16	2,409	7,800	1,955	3,491	5,695	18,016	5,757	3,707	2,050	21	1,485	8,739
30	Rubber products	13	5,727	15,938	4,789	9,980	11,877	27,088	1,833	551	1,282	17	1,811	4,659
31	Leather and leather products	28	3,298	6,606	3,020	5,894	5,198	10,422	379	109	270	27	3,349	4,757
32	Stone, clay, and glass products	160	6,810	16,692	5,994	13,007	13,931	33,472	10,054	4,152	5,902	135	4,433	13,473
33	Primary metal industries	48	31,306	95,614	26,521	52,964	76,119	158,832	48,415	23,154	25,261	41	20,055	72,451
34	Fabricated metal products	155	17,467	46,651	14,686	30,870	36,390	83,150	6,506	1,433	5,073	143	9,506	30,634
35	Machinery (except electrical)	130	10,418	30,375	8,123	16,630	20,993	44,269	5,654	3,659	1,995	70	3,383	11,312
36	Electrical machinery	25	9,047	27,480	6,107	12,196	16,568	34,812	1,934	476	1,458	14	2,006	11,762
37	Transportation equipment	62	32,630	102,949	27,515	56,686	83,788	150,823	2,213	1,047	1,166	47	15,006	40,967
38	Instruments and related products	24	978	2,872	657	1,307	1,739	3,680	74	2	72	11	275	921
39	Miscellaneous manufactures	103	5,283	11,564	4,626	9,763	8,573	20,500	1,001	404	597	98	3,883	8,172

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
	All industries, total [1]	**2,825**	**1,628**	**848**	**349**	**228,553**	**$612,035**	**140,930**	**188,639**	**$458,244**	**$1,138,467**	**$123,599**
20	FOOD AND KINDRED PRODUCTS	705	402	237	66	32,951	75,473	20,052	25,842	50,559	189,486	12,941
201	Meat products	73	42	20	11	5,383	13,476	2,448	4,326	9,812	20,574	1,161
2011	Meat packing, wholesale	35	22	10	3	2,760	8,322	1,584	2,071	5,835	11,781	558
2013	Prepared meats	22	14	7	1	971	2,625	519	726	1,842	4,128	444
2015	Poultry dressing, wholesale	16	6	3	7	1,652	2,529	345	1,529	2,135	4,665	159
203	Canning, preserving, and freezing	208	86	105	17	9,801	15,811	7,740	8,772	11,808	30,338	2,850
2031	Canned sea food	7	1	3	3	648	859	37	618	776	1,364	30
2033	Canning and preserving, except fish	164	67	86	11	7,570	12,427	7,043	6,739	9,145	23,828	2,533
2035	Pickles and sauces	24	17	5	2	695	1,452	487	561	923	3,610	155
2037	Frozen foods	8	----------	8	----------	489	508	143	472	477	940	119
204	Grain-mill products	64	52	10	2	1,164	2,814	756	846	1,919	10,681	705
2041	Flour and meal	29	27	1	1	483	1,226	184	360	841	6,996	114
205	Bakery products	97	56	30	11	5,377	13,786	[2] 4,358	3,384	7,127	23,701	2,039
2051	Bread and other bakery products	93	55	30	8	4,398	11,695	3,691	2,600	5,716	19,531	1,825
2052	Biscuit, crackers, and pretzels	4	1	----------	3	979	2,091	667	784	1,411	4,170	214
2071	Confectionery products	30	19	10	1	644	1,047	642	588	813	2,814	208
208	Beverages	96	46	33	17	6,602	18,501	2,217	4,827	12,185	63,098	4,391
2081	Bottled soft drinks	64	42	20	2	1,364	3,426	(d)	636	1,337	6,826	1,424
2082	Malt liquors	8	----------	1	7	2,046	6,983	1,083	1,435	4,292	17,656	2,010
2085	Distilled liquors, except brandy	21	4	9	8	3,113	7,898	734	2,702	6,460	38,447	901
209	Miscellaneous food preparations	108	88	17	3	1,720	4,152	736	1,322	2,827	23,206	720
2099	Food preparations, n.e.c.	28	17	9	2	782	1,779	122	646	1,250	7,468	359
21	TOBACCO MANUFACTURES	5	2	3	----------	170	262	181	151	209	401	9
22	TEXTILE MILL PRODUCTS	48	17	17	14	6,168	14,640	5,999	5,421	11,495	24,517	1,720
223	Cotton and rayon broad-woven fabrics	3	----------	----------	3	1,025	2,299	968	900	1,755	3,184	172
225	Knitting mills	23	9	10	4	1,534	3,740	1,359	1,395	3,153	6,588	464
23	APPAREL AND RELATED PRODUCTS	417	167	188	62	23,444	48,795	23,691	21,274	39,016	93,695	1,572
231	Men's and boys' suits and coats	139	64	51	24	8,658	19,884	9,643	7,835	16,772	37,667	507
2311	Men's and boys' suits and coats	133	61	48	24	8,514	19,521	9,436	7,701	16,518	37,137	506
2312	Suit and coat findings	6	3	3	----------	144	363	207	134	254	530	1
232	Men's and boys' furnishings	150	55	71	24	9,079	16,676	9,505	8,346	13,269	34,248	612
2321	Men's dress shirts and nightwear	37	4	17	16	4,861	8,996	5,278	4,465	6,904	20,594	308
2322	Men's and boys' underwear	7	----------	7	----------	342	566	172	336	548	685	7
2323	Men's and boys' neckwear	14	8	6	----------	332	516	348	272	375	1,019	16
2327	Separate trousers	57	30	23	4	1,640	3,534	2,246	1,518	2,842	6,323	95
2329	Men's and boys' clothing, n.e.c.	23	8	11	4	1,572	2,616	935	1,438	2,186	4,781	145
233	Women's and misses' outerwear	45	6	31	8	2,651	6,512	2,811	2,315	4,524	10,682	118
2333	Dresses, unit price	5	----------	3	2	517	1,337	653	465	877	2,088	12
2334	Dresses, dozen price	13	2	10	1	680	1,172	1,026	600	860	1,804	23
2335	Women's suits and coats	16	2	10	4	983	3,004	829	834	2,133	4,836	72
234	Women's and children's undergarments	5	1	2	2	580	830	(d)	558	738	1,241	7
2351	Millinery	5	1	4	----------	188	341	336	175	294	734	1
236	Children's outerwear	9	2	6	1	377	502	190	347	448	874	34
2369	Children's outerwear, n.e.c.	6	2	4	----------	178	243	(d)	155	204	529	23
238	Miscellaneous apparel and accessories	6	1	5	----------	272	473	107	248	364	686	20
239	Miscellaneous fabricated textiles	54	36	15	3	1,552	3,371	788	1,378	2,457	7,224	272
2393	Textile bags	5	2	3	----------	120	324	163	98	161	615	4
2394	Canvas products	15	11	3	1	422	975	23	390	825	2,357	85
2395	Tucking, pleating, and hemstitching	5	3	2	----------	127	229	(d)	124	222	378	2
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	227	182	38	7	4,192	8,415	2,882	3,946	7,095	13,112	1,254
242	Lumber and timber basic products	159	139	20	----------	1,925	2,787	1,004	1,875	2,637	4,568	318
243	Millwork and related products	29	18	9	2	819	2,144	454	695	1,679	3,624	345
244	Wooden containers	26	17	6	3	991	2,608	1,272	946	1,985	3,269	95
2444	Wooden boxes (except cigar boxes)	11	7	2	2	573	1,180	452	549	1,039	1,766	14
249	Miscellaneous wood products	13	8	3	2	457	876	152	430	794	1,651	496
2499	Wood products, n.e.c.	8	5	2	1	237	417	53	220	367	939	71
25	FURNITURE AND FIXTURES	92	56	32	4	2,712	6,420	1,971	2,330	4,738	10,070	432
251	Household furniture	57	32	22	3	1,911	4,193	1,574	1,666	3,221	6,834	299
2511	Wood house furniture, except upholst.	19	9	8	2	710	1,647	441	600	1,202	2,369	242
2512	Household furniture, upholstered	22	16	5	1	632	1,278	702	589	1,130	2,263	(d)
2514	Metal house furniture, except upholst.	5	2	3	----------	165	413	(d)	136	294	848	(d)
2515	Mattresses and bedsprings	11	5	6	----------	404	855	(d)	341	595	1,354	22
2541	Partitions and fixtures	15	15	----------	----------	109	289	230	95	243	476	3
256	Screens, shades, and blinds	16	7	8	1	623	1,697	167	517	1,137	2,586	120
26	PAPER AND ALLIED PRODUCTS	49	12	21	16	5,506	13,920	3,534	4,770	11,091	25,262	4,867
261	Pulp, paper, and paperboard	10	----------	3	7	2,950	7,840	1,962	2,547	6,496	13,000	(d)
2651	Envelopes	3	----------	3	----------	116	319	165	98	205	722	18
2661	Paper bags	5	2	3	----------	182	478	(d)	150	321	951	165
267	Paperboard containers and boxes	25	6	11	8	2,027	4,943	1,200	1,781	3,823	9,962	518
2699	Converted paper products, n.e.c.	6	4	1	1	231	340	(d)	194	246	627	31
27	PRINTING AND PUBLISHING INDUSTRIES	338	250	70	18	9,904	29,602	5,290	6,607	18,299	54,241	2,099
2711	Newspapers	69	58	7	4	3,480	11,205	1,312	1,745	5,877	21,691	505
2721	Periodicals	18	14	4	----------	211	567	66	38	105	1,181	12
273	Books	7	3	3	1	227	523	421	55	102	1,352	17
2751	Commercial printing	167	127	31	9	4,053	11,715	2,080	3,247	8,258	20,572	902
2761	Lithographing	28	18	7	3	848	2,709	616	666	1,843	4,100	447

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
27	PRINTING AND PUBLISHING INDUSTRIES—Con.											
278	Bookbinding and related industries	14	6	7	1	627	$1,342	555	540	$1,051	$2,068	$148
2781	Bookbinding	7	5	2	----------	147	281	331	123	223	509	55
279	Printing trades service industries	31	21	10	----------	408	1,413	240	303	1,003	2,755	68
2791	Typesetting	14	10	4	----------	172	525	107	130	402	888	35
2793	Photoengraving	8	4	4	----------	142	601	67	106	409	1,366	24
28	CHEMICALS AND ALLIED PRODUCTS	180	100	54	26	18,133	49,967	12,078	14,305	34,871	142,559	14,885
281	Industrial inorganic chemicals	8	3	3	2	717	2,095	509	621	1,573	4,955	518
2834	Pharmaceutical preparations	25	16	7	2	782	1,964	(d)	505	794	7,679	265
285	Paints and allied products	28	13	11	4	1,687	5,180	869	1,230	3,017	12,942	1,327
287	Fertilizers	30	11	10	9	3,441	8,879	1,990	2,727	6,360	21,045	2,339
2871	Fertilizers	7	----------	2	5	2,549	6,945	1,483	2,095	5,233	16,149	2,108
2872	Fertilizers (mixing only)	23	11	8	4	892	1,934	507	632	1,127	4,896	231
288	Vegetable and animal oils	13	7	6	----------	239	721	99	197	494	2,146	183
289	Miscellaneous chemical products	44	33	8	3	993	3,229	272	739	1,745	7,085	340
2896	Compressed and liquefied gases	10	5	4	1	301	905	67	220	675	1,937	108
2899	Chemical products, n.e.c.	21	17	3	1	447	1,777	79	325	708	4,020	180
29	PETROLEUM AND COAL PRODUCTS	16	9	3	4	2,409	7,800	1,485	1,955	5,695	18,016	5,757
30	RUBBER PRODUCTS	13	5	2	6	5,727	15,938	1,811	4,789	11,877	27,088	1,833
31	LEATHER AND LEATHER PRODUCTS	28	9	9	10	3,298	6,606	3,349	3,020	5,198	10,422	379
314	Footwear (except rubber)	14	1	5	8	2,697	5,170	2,706	2,480	4,099	7,643	220
32	STONE, CLAY, AND GLASS PRODUCTS	160	110	37	13	6,810	16,692	4,433	5,994	13,931	33,472	10,054
3221	Glass containers	4	----------	----------	4	1,904	4,648	1,260	1,662	3,683	7,679	379
3231	Products of purchased glass	15	10	5	----------	266	523	174	210	334	1,086	62
325	Structural clay products	16	4	8	4	987	2,349	1,006	863	1,931	4,331	849
3251	Brick and hollow tile	13	4	7	2	612	1,382	607	538	1,119	2,652	(d)
3255	Clay refractories	3	----------	1	2	375	967	(d)	325	812	1,679	(d)
327	Concrete and plaster products	99	85	14	----------	1,036	2,174	581	893	1,718	4,490	6,010
3271	Concrete products	91	80	11	----------	866	1,850	440	757	1,467	3,935	923
3281	Cut-stone and stone products	9	4	5	----------	162	461	170	131	302	634	7
329	Miscellaneous nonmetallic mineral products	11	6	3	2	870	2,461	495	685	1,990	6,235	(d)
33	PRIMARY METAL INDUSTRIES	48	16	17	15	31,306	95,614	20,055	26,521	76,119	158,832	48,415
3321	Gray-iron foundries	16	4	7	5	1,299	3,569	710	1,186	3,183	3,987	310
3361	Nonferrous foundries	10	6	4	----------	283	673	139	261	569	992	26
34	FABRICATED METAL PRODUCTS	155	87	37	31	17,467	46,651	9,506	14,686	36,390	83,150	6,506
3411	Tin cans and other tinware	12	1	2	9	4,948	12,121	3,739	4,442	10,520	24,187	966
342	Cutlery, hand tools, and hardware	10	8	1	1	266	575	25	232	463	1,099	61
343	Heating and plumbing equipment	12	6	1	5	3,011	8,701	1,128	2,499	6,770	13,067	1,559
344	Structural metal products	57	32	19	6	3,029	9,738	961	2,299	5,982	16,314	962
3441	Structural and ornamental products	20	14	4	2	584	2,102	436	417	1,166	3,487	208
3444	Sheet-metal work	27	15	10	2	841	2,595	383	659	1,605	4,155	138
346	Metal stamping and coating	31	19	7	5	4,355	10,676	2,882	3,839	9,685	19,161	2,487
3468	Plating and polishing	8	7	1	----------	102	258	36	84	217	388	9
348	Fabricated wire products	17	10	4	3	1,260	3,358	624	858	1,863	7,158	221
349	Miscellaneous fabricated metal products	13	8	3	2	582	1,447	129	504	1,081	2,107	235
3495	Screw-machine products	6	5	1	----------	121	322	(d)	105	253	607	39
35	MACHINERY (EXCEPT ELECTRICAL)	130	83	34	13	10,418	30,375	3,383	8,123	20,993	44,269	5,654
355	Special-industry machinery, n.e.c.	38	24	11	3	2,582	8,275	1,243	2,105	6,294	11,841	(d)
3551	Food-products machinery	15	7	6	2	2,087	6,725	731	1,717	5,242	9,380	(d)
3559	Special-industry machinery, n.e.c.	13	10	3	----------	199	620	428	156	446	1,031	43
356	General industrial machinery	18	10	4	4	1,563	4,706	653	1,113	2,757	7,548	729
3561	Pumps and compressors	6	3	2	1	283	730	----------	185	397	1,195	168
358	Service and household machines	11	5	3	3	1,231	3,131	144	1,089	2,525	4,893	328
359	Miscellaneous machinery parts	35	22	12	1	2,280	6,463	699	1,770	4,640	7,782	437
3599	Machine shops	26	17	8	1	2,107	5,924	656	1,631	4,242	6,793	376
36	ELECTRICAL MACHINERY	25	11	3	11	9,047	27,480	2,006	6,107	16,568	34,812	1,934
366	Communication equipment	8	2	2	4	7,022	21,506	(d)	4,652	12,615	27,252	1,516
37	TRANSPORTATION EQUIPMENT	62	29	17	16	32,630	102,949	15,066	27,515	83,788	150,823	2,213
3713	Truck and bus bodies	9	5	4	----------	201	499	(d)	176	390	670	11
373	Ships and boats	40	22	9	9	12,212	40,484	5,440	10,694	34,446	53,234	526
38	INSTRUMENTS AND RELATED PRODUCTS	24	19	2	3	978	2,872	275	657	1,739	3,680	74
3811	Scientific instruments	7	3	1	3	846	2,550	(d)	552	1,518	3,138	70
39	MISCELLANEOUS MANUFACTURES	103	62	27	14	5,283	11,564	3,883	4,626	8,573	20,500	1,001
391	Jewelry and silverware	7	3	2	2	354	950	274	293	701	1,198	116
394	Toys and sporting goods	10	6	4	----------	341	683	144	298	501	1,019	9
3971	Plastics products, n.e.c.	10	4	3	3	925	2,403	(d)	801	1,683	4,347	502
399	Miscellaneous manufactures	63	41	16	6	2,589	5,502	2,403	2,232	3,917	10,764	302
3981	Brooms and brushes	17	10	4	3	1,276	3,123	1,102	1,047	2,089	6,256	217
3988	Morticians' goods	5	2	2	1	173	446	97	136	322	759	9
3993	Signs and advertising displays	19	18	1	----------	146	343	402	122	271	600	20
3995	Umbrellas, parasols, and canes	6	2	3	1	410	611	321	396	523	1,106	1
3999	Miscellaneous products, n.e.c.	5	2	3	----------	179	329	73	160	234	556	14

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

TABLE 5.—GENERAL STATISTICS FOR THE BALTIMORE METROPOLITAN AREA,[1] BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [2]	**1,785**	**170,062**	**$482,643**	**138,810**	**$359,340**	**$899,534**	**$101,913**
20	FOOD AND KINDRED PRODUCTS	332	21,169	55,512	15,573	35,423	144,210	7,974
201	Meat products	48	3,537	10,500	2,658	7,411	15,028	950
2011	Meat packing, wholesale	23	2,506	7,759	1,883	5,493	10,739	500
203	Canning, preserving, and freezing	38	2,875	5,837	2,345	3,613	9,509	692
2033	Canning and preserving, except fish	19	2,129	4,349	1,741	2,685	5,883	533
2035	Pickles and sauces	16	628	1,347	498	828	3,310	147
204	Grain-mill products	12	573	1,492	421	1,042	7,682	68
205	Bakery products	67	4,645	12,130	2,878	6,150	20,778	1,283
2051	Bread and other bakery products	63	3,666	10,039	2,094	4,739	16,608	1,069
2052	Biscuit, crackers, and pretzels	4	979	2,091	784	1,411	4,170	214
208	Beverages	59	5,636	15,994	4,133	10,569	54,253	3,519
2081	Bottled soft drinks	32	940	2,368	411	875	4,387	798
209	Miscellaneous food preparations	63	1,356	3,431	1,068	2,360	21,894	599
2099	Food preparations, n.e.c.	23	706	1,658	588	1,180	7,236	345
21	TOBACCO MANUFACTURES	2	(d)	(d)	(d)	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	19	2,878	6,676	2,579	5,272	12,483	1,200
23	APPAREL AND RELATED PRODUCTS	341	16,583	38,328	14,653	29,366	76,891	1,170
231	Men's and boys' suits and coats	129	6,798	16,768	6,039	13,824	32,922	318
2311	Men's and boys' suits and coats	123	6,654	16,405	5,905	13,570	32,392	317
2312	Suit and coat findings	6	144	363	134	254	530	1
232	Men's and boys' furnishings	105	5,471	11,349	4,861	8,430	26,012	471
2321	Men's dress shirts and nightwear	15	2,618	5,514	2,312	3,827	15,209	221
2323	Men's and boys' neckwear	14	332	516	272	375	1,019	16
2327	Separate trousers	51	1,282	3,089	1,163	2,401	5,623	88
233	Women's and misses' outerwear	37	2,212	5,858	1,893	3,919	9,854	118
2333	Dresses, unit price	5	517	1,337	465	877	2,088	12
2351	Millinery	5	188	341	175	294	734	(d)
2393	Textile bags	5	120	324	98	161	615	4
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	53	1,568	4,312	1,438	3,317	5,962	660
2421	Sawmills and planing mills, general	14	124	253	117	183	445	10
2431	Mill-work plants	16	458	1,175	401	976	1,661	80
244	Wooden containers	14	682	2,128	649	1,523	2,449	69
249	Miscellaneous wood products	6	169	413	158	362	898	473
25	FURNITURE AND FIXTURES	77	2,015	4,720	1,740	3,426	7,510	173
251	Household furniture	46	1,308	2,772	1,155	2,150	4,668	59
2511	Wood house furniture, except upholst.	13	222	439	198	328	650	7
2514	Metal house furniture, except upholst.	5	165	413	136	294	848	15
2541	Partitions and fixtures	15	109	289	95	243	476	3
256	Screens, shades, and blinds	12	529	1,418	438	896	2,192	101
26	PAPER AND ALLIED PRODUCTS	39	2,847	7,081	2,481	5,495	14,723	866
2612	Paper and board mills	4	374	1,117	333	1,000	2,625	139
2651	Envelopes	3	116	319	98	205	722	18
2661	Paper bags	5	182	478	150	321	951	165
267	Paperboard containers and boxes	21	1,944	4,827	1,706	3,723	9,798	513
2699	Converted paper products, n.e.c.	6	231	340	194	246	627	31
27	PRINTING AND PUBLISHING INDUSTRIES	245	8,707	26,829	5,902	16,628	49,000	1,807
2751	Commercial printing	139	3,780	11,162	3,018	7,787	19,500	891
278	Bookbinding and related industries	14	627	1,342	540	1,051	2,068	148
2781	Bookbinding	7	147	281	123	223	509	55
2791	Typesetting	14	172	525	130	402	888	35
2793	Photoengraving	8	142	601	106	409	1,366	24
28	CHEMICALS AND ALLIED PRODUCTS	136	9,477	27,292	7,347	17,883	92,644	9,641
2842	Cleaning and polishing preparations	17	338	775	240	417	1,950	48
287	Fertilizers	14	3,127	8,309	2,484	5,985	19,865	2,092
288	Vegetable and animal oils	7	159	495	128	321	1,493	152
289	Miscellaneous chemical products	31	794	2,630	603	1,315	5,853	240
2899	Chemical products, n.e.c.	14	397	1,666	292	645	3,704	178
29	PETROLEUM AND COAL PRODUCTS	15	2,407	(d)	1,953	(d)	(d)	(d)
30	RUBBER PRODUCTS	7	1,260	(d)	1,080	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	19	1,282	2,934	1,163	2,189	4,894	155
314	Footwear (except rubber)	7	914	2,067	832	1,549	3,077	59
32	STONE, CLAY, AND GLASS PRODUCTS	66	4,666	11,702	4,115	9,843	23,169	8,452
3221	Glass containers	4	1,904	4,648	1,662	3,683	7,679	379
327	Concrete and plaster products	31	360	820	326	682	2,066	(d)
33	PRIMARY METAL INDUSTRIES	38	30,336	93,114	25,639	73,988	155,559	48,276
3361	Nonferrous foundries	10	283	673	261	569	992	26
34	FABRICATED METAL PRODUCTS	131	16,294	43,806	13,688	34,300	78,225	6,181
344	Structural metal products	47	2,828	9,245	2,135	5,645	15,541	941
3468	Plating and polishing	8	102	258	84	217	388	9
3489	Wirework, n.e.c.	13	946	2,536	608	1,348	5,408	148
35	MACHINERY (EXCEPT ELECTRICAL)	106	8,254	24,556	6,349	16,949	34,499	4,722
3543	Cutting tools, jigs, fixtures, etc.	14	145	374	133	349	622	67
3559	Special-industry machinery, n.e.c.	13	199	620	156	446	1,031	43
3585	Refrigeration machinery	4	174	649	132	416	527	10
359	Miscellaneous machinery parts	30	2,241	6,360	1,734	4,556	7,575	413
3599	Machine shops	22	2,074	5,850	1,601	4,177	6,664	375
36	ELECTRICAL MACHINERY	18	8,546	26,328	5,743	15,715	33,542	1,896
3616	Electrical control apparatus	3	531	1,526	397	983	2,199	28
366	Communication equipment	4	6,747	20,814	4,451	12,132	26,634	1,492
37	TRANSPORTATION EQUIPMENT	45	27,925	(d)	24,193	(d)	(d)	(d)
38	INSTRUMENTS AND RELATED PRODUCTS	18	(d)	(d)	(d)	(d)	(d)	(d)

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR THE BALTIMORE METROPOLITAN AREA,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
39	MISCELLANEOUS MANUFACTURES	78	3,131	$7,567	2,665	$5,345	$13,380	$811
391	Jewelry and silverware	7	354	950	293	701	1,198	116
399	Miscellaneous manufactures	50	1,720	3,870	1,475	2,735	7,418	195
3988	Morticians' goods	5	173	446	136	322	759	9
3999	Miscellaneous products, n.e.c.	5	179	329	160	234	556	14

[d] Withheld to avoid disclosing figures for individual companies.
[1] The Baltimore Metropolitan Area consists of Baltimore city, Baltimore and Anne Arundel Counties, Maryland.
[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATITICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		BALTIMORE CITY						
	All industries, total [1]	1,638	120,929	$335,589	97,656	$243,235	$667,323	$52,741
20	Food and kindred products	311	19,001	(d)	13,721	(d)	(d)	(d)
209	Miscellaneous food preparations	60	1,336	3,389	1,052	2,327	21,802	593
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	17	2,459	(d)	2,191	(d)	(d)	(d)
23	Apparel and related products	337	16,500	38,203	14,577	29,261	76,459	1,168
231	Men's and boys' suits and coats	129	6,798	16,768	6,039	13,824	32,922	318
233	Women's and misses' outerwear	37	2,212	5,858	1,893	3,919	9,854	118
235	Millinery	5	188	341	175	294	734	1
24	Lumber and products, except furniture	34	1,119	3,271	1,020	2,392	4,140	575
243	Millwork and related products	14	325	870	275	698	1,183	70
25	Furniture and fixtures	73	1,975	4,657	1,702	3,368	7,449	172
256	Screens, shades, and blinds	12	529	1,418	438	896	2,192	101
26	Paper and allied products	35	2,274	(d)	1,989	(d)	(d)	(d)
265	Envelopes	3	116	319	98	205	722	18
266	Paper bags	5	182	478	150	321	951	165
269	Pulp goods and miscellaneous paper products	6	231	340	194	246	627	31
27	Printing and publishing industries	236	8,588	26,544	5,831	16,475	48,549	1,769
275	Commercial printing	134	3,745	11,104	2,989	7,740	19,412	885
278	Bookbinding and related industries	14	627	1,342	540	1,051	2,068	148
28	Chemicals and allied products	126	9,280	26,825	7,193	17,585	91,448	9,223
289	Miscellaneous chemical products	27	763	2,570	573	1,257	5,623	238
29	Petroleum and coal products	12	1,713	(d)	1,310	(d)	(d)	(d)
30	Rubber products	7	1,260	(d)	1,080	(d)	(d)	(d)
31	Leather and leather products	17	(d)	(d)	(d)	(d)	(d)	(d)
314	Footwear (except rubber)	7	914	2,067	832	1,549	3,077	59
32	Stone, clay, and glass products	48	4,459	11,199	3,925	9,411	22,230	(d)
322	Pressed and blown glassware	4	1,904	4,648	1,662	3,683	7,679	379
327	Concrete and plaster products	16	243	614	219	510	1,711	(d)
33	Primary metal industries	33	9,912	(d)	7,800	(d)	(d)	(d)
34	Fabricated metal products	125	15,472	(d)	12,985	(d)	(d)	(d)
35	Machinery (except electrical)	98	5,403	(d)	4,214	(d)	(d)	(d)
354	Metalworking machinery	14	202	660	166	551	1,001	65
36	Electrical machinery	15	4,625	(d)	3,328	(d)	(d)	(d)
37	Transportation equipment	25	12,926	42,318	11,354	36,231	75,170	1,040
38	Instruments and related products	15	119	274	104	232	414	37
39	Miscellaneous manufactures	72	2,653	(d)	2,264	(d)	(d)	(d)
391	Jewelry and silverware	7	354	950	293	701	1,198	116
		BALTIMORE COUNTY						
	All industries, total [1]	97	47,794	$143,644	40,009	$113,577	$225,799	$48,131
20	Food and kindred products	17	2,131	(d)	1,834	(d)	(d)	(d)
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	3	79	(d)	72	(d)	(d)	(d)
24	Lumber and products, except furniture	9	373	942	344	828	1,669	73
25	Furniture and fixtures	4	40	(d)	38	(d)	(d)	(d)
26	Paper and allied products	4	573	(d)	492	(d)	(d)	(d)
27	Printing and publishing industries	5	61	125	39	75	193	30
28	Chemicals and allied products	3	27	(d)	24	(d)	(d)	(d)
29	Petroleum and coal products	3	694	(d)	643	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	10	150	408	136	344	780	88
33	Primary metal industries	5	20,424	(d)	17,839	(d)	(d)	(d)
34	Fabricated metal products	6	822	(d)	703	(d)	(d)	(d)
35	Machinery (except electrical)	8	2,851	(d)	2,135	(d)	(d)	(d)
36	Electrical machinery	3	3,921	(d)	2,415	(d)	(d)	(d)
37	Transportation equipment	7	14,663	(d)	12,531	(d)	(d)	(d)
38	Instruments and related products	3	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	5	(d)	(d)	(d)	(d)	(d)	(d)

[d] Withheld to avoid disclosing figures for individual companies.
[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	2,825	705	5	48	417	227	92	49	338	180	16	13	28	160	48	155	130	25	62	24	103
1-19 employees	1,628	402	2	17	167	182	56	12	250	100	9	5	9	110	16	87	83	11	29	19	62
20-99 employees	848	237	3	17	188	38	32	21	70	54	3	2	9	37	17	37	34	3	17	2	27
100 employees and over	349	66	------	14	62	7	4	16	18	26	4	6	10	13	15	31	13	11	16	3	14
Allegany:																					
1-19 employees	31	7	------	1	------	9	1	------	4	1	------	------	------	6	------	------	2	------	------	------	------
20-99 employees	16	9	------	1	------	------	------	------	------	------	------	------	------	4	2	------	------	------	------	------	------
100 employees and over	13	2	------	2	2	------	------	2	1	1	------	1	------	1	1	------	------	------	------	------	------
Anne Arundel:																					
1-19 employees	40	3	------	------	1	10	------	------	3	5	------	------	------	8	------	------	------	------	10	------	------
20-99 employees	5	1	------	1	------	------	------	------	1	1	------	------	------	------	------	------	------	------	1	------	------
100 employees and over	5	------	------	------	------	------	------	------	------	1	------	------	1	------	------	------	------	------	2	------	1
Baltimore city:																					
1-19 employees	898	172	1	9	154	18	46	10	162	63	6	4	8	27	10	69	63	8	8	14	46
20-99 employees	522	97	1	4	141	14	25	16	58	41	3	2	5	13	13	30	29	1	10	1	18
100 employees and over	218	42	------	4	42	2	2	9	16	23	3	1	4	8	10	26	6	6	7	------	7
Baltimore County:																					
1-19 employees	52	8	------	------	2	5	4	------	4	3	2	------	------	7	2	4	4	------	2	1	4
20-99 employees	22	6	------	------	1	2	------	2	1	------	------	------	1	3	------	1	1	------	2	1	1
100 employees and over	23	3	------	1	------	2	------	2	------	------	1	------	------	------	3	1	3	3	3	1	------
Calvert:																					
1-19 employees	8	2	------	------	------	2	------	------	3	------	------	------	------	1	------	------	------	------	------	------	------
100 employees and over	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1	------	------
Caroline:																					
1-19 employees	36	22	------	------	------	4	------	------	4	2	------	------	------	1	------	------	------	------	2	------	1
20-99 employees	19	13	------	------	3	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------	2
100 employees and over	7	4	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2
Carroll:																					
1-19 employees	48	20	1	------	1	7	2	------	8	6	------	------	------	2	------	1	------	------	------	------	------
20-99 employees	27	15	------	------	5	1	1	1	------	------	------	------	------	1	------	------	2	------	1	------	------
100 employees and over	10	1	------	1	4	------	------	1	------	------	------	1	1	1	------	------	------	------	------	------	------
Cecil:																					
1-19 employees	26	6	------	------	------	6	------	1	3	2	------	------	------	2	1	1	------	1	------	------	3
20-99 employees	5	1	------	1	1	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1
100 employees and over	5	------	------	1	------	------	------	2	------	------	------	1	------	------	------	------	------	------	------	------	1
Charles:																					
1-19 employees	13	1	------	------	------	8	------	------	2	1	------	------	------	1	------	------	------	------	------	------	------
20-99 employees	2	1	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Dorchester:																					
1-19 employees	33	14	------	------	2	9	------	------	3	1	------	------	------	3	------	------	------	------	1	------	------
20-99 employees	28	20	------	------	3	2	------	------	------	1	------	------	------	------	------	1	------	------	1	------	------
100 employees and over	7	2	------	------	3	------	------	------	------	------	------	------	------	------	------	2	------	------	------	------	------
Frederick:																					
1-19 employees	42	24	------	------	------	5	------	1	2	1	------	------	------	6	------	1	1	------	------	------	1
20-99 employees	28	12	1	------	5	------	------	------	2	1	------	------	1	5	------	------	------	------	------	------	1
100 employees and over	8	------	------	1	2	------	------	------	------	------	------	------	1	------	1	1	------	1	------	------	1
Garrett:																					
1-19 employees	18	5	------	------	------	10	------	------	1	------	------	------	------	2	------	------	------	------	------	------	------
20-99 employees	3	2	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	1	------	------	------	------	------	------	------	------	------	------	------	------	1	------	------	------	------	------	------	------
Harford:																					
1-19 employees	39	17	------	------	------	6	------	------	6	1	------	------	------	5	1	------	3	------	------	------	------
20-99 employees	16	9	------	------	1	1	------	------	------	1	------	------	------	2	------	------	------	------	------	------	------
100 employees and over	2	------	------	------	1	------	------	------	------	------	------	1	------	------	------	------	------	------	------	------	2
Howard:																					
1-19 employees	9	3	------	------	------	1	------	------	------	1	------	------	------	2	------	2	------	------	------	------	------
20-99 employees	5	1	------	------	1	1	------	------	1	------	------	------	------	------	------	1	------	------	------	------	------
100 employees and over	2	------	------	1	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Kent:																					
1-19 employees	9	6	------	------	------	1	------	------	1	------	------	------	------	1	------	------	------	------	------	------	------
20-99 employees	7	3	------	1	2	------	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	2	2	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Montgomery:																					
1-19 employees	44	11	------	------	------	5	2	------	9	3	------	1	------	4	------	2	3	1	------	2	1
20-99 employees	14	4	------	------	------	------	3	------	4	------	------	------	------	1	------	------	1	1	------	------	------
100 employees and over	3	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1	1	1	------
Prince Georges:																					
1-19 employees	43	4	------	------	------	5	------	------	11	1	------	------	1	15	------	------	4	------	------	------	2
20-99 employees	13	1	1	------	------	1	------	------	------	3	------	------	------	5	------	1	------	1	------	------	------
100 employees and over	4	------	------	------	------	------	------	------	------	1	------	------	------	1	------	------	------	------	1	1	------
Queen Annes:																					
1-19 employees	10	5	------	------	------	1	------	------	1	1	------	------	------	2	------	------	------	------	------	------	------
20-99 employees	6	3	------	------	2	------	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------
St. Marys:																					
1-19 employees	19	4	------	------	------	10	------	------	3	------	------	------	------	------	------	1	------	------	1	------	------
20-99 employees	2	------	------	------	------	2	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Somerset:																					
1-19 employees	29	8	------	------	------	13	------	------	2	1	------	------	------	2	------	1	------	------	2	------	------
20-99 employees	12	8	------	------	2	2	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	2	------	------	------	1	------	------	------	------	------	------	------	------	------	------	1	------	------	------	------	------

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—*Continued*

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Talbot:																					
1–19 employees	29	12	------	2	------	7	------	------	2	------	------	------	------	3	1	1	------	------	1	------	------
20–99 employees	12	6	------	1	4	------	------	------	------	------	------	------	------	------	------	------	------	------	1	------	------
100 employees and over	1	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Washington:																					
1–19 employees	63	22	------	4	4	4	1	------	6	4	1	------	------	4	------	4	3	1	------	2	3
20–99 employees	30	6	------	6	1	1	2	1	1	2	------	------	2	2	2	3	------	------	------	------	1
100 employees and over	19	------	------	3	1	1	2	------	1	------	------	1	3	1	------	------	3	------	1	------	2
Wicomico:																					
1–19 employees	48	11	------	------	3	17	------	------	6	2	------	------	------	5	1	------	------	------	2	------	1
20–99 employees	35	11	------	1	12	3	1	1	1	1	------	------	------	1	------	------	1	------	1	------	1
100 employees and over	13	6	------	------	4	2	------	------	------	------	------	------	------	------	------	------	1	------	------	------	------
Worcester:																					
1–19 employees	41	15	------	1	------	19	------	------	4	1	------	------	------	1	------	------	------	------	------	------	------
20–99 employees	19	8	------	1	4	5	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	3	3	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month											
				Number of employees											
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$612,035**	**228,553**	**226,249**	**232,065**	**230,630**	**229,515**	**225,777**	**220,031**	**216,436**	**215,027**	**231,961**	**234,163**	**226,224**	**226,754**	**226,406**
20	Food and kindred products	75,473	32,951	32,408	27,527	26,973	27,259	28,148	28,711	30,405	33,683	47,899	45,052	33,725	30,621	28,887
21	Tobacco manufactures	262	170	167	171	126	135	149	181	179	196	213	209	149	146	144
22	Textile mill products	14,640	6,168	6,165	6,929	7,006	6,954	6,797	6,289	4,615	5,457	5,606	5,614	5,860	6,350	6,508
23	Apparel and related products	48,795	23,444	22,970	22,306	22,752	22,950	22,725	22,572	22,626	22,401	22,438	23,121	23,916	23,877	23,952
24	Lumber and products, exc. furniture	8,415	4,192	4,057	4,056	4,103	4,114	4,163	4,175	4,031	3,847	3,823	3,920	4,181	4,077	4,197
25	Furniture and fixtures	6,420	2,712	2,623	2,603	2,521	2,479	2,446	2,497	2,579	2,575	2,627	2,675	2,779	2,885	2,806
26	Paper and allied products	13,920	5,506	5,506	5,477	5,438	5,460	5,467	5,450	5,470	5,567	5,542	5,489	5,454	5,561	5,692
27	Printing and publishing industries	29,602	9,904	9,830	9,519	9,648	9,673	9,740	9,792	9,818	9,854	9,909	9,941	9,940	10,024	10,104
28	Chemicals and allied products	49,967	18,133	18,018	18,363	18,804	19,027	19,037	19,347	11,071	18,489	18,418	18,527	18,550	18,295	18,291
29	Petroleum and coal products	7,800	2,409	2,407	2,241	2,273	2,307	2,319	2,382	2,440	2,466	2,485	2,504	2,495	2,483	2,487
30	Rubber products	15,938	5,727	5,716	5,985	5,946	5,790	5,707	5,449	5,314	5,419	5,547	5,617	5,833	5,944	6,045
31	Leather and leather products	6,606	3,298	3,279	3,067	3,193	3,230	3,274	3,238	3,140	3,279	3,310	3,325	3,441	3,413	3,441
32	Stone, clay, and glass products	16,692	6,810	6,702	6,534	6,619	6,658	6,755	6,873	6,781	6,680	6,728	6,669	6,712	6,702	6,718
33	Primary metal industries	95,614	31,306	31,264	30,884	30,907	31,251	29,579	29,467	32,025	31,594	32,208	31,919	31,867	31,561	31,906
34	Fabricated metal products	46,651	17,467	17,282	16,562	16,685	16,539	16,506	16,783	16,974	16,946	18,093	18,153	17,839	18,230	18,070
35	Machinery (except electrical)	30,375	10,418	10,210	10,871	10,709	10,520	10,515	10,427	10,066	9,840	9,716	9,855	10,053	9,978	9,974
36	Electrical machinery	27,480	9,047	9,034	10,459	10,427	10,166	7,203	6,676	9,480	9,344	9,279	8,713	8,908	9,014	8,737
37	Transportation equipment	102,949	32,630	32,552	42,262	40,306	38,852	39,163	33,667	33,487	21,694	22,288	26,837	28,413	31,434	32,222
38	Instruments and related products	2,872	978	927	973	860	866	891	930	968	961	959	963	905	909	933
39	Miscellaneous manufactures	11,564	5,283	5,132	5,276	5,334	5,276	5,193	5,125	4,967	4,735	4,873	5,060	5,204	5,250	5,292

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE BALTIMORE METROPOLITAN AREA, AND PRINCIPAL INDUSTRIAL COUNTIES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

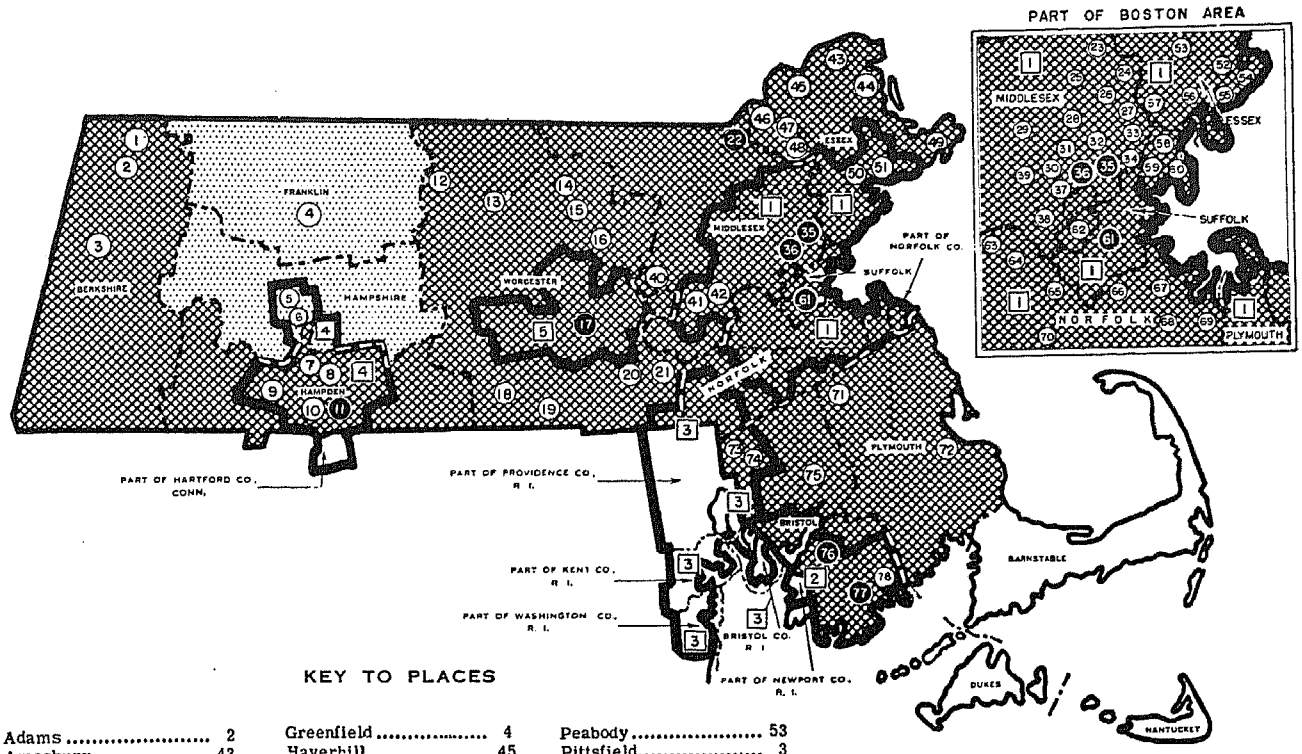
ITEM	Total for the State	Baltimore Metropolitan Area	Principal industrial counties	
			Baltimore city	Baltimore County
ALL ESTABLISHMENTS				
Number of establishments	2,825	1,785	1,638	97
Number of employees (average for the year)	228,553	170,062	120,929	47,794
Salaries and wages, total	$612,035	$482,643	$335,589	$143,644
Value added by manufacture	$1,138,407	$899,534	$667,323	$225,799
Establishments by employment size groups:				
1-4 employees	657	408	365	19
5-9 employees	456	288	263	16
10-19 employees	515	294	270	17
20-49 employees	549	361	339	17
50-99 employees	299	188	183	5
100-249 employees	207	135	124	7
250-499 employees	71	53	47	5
500-999 employees	36	27	24	3
1,000-2,499 employees	25	24	18	6
2,500 employees and over	10	7	5	2
ESTABLISHMENTS REPORTING DETAILED STATISTICS				
Number of establishments	2,153	1,384	1,280	76
Number of employees (average for the year)	224,780	167,839	118,925	47,673
Salaries and wages, total	$605,635	$478,332	$331,590	$143,475
Value added by manufacture	$1,127,314	$891,399	$659,714	$225,545
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued				
Number of employees for pay period ended nearest Oct. 15:				
All employees	224,631	167,502	120,177	46,017
Male	165,222	127,355	86,142	40,197
Female	59,409	40,147	34,035	5,820
Production workers	185,022	136,481	96,941	38,459
Male	136,108	104,535	69,291	34,377
Female	48,914	31,946	27,650	4,082
Force-account construction workers	838	250	250	----------
Administrative, supervisory, sales, and all other	38,771	30,771	22,986	7,558
Male	28,279	22,572	16,603	5,820
Female	10,492	8,199	6,383	1,738
Expenditures for plant and equipment:				
New plant and equipment	$123,599	$101,913	$52,741	$48,131
Construction and major alteration of fixed plants	49,106	43,665	19,530	23,567
Buildings	27,560	23,606	14,966	8,141
Other construction	21,546	20,059	4,564	15,426
Machinery and equipment	74,493	58,248	33,211	24,564
Production machinery and equipment	67,472	52,719	28,252	24,065
Other machinery and equipment	7,021	5,529	4,959	499
Used plant and equipment and land	13,142	11,557	4,190	7,163

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	5,551	1,890	2,545	861	131	83	41	35	369
Van	687	----------	330	292	38	21	6	----------	----------
Stake or platform	1,371	118	890	273	46	28	16	----------	----------
Panel or light delivery	2,015	1,535	480	----------	----------	----------	----------	----------	----------
All other	1,478	237	845	296	47	34	19	----------	----------
Truck tractors	297	5	60	114	57	25	36	----------	----------
Trailers and semitrailers	423	----------	----------	----------	----------	----------	----------	28	38

MASSACHUSETTS

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Adams	2
Amesbury	43
Andover	48
Arlington	31
Athol	12
Attleboro	74
Belmont	30
Beverly	51
Boston	61
Braintree	68
Brockton	71
Brookline	62
Cambridge	36
Chelsea	59
Chicopee	8
Clinton	16
Danvers	50
Dedham	65
Easthampton	6
Everett	34
Fairhaven	78
Fall River	76
Fitchburg	14
Framingham	41
Gardner	13
Gloucester	49
Greenfield	4
Haverhill	45
Holyoke	7
Lawrence	47
Leominster	15
Lexington	29
Lowell	22
Lynn	56
Malden	33
Marblehead	54
Marlborough	40
Medford	32
Melrose	27
Methuen	46
Milford	21
Milton	66
Natick	42
Needham	64
New Bedford	77
Newburyport	44
Newton	38
North Adams	1
Northampton	5
North Attleborough	73
Northbridge	20
Norwood	70
Peabody	53
Pittsfield	3
Plymouth	72
Quincy	67
Reading	23
Revere	58
Salem	52
Saugus	57
Somerville	35
Southbridge	18
Springfield	11
Stoneham	26
Swampscott	55
Taunton	75
Wakefield	24
Waltham	39
Watertown	37
Webster	19
Wellesley	63
Westfield	9
West Springfield	10
Weymouth	69
Winchester	28
Winthrop	60
Woburn	25
Worcester	17

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 5,000
- 5,000 TO 19,999
- 20,000 OR MORE

- ○ PLACES OF 10,000 TO 99,999 POPULATION
- ● PLACES OF 100,000 OR MORE POPULATION

STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES

- [1] BOSTON AREA
- [2] FALL RIVER – NEW BEDFORD AREA
- [3] PROVIDENCE AREA
- [4] SPRINGFIELD – HOLYOKE AREA
- [5] WORCESTER AREA

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND ITS STANDARD METROPOLITAN AREAS: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
MASSACHUSETTS						
1947	10,524	718,441	$1,923,141	601,603	$1,464,047	$3,370,094
1939 [3]	8,444	549,550	702,487	458,372	498,177	1,181,465
1937	8,619	564,240	710,120	496,036	556,077	1,256,490
1935 [4]	8,266	500,136	574,793	437,459	438,416	975,871
1933	8,145	n.a.	n.a.	398,592	354,524	868,122
1931	9,305	n.a.	n.a.	434,441	474,189	1,142,357
1929	9,872	639,164	910,023	557,494	694,805	1,710,729
1927	10,037	n.a.	n.a.	578,068	705,930	1,639,039
1925	10,027	n.a.	n.a.	591,438	716,156	1,631,974
1923	10,519	n.a.	n.a.	667,172	799,363	1,735,530
1921	9,994	n.a.	n.a.	579,071	641,361	1,408,378
1919	11,627	801,260	947,768	712,254	764,579	1,746,539
1914	11,927	665,540	424,684	606,350	341,011	709,417
1909	11,684	633,205	364,452	584,559	301,173	659,764
1904	10,723	521,223	272,044	488,309	232,389	497,682
1899	10,920	463,490	224,758	438,234	195,278	408,971
BOSTON METROPOLITAN AREA [For definition of area, see footnote [5] below]						
1947	5,408	271,365	$753,037	215,354	$531,108	$1,391,805
1939 [6]	4,378	192,556	273,028	157,230	187,431	508,099
FALL RIVER-NEW BEDFORD METROPOLITAN AREA [For definition of area, see footnote [7] below]						
1947	588	62,572	$142,422	57,379	$122,624	$244,346
1939 [6]	451	54,791	52,365	48,127	39,790	72,661
PROVIDENCE METROPOLITAN AREA [For definition of area, see footnote [8] below]						
1947	2,365	154,613	$397,261	133,976	$312,703	$693,742
1939 [6]	1,411	108,620	125,065	95,411	95,033	218,331
SPRINGFIELD-HOLYOKE METROPOLITAN AREA [For definition of area, see footnote [9] below]						
1947	831	81,598	$233,624	67,366	$177,556	$371,902
1939 [6]	639	47,525	65,924	38,504	46,090	114,584
WORCESTER METROPOLITAN AREA [For definition of area, see footnote [10] below]						
1947	702	53,251	$153,583	43,525	$114,474	$241,917
1939 [6]	600	38,167	55,961	32,033	40,511	99,796

n.a.—Not available.

[1] The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $1,188.3 million for the State. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $1,020 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] The *Boston Metropolitan Area* consists of all of Suffolk County, Mass.; Cambridge, Everett, Malden, Nedford, Melrose, Newton, Somerville, Waltham, and Woburn cities; Arlington, Ashland, Bedford, Belmont, Burlington, Concord, Framingham, Lexington, Lincoln, Natick, North Reading, Reading, Stoneham, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County, Mass.; Beverly, Lynn, Peabody, and Salem cities; Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Saugus, Swampscott, and Wenham towns in Essex County, Mass.; Quincy city, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Medfield, Milton, Needham, Norwood, Randolph, Sharon, Walpole, Wellesley, Westwood, and Weymouth towns in Norfolk County, Mass.; Hingham and Hull towns in Plymouth County, Mass.

[6] Figures for 1939 are unavailable for some unincorporated towns not classified as urban under special rule by the Census Bureau and for those urban places with fewer than 2,500 population in 1940. Area totals for 1939 were estimated by applying, to the 1939 total for those towns for which figures are available, the appropriate 1947 ratio of all the towns in the area over the towns for which 1939 figures are available. According to the 1947 figures, the estimated portion equaled only 0.9 percent of the total value added by manufacture for the Boston Metropolitan Area; 1.1 percent of the total value added by manufacture for the Fall River-New Bedford Metropolitan Area; 2.9 percent of the total value added by manufacture for the Providence Metropolitan Area; 2.2 percent of the total value added by manufacture for the Springfield-Holyoke Metropolitan Area; and 5.7 percent of the total value added by manufacture for the Worcester Metropolitan Area.

The 1939 area figures have also been adjusted for comparability with the 1947 statistics to exclude data for certain establishments classified as manufacturing in 1939 and previous years, but not in 1947. This adjustment was based on the relations between the revised and unrevised 1939 totals for the following counties, which are considered to be reasonable approximations for this purpose to the areas indicated:

Essex, Middlesex, Norfolk, and Suffolk Counties, Mass.—Boston Metropolitan Area.
Bristol, Kent, and Providence Counties, R. I.; Bristol County, Mass.—Providence and Fall River-New Bedford Metropolitan Areas.
Hampden and Hampshire Counties, Mass.—Springfield-Holyoke Metropolitan Area.
Worcester County, Mass.—Worcester Metropolitan Area.

[7] The *Fall River-New Bedford Metropolitan Area* consists of Fall River and New Bedford cities, Acushnet, Dartmouth, Fairhaven, Somerset, Swansea, and Westport towns in Bristol County, Mass.; Tiverton town in Newport County, R. I.

[8] The *Providence Metropolitan Area* consists of Central Falls, Cranston, Pawtucket, Providence, and Woonsocket cities, Cumberland, East Providence, Johnston, Lincoln, North Providence, North Smithfield, and Smithfield towns in Providence County, R. I.; North Kingstown town in Washington County, R. I.; Warwick city, East Greenwich, and West Warwick towns in Kent County, R. I.; Barrington, Bristol, and Warren towns in Bristol County, R. I.; Attleboro city, North Attleborough and Seekonk towns in Bristol County, Mass.; Bellingham, Franklin, Plainville, and Wrentham towns in Norfolk County, Mass.; Blackstone and Millville towns in Worcester County, Mass.

[9] The *Springfield-Holyoke Metropolitan Area* consists of Chicopee, Holyoke, Springfield, and Westfield cities, Agawam, East Longmeadow, Longmeadow, Ludlow, West Springfield, and Wilbraham towns in Hampden County, Mass.; Northampton city, Easthampton and South Hadley towns in Hampshire County, Mass.; Enfield town in Hartford County, Conn.

[10] The *Worcester Metropolitan Area* consists of Worcester city, Auburn, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, North Brookfield, Shrewsbury, Spencer, Westborough, and West Boylston towns in Worcester County, Mass.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**4,316,721**	**10,524**	**718,441**	**$1,923,141**	**601,603**	**$1,464,047**	**$3,370,094**	**8,444**	**458,372**	**$1,181,465**
STANDARD METROPOLITAN AREAS										
Boston area	2,177,624	5,408	271,365	753,037	215,354	531,108	1,391,805	4,378	157,230	508,099
Fall River-New Bedford area, total	269,572	588	62,572	142,422	57,379	122,624	244,346	451	48,127	72,661
Portion in Massachusetts	264,554	584	62,563	142,405	57,370	122,607	244,313	451	48,127	72,661
Portion in Rhode Island	5,018	4	9	17	9	17	33	(1)	(1)	(1)
Providence area, total	676,766	2,365	154,613	397,261	133,976	312,703	693,742	1,411	95,411	218,331
Portion in Massachusetts	59,888	300	17,189	46,094	14,464	35,029	75,851	175	9,973	22,348
Portion in Rhode Island	616,878	2,065	137,424	351,167	119,512	277,674	617,891	1,236	85,438	195,983
Springfield-Holyoke area, total	364,680	831	81,598	233,624	67,366	177,556	371,902	639	38,504	114,584
Portion in Massachusetts	351,119	814	77,605	(d)	63,864	(d)	(d)	639	38,504	114,584
Portion in Connecticut	13,561	17	3,993	(d)	3,502	(d)	(d)	(2)	(2)	(2)
Worcester area	252,752	702	53,251	153,583	43,525	114,474	241,917	600	32,033	99,796
COUNTIES										
Barnstable	37,295	41	512	1,109	405	775	1,820	31	214	731
Berkshire	122,273	178	28,223	77,954	22,790	58,563	136,878	165	17,950	48,537
Bristol	364,637	1,014	89,221	212,684	80,108	177,273	366,182	725	63,977	109,398
Dukes	5,669	8	(d)	(d)	(d)	(d)	(d)	7	(d)	(d)
Essex	496,313	1,280	104,447	271,342	90,254	217,590	468,362	1,018	73,328	160,183
Franklin	49,453	121	7,894	20,545	6,867	16,932	37,047	78	4,316	11,899
Hampden	332,107	772	74,167	213,978	60,962	161,882	346,414	601	36,279	109,531
Hampshire	72,461	157	9,849	25,228	8,545	20,006	41,533	115	6,369	14,490
Middlesex	971,390	1,758	128,675	346,174	105,148	253,061	636,236	1,471	77,555	227,580
Nantucket	3,401	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Norfolk	325,180	463	29,249	83,541	23,646	61,344	139,204	393	23,089	66,544
Plymouth	168,824	414	21,647	52,438	18,697	40,985	89,236	350	15,112	32,639
Suffolk	863,248	2,982	107,257	294,018	84,067	200,346	572,645	2,426	61,990	201,851
Worcester	504,470	1,334	117,248	324,023	100,077	255,211	534,227	1,062	78,166	197,955
URBAN PLACES										
Adams	12,608	22	3,306	7,659	3,087	6,730	17,781	20	3,160	4,928
Amesbury	10,862	33	2,398	5,809	2,050	4,378	7,805	24	2,528	5,012
Andover	11,122	24	4,099	10,363	3,819	9,250	17,814	12	3,445	6,979
Arlington	40,013	26	292	764	236	524	1,069	18	140	501
Athol	11,180	33	3,911	10,419	3,369	8,384	15,633	20	2,175	5,439
Attleboro	22,071	168	12,469	33,495	10,323	25,490	54,962	120	6,554	15,463
Belmont	26,867	10	80	206	65	126	301	6	21	76
Beverly	25,537	46	4,073	12,168	3,209	8,866	12,838	31	2,977	6,798
Boston	770,816	2,825	101,722	279,941	79,510	190,306	546,249	2,300	57,153	190,929
Braintree	16,378	22	1,915	5,372	1,534	3,823	12,322	9	318	512
Brockton	62,343	229	10,467	25,121	8,971	19,236	39,821	203	7,903	16,311
Brookline	49,786	35	445	1,079	368	847	1,771	19	449	1,304
Cambridge	110,879	368	27,684	79,236	21,444	52,970	153,422	346	16,567	70,695
Chelsea	41,259	103	4,568	12,089	3,714	8,551	22,786	99	4,356	10,178
Chicopee	41,664	71	16,942	52,196	14,266	41,688	83,650	57	6,938	19,943
Clinton	12,440	43	3,255	8,168	2,794	6,575	13,984	25	2,177	5,139
Danvers	14,179	37	1,814	4,022	1,627	3,141	11,235	17	600	987
Dedham	15,508	14	301	840	248	572	1,301	9	149	453
Easthampton	10,316	31	3,365	8,797	2,859	6,661	13,268	23	2,371	5,475
Everett	46,784	100	11,155	34,664	8,404	24,445	65,464	109	4,184	15,578
Fairhaven	10,938	12	753	1,839	656	1,551	2,097	12	790	(d)
Fall River	115,428	312	29,120	63,773	26,936	55,259	111,443	217	24,602	33,215
Fitchburg	41,824	109	12,416	35,625	10,720	28,733	61,645	94	6,836	15,240
Framingham	23,214	42	5,087	11,905	4,024	9,389	25,900	39	3,137	8,023
Gardner	20,206	93	6,385	18,851	5,416	14,643	36,712	65	4,820	13,039
Gloucester	24,046	45	2,097	5,563	1,793	4,238	8,756	44	1,682	3,283
Greenfield	15,672	47	3,938	10,396	3,317	8,521	18,804	28	1,278	3,843
Haverhill	46,752	222	11,580	28,006	9,935	21,615	55,702	175	7,510	12,479
Holyoke	53,750	164	14,917	38,947	12,532	30,049	65,579	137	8,511	21,046
Lawrence	84,323	159	29,576	73,383	27,159	64,660	129,012	146	24,471	38,078
Leominster	22,226	95	5,338	12,548	4,720	9,734	21,301	63	4,354	8,257
Lexington	13,187	6	114	259	89	189	510	2	(d)	(d)
Lowell	101,389	214	18,127	43,017	16,053	34,624	78,056	189	13,795	26,306
Lynn	98,123	313	25,700	72,148	19,955	51,691	120,273	259	12,621	45,221
Malden	58,010	117	5,579	14,264	4,744	10,268	26,046	100	3,574	9,705
Marblehead	10,856	18	269	541	232	397	883	14	164	303
Marlborough	15,154	28	2,944	7,014	2,662	5,793	11,520	25	2,102	3,530
Medford	63,083	48	2,236	6,234	1,921	4,651	12,217	42	1,028	3,164
Melrose	25,333	22	581	1,206	384	764	3,043	21	425	1,034
Methuen	21,880	27	2,019	4,343	1,913	3,910	7,822	24	1,565	2,074

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
URBAN PLACES—Con.										
Milford	15,388	26	1,752	$4,030	1,570	$3,289	$5,536	24	1,637	$2,432
Milton	18,708	9	144	321	66	124	946	6	43	187
Natick	13,851	24	842	2,042	706	1,505	3,260	24	1,215	4,822
Needham	12,445	36	929	2,093	787	1,518	3,872	16	186	685
New Bedford	110,341	230	31,736	74,502	28,956	63,899	127,731	177	22,058	36,363
Newburyport	13,916	29	3,749	8,926	3,306	7,179	13,945	25	2,012	4,261
Newton	69,873	85	5,514	14,810	4,361	9,827	23,666	48	3,054	7,279
North Adams	22,213	33	5,427	13,244	4,688	10,716	24,135	37	5,114	9,706
Northampton	24,794	44	3,149	8,111	2,648	6,363	14,192	38	1,227	3,249
North Attleborough	10,359	83	2,727	7,032	2,425	5,364	12,116	47	1,838	4,125
Northbridge	10,242	8	5,871	(d)	4,969	(d)	(d)	5	762	(d)
Norwood	15,383	33	4,162	12,316	3,761	10,695	20,576	23	2,780	11,073
Peabody	21,711	113	6,376	19,257	5,696	16,106	37,139	87	5,785	15,023
Pittsfield	49,684	58	14,904	44,249	10,999	30,866	74,705	64	6,946	26,364
Plymouth	13,100	22	2,584	6,428	2,240	5,052	13,464	22	1,434	3,545
Quincy	75,810	118	7,464	23,846	5,191	14,797	36,898	124	7,765	20,857
Reading	10,866	14	507	1,374	408	1,009	2,687	11	329	971
Revere	34,405	31	598	1,286	516	937	2,537	20	285	674
Salem	41,213	113	6,498	16,371	5,765	13,335	26,585	95	5,066	13,490
Saugus	14,825	29	299	851	257	640	1,602	16	130	519
Somerville	102,177	151	7,480	20,963	6,059	15,264	45,688	114	4,903	18,919
Southbridge	16,825	33	7,061	18,244	6,712	16,860	33,360	34	4,971	12,077
Springfield	149,554	364	28,210	82,078	22,426	59,077	128,325	290	13,774	46,950
Stoneham	10,765	14	594	1,241	483	860	2,260	15	515	1,074
Swampscott	10,761	4	42	93	39	84	188	8	54	272
Taunton	37,395	98	6,723	16,866	5,819	13,661	27,222	79	4,227	9,587
Wakefield	16,223	50	1,701	3,789	1,463	2,893	5,546	33	1,096	2,060
Waltham	40,020	115	10,855	30,286	8,414	20,536	42,600	86	4,424	11,355
Watertown	35,427	82	10,967	29,752	8,605	21,004	49,897	61	5,146	14,982
Webster	13,186	30	3,583	8,547	3,292	7,327	14,481	18	3,081	4,595
Wellesley	15,127	15	225	539	171	397	879	11	136	1,034
Westfield	18,793	52	3,327	9,803	2,843	7,474	14,966	40	1,858	5,256
West Springfield	17,135	48	4,874	14,363	3,924	10,595	22,663	27	1,891	7,042
Weymouth	23,868	24	1,335	3,570	1,119	2,616	5,002	8	56	232
Winchester	15,081	19	1,277	3,726	1,182	3,118	8,881	12	974	2,346
Winthrop	16,768	10	110	218	85	153	357	7	31	70
Woburn	19,751	38	1,625	4,923	1,407	4,095	15,725	31	905	3,321
Worcester	193,694	574	46,847	136,804	37,834	100,815	215,807	487	26,470	86,447

[d] Withheld to avoid disclosing figures for individual companies.

[1] Included in the Massachusetts portion of the Fall River-New Bedford Metropolitan Area. The Rhode Island portion of the area consists of Tiverton town in Newport County; 1939 figures for this unincorporated town are not available. However, the area totals for 1939 include estimated figures for this town and three unincorporated towns in Massachusetts not classified as urban under special rule by the Census Bureau in 1940. (For explanation of method and extent of estimating, see footnote [6] to table 1.)

[2] Included in the Massachusetts portion of the Springfield-Holyoke Metropolitan Area. The Connecticut portion of the area consists of Enfield town in Hartford County; 1939 figures for this unincorporated town are not available. However, the area totals for 1939 include estimated figures for this town and three unincorporated towns in Massachusetts not classified as urban under special rule by the Census Bureau in 1940. (For explanation of method and extent of estimating, see footnote [6] to table 1.)

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947									1939		
No.	Title	Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	10,524	718,441	$1,923,141	601,603	1,228,734	$1,464,047	$3,370,094	$198,985	$52,426	$146,559	8,444	458,372	$1,181,465
20	Food and kindred products	1,229	44,194	116,505	31,978	67,473	71,846	226,956	16,653	3,931	12,722	1,453	28,163	105,906
21	Tobacco manufactures	41	377	729	333	677	536	1,272	29	2	27	26	286	673
22	Textile mill products	636	130,274	323,935	120,719	244,281	281,493	568,355	33,125	8,216	24,909	568	122,223	206,446
23	Apparel and related products	1,310	47,465	102,569	42,761	79,969	80,762	172,497	4,719	398	4,321	888	36,769	58,948
24	Lumber and products, except furniture	410	7,420	18,660	6,669	14,061	15,000	28,325	1,693	833	860	296	4,977	12,088
25	Furniture and fixtures	420	11,078	29,614	9,538	20,431	22,628	50,274	1,680	517	1,163	321	7,925	18,340
26	Paper and allied products	338	34,868	95,915	29,538	65,649	73,190	190,680	17,536	5,415	12,121	311	22,749	68,025
27	Printing and publishing industries	1,167	34,564	102,131	23,517	47,171	63,090	174,667	6,922	1,169	5,753	1,101	18,886	83,442
28	Chemicals and allied products	416	17,983	54,791	12,655	26,411	33,767	143,428	17,518	4,617	12,901	355	7,702	58,282
29	Petroleum and coal products	30	2,540	8,829	2,057	4,783	6,747	26,155	1,618	1,058	560	33	2,045	9,350
30	Rubber products	89	26,409	75,571	21,766	45,732	58,770	132,469	8,356	1,548	6,808	68	14,261	34,530
31	Leather and leather products	990	70,892	170,740	63,702	120,782	138,608	326,663	6,696	1,188	5,508	778	65,608	114,022
32	Stone, clay, and glass products	274	10,544	31,641	8,279	16,520	22,618	56,832	6,234	2,655	3,579	234	4,702	22,594
33	Primary metal industries	235	19,796	61,865	16,928	34,912	50,041	89,058	6,153	1,223	4,930	171	11,081	35,778
34	Fabricated metal products	824	41,014	115,578	34,588	72,651	89,635	205,910	9,890	2,643	7,247	586	19,619	60,849
35	Machinery (except electrical)	938	86,818	261,239	69,024	146,763	194,038	386,936	20,986	5,217	15,769	523	32,926	115,468
36	Electrical machinery	182	55,804	146,913	43,598	87,611	104,212	256,953	17,824	5,058	12,766	94	18,978	73,316
37	Transportation equipment	115	18,281	57,284	14,080	28,558	41,483	80,185	8,625	2,558	6,067	73	9,856	25,231
38	Instruments and related products	144	16,729	42,898	14,581	30,487	34,380	78,175	2,746	809	1,937	93	8,933	27,043
39	Miscellaneous manufactures	736	41,391	105,734	35,292	73,812	81,203	174,304	9,982	3,371	6,611	472	20,683	51,134

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	INDUSTRY Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees Number (average for the year)	Salaries and wages, total	Production workers Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [1]	**10,524**	**6,419**	**2,790**	**1,315**	**718,441**	**$1,923,141**	**458,372**	**601,603**	**$1,464,047**	**$3,370,094**	**$198,985**
20	FOOD AND KINDRED PRODUCTS	1,229	874	261	94	44,194	116,505	28,163	31,978	71,846	226,956	16,653
201	Meat products	125	84	30	11	5,881	16,791	3,219	4,553	11,721	26,155	999
2011	Meat packing, wholesale	38	27	8	3	2,961	8,926	1,570	2,271	6,353	11,323	499
2013	Prepared meats	74	48	18	8	2,727	7,451	1,478	2,129	5,080	14,004	437
2015	Poultry dressing, wholesale	13	9	4	----------	193	414	171	153	288	828	63
202	Dairy products	82	64	15	3	1,690	4,462	[2] 701	1,067	2,328	12,760	1,991
2024	Ice cream and ices	68	51	14	3	1,577	4,167	608	986	2,135	11,738	1,906
203	Canning, preserving, and freezing	74	40	23	11	3,188	8,418	1,631	2,645	6,138	15,170	885
2033	Canning and preserving, except fish	37	21	12	4	1,090	2,719	509	856	1,828	6,298	533
2035	Pickles and sauces	14	10	3	1	315	874	223	215	411	1,127	92
2037	Frozen foods	12	3	5	4	803	2,131	----------	710	1,743	4,151	186
205	Bakery products	377	264	77	36	13,690	36,849	[2] 11,697	8,633	19,824	59,781	3,445
207	Confectionery and related products	107	70	21	16	9,000	20,876	6,523	7,758	14,316	50,105	3,280
2071	Confectionery products	101	69	18	14	7,339	16,719	5,796	6,446	11,277	32,209	2,188
208	Beverages	216	157	49	10	5,117	14,490	1,868	3,062	7,897	31,292	4,273
2081	Bottled soft drinks	191	153	36	2	2,586	6,378	885	1,282	2,671	12,923	2,140
2082	Malt liquors	14	1	6	7	1,946	6,429	754	1,356	4,222	14,536	1,921
2085	Distilled liquors, except brandy	11	3	7	1	585	1,683	(d)	424	1,004	3,833	212
209	Miscellaneous food preparations	213	175	34	4	3,213	8,133	1,042	2,340	4,848	19,854	1,116
2095	Flavorings	35	30	5	----------	327	875	155	205	374	2,034	72
2097	Manufactured ice	66	63	3	----------	626	1,532	336	475	1,169	5,209	245
2098	Macaroni and spaghetti	8	6	1	1	174	392	96	149	283	1,336	166
2099	Food preparations, n.e.c.	90	64	23	3	1,943	5,003	360	1,406	2,816	10,638	597
21	TOBACCO MANUFACTURES	41	40	----------	1	377	729	286	333	536	1,272	29
22	TEXTILE MILL PRODUCTS	636	204	203	229	130,274	323,935	122,223	120,719	281,493	568,355	33,125
221	Woolen and worsted manufactures	175	38	54	83	52,784	134,780	46,086	49,623	119,891	241,555	15,177
2211	Scouring and combing plants	40	18	10	12	4,487	14,405	2,741	4,070	11,440	32,309	1,775
2213	Woolen and worsted fabrics	83	11	19	53	39,956	101,985	37,872	37,606	92,013	179,681	11,399
222	Yarn and thread mills, except wool	35	4	16	15	8,016	18,780	7,905	7,450	15,980	30,982	1,194
2223	Thread mills	16	3	9	4	3,501	8,280	2,970	3,172	6,861	13,122	241
223	Cotton and rayon broad-woven fabrics	75	12	15	48	38,676	91,500	37,614	36,715	83,014	164,247	7,443
2233	Cotton broad-woven fabrics	42	7	4	31	27,491	63,589	28,507	26,165	57,940	112,473	4,097
2234	Rayon and related broad-woven fabrics	33	5	11	17	11,185	27,971	9,107	10,550	25,074	51,774	3,346
2241	Narrow fabric mills	54	20	24	10	3,233	7,479	3,119	2,848	5,914	11,856	569
225	Knitting mills	81	35	22	24	6,278	14,368	7,276	5,541	11,031	24,849	2,317
2252	Seamless hosiery mills	6	2	2	2	587	1,138	578	529	910	1,383	159
2253	Knit outerwear mills	34	17	7	10	2,405	5,497	1,749	2,133	4,101	10,331	406
2254	Knit underwear mills	8	1	2	5	1,506	2,745	1,197	1,335	2,150	4,973	130
2256	Knit-fabric mills	24	13	8	3	771	2,113	1,040	642	1,467	3,907	1,038
2261	Finishing textiles, except wool	50	12	13	25	9,498	26,484	9,331	8,357	21,899	37,854	2,945
2273	Carpets and rugs, n.e.c.	16	12	3	1	352	688	179	325	617	1,545	16
229	Miscellaneous textile goods	122	64	42	16	6,957	18,845	6,205	5,898	14,002	34,615	2,740
2293	Paddings and upholstery filling	11	9	2	----------	143	450	101	119	266	1,096	43
2294	Processed textile waste	51	34	17	----------	1,020	2,494	1,158	866	1,841	4,512	144
2295	Coated fabrics, except rubberized	25	7	12	6	1,502	4,691	765	1,201	3,243	9,275	747
2298	Cordage and twine	16	8	4	4	1,798	4,404	1,516	1,496	3,191	9,001	708
23	APPAREL AND RELATED PRODUCTS	1,310	776	431	103	47,465	102,569	36,769	42,761	80,762	172,497	4,719
231	Men's and boys' suits and coats	122	56	44	22	8,479	21,775	5,801	7,607	17,142	33,460	2,063
232	Men's and boys' furnishings	218	127	71	20	8,682	17,519	7,446	7,889	13,812	28,031	607
2321	Men's dress shirts and nightwear	36	16	13	7	3,238	5,808	3,243	3,028	5,091	9,071	226
2325	Men's and boys' cloth hats and caps	20	19	1	----------	189	435	85	160	317	792	6
2327	Separate trousers	57	39	14	4	1,791	3,641	555	1,622	2,891	6,361	214
2329	Men's and boys' clothing, n.e.c.	78	36	34	8	2,899	6,285	2,615	2,611	4,682	9,678	150
233	Women's and misses' outerwear	430	235	173	22	13,476	29,250	10,225	12,277	23,653	51,161	590
2331	Blouses and waists	40	25	14	1	872	1,627	366	811	1,392	3,468	28
2333	Dresses, unit price	133	45	74	14	5,991	13,197	4,075	5,497	10,862	20,222	299
2334	Dresses, dozen price	58	27	27	4	2,794	5,115	3,480	2,550	4,035	9,559	87
2335	Women's suits and coats	106	75	29	2	2,149	5,291	1,109	1,952	4,386	9,572	102
2339	Women's outerwear, n.e.c.	35	24	10	1	640	1,269	336	589	1,052	1,973	35
234	Women's and children's undergarments	64	17	32	15	4,662	8,555	4,072	4,245	6,770	16,505	374
2341	Women's and children's underwear	42	12	18	12	3,423	6,126	(d)	3,157	5,058	12,818	241
2342	Corsets and allied garments	22	5	14	3	1,239	2,429	(d)	1,088	1,712	3,687	133
2351	Millinery	28	17	8	3	1,253	2,544	1,443	1,179	2,322	4,274	11
236	Children's outerwear	42	24	17	1	1,162	2,163	462	1,040	1,618	3,164	134
2361	Children's dresses	12	3	8	1	552	976	(d)	509	722	1,405	68
2363	Children's coats	16	12	4	----------	318	725	(d)	271	535	897	10
2369	Children's outerwear, n.e.c.	14	9	5	----------	292	462	(d)	260	361	862	56
2371	Fur goods	9	7	2	----------	143	431	103	105	288	596	14
238	Miscellaneous apparel and accessories	96	56	32	8	3,272	7,079	2,577	2,890	5,342	11,100	134
2383	Suspenders and garters	8	6	1	1	238	486	176	192	268	857	2
2387	Belts	14	12	2	----------	177	292	(d)	166	228	481	8
239	Miscellaneous fabricated textiles	301	237	52	12	6,336	13,253	4,640	5,529	9,815	24,206	792
2391	Curtains and draperies	66	43	18	5	1,951	3,868	1,905	1,721	2,564	7,602	158
2392	Housefurnishings, n.e.c.	54	40	8	6	2,058	4,415	818	1,789	3,479	7,549	278
2393	Textile bags	15	14	1	----------	161	301	102	134	230	734	36
2394	Canvas products	56	53	3	----------	398	873	172	348	718	1,138	29
2395	Tucking, pleating, and hemstitching	26	23	3	----------	203	361	123	193	338	591	11
2396	Trimmings and art goods	24	16	7	1	822	1,850	(d)	705	1,313	3,839	110
2399	Fabricated textile products, n.e.c.	45	36	9	----------	549	1,247	932	452	887	2,169	154

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	410	316	82	12	7,420	$18,660	4,977	6,669	$15,000	$28,325	$1,693
242	Lumber and timber basic products	120	112	8	----------	1,030	2,328	491	963	2,046	3,706	210
243	Millwork and related products	89	65	22	2	1,558	4,205	986	1,311	2,927	5,082	464
2431	Millwork plants	85	64	20	1	1,253	3,254	(d)	1,076	2,487	4,647	105
2433	Prefabricated wood products	4	1	2	1	305	951	(d)	235	440	435	359
244	Wooden containers	83	52	24	7	2,431	5,432	1,876	2,242	4,448	9,477	300
2444	Wooden boxes (except cigar boxes)	61	39	17	5	1,887	4,332	1,282	1,735	3,466	7,958	263
2445	Cooperage	14	8	4	2	428	887	489	402	804	1,215	25
249	Miscellaneous wood products	118	87	28	3	2,401	6,605	1,624	2,153	5,579	10,060	719
2499	Wood products, n.e.c.	83	68	13	2	1,422	3,946	935	1,302	3,477	5,679	660
25	FURNITURE AND FIXTURES	420	280	124	16	11,078	29,614	7,925	9,538	22,628	50,274	1,680
251	Household furniture	305	193	98	14	7,809	20,261	5,570	6,804	15,595	32,774	1,147
2511	Wood house furniture, except upholst.	126	70	48	8	3,884	9,901	2,716	3,505	8,246	14,382	676
2512	Household furniture, upholstered	103	71	30	2	1,947	4,808	1,673	1,672	3,714	8,137	287
2514	Metal house furniture, except upholst.	13	8	3	2	567	1,647	259	494	1,083	2,765	55
2515	Mattresses and bed springs	60	41	17	2	1,391	3,865	845	1,115	2,518	7,432	129
2521	Wood office furniture	3	----------	3	----------	164	427	167	151	344	499	6
2541	Partitions and fixtures	55	42	13	----------	900	2,769	398	747	2,048	3,820	130
2561	Window and door screens	15	11	4	----------	199	516	63	149	313	681	58
2563	Venetian blinds	15	12	2	1	283	592	34	256	487	1,200	92
26	PAPER AND ALLIED PRODUCTS	338	110	133	95	34,868	95,915	22,749	29,538	73,190	190,680	17,536
261	Pulp, paper, and paperboard	62	2	18	42	13,143	39,960	10,022	11,381	32,075	73,901	9,305
2641	Paper coating and glazing	26	9	10	7	2,033	5,938	1,107	1,709	4,580	12,388	1,323
267	Paperboard containers and boxes	118	37	59	22	8,020	19,634	5,624	7,024	14,926	41,830	3,423
2671	Paperboard boxes	107	32	53	22	7,679	18,829	5,125	6,714	14,247	40,404	3,380
2674	Fiber cans, tubes, drums, etc.	11	5	6	----------	341	805	499	310	679	1,426	43
269	Pulp goods and misc. paper products	109	54	41	14	8,599	22,349	3,932	6,827	15,546	49,317	2,703
2699	Converted paper products, n.e.c.	85	41	32	12	7,796	20,119	3,568	6,157	13,957	44,386	2,358
27	PRINTING AND PUBLISHING INDUSTRIES	1,167	908	200	59	34,564	102,131	18,886	23,517	63,090	174,667	6,922
2711	Newspapers	177	122	41	14	10,574	37,000	5,042	5,655	19,477	63,021	2,412
2721	Periodicals	70	61	8	1	912	2,717	127	120	280	5,334	84
273	Books	47	28	13	6	2,848	8,918	1,793	1,525	4,811	20,065	686
2731	Books: publishing and printing	37	25	7	5	2,440	7,464	1,352	1,179	3,628	17,882	656
2732	Book printing	10	3	6	1	408	1,454	441	346	1,183	2,183	30
2741	Miscellaneous publishing	24	16	6	2	905	2,032	14	637	1,374	3,240	56
2751	Commercial printing	575	495	64	16	8,005	21,272	4,961	6,500	15,744	33,831	1,745
2761	Lithographing	45	31	8	6	1,983	6,111	1,110	1,549	3,950	9,687	467
2771	Greeting cards	20	9	7	4	2,634	5,860	1,756	1,879	2,953	10,778	463
278	Bookbinding and related industries	97	68	23	6	4,622	11,131	2,758	4,041	9,264	18,436	716
2781	Bookbinding	51	35	13	3	2,620	6,735	1,816	2,353	5,847	10,637	314
2789	Miscellaneous bookbinding work	17	15	2	----------	163	345	61	144	294	605	27
279	Printing trades service industries	112	78	30	4	2,081	7,090	1,325	1,611	5,237	10,275	293
2791	Typesetting	35	25	8	2	678	2,264	460	557	1,749	2,989	65
2793	Photoengraving	42	29	13	----------	666	2,596	418	487	1,862	3,653	117
28	CHEMICALS AND ALLIED PRODUCTS	416	309	72	35	17,983	54,791	7,702	12,655	33,767	143,428	17,518
282	Industrial organic chemicals	21	10	6	5	3,915	12,145	1,733	2,872	8,096	23,672	(d)
2821	Cyclic (coal-tar) crudes	3	1	2	----------	114	344	(d)	69	197	979	27
2823	Plastics materials	10	4	2	4	3,210	10,065	966	2,291	6,550	18,428	(d)
2834	Pharmaceutical preparations	48	37	8	3	1,002	2,273	744	683	1,228	7,888	314
284	Soap and related products	138	120	10	8	4,164	13,837	2,008	2,954	8,276	45,909	1,500
2841	Soap and glycerin	12	8	1	3	1,881	6,936	1,471	1,473	4,550	31,724	498
2842	Cleaning and polishing preparations	112	100	7	5	2,101	6,276	466	1,364	3,435	12,099	891
2843	Sulfonated oils and assistants	14	12	2	----------	182	625	71	117	291	2,086	111
285	Paints and allied products	56	36	15	5	1,696	5,519	667	1,015	2,470	12,675	492
2851	Paints and varnishes	51	33	13	5	1,607	5,288	(d)	956	2,358	12,246	484
287	Fertilizers	8	3	4	1	391	1,053	192	319	820	1,738	210
288	Vegetable and animal oils	17	8	8	1	584	1,787	482	493	1,451	7,697	497
289	Miscellaneous chemical products	113	83	19	11	4,817	14,048	1,501	3,366	8,561	35,696	3,012
2896	Compressed and liquefied gases	7	3	4	----------	236	593	124	162	449	1,455	179
2899	Chemical products, n.e.c.	69	54	11	4	2,517	7,471	401	1,591	3,643	16,027	1,649
29	PETROLEUM AND COAL PRODUCTS	30	19	7	4	2,540	8,829	2,045	2,057	6,747	26,155	1,618
295	Paving and roofing materials	21	15	5	1	822	3,016	614	694	2,419	7,427	431
30	RUBBER PRODUCTS	89	42	20	27	26,409	75,571	14,261	21,766	58,770	132,469	8,356
3099	Rubber industries, n.e.c.	79	39	20	20	10,472	28,210	7,343	8,650	21,423	53,271	5,159
31	LEATHER AND LEATHER PRODUCTS	990	431	361	198	70,892	170,740	65,608	63,702	138,608	326,663	6,696
3111	Leather tanning and finishing	182	93	58	31	12,170	37,082	9,352	11,079	30,890	119,326	2,587
3121	Industrial leather belting	31	24	6	1	750	1,773	384	629	1,391	4,964	795
3131	Footwear cut stock	294	169	114	11	7,886	18,378	7,345	6,856	13,764	38,168	716
314	Footwear (except rubber)	381	87	147	147	46,478	105,919	45,577	41,967	86,870	151,820	2,372
3141	Footwear, except rubber	338	76	119	143	44,254	101,288	43,101	39,951	83,213	143,921	2,278
3142	House slippers	43	11	28	4	2,224	4,631	2,476	2,016	3,657	7,899	94
3161	Luggage	21	12	7	2	671	1,438	584	590	1,173	2,889	29
317	Handbags and small leather goods	44	17	22	5	2,334	4,879	1,997	2,046	3,589	7,688	150
3171	Hand bags and purses	28	10	14	4	1,536	2,918	1,392	1,402	2,353	4,703	69
3172	Small leather goods	16	7	8	1	798	1,961	605	644	1,236	2,985	81

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

No.	Industry: Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
32	STONE, CLAY, AND GLASS PRODUCTS	274	209	52	13	10,544	$31,641	4,702	8,279	$22,618	$56,832	$6,234
3231	Products of purchased glass	25	19	5	1	756	2,524	216	471	1,279	1,662	175
325	Structural clay products	10	4	6	----------	312	856	309	291	783	1,228	53
327	Concrete and plaster products	108	93	14	1	1,111	2,939	867	971	2,360	6,832	1,370
3271	Concrete products	100	90	10	----------	759	1,974	673	669	1,595	4,039	784
3274	Lime	4	2	2	----------	141	429	(d)	120	332	1,135	(d)
3281	Cut-stone and stone products	47	43	4	----------	383	1,019	437	313	824	1,775	69
329	Misc. nonmetallic mineral products	69	38	20	11	7,750	23,798	2,770	6,030	16,959	44,492	4,524
3291	Abrasive products	32	14	12	6	6,000	19,587	2,019	4,511	13,661	35,450	3,748
3292	Asbestos products	7	4	1	2	305	688	162	271	583	1,982	202
3298	Statuary and art goods	11	9	2	----------	103	233	70	92	186	333	2
3299	Nonmetallic mineral products, n.e.c.	5	2	1	2	826	1,932	(d)	759	1,600	4,019	157
33	PRIMARY METAL INDUSTRIES	235	103	96	36	19,796	61,865	11,081	16,928	50,041	89,058	6,153
332	Iron and steel foundries	78	16	50	12	5,144	15,349	3,024	4,642	13,324	22,758	1,725
3321	Gray-iron foundries	72	16	46	10	4,435	13,123	2,498	4,024	11,507	19,448	1,042
3361	Nonferrous foundries	83	58	22	3	1,649	4,725	368	1,463	3,906	6,548	473
339	Miscellaneous primary metal industries	51	17	16	18	8,081	25,782	4,887	6,884	20,656	38,718	3,015
3391	Iron and steel forgings	15	6	3	6	2,413	7,869	1,081	2,115	6,353	10,987	303
3392	Wire drawing	16	3	2	11	4,926	15,505	3,555	4,164	12,566	22,499	2,223
34	FABRICATED METAL PRODUCTS	824	522	219	83	41,014	115,578	19,619	34,588	89,635	205,910	9,890
342	Cutlery, hand tools, and hardware	131	72	36	23	14,145	39,129	5,339	11,953	31,361	79,480	3,827
3421	Cutlery	13	4	3	6	5,087	13,386	1,429	4,186	9,970	33,714	1,138
3422	Edge tools	42	25	15	2	1,280	3,675	(d)	1,070	2,765	6,447	395
3423	Hand tools, n.e.c.	38	23	6	9	3,539	8,963	1,392	2,984	7,383	14,314	883
3425	Hand saws and saw blades	7	2	3	2	2,159	7,242	749	1,909	6,266	14,989	1,008
3429	Hardware, n.e.c.	31	18	9	4	2,080	5,863	1,093	1,804	4,977	10,016	403
3432	Oil burners	17	12	3	2	545	1,717	102	355	1,065	3,122	207
3439	Heating and cooking apparatus, n.e.c.	24	11	7	6	2,702	8,543	2,394	2,330	6,807	14,438	532
344	Structural metal products	206	140	58	8	4,615	14,321	1,942	3,793	10,126	23,276	702
3441	Structural and ornamental products	69	49	18	2	1,340	4,417	732	1,048	2,705	7,003	252
3442	Metal doors, sash, and trim	11	9	2	----------	144	364	(d)	127	314	693	10
3443	Boiler shop products	37	15	17	5	1,706	5,306	(d)	1,416	3,906	8,805	157
3444	Sheet-metal work	89	67	21	1	1,425	4,234	709	1,202	3,201	6,775	283
346	Metal stamping and coating	230	159	58	13	5,285	13,801	3,284	4,662	10,796	22,717	1,048
3461	Vitreous-enameled products	6	3	3	----------	190	463	30	164	346	637	85
3463	Metal stampings	85	47	27	11	3,107	8,399	2,513	2,700	6,227	13,900	635
3467	Engraving on metal	32	29	1	2	419	1,141	104	371	911	2,018	15
3468	Plating and polishing	89	67	22	----------	1,356	3,341	518	1,233	2,930	5,413	263
3471	Lighting fixtures	44	27	9	8	3,489	9,482	589	2,799	6,840	19,463	1,075
348	Fabricated wire products	51	25	16	10	3,180	8,264	2,480	2,720	6,656	12,210	778
349	Miscellaneous fabricated metal products	104	68	24	12	6,300	18,568	2,823	5,342	14,593	28,207	1,605
3494	Bolts, nuts, washers, and rivets	20	9	7	4	4,108	12,503	1,994	3,455	9,937	18,485	852
3495	Screw-machine products	58	37	13	8	1,888	5,277	478	1,633	4,111	8,074	698
3499	Fabricated metal products, n.e.c.	18	15	3	----------	186	483	333	158	314	1,088	54
35	MACHINERY (EXCEPT ELECTRICAL)	938	587	231	120	86,818	261,239	32,926	69,024	194,038	386,936	20,986
3522	Farm machinery (except tractors)	9	6	3	----------	157	465	151	137	355	823	54
354	Metalworking machinery	218	146	47	25	14,794	45,006	7,284	11,816	32,604	67,391	2,770
3541	Machine tools	21	5	5	11	4,103	13,596	3,574	2,882	8,324	18,084	380
3542	Metalworking machinery, n.e.c.	20	13	6	1	1,052	3,649	358	817	2,379	5,874	322
3543	Cutting tools, jigs, fixtures, etc.	177	128	36	13	9,639	27,761	3,352	8,117	21,901	43,433	2,068
355	Special-industry machinery, n.e.c.	338	192	99	47	32,078	95,137	13,504	26,672	74,998	140,743	8,296
3552	Textile machinery	119	61	36	22	20,169	58,071	8,298	17,333	47,683	87,914	4,907
3553	Woodworking machinery	14	8	3	3	1,247	3,979	293	968	2,850	7,157	150
3554	Paper-industries machinery	25	3	15	7	2,573	8,295	1,152	2,014	5,866	13,635	1,350
3559	Special-industry machinery, n.e.c.	147	100	35	12	7,225	22,362	3,152	5,648	16,725	27,104	1,741
356	General industrial machinery	106	50	33	23	12,560	37,867	4,393	9,271	25,968	56,888	2,874
3561	Pumps and compressors	19	11	4	4	2,239	6,951	568	1,582	4,551	8,112	251
3566	Power-transmission equipment	24	7	9	8	2,797	7,977	1,366	2,326	5,685	12,074	660
3569	General industrial machinery, n.e.c.	18	5	6	7	3,528	11,493	1,035	2,622	7,878	18,080	1,052
358	Service and household machines	44	26	12	6	10,099	32,038	3,217	8,029	23,886	45,437	2,124
3582	Laundry and dry-cleaning machinery	5	1	4	----------	192	474	47	158	380	696	5
359	Miscellaneous machinery parts	189	149	30	10	7,569	21,186	3,806	6,153	16,057	33,028	1,891
3591	Valves and fittings, except plumbers'	30	13	9	8	5,220	14,989	2,955	4,125	11,191	23,344	1,522
3599	Machine shops	151	133	16	2	2,138	5,568	(d)	1,870	4,471	8,423	271
36	ELECTRICAL MACHINERY	182	78	44	60	55,804	146,913	18,978	43,598	104,212	256,953	17,824
361	Electrical industrial apparatus	69	28	17	24	28,299	81,029	10,585	21,566	57,967	138,350	11,087
3631	Insulated wire and cable	19	9	6	4	2,381	6,329	715	1,955	4,505	11,471	444
3651	Electric lamps	5	----------	----------	5	3,667	8,384	766	3,468	7,539	20,324	1,645
366	Communication equipment	58	28	9	21	18,668	44,538	5,404	14,196	29,180	73,985	3,592
3661	Radios and related products	38	19	6	13	12,383	28,929	2,427	9,413	19,179	42,157	2,302
369	Miscellaneous electrical products	19	10	8	1	620	1,398	228	522	1,082	4,139	283
3691	Storage batteries	11	5	6	----------	344	921	75	268	663	2,083	257
37	TRANSPORTATION EQUIPMENT	115	59	40	16	18,281	57,284	9,856	14,080	41,483	80,185	8,625
371	Motor vehicles and equipment	42	20	18	4	3,757	10,863	1,249	3,182	8,512	24,313	4,674
3717	Motor vehicles and parts	16	4	8	4	3,073	8,921	n.a.	2,580	6,997	21,477	4,592
373	Ships and boats	63	37	22	4	6,006	19,546	(d)	4,353	12,715	21,095	247
3731	Ship building and repairing	16	4	8	4	5,254	17,708	n.a.	3,703	11,196	18,742	102
3732	Boat building and repairing	47	33	14	----------	752	1,838	n.a.	650	1,519	2,353	145

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

No.	Industry: Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
38	INSTRUMENTS AND RELATED PRODUCTS	144	78	40	26	16,729	$42,898	8,933	14,581	$34,380	$78,175	$2,746
3811	Scientific instruments	13	8	4	1	453	1,338	(d)	348	965	2,243	282
384	Medical instruments and supplies	60	41	14	5	1,965	4,367	1,152	1,664	3,174	9,092	291
3842	Surgical appliances and supplies	35	26	7	2	974	2,055	808	874	1,627	5,025	174
3861	Photographic equipment	8	5	1	2	1,256	3,249	414	1,110	2,739	5,319	274
39	MISCELLANEOUS MANUFACTURES	736	474	174	88	41,391	105,734	20,683	35,292	81,203	174,304	9,982
3912	Jeweler's findings	22	9	8	5	1,829	5,595	813	1,518	3,887	9,241	711
3914	Silverware and plated ware	39	21	11	7	3,372	10,089	1,782	2,813	7,963	16,654	938
3939	Musical instruments, n.e.c.	8	3	5	----------	222	612	258	195	492	896	19
394	Toys and sporting goods	105	63	22	20	8,036	19,672	4,686	7,169	15,711	30,856	2,121
3942	Dolls	13	7	5	1	320	334	649	301	236	552	10
395	Office supplies	50	39	10	1	759	1,845	385	607	1,266	4,187	263
3951	Pens and mechanical pencils	5	3	2	----------	147	320	(d)	129	237	669	(d)
3953	Hand stamps and stencils	34	29	5	----------	276	702	148	213	467	1,077	24
396	Costume jewelry and notions	81	46	25	10	5,074	12,663	2,917	4,360	10,040	23,253	1,046
3963	Buttons	14	8	5	1	347	635	547	312	491	738	33
3964	Needles, pins, and fasteners	13	5	5	3	1,698	4,759	101	1,479	3,976	9,120	400
3971	Plastics products, n.e.c.	108	60	31	17	7,839	19,395	(d)	6,514	14,070	28,409	1,911
399	Miscellaneous manufactures	228	168	41	19	10,544	26,449	6,577	9,180	20,795	45,602	2,438
3981	Brooms and brushes	41	31	7	3	2,175	5,383	1,813	1,734	3,562	12,301	775
3986	Jewelry and instrument cases	16	6	5	5	1,882	3,932	539	1,779	3,456	6,319	284
3988	Morticians' goods	18	11	6	1	627	1,744	364	501	1,176	2,964	72
3993	Signs and advertising displays	77	68	8	1	844	2,294	613	685	1,692	3,099	91
3999	Miscellaneous products, n.e.c.	34	24	8	2	780	1,669	1,270	659	1,111	3,599	119

[d] Withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Insdutries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.
[2] SEE GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	Industry: Title	Number of establishments	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year)	Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		BOSTON METROPOLITAN AREA [3]						
	All industries, total [2]	5,408	271,365	$753,037	215,354	$531,108	$1,391,805	$72,932
20	FOOD AND KINDRED PRODUCTS	629	29,604	78,567	21,918	49,311	154,724	9,435
201	Meat products	59	4,216	12,722	3,283	8,883	19,477	541
2011	Meat packing, wholesale	17	1,997	6,537	1,503	4,571	7,533	237
2013	Prepared meats	34	2,142	6,014	1,712	4,168	11,564	287
202	Dairy products	45	966	2,687	605	1,354	8,166	1,157
2024	Ice cream and ices	35	901	2,495	558	1,233	7,502	1,120
203	Canning, preserving, and freezing	40	1,250	3,520	958	2,281	6,779	307
2033	Canning and preserving, except fish	22	569	1,537	444	984	3,279	155
2037	Frozen foods	4	374	1,059	326	885	2,307	82
205	Bakery products	163	8,241	22,027	5,309	12,501	37,263	1,518
2051	Bread and other bakery products	156	7,356	20,103	4,572	10,998	32,239	1,390
2052	Biscuit, crackers, and pretzels	7	885	1,924	737	1,503	5,024	128
207	Confectionery and related products	83	8,223	19,366	7,043	13,045	43,888	3,136
208	Beverages	91	2,602	7,317	1,568	3,936	15,867	1,708
2081	Bottled soft drinks	78	1,221	3,103	601	1,288	6,502	864
2082	Malt liquors	5	943	2,958	657	1,929	6,064	750
2085	Distilled liquors, except brandy	8	438	1,256	310	719	3,301	94
209	Miscellaneous food preparations	130	2,127	5,470	1,572	3,280	13,883	495
2095	Flavorings	26	168	431	116	224	960	55
2097	Manufactured ice	26	273	771	253	683	3,162	112
2099	Food preparations, n.e.c.	67	1,577	4,020	1,122	2,207	9,227	328
21	TOBACCO MANUFACTURES	22	290	588	255	425	980	25
22	TEXTILE MILL PRODUCTS	155	10,622	27,755	9,161	20,275	56,347	2,444
221	Woolen and worsted manufactures	29	1,350	5,089	1,060	2,538	16,600	410
2211	Scouring and combing plants	20	678	3,218	498	1,448	14,083	292
222	Yarn and thread mills, except wool	7	498	1,131	440	855	2,148	11
2241	Narrow fabric mills	12	312	738	276	553	1,710	15
225	Knitting mills	42	2,073	4,563	1,726	3,090	7,706	466
2253	Knit outerwear mills	24	1,036	2,362	886	1,597	4,943	186
2254	Knit underwear mills	5	611	1,065	486	759	1,256	20
2256	Knit-fabric mills	7	265	694	207	421	842	47
2261	Finishing textiles, except wool	7	927	2,512	794	2,036	2,862	227
229	Miscellaneous textile goods	47	1,704	4,667	1,429	3,316	9,105	519
2291	Felt goods, n.e.c.	3	146	241	130	190	320	3
2293	Paddings and upholstery filling	7	110	307	92	188	777	18
2294	Processed textile waste	20	454	1,153	399	902	2,113	62
2295	Coated fabrics, except rubberized	10	844	2,684	676	1,820	5,559	402

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

No.	Industry	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	BOSTON METROPOLITAN AREA[3]—Continued							
23	APPAREL AND RELATED PRODUCTS	903	24,301	$59,516	21,436	$45,160	$98,421	$2,861
231	Men's and boys' suits and coats	103	5,915	16,584	5,268	12,882	25,557	1,762
232	Men's and boys' furnishings	143	3,164	7,236	2,710	4,986	11,547	191
2321	Men's dress shirts and nightwear	11	168	326	137	228	534	15
2323	Men's and boys' neckwear	22	480	1,190	386	717	1,816	11
2327	Separate trousers	39	567	1,229	467	874	2,289	50
2329	Men's and boys' clothing, n.e.c.	51	1,765	4,066	1,564	2,859	6,116	109
233	Women's and misses' outerwear	311	7,429	18,444	6,614	14,380	32,110	259
2333	Dresses, unit price	88	3,525	8,951	3,137	7,047	14,486	145
2334	Dresses, dozen price	28	967	1,896	892	1,435	2,921	33
2335	Women's suits and coats	83	1,159	3,322	1,036	2,735	5,816	16
2336	Women's skirts	50	817	2,317	678	1,547	5,642	26
2339	Women's outerwear, n.e.c.	26	332	709	295	575	1,084	20
234	Women's and children's undergarments	23	870	1,746	768	1,248	3,840	68
2341	Women's and children's underwear	17	592	1,135	526	810	2,705	40
2342	Corsets and allied garments	6	278	611	242	438	1,135	28
2351	Millinery	18	646	1,363	614	1,283	2,416	8
236	Children's outerwear	27	569	1,213	496	903	1,828	66
2369	Children's outerwear, n.e.c.	11	202	362	179	280	715	56
2371	Fur goods	9	143	431	105	288	596	14
238	Miscellaneous apparel and accessories	64	2,145	5,090	1,877	3,765	8,044	108
2384	Robes and dressing gowns	6	116	275	93	143	376	2
2385	Waterproof outer garments	26	1,359	3,179	1,175	2,439	4,677	77
2386	Leather and sheep-lined clothing	16	498	1,330	451	953	2,473	22
2387	Belts	10	138	239	130	183	411	7
239	Miscellaneous fabricated textiles	205	3,420	7,409	2,984	5,425	12,483	385
2391	Curtains and draperies	44	924	1,887	797	1,121	2,975	44
2392	Housefurnishings, n.e.c.	36	1,115	2,534	963	1,953	4,316	169
2393	Textile bags	12	150	292	124	222	722	36
2394	Canvas products	32	244	555	213	450	730	20
2396	Trimming and art goods	17	268	658	236	478	1,191	25
2398	Embroideries, except Schiffli-machine	11	160	299	155	249	474	11
2399	Fabricated textile products, n.e.c.	27	370	838	316	626	1,460	70
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	115	2,063	6,104	1,780	4,785	8,443	349
2431	Millwork plants	35	534	1,571	441	1,112	2,315	52
2444	Wooden boxes (except cigar boxes)	13	329	801	288	648	1,670	68
249	Miscellaneous wood products	51	821	2,093	720	1,634	3,362	129
2492	Lasts and related products	12	283	864	249	681	1,423	23
2493	Mirror and picture frames	12	178	376	155	287	630	6
2499	Wood products, n.e.c.	27	360	853	316	666	1,309	100
25	FURNITURE AND FIXTURES	243	4,445	12,576	3,754	9,125	20,527	430
251	Household furniture	159	3,225	8,919	2,780	6,638	15,458	262
2511	Wood house furniture, except upholst.	51	1,076	2,879	972	2,409	4,475	57
2512	Household furniture, upholstered	58	700	1,830	617	1,476	3,040	90
2515	Mattresses and bedsprings	41	1,180	3,428	954	2,247	6,818	107
2541	Partitions and fixtures	41	621	1,978	503	1,419	2,729	63
256	Screens, shades, and blinds	28	308	805	229	466	1,151	71
26	PAPER AND ALLIED PRODUCTS	125	11,451	29,873	9,417	22,250	62,831	4,815
2612	Paper and board mills	6	1,026	3,830	854	2,950	6,408	1,047
267	Paper containers and boxes	50	4,702	11,909	4,096	9,183	25,067	2,531
2671	Paperboard boxes	46	4,584	11,644	3,983	8,928	24,531	2,512
2674	Fiber cans, tubes, drums, etc.	4	118	265	113	255	536	19
269	Pulp goods and misc. paper products	57	5,190	12,739	4,018	9,150	28,885	1,175
2699	Converted paper products, n.e.c.	44	4,785	11,688	3,694	8,446	26,501	1,102
27	PRINTING AND PUBLISHING INDUSTRIES	734	23,206	72,705	15,292	43,856	120,261	4,888
2711	Newspapers	83	7,260	27,619	3,876	14,700	44,829	1,900
2721	Periodicals	59	814	2,458	100	225	4,858	78
273	Books	39	2,595	8,067	1,419	4,523	17,273	677
2741	Miscellaneous publishing	19	483	1,143	284	690	1,892	49
2751	Commercial printing	340	4,709	13,228	3,793	9,663	20,965	1,074
2761	Lithographing	33	1,431	4,527	1,093	2,897	6,479	311
2771	Greeting cards	13	2,110	4,858	1,478	2,336	8,020	353
278	Bookbinding and related industries	75	2,232	5,391	2,006	4,667	8,127	235
2781	Bookbinding	41	1,772	4,448	1,620	3,951	6,634	174
279	Printing trades service industries	73	1,572	5,414	1,243	4,155	7,818	211
2791	Typesetting	26	632	2,149	521	1,659	2,758	62
2792	Engraving and plate printing	17	225	530	179	416	916	6
2793	Photoengraving	23	455	1,810	334	1,329	2,591	78
2794	Electrotyping and stereotyping	7	260	925	209	751	1,553	65
28	CHEMICALS AND ALLIED PRODUCTS	274	11,326	35,363	7,787	21,113	101,359	7,700
282	Industrial organic chemicals	13	387	1,279	286	797	3,822	217
2821	Cyclic (coal-tar) crudes	3	114	344	69	197	979	27
2834	Pharmaceutical preparations	30	526	1,251	307	588	3,237	52
284	Soap and related products	97	3,103	10,531	2,166	6,143	40,562	834
2842	Cleaning and polishing preparations	75	1,205	3,536	688	1,611	8,050	292
285	Paints and allied products	35	1,505	4,860	899	2,208	10,982	388
2886	Grease and tallow	7	294	1,027	236	755	3,962	134
289	Miscellaneous chemical products	75	3,780	11,371	2,678	7,005	28,957	2,217
2891	Printing ink	7	154	354	115	217	969	25
2899	Chemical products, n.e.c.	45	2,107	6,394	1,290	2,933	12,746	946
29	PETROLEUM AND COAL PRODUCTS	22	2,334	8,141	1,912	6,327	24,439	1,481
295	Paving and roofing materials	16	680	2,528	579	2,068	6,087	313
30	RUBBER PRODUCTS	50	15,293	41,094	12,126	29,800	74,937	4,413

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

No.	Industry: Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	BOSTON METROPOLITAN AREA[3]—Continued							
31	LEATHER AND LEATHER PRODUCTS	512	28,245	$73,764	25,326	$59,238	$170,548	$3,170
3111	Leather tanning and finishing	152	9,924	30,680	9,045	25,459	103,033	1,929
3121	Industrial leather belting	9	116	336	94	231	777	16
3131	Footwear cut stock	116	2,853	6,983	2,427	4,943	15,568	230
314	Footwear (except rubber)	171	14,349	33,617	12,883	27,003	47,674	943
3141	Footwear, except rubber	149	13,413	31,496	12,037	25,335	43,878	905
3142	House slippers	22	936	2,121	846	1,668	3,796	38
3161	Luggage	15	260	628	229	493	1,112	15
317	Handbags and small leather goods	29	557	1,170	490	853	1,841	27
32	STONE, CLAY, AND GLASS PRODUCTS	144	3,516	9,543	2,826	6,682	16,549	1,026
3231	Products of purchased glass	20	695	2,387	421	1,178	1,465	152
327	Concrete and plaster products	43	573	1,600	497	1,267	3,891	402
3281	Cut-stone and stone products	37	338	899	278	736	1,541	65
329	Miscellaneous nonmetallic mineral products	31	1,694	4,100	1,435	3,008	8,619	368
3291	Abrasive products	9	641	1,589	502	1,026	3,776	163
3299	Nonmetallic mineral products, n.e.c.	5	826	1,932	759	1,600	4,019	157
33	PRIMARY METAL INDUSTRIES	89	3,902	11,713	3,395	9,554	18,263	1,682
332	Iron and steel foundries	22	2,325	7,035	2,051	6,071	10,487	1,174
3361	Nonferrous foundries	42	729	2,060	653	1,676	2,686	47
339	Miscellaneous primary metal industries	14	434	1,253	360	926	2,665	361
3399	Primary metal industries, n.e.c.	9	355	1,021	293	772	2,300	344
34	FABRICATED METAL PRODUCTS	416	17,099	48,383	13,982	35,053	91,912	4,099
342	Cutlery, hand tools, and hardware	49	5,639	15,250	4,519	10,871	37,211	1,427
3422	Edge tools	18	669	1,912	534	1,343	3,787	205
343	Heating and plumbing equipment	30	854	2,594	675	1,747	3,802	152
3439	Heating and cooking apparatus, n.e.c.	14	444	1,395	392	988	2,020	119
344	Structural metal products	136	3,444	10,652	2,825	7,547	17,060	529
3441	Structural and ornamental products	48	1,012	3,265	801	2,028	5,118	210
3443	Boiler shop products	24	1,336	4,225	1,107	3,144	6,688	106
3444	Sheet-metal work	57	1,021	2,993	852	2,226	4,885	208
346	Metal stamping and coating	100	1,924	4,873	1,690	3,792	7,866	337
3463	Metal stampings	36	1,115	3,012	976	2,241	4,909	178
3468	Plating and polishing	37	507	1,183	448	1,023	1,862	59
3471	Lighting fixtures	31	1,631	5,275	1,167	3,486	10,332	915
3489	Wirework, n.e.c.	15	314	801	271	599	1,366	60
349	Miscellaneous fabricated metal products	44	2,673	7,434	2,311	5,836	11,462	553
3494	Bolts, nuts, washers, and rivets	7	1,950	5,436	1,683	4,253	7,752	291
3495	Screw-machine products	22	601	1,659	526	1,351	2,806	209
3499	Fabricated metal products, n.e.c.	10	100	280	81	176	773	52
35	MACHINERY (EXCEPT ELECTRICAL)	414	25,697	77,317	19,177	54,178	113,111	6,967
3531	Construction and mining machinery	8	140	390	107	263	681	17
354	Metalworking machinery	77	1,560	4,377	1,262	3,193	6,878	225
3541	Machine tools	8	509	1,442	395	1,017	1,872	18
3542	Metalworking machinery, n.e.c.	7	121	287	100	226	624	9
3543	Cutting tools, jigs, fixtures, etc.	62	930	2,648	767	1,950	4,382	198
355	Special-industry machinery, n.e.c.	121	8,118	25,032	6,236	18,243	33,463	2,195
3551	Food-products machinery	10	333	942	271	743	2,646	103
3552	Textile machinery	17	603	1,821	465	1,229	3,319	147
3554	Paper-industries machinery	7	806	2,717	599	1,780	4,779	586
3559	Special-industry machinery, n.e.c.	69	5,728	17,424	4,376	12,934	19,733	1,307
356	General industrial machinery	61	6,903	20,850	4,934	14,040	33,013	1,881
3563	Conveyors	10	231	730	181	530	1,105	31
3566	Power-transmission equipment	9	985	3,135	807	2,323	4,736	304
3569	General industrial machinery, n.e.c.	7	1,484	4,886	1,057	2,943	7,272	628
359	Miscellaneous machinery parts	117	4,433	11,947	3,499	8,706	18,094	555
3599	Machine shops	85	1,605	4,248	1,377	3,325	6,245	181
36	ELECTRICAL MACHINERY	112	30,089	80,676	23,338	56,405	134,674	7,129
3611	Wiring devices and supplies	11	373	895	284	557	1,311	63
3615	Transformers	4	129	231	103	157	261	28
3641	Engine electrical equipment	3	989	2,296	920	1,786	4,490	645
3651	Electric lamps	5	3,667	8,384	3,468	7,539	20,324	1,645
366	Communication equipment	36	8,773	22,744	6,148	13,262	30,055	1,681
3661	Radios and related products	21	5,058	13,435	3,332	7,461	17,831	1,101
3662	Electronic tubes	5	3,208	7,748	2,520	5,130	9,196	528
37	TRANSPORTATION EQUIPMENT	48	13,121	42,322	9,796	29,378	61,112	7,710
373	Ships and boats	20	5,308	17,763	3,740	11,242	18,887	113
38	INSTRUMENTS AND RELATED PRODUCTS	93	6,927	17,880	5,910	13,948	27,342	924
3821	Mechanical measuring instruments	19	1,000	2,605	764	1,819	4,704	80
3831	Optical instruments and supplies	7	247	702	175	384	803	23
384	Medical instruments and supplies	43	1,196	2,809	961	1,953	4,793	135
3842	Surgical appliances and supplies	21	260	608	216	475	892	19
39	MISCELLANEOUS MANUFACTURES	308	7,834	19,157	6,766	14,245	35,025	1,384
391	Jewelry and silverware	36	338	871	287	651	1,325	18
3914	Silverware and plated ware	9	153	432	131	339	679	11
393	Musical instruments and parts	13	375	1,022	319	783	1,613	26
394	Toys and sporting goods	47	951	1,837	847	1,253	3,212	81
3941	Games and toys, n.e.c.	24	421	986	365	622	1,926	30
3949	Sporting and athletic goods	17	440	728	398	551	1,082	48
395	Office supplies	25	496	1,213	379	794	2,985	71
3953	Hand stamps and stencils	18	136	384	92	218	605	17
396	Costume jewelry and notions	27	1,608	4,270	1,392	3,444	8,320	336
3961	Costume jewelry	8	152	327	123	204	434	14
3971	Plastics products, n.e.c.	38	1,158	2,795	974	1,846	4,644	347
399	Miscellaneous manufactures	122	2,908	7,149	2,568	5,474	12,926	505
3988	Morticians' goods	9	398	1,234	312	785	2,174	65
3993	Signs and advertising displays	49	633	1,770	506	1,289	2,360	57
3999	Miscellaneous products, n.e.c.	22	241	497	221	411	1,162	31

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

No.	Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	FALL RIVER-NEW BEDFORD METROPOLITAN AREA [4]							
	All industries, total [2]	588	62,572	$142,422	57,379	$122,624	$244,346	$12,541
20	Food and kindred products	93	1,668	4,084	1,153	2,519	9,370	1,059
201	Meat products	18	116	277	79	163	367	13
2051	Bread and other bakery products	36	691	1,729	454	976	2,687	144
208	Beverages	19	461	1,268	277	717	3,412	491
209	Miscellaneous food preparations	10	109	271	94	220	729	100
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	105	31,572	74,661	30,022	67,562	128,584	5,685
221	Woolen and worsted manufactures	4	228	605	209	462	1,100	72
222	Yarn and thread mills, except wool	12	4,514	9,878	4,246	8,762	14,371	547
223	Cotton and rayon broad-woven fabrics	39	23,718	56,505	22,809	52,349	101,470	3,905
2233	Cotton broad-woven fabrics	21	17,132	40,095	16,528	37,400	72,896	1,992
2234	Rayon and related broad-woven fabrics	18	6,586	16,410	6,281	14,949	28,574	1,913
2241	Narrow fabric mills	12	719	1,575	663	1,254	2,198	121
2261	Finishing textiles, except wool	15	1,341	3,705	1,177	3,009	5,001	558
228	Hats (except cloth and millinery)	7	317	666	284	477	1,327	19
229	Miscellaneous textile goods	10	389	997	314	695	2,020	29
23	Apparel and related products	163	11,346	19,911	10,631	16,926	35,980	792
2311	Men's and boys' suits and coats	8	1,012	1,947	910	1,480	2,786	172
232	Men's and boys' furnishings	32	3,063	5,358	2,932	4,789	9,236	258
2321	Men's dress shirts and nightwear	16	1,642	2,742	1,583	2,527	4,770	126
233	Women's and misses' outerwear	54	3,697	6,442	3,451	5,548	11,530	170
2333	Dresses, unit price	25	1,665	2,968	1,587	2,649	3,944	113
2334	Dresses, dozen price	19	1,534	2,656	1,384	2,140	5,671	46
234	Women's and children's undergarments	14	1,483	2,545	1,391	2,168	5,718	59
239	Miscellaneous fabricated textiles	30	992	1,883	924	1,510	4,243	55
2391	Curtains and draperies	13	605	1,196	549	880	3,285	40
2392	Housefurnishings, n.e.c.	6	326	593	319	551	818	14
24	Lumber and products, except furniture	18	451	953	401	774	1,492	32
2431	Millwork plants	9	138	300	115	248	415	5
244	Wooden containers	4	233	469	217	400	818	10
25	Furniture and fixtures	12	365	818	318	661	1,362	119
251	Household furniture	8	175	412	144	312	526	40
2563	Venetian blinds	4	190	406	174	349	836	79
26	Paper and allied products	12	593	1,673	516	1,172	3,771	324
27	Printing and publishing industries	33	966	2,339	684	1,452	4,603	57
2751	Commercial printing	23	237	586	197	443	912	23
28	Chemicals and allied products	15	566	1,462	500	1,204	2,947	570
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	7	3,255	8,070	2,869	6,873	10,605	1,452
31	Leather and leather products	13	928	1,723	854	1,450	3,280	59
3171	Handbags and purses	4	447	158	423	586	1,141	42
32	Stone, clay, and glass products	10	120	267	104	212	377	4
33	Primary metal industries	9	1,266	(d)	1,061	(d)	(d)	(d)
34	Fabricated metal products	20	1,452	3,806	1,249	3,098	6,455	519
35	Machinery (except electrical)	38	2,616	6,854	2,230	5,597	8,756	466
3552	Textile machinery	21	437	1,272	368	990	1,788	91
36	Electrical machinery	7	4,346	9,605	3,879	8,026	16,192	1,023
37	Transportation equipment	13	355	(d)	304	(d)	(d)	(d)
39	Miscellaneous manufactures	17	701	1,659	590	1,364	2,668	62
	SPRINGFIELD-HOLYOKE METROPOLITAN AREA [5]							
	All industries, total [2]	831	81,598	$233,624	67,366	$177,556	$371,902	$29,993
20	Food and kindred products	108	3,152	9,026	1,976	4,957	15,358	1,567
201	Meat products	10	821	2,115	637	1,568	3,164	122
2024	Ice cream and ices	6	108	285	70	160	1,154	114
2051	Bread and other bakery products	42	1,389	4,128	792	1,949	5,690	345
208	Beverages	26	557	1,729	289	921	4,082	805
209	Miscellaneous food preparations	16	215	674	128	274	1,144	177
21	Tobacco manufactures	9	38	53	36	50	82	2
22	Textile mill products	45	11,723	30,242	10,486	25,156	47,480	3,170
221	Woolen and worsted manufactures	6	1,177	2,865	1,115	2,546	4,459	117
222	Yarn and thread mills, except wool	5	1,245	3,035	1,141	2,582	6,322	252
223	Cotton and rayon broad-woven fabrics	7	1,710	4,495	1,542	3,859	5,494	559
225	Knitting mills	10	1,481	3,173	1,386	2,681	6,530	478
2254	Knit underwear mills	3	895	1,680	849	1,391	3,717	110
229	Miscellaneous textile goods	5	876	2,518	721	1,813	3,165	820
23	Apparel and related products	55	2,989	6,047	2,755	5,120	9,611	276
233	Women's and misses' outerwear	16	816	1,681	785	1,494	2,808	60
2333	Dresses, unit price	5	247	432	239	392	599	22
2335	Women's suits and coats	7	481	1,112	458	975	1,913	32
234	Women's and children's undergarments	8	768	1,399	709	1,112	1,865	95
2341	Women's and children's underwear	4	498	853	485	775	1,081	63
2342	Corsets and allied garments	4	270	546	224	337	784	32
239	Miscellaneous fabricated textiles	15	247	481	208	355	885	98
24	Lumber and products, except furniture	27	927	2,446	821	1,796	4,192	464
243	Millwork and related products	9	346	1,000	280	521	548	(d)
244	Wooden containers	7	241	522	222	441	1,248	59
2499	Wood products, n.e.c.	8	321	878	300	788	2,306	41
25	Furniture and fixtures	25	519	1,547	443	1,150	2,501	55
251	Household furniture	17	427	1,286	370	956	2,086	45
2512	Household furniture, upholstered	10	189	619	166	477	849	9

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	SPRINGFIELD-HOLYOKE METROPOLITAN AREA [6]—Continued							
26	Paper and allied products	66	7,687	$20,924	6,456	$15,774	$36,854	$3,810
261	Pulp, paper, and paperboard	18	3,858	10,882	3,258	8,623	18,307	2,194
2641	Paper coating and glazing	13	749	2,164	571	1,407	3,786	603
2651	Envelopes	5	1,213	3,244	1,020	2,432	5,020	291
2671	Paperboard boxes	15	845	2,073	754	1,558	5,143	284
269	Pulp goodsand miscellaneous paper products	15	1,022	2,561	853	1,754	4,598	438
27	Printing and publishing industries	118	4,153	10,820	3,143	7,247	21,232	918
2711	Newspapers	12	463	1,436	197	642	2,910	104
2751	Commercial printing	60	1,073	2,536	902	2,020	4,030	283
2761	Lithography	6	482	1,424	400	938	2,959	141
2771	Greeting cards	4	245	534	210	376	1,244	9
2782	Blankbook making and paper ruling	5	290	541	260	408	909	29
279	Printing trades service industries	16	172	557	128	427	913	20
28	Chemicals and allied products	27	3,835	12,069	2,663	7,539	22,722	7,414
289	Miscellaneous chemical products	12	302	834	168	387	2,301	32
30	Rubber products	5	4,778	(d)	4,004	(d)	(d)	(d)
31	Leather and leather products	12	1,109	2,677	929	1,797	3,761	92
317	Handbags and small leather goods	4	644	1,635	515	1,038	2,423	40
32	Stone, clay, and glass products	26	389	1,252	302	773	2,023	287
329	Miscellaneous nonmetallic mineral products	10	239	857	173	465	1,479	105
33	Primary metal industries	32	2,431	7,689	2,211	6,579	10,572	356
332	Iron and steel foundries	8	408	1,252	374	1,089	1,634	62
3361	Nonferrous foundries	11	495	1,522	441	1,270	1,910	72
339	Miscellaneous primary metal industries	10	1,461	4,636	1,339	4,070	6,374	205
34	Fabricated metal products	85	4,145	11,959	3,594	9,435	19,540	1,015
342	Cutlery, hand tools, and hardware	14	1,870	4,926	1,706	4,290	7,704	332
343	Heating and plumbing equipment	9	536	1,924	394	1,291	3,595	236
344	Structural metal products	15	410	1,310	333	905	2,309	56
3441	Structural and ornamental products	9	165	608	123	365	1,028	19
346	Metal stamping and coating	24	737	2,107	656	1,695	3,269	115
3463	Metal stampings	9	257	632	236	537	869	56
348	Fabricated wire products	7	353	1,009	302	782	1,515	62
3495	Screw-machine products	9	164	516	139	365	904	198
35	Machinery (except electrical)	110	19,585	61,547	15,614	45,705	86,232	4,627
3543	Cutting tools, jigs, fixtures, etc	38	486	1,614	419	1,306	2,775	153
355	Special-industry machinery, n.e.c	31	1,247	3,967	1,075	3,038	5,880	396
3554	Paper-industries machinery	5	157	447	132	336	575	105
3559	Special-industry machinery, n.e.c	17	340	1,240	281	927	1,738	99
356	General industrial machinery	11	3,298	9,940	2,477	7,014	13,484	446
358	Service and household machines	3	8,515	27,655	6,811	20,850	38,188	1,842
3599	Machine shops	18	134	344	127	295	449	21
36	Electrical machinery	16	3,854	9,057	3,148	6,630	14,767	548
37	Transportation equipment	5	2,312	(d)	1,899	(d)	(d)	(d)
38	Instruments and related products	5	236	(d)	149	(d)	(d)	(d)
39	Miscellaneous manufactures	55	7,736	19,922	6,737	16,268	31,579	3,109
394	Toys and sporting goods	11	2,614	5,822	2,313	4,740	8,523	1,386
3971	Plastics products, n.e.c	8	253	502	221	405	920	104
399	Miscellaneous manufactures	24	4,305	11,896	3,671	9,529	20,358	1,468
	WORCESTER METROPOLITAN AREA [6]							
	All industries, total [3]	702	53,251	$153,583	43,525	$114,474	$241,917	$17,661
20	Food and kindred products	71	1,597	4,518	912	2,030	6,837	1,019
201	Meat products	11	194	457	135	291	738	155
2013	Prepared meats	7	165	376	118	247	549	12
2051	Bread and other bakery products	27	905	2,844	513	1,182	3,795	458
208	Beverages	16	241	678	135	308	1,173	306
209	Miscellaneous food preparations	9	110	204	35	63	417	13
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	66	5,947	15,675	5,412	13,295	25,551	2,742
221	Woolen and worsted manufactures	31	2,737	7,277	2,539	6,303	11,344	2,030
2211	Scouring and combing plants	3	168	515	158	451	517	51
2212	Yarn mills, wool, except carpet	9	313	715	290	630	1,078	(d)
2213	Woolen and worsted fabrics	19	2,256	6,047	2,091	5,222	9,749	1,234
222	Yarn and thread mills, except wool	4	261	601	241	497	1,136	48
225	Knitting mills	5	537	1,594	458	1,346	2,305	69
229	Miscellaneous textile goods	16	599	1,907	503	1,361	3,959	353
2295	Coated fabrics, except rubberized	4	107	384	84	236	676	(d)
23	Apparel and related products	63	1,736	3,271	1,562	2,429	5,361	168
232	Men's and boys' furnishings	17	417	917	380	681	1,439	20
2327	Separate trousers	6	141	333	121	232	443	13
2329	Men's and boys' clothing, n.e.c	5	170	405	156	316	661	7
233	Women's and misses' outerwear	17	470	765	432	592	1,598	26
2335	Women's suits and coats	6	216	376	198	288	1,038	----------
234	Women's and children's undergarments	11	684	1,290	614	960	1,915	91
239	Miscellaneous fabricated textiles	14	106	183	86	120	209	30

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		WORCESTER METROPOLITAN AREA[6]—Continued						
24	Lumber and products, except furniture	20	338	$781	307	$657	$1,176	$12
25	Furniture and fixtures	24	231	480	202	387	785	16
251	Household furniture	15	163	340	138	257	526	14
26	Paper and allied products	19	1,423	4,042	1,205	3,045	7,075	488
269	Pulp goods and misc. paper products	7	282	990	240	673	2,035	90
27	Printing and publishing industries	65	1,443	4,182	885	2,297	7,422	232
2751	Commercial printing	36	360	976	262	576	1,759	68
279	Printing trades service industries	12	277	842	192	516	1,252	52
28	Chemicals and allied products	19	401	812	335	596	2,338	343
2834	Pharmaceutical preparations	7	287	499	242	371	1,155	240
29	Petroleum and coal products	3	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	4	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	44	4,671	10,340	4,229	8,445	18,487	1,063
3111	Leather tanning and finishing	5	484	1,238	408	1,003	2,138	68
314	Footwear (except rubber)	19	3,202	6,885	2,957	5,621	10,345	211
3141	Footwear, except rubber	13	2,472	5,475	2,284	4,504	7,900	177
3142	House slippers	6	730	1,410	673	1,117	2,445	34
32	Stone, clay, and glass products	15	5,174	17,282	3,890	12,324	29,971	3,553
33	Primary metal industries	30	7,964	26,351	6,481	20,347	32,779	2,174
339	Miscellaneous primary metal industries	14	4,033	13,415	3,309	10,349	18,317	1,446
3392	Wire drawing	6	2,873	9,517	2,369	7,575	12,613	1,184
3399	Primary metal industries, n.e.c.	3	137	436	103	269	864	62
34	Fabricated metal products	88	5,237	15,359	4,399	11,908	22,552	1,447
342	Cutlery, hand tools, and hardware	15	663	1,715	556	1,328	2,406	280
3422	Edge tools	5	192	549	158	424	843	164
3441	Structural and ornamental products	5	101	375	75	187	588	21
3444	Sheet-metal work	9	101	299	93	280	562	34
346	Metal stamping and coating	25	1,399	3,745	1,216	2,792	6,130	389
3463	Metal stampings	14	1,076	2,954	912	2,048	4,737	309
3489	Wireworks, n.e.c.	10	789	2,247	645	1,772	2,982	234
349	Miscellaneous fabricated metal products	20	2,109	6,812	1,751	5,433	9,604	479
35	Machinery (except electrical)	109	11,203	36,564	8,543	25,365	56,866	2,876
354	Metalworking machinery	36	4,385	15,073	3,095	9,251	21,675	638
3541	Machine tools	5	2,725	9,512	1,788	5,466	12,942	233
355	Special-industry machinery, n.e.c.	42	4,883	15,778	3,912	12,030	26,512	1,828
3552	Textile machinery	26	3,510	11,484	2,874	8,984	19,548	1,307
3554	Paper-industries machinery	3	682	2,177	519	1,538	2,657	456
356	General industrial machinery	11	1,603	4,731	1,252	3,309	6,859	370
36	Electrical machinery	8	1,288	2,282	1,203	1,851	4,017	961
37	Transportation equipment	6	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	6	756	(d)	686	(d)	(d)	(d)
39	Miscellaneous manufactures	40	1,691	3,985	1,507	3,241	5,658	190
394	Toys and sporting goods	8	529	1,202	470	1,025	1,557	67
3971	Plastics products, n.e.c.	8	287	782	268	560	1,146	56
399	Miscellaneous manufactures	18	777	1,736	686	1,437	2,618	60
3981	Brooms and brushes	5	143	316	128	252	506	18

[d] Withheld to avoid disclosing figures for individual companies.

[1] Industry statistics for the *Providence Metropolitan Area* (which includes nine cities and towns in Massachusetts), are shown in table 5 for the State of *Rhode Island*.

[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) line and the "All industries" line.

[3] The *Boston Metropolitan Area* consists of all of Suffolk County, Mass.; Cambridge Everett, Malden, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities; Arlington, Ashland, Bedford, Belmont, Burlington, Concord, Framingham, Lexington, Lincoln, Natick, North Reading, Reading, Stoneham, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County, Mass.; Beverly, Lynn, Peabody, and Salem cities; Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Saugus, Swampscott, and Wenham towns in Essex County, Mass.; Quincy city; Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Medfield, Milton, Needham, Norwood, Randolph, Sharon, Walpole, Wellesley, Westwood, and Weymouth towns in Norfolk County, Mass.; Hingham and Hull towns in Plymouth County, Mass.

[4] The *Fall River-New Bedford Metropolitan Area* consists of Fall River and New Bedford cities, Acushnet, Dartmouth, Fairhaven, Somerset, Swansea, and Westport towns in Bristol County, Mass.; Tiverton town in Newport County, R. I.

[5] The *Springfield-Holyoke Metropolitan Area* consists of Chicopee, Holyoke, Springfield, and Westfield cities, Agawan, East Longmeadow, Longmeadow, Ludlow, West Springfield, and Wilbraham towns in Hampden County, Mass.; Northampton city, Easthampton and South Hadley towns in Hampshire County, Mass.; Enfield town in Hartford County, Conn.

[6] The *Worcester Metropolitan Area* consists of Worcester city, Auburn, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, North Brookfield, Shrewsbury, Spencer, Westborough, and West Boylston towns in Worcester County, Mass.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	BERKSHIRE COUNTY							
	All industries, total [1]	**178**	**28,223**	**$77,954**	**22,790**	**$58,563**	**$136,878**	**$11,559**
20	Food and kindred products	37	554	1,187	404	794	2,491	225
205	Bakery products	17	401	829	313	619	1,818	54
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	19	7,421	17,995	6,990	16,103	33,165	1,653
221	Woolen and worsted manufactures	8	2,397	6,359	2,294	5,751	8,764	894
223	Cotton and rayon broad-woven fabrics	4	3,323	7,387	3,214	6,773	17,159	352
23	Apparel and related products	5	299	(d)	277	(d)	(d)	(d)
24	Lumber and products, except furniture	24	215	470	207	448	680	16
242	Lumber and timber basic products	19	167	383	161	367	564	15
25	Furniture and fixtures	3	7	13	7	13	20	----------
26	Paper and allied products	16	3,546	9,940	2,945	7,353	16,213	1,326
261	Pulp, paper, and paperboard	9	2,537	7,357	2,163	5,833	11,951	1,226
27	Printing and publishing industries	22	390	(d)	246	(d)	(d)	(d)
275	Commercial printing	14	143	319	121	243	509	59
28	Chemicals and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	7	1,150	2,622	1,085	2,295	4,996	91
32	Stone, clay, and glass products	9	239	(d)	204	(d)	(d)	(d)
33	Primary metal industries	3	428	(d)	421	(d)	(d)	(d)
34	Fabricated metal products	8	94	243	80	188	351	6
35	Machinery (except electrical)	9	825	2,648	638	1,823	5,326	156
355	Special-industry machinery, n.e.c.	5	718	2,405	539	1,627	4,959	148
36	Electrical machinery	5	10,736	(d)	7,590	(d)	(d)	(d)
38	Instruments and related products	3	853	(d)	696	(d)	(d)	(d)
39	Miscellaneous manufactures	5	1,206	(d)	798	(d)	(d)	(d)
	BRISTOL COUNTY							
	All industries, total [1]	**1,014**	**89,221**	**$212,684**	**80,108**	**$177,273**	**$366,182**	**$20,485**
20	Food and kindred products	109	2,413	5,688	1,781	3,773	15,390	1,328
201	Meat products	17	114	274	77	160	362	13
205	Bakery products	40	717	1,776	471	1,004	2,775	149
208	Beverages	24	617	1,693	369	938	3,908	662
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	130	35,764	86,081	33,835	77,272	147,113	7,565
223	Cotton and rayon broad-woven fabrics	46	25,499	60,669	24,474	56,045	108,016	4,406
224	Narrow fabric mills	12	719	1,575	663	1,254	2,198	121
226	Finishing textiles, except wool	22	2,961	8,917	2,598	7,211	13,763	1,524
228	Hats (except cloth and millinery)	7	317	666	284	477	1,327	19
229	Miscellaneous textile goods	16	543	1,389	437	958	2,703	53
23	Apparel and related products	169	11,875	20,917	11,108	17,719	37,880	859
231	Men's and boys' suits and coats	8	1,012	1,947	910	1,480	2,786	172
232	Men's and boys' furnishings	32	3,063	5,358	2,932	4,789	9,236	258
234	Women's and children's undergarments	14	1,483	2,545	1,391	2,168	5,718	59
24	Lumber and products, except furniture	36	745	1,720	672	1,395	2,507	43
244	Wooden containers	12	378	821	351	706	1,325	19
25	Furniture and fixtures	12	365	818	318	661	1,362	119
251	Household furniture	8	175	412	144	312	526	40
256	Screens, shades, and blinds	4	190	406	174	349	836	79
26	Paper and allied products	24	1,242	(d)	1,061	(d)	(d)	(d)
267	Paperboard containers and boxes	19	838	2,034	717	1,302	4,385	257
27	Printing and publishing industries	53	1,249	2,951	890	1,865	5,766	101
271	Newspapers	12	546	1,488	286	723	3,623	44
28	Chemicals and allied products	25	991	2,594	828	1,967	7,156	1,040
29	Petroleum and coal products	3	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	8	3,349	(d)	2,953	(d)	(d)	(d)
309	Rubber industries, n.e.c.	7	2,839	7,010	2,515	6,056	9,484	1,082
31	Leather and leather products	22	1,337	2,694	1,232	2,215	5,219	145
32	Stone, clay, and glass products	23	368	881	322	703	1,368	176
33	Primary metal industries	25	1,688	4,925	1,433	4,030	9,022	431
332	Iron and steel foundries	11	286	859	263	708	1,259	46
336	Nonferrous foundries	8	121	313	107	256	453	42
34	Fabricated metal products	87	3,601	9,976	3,169	8,216	16,740	810
342	Cutlery, hand tools, and hardware	9	412	1,162	365	920	2,034	71
344	Structural metal products	12	154	501	132	378	946	21
346	Metal stamping and coating	50	671	1,701	597	1,368	3,265	61
35	Machinery (except electrical)	83	5,729	15,313	4,836	12,109	19,946	1,317
354	Metalworking machinery	21	1,994	5,121	1,638	3,906	7,219	389
355	Special-industry machinery, n.e.c.	36	2,535	7,032	2,125	5,489	8,613	649
356	General industrial machinery	5	242	752	210	526	1,123	42
36	Electrical machinery	10	5,041	(d)	4,477	(d)	(d)	(d)
37	Transportation equipment	14	392	951	336	758	1,079	26
38	Instruments and related products	7	1,275	3,350	1,127	2,575	6,227	612
39	Miscellaneous manufactures	173	11,785	30,504	9,722	23,124	51,416	2,602
391	Jewelry and silverware	98	6,813	18,427	5,493	13,784	30,157	1,541
396	Costume jewelry and notions	38	2,776	6,872	2,364	5,281	12,666	613
397	Plastics products, n.e.c.	9	905	2,254	762	1,794	4,279	338
399	Miscellaneous manufactures	19	769	1,791	657	1,303	2,707	21

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	ESSEX COUNTY							
	All industries, total [1]	1,280	104,447	$271,342	90,254	$217,590	$468,362	$21,351
20	Food and kindred products	139	3,854	10,412	2,761	6,364	17,896	1,147
201	Meat products	9	143	360	101	230	783	69
202	Dairy products	10	187	502	102	249	1,187	126
203	Canning, preserving, and freezing	12	1,215	3,383	1,095	2,761	4,956	140
205	Bakery products	42	1,393	4,076	806	1,833	6,260	327
208	Beverages	27	454	1,164	291	668	2,554	379
209	Miscellaneous food preparations	21	260	581	210	355	1,546	60
21	Tobacco manufactures	4	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	53	30,505	73,918	28,583	67,421	125,215	4,599
221	Woolen and worsted manufactures	23	25,542	62,610	24,182	57,783	113,187	3,706
226	Finishing textiles, except wool	4	1,059	2,861	933	2,520	3,051	186
229	Miscellaneous textile goods	10	643	1,429	581	1,216	2,261	23
23	Apparel and related products	45	2,284	4,758	2,078	3,957	7,942	260
232	Men's and boys' furnishings	7	258	437	234	368	895	8
238	Miscellaneous apparel and accessories	10	253	558	233	424	1,530	13
24	Lumber and products, except furniture	46	667	1,667	587	1,332	2,540	77
242	Lumber and timber basic products	11	136	315	109	235	488	36
244	Wooden containers	8	185	463	173	378	617	14
249	Miscellaneous wood products	20	259	691	225	554	1,139	23
25	Furniture and fixtures	30	557	1,643	490	1,171	2,095	81
251	Household furniture	19	307	861	276	645	1,070	29
26	Paper and allied products	17	1,771	4,879	1,563	3,954	10,649	882
261	Pulp, paper, and paperboard	5	625	2,265	563	1,788	6,263	536
27	Printing and publishing industries	87	1,108	3,189	745	2,086	5,484	291
271	Newspapers	21	778	2,440	506	1,556	4,229	197
275	Commercial printing	48	192	409	149	310	705	4
28	Chemicals and allied products	67	1,683	5,055	1,210	3,200	11,918	1,025
284	Soap and related products	40	493	1,605	335	911	4,193	131
289	Miscellaneous chemical products	13	958	2,867	722	1,965	5,517	822
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	10	1,368	3,537	1,207	2,769	5,861	361
31	Leather and leather products	453	25,426	61,997	22,973	51,088	104,289	2,320
311	Leather tanning and finishing	133	8,030	24,268	7,309	20,292	47,909	1,546
312	Industrial leather belting	7	107	331	85	216	667	15
313	Footwear cut stock	134	3,327	6,931	2,924	5,401	11,933	227
314	Footwear (except rubber)	170	13,815	30,148	12,524	24,929	43,154	516
32	Stone, clay, and glass products	24	125	325	103	232	716	70
33	Primary metal industries	13	331	1,112	291	842	1,892	57
332	Iron and steel foundries	4	103	326	96	288	453	7
34	Fabricated metal products	63	3,304	9,605	2,671	7,011	18,703	1,196
342	Cutlery, hand tools, and hardware	16	350	949	319	806	1,617	72
344	Structural metal products	12	152	379	133	296	670	10
346	Metal stamping and coating	12	236	707	205	527	1,316	65
348	Fabricated wire products	4	194	566	174	433	839	41
349	Miscellaneous fabricated metal products	7	123	328	103	243	599	74
35	Machinery (except electrical)	109	11,742	35,841	9,223	26,512	48,008	3,470
354	Metalworking machinery	21	226	689	193	474	1,303	----------
355	Special-industry machinery, n.e.c.	51	6,599	19,647	5,536	15,540	24,191	1,400
358	Service and household machines	6	215	681	128	281	1,079	22
36	Electrical machinery	26	16,402	44,450	12,957	32,941	89,250	4,472
37	Transportation equipment	32	972	2,280	883	1,967	3,938	252
371	Motor vehicles and equipment	9	492	1,131	446	967	2,383	153
38	Instruments and related products	6	127	304	99	188	474	6
39	Miscellaneous manufactures	54	2,163	6,209	1,785	4,452	11,202	869
397	Plastics products, n.e.c.	9	830	2,099	691	1,617	2,802	289
	HAMPDEN COUNTY							
	All industries, total [1]	772	74,167	$213,978	60,962	$161,882	$346,414	$27,808
20	Food and kindred products	91	3,025	8,730	1,907	4,791	14,732	1,464
205	Bakery products	36	1,358	4,064	769	1,901	5,578	345
208	Beverages	21	493	1,593	260	873	3,751	720
209	Miscellaneous food preparations	12	156	537	94	191	968	159
21	Tobacco manufactures	9	38	53	36	50	82	2
22	Textile mill products	36	6,667	16,567	6,077	13,868	27,370	1,995
222	Yarn and thread mills, except wool	5	1,245	3,035	1,141	2,582	6,322	252
225	Knitting mills	8	1,046	2,024	985	1,677	4,785	132
23	Apparel and related products	51	2,493	5,046	2,323	4,286	8,195	264
233	Women's and misses' outerwear	16	816	1,681	785	1,494	2,808	60
234	Women's and children's undergarments	8	768	1,399	709	1,112	1,865	95
235	Millinery	4	204	444	189	381	813	2
239	Miscellaneous fabricated textiles	14	246	479	207	353	885	98
24	Lumber and products, except furniture	34	1,065	2,766	957	2,091	4,409	946
244	Wooden containers	6	198	466	180	390	996	44
25	Furniture and fixtures	23	346	1,029	289	762	1,429	27
251	Household furniture	16	265	792	225	587	1,055	18
26	Paper and allied products	63	7,714	21,242	6,436	15,972	38,409	3,419
261	Pulp, paper, and paperboard	16	3,920	11,142	3,271	8,755	19,345	1,597
265	Envelopes	5	1,213	3,244	1,020	2,432	5,020	291
269	Pulp goods and misc. paper products	16	1,037	2,743	863	1,905	5,186	648
27	Printing and publishing industries	107	3,902	10,265	2,923	6,833	20,146	869
275	Commercial printing	51	1,033	2,463	870	1,963	3,873	282
276	Lithographing	6	482	1,424	400	938	2,959	141
279	Printing trades service industries	15	167	645	124	418	886	20

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	HAMPDEN COUNTY—Continued							
28	Chemicals and allied products	24	3,138	$9,823	2,131	$6,010	$19,600	(d)
30	Rubber products	5	4,693	(d)	3,921	(d)	(d)	(d)
31	Leather and leather products	10	811	1,959	658	1,277	2,863	$70
317	Handbags and small leather goods	4	644	1,635	515	1,038	2,423	40
32	Stone, clay, and glass products	24	518	(d)	391	(d)	(d)	(d)
33	Primary metal industries	32	3,396	(d)	3,027	(d)	(d)	(d)
332	Iron and steel foundries	6	365	1,141	342	1,000	1,490	62
336	Nonferrous foundries	11	495	1,522	441	1,270	1,910	72
34	Fabricated metal products	80	3,844	11,134	3,293	8,617	18,575	987
342	Cutlery, hand tools, and hardware	12	1,586	4,081	1,430	3,531	6,717	300
343	Heating and plumbing equipment	9	536	1,924	394	1,291	3,595	236
344	Structural metal products	16	411	1,371	323	876	2,377	60
346	Metal stamping and coating	22	728	2,087	647	1,675	3,250	115
348	Fabricated wire products	6	345	989	297	772	1,491	62
35	Machinery (except electrical)	105	19,650	61,691	15,663	45,778	86,448	4,668
354	Metalworking machinery	38	715	2,280	605	1,787	3,549	209
355	Special-industry machinery, n.e.c.	26	1,221	3,889	1,053	2,972	5,785	394
356	General industrial machinery	11	3,298	9,940	2,477	7,014	13,484	446
36	Electrical machinery	15	3,804	8,896	3,115	6,538	14,755	500
37	Transportation equipment	5	2,312	(d)	1,899	(d)	(d)	(d)
38	Instruments and related products	7	609	(d)	498	(d)	(d)	(d)
39	Miscellaneous manufactures	51	6,142	15,712	5,418	12,970	25,063	2,542
399	Miscellaneous manufactures	23	3,109	8,956	2,740	7,500	15,027	965
	MIDDLESEX COUNTY							
	All industries, total [1]	1,758	128,675	$346,174	105,148	$253,061	$636,236	$40,517
20	Food and kindred products	240	13,988	37,214	10,700	23,909	69,319	4,454
201	Meat products	20	2,399	7,347	1,855	5,225	9,523	303
203	Canning, preserving, and freezing	20	570	1,700	415	911	2,966	175
205	Bakery products	68	4,682	12,381	3,189	7,453	22,755	1,250
207	Confectionery and related products	27	4,133	9,941	3,656	6,605	19,905	1,495
208	Beverages	37	826	2,330	502	1,328	4,903	415
209	Miscellaneous food preparations	41	739	1,757	632	1,306	4,556	240
21	Tobacco manufactures	4	11	16	11	16	38	----------
22	Textile mill products	118	18,661	45,166	17,093	38,232	80,663	4,862
221	Woolen and worsted manufactures	37	9,542	23,766	9,043	21,486	40,542	2,634
222	Yarn and thread mills, except wool	7	728	1,643	626	1,139	2,867	10
223	Cotton and rayon broad-woven fabrics	4	3,448	8,265	3,142	6,777	16,760	1,027
225	Knitting mills	20	1,943	4,072	1,633	2,884	6,166	377
229	Miscellaneous textile goods	29	1,124	2,684	958	2,091	4,785	351
23	Apparel and related products	105	4,374	9,337	3,858	7,394	14,957	309
231	Men's and boys' suits and coats	10	758	1,787	699	1,473	2,321	80
232	Men's and boys' furnishings	14	481	956	420	733	1,388	12
233	Women's and misses' outerwear	19	727	1,488	677	1,229	2,207	34
238	Miscellaneous apparel and accessories	12	579	1,208	486	897	1,761	10
239	Miscellaneous fabricated textiles	41	1,068	2,353	871	1,669	4,817	133
24	Lumber and products, except furniture	66	1,188	3,575	1,045	2,923	4,263	165
243	Millwork and related products	27	393	1,171	322	807	1,698	28
25	Furniture and fixtures	90	2,342	6,390	2,029	4,719	10,895	230
251	Household furniture	56	1,817	5,026	1,570	3,646	9,016	156
252	Office furniture	3	164	427	151	344	499	6
254	Partitions and fixtures	12	153	429	134	361	623	14
256	Screens, shades, and blinds	14	153	374	126	254	568	47
26	Paper and allied products	66	8,633	22,046	7,066	16,943	49,539	3,478
261	Pulp, paper, and paperboard	6	822	2,643	730	2,216	5,314	527
267	Paperboard containers and boxes	29	2,992	7,584	2,607	5,909	17,300	1,884
269	Pulp goods and misc. paper products	23	4,189	10,293	3,200	7,665	23,989	949
27	Printing and publishing industries	172	4,736	13,231	3,840	9,803	22,690	1,099
271	Newspapers	39	635	1,742	432	1,082	3,159	80
275	Commercial printing	89	1,829	5,288	1,451	3,710	7,388	327
278	Bookbinding and related industries	13	398	871	349	691	1,255	54
28	Chemicals and allied products	124	7,928	24,811	5,555	15,136	70,345	6,876
282	Industrial organic chemicals	10	338	1,086	248	704	3,616	195
283	Drugs and medicines	10	281	673	147	248	1,616	40
284	Soap and related products	29	2,106	7,196	1,567	4,452	27,607	612
285	Paints and allied products	16	828	2,821	543	1,370	6,712	287
289	Miscellaneous chemical products	42	2,674	8,137	1,835	4,804	20,587	1,784
29	Petroleum and coal products	12	1,637	(d)	1,311	(d)	(d)	(d)
30	Rubber products	22	11,978	32,597	9,306	23,198	56,731	2,373
31	Leather and leather products	103	10,345	25,387	9,350	20,986	44,280	1,066
311	Leather tanning and finishing	12	1,942	6,225	1,851	5,588	15,661	649
313	Footwear cut stock	22	591	1,309	485	939	2,419	53
314	Footwear (except rubber)	56	7,645	17,482	6,876	14,197	25,501	333
32	Stone, clay, and glass products	49	1,710	4,911	1,345	3,260	7,354	715
327	Concrete and plaster products	23	318	929	280	740	2,111	190
329	Misc. nonmetallic mineral products	10	687	1,577	600	1,218	3,826	347
33	Primary metal industries	44	2,100	6,161	1,874	5,102	8,698	1,245
332	Iron and steel foundries	10	1,043	3,153	951	2,760	5,013	741
336	Nonferrous foundries	20	333	937	300	792	1,164	9
34	Fabricated metal products	162	5,744	16,266	4,783	12,108	28,015	1,292
342	Cutlery, hand tools, and hardware	18	453	1,290	325	795	2,659	170
343	Heating and plumbing equipment	7	282	815	228	633	1,268	103
344	Structural metal products	56	1,709	5,390	1,366	3,811	8,829	374
346	Metal stamping and coating	42	1,415	3,564	1,246	2,750	5,492	235
347	Lighting fixtures	8	235	699	182	404	1,219	29
349	Miscellaneous fabricated metal products	21	1,258	3,686	1,107	3,067	6,479	327

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

No.	Industry group: Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	MIDDLESEX COUNTY—Continued							
35	Machinery (except electrical)	169	6,556	$19,420	5,073	$13,903	$31,746	$947
354	Metalworking machinery	36	1,201	3,674	930	2,704	5,426	155
355	Special-industry machinery, n.e.c.	50	2,040	5,880	1,614	4,316	9,291	398
356	General industrial machinery	26	1,739	5,506	1,309	3,784	10,652	204
359	Miscellaneous machinery parts	47	1,277	3,466	993	2,507	4,861	114
36	Electrical machinery	50	11,747	31,311	8,768	19,537	46,594	1,888
361	Electrical industrial apparatus	18	2,834	7,105	2,442	5,290	11,149	564
366	Communication equipment	23	7,142	19,195	4,881	10,912	25,246	890
37	Transportation equipment	21	6,712	(d)	5,114	(d)	(d)	(d)
38	Instruments and related products	34	4,455	11,544	3,775	8,815	17,640	380
382	Mechanical measuring instruments	8	317	830	204	482	1,693	22
384	Medical instruments and supplies	11	612	1,587	465	1,012	2,803	43
39	Miscellaneous manufactures	107	3,830	9,654	3,252	7,218	17,748	771
391	Jewelry and silverware	11	132	291	112	197	386	7
394	Toys and sporting goods	16	383	515	360	417	708	23
397	Plastics products, n.e.c.	19	928	2,316	757	1,475	3,594	293
399	Miscellaneous manufactures	40	756	1,939	649	1,494	3,118	100
	NORFOLK COUNTY							
	All industries, total [1]	463	29,249	$83,541	23,646	$61,344	$139,294	$8,613
20	Food and kindred products	56	758	1,586	479	924	3,395	217
205	Bakery products	16	275	516	154	323	857	38
209	Miscellaneous food preparations	9	162	425	111	234	975	8
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	58	4,949	14,084	4,365	11,115	22,341	1,767
221	Woolen and worsted manufactures	10	905	2,325	822	1,837	2,814	529
225	Knitting mills	14	785	1,874	721	1,548	3,362	493
226	Finishing textiles, except wool	5	1,111	3,138	949	2,517	3,783	253
229	Miscellaneous textile goods	22	1,225	3,837	1,060	2,813	7,302	302
23	Apparel and related products	25	610	1,229	546	971	1,999	109
239	Miscellaneous fabricated textiles	8	128	293	114	247	383	35
24	Lumber and products, except furniture	16	400	1,090	344	846	1,459	41
249	Miscellaneous wood products	5	221	635	194	513	960	18
25	Furniture and fixtures	4	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	10	1,415	4,544	1,215	3,608	9,018	500
27	Printing and publishing industries	52	1,844	5,219	1,611	4,547	8,065	242
271	Newspapers	17	371	1,076	238	708	1,779	63
275	Commercial printing	21	128	300	102	223	562	33
28	Chemicals and allied products	17	709	2,211	510	1,400	10,589	211
29	Petroleum and coal products	5	724	2,675	629	2,246	7,760	539
30	Rubber products	10	2,704	6,809	2,332	5,461	13,800	1,749
309	Rubber industries, n.e.c.	10	2,704	6,809	2,332	5,461	13,800	1,749
31	Leather and leather products	23	3,218	7,949	2,890	6,653	10,639	268
32	Stone, clay, and glass products	45	667	1,759	537	1,305	3,346	271
328	Cut-stone and stone products	26	242	650	199	542	1,250	58
329	Miscellaneous nonmetallic mineral products	7	367	978	285	647	1,829	142
33	Primary metal industries	13	414	1,251	386	1,138	1,830	54
332	Iron and steel foundries	8	360	1,088	339	1,013	1,553	54
34	Fabricated metal products	26	1,693	4,452	1,443	3,267	5,968	197
342	Cutlery, hand tools, and hardware	4	137	405	128	288	642	28
344	Structural metal products	8	222	729	186	444	1,079	20
35	Machinery (except electrical)	48	2,794	9,215	2,068	6,336	13,847	1,425
354	Metalworking machinery	12	440	1,494	331	1,034	2,360	150
355	Special-industry machinery, n.e.c.	16	962	3,113	746	2,243	5,077	639
356	General industrial machinery	7	1,298	4,311	912	2,805	5,979	620
36	Electrical machinery	10	639	1,401	498	908	2,123	(d)
37	Transportation equipment	4	3,166	(d)	1,875	(d)	(d)	(d)
38	Instruments and related products	12	1,571	(d)	1,060	(d)	(d)	(d)
39	Miscellaneous manufactures	28	869	1,896	766	1,523	3,025	109
399	Miscellaneous manufactures	10	277	570	251	473	851	40
	PLYMOUTH COUNTY							
	All industries, total [1]	414	21,647	$52,438	18,697	$40,985	$89,236	$3,320
20	Food and kindred products	43	1,190	3,025	790	1,683	6,311	827
202	Dairy products	6	221	543	152	302	1,251	197
205	Bakery products	13	389	1,089	201	462	1,824	116
22	Textile mill products	15	2,153	5,571	1,848	4,169	11,545	838
224	Narrow fabric mills	4	180	400	164	314	579	14
23	Apparel and related products	31	892	1,801	804	1,471	2,795	86
233	Women's and misses' outerwear	13	294	630	275	550	1,039	13
239	Miscellaneous fabricated textiles	8	156	316	135	232	495	52
24	Lumber and products, except furniture	25	580	1,404	516	1,157	2,356	72
242	Lumber and timber basic products	12	120	217	109	196	383	14
244	Wooden containers	6	113	227	107	215	417	31
249	Miscellaneous wood products	7	347	960	300	746	1,556	27
25	Furniture and fixtures	3	124	(d)	105	(d)	(d)	(d)
26	Paper and allied products	8	289	755	236	560	1,039	88
27	Printing and publishing industries	36	588	1,348	417	890	2,052	62
271	Newspapers	8	247	701	142	380	960	17
275	Commercial printing	22	279	499	227	400	865	45

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	PLYMOUTH COUNTY—Continued							
28	Chemicals and allied products	19	130	$353	91	$194	$711	$8
30	Rubber products	6	145	(d)	121	(d)	(d)	(d)
31	Leather and leather products	118	11,880	28,221	10,566	22,930	45,600	728
313	Footwear cut stock	67	1,948	4,949	1,707	3,790	11,860	255
314	Footwear (except rubber)	44	9,855	23,132	8,788	19,031	33,460	471
32	Stone, clay, and glass products	14	352	857	313	635	2,103	68
33	Primary metal industries	12	747	2,236	667	1,810	3,839	80
332	Iron and steel foundries	6	534	1,608	477	1,332	2,493	65
34	Fabricated metal products	26	850	2,072	722	1,645	3,720	176
348	Fabricated wire products	5	295	730	266	616	1,242	58
349	Miscellaneous fabricated metal products	4	234	605	182	440	924	52
35	Machinery (except electrical)	28	764	2,092	649	1,674	3,806	111
355	Special-industry machinery, n.e.c.	15	651	1,795	553	1,434	3,334	98
36	Electrical machinery	8	353	729	275	478	1,015	7
37	Transportation equipment	6	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	15	545	1,214	518	1,106	1,237	137
399	Miscellaneous manufactures	9	453	1,043	441	984	789	114
	SUFFOLK COUNTY							
	All industries, total [1]	2,982	107,257	$294,018	84,067	$200,346	$572,645	$21,703
20	Food and kindred products	337	15,196	40,308	11,085	25,161	84,550	5,224
201	Meat products	39	1,794	5,356	1,407	3,637	10,079	231
203	Canning, preserving, and freezing	20	687	1,852	546	1,381	3,860	150
204	Grain-mill products	8	336	803	209	404	968	64
205	Bakery products	81	3,191	8,271	1,966	4,451	12,807	527
207	Confectionery and related products	44	3,980	9,247	3,304	6,271	23,723	1,627
208	Beverages	43	1,995	5,875	1,232	3,245	13,043	1,299
209	Miscellaneous food preparations	78	1,289	3,489	868	1,851	9,261	341
21	Tobacco manufactures	15	275	(d)	240	(d)	(d)	(d)
22	Textile mill products	60	2,634	7,864	2,265	4,824	24,431	445
221	Woolen and worsted manufactures	19	563	2,920	372	943	14,002	51
222	Yarn and thread mills, except wool	3	254	558	231	461	1,183	9
224	Narrow fabric mills	4	182	400	167	318	1,134	9
225	Knitting mills	16	566	1,473	481	959	2,947	290
23	Apparel and related products	785	19,728	49,642	17,328	37,170	82,686	2,433
231	Men's and boys' suits and coats	92	5,146	14,781	4,561	11,399	23,201	1,682
232	Men's and boys' furnishings	134	2,735	6,291	2,346	4,313	10,094	180
233	Women's and misses' outerwear	292	6,531	16,688	5,778	12,930	29,402	198
234	Women's and children's undergarments	19	789	1,622	696	1,144	3,580	57
236	Children's outerwear	22	472	1,029	406	757	1,595	33
238	Miscellaneous apparel and accessories	45	1,578	3,861	1,385	2,836	5,481	89
239	Miscellaneous fabricated textiles	157	2,157	4,536	1,884	3,145	7,847	173
24	Lumber and products, except furniture	38	809	2,098	714	1,614	3,528	115
244	Wooden containers	10	298	741	266	605	1,424	19
249	Miscellaneous wood products	20	306	725	272	556	1,346	29
25	Furniture and fixtures	139	2,100	5,984	1,740	4,365	9,112	187
251	Household furniture	97	1,462	3,969	1,264	3,068	6,281	120
254	Partitions and fixtures	25	453	1,515	354	1,024	2,059	49
256	Screens, shades, and blinds	10	132	382	84	179	551	16
26	Paper and allied products	67	2,852	7,486	2,456	5,189	13,678	1,180
267	Paperboard	27	1,387	3,396	1,249	2,543	6,227	515
27	Printing and publishing industries	496	17,187	55,674	10,344	30,625	91,296	3,670
271	Newspapers	30	6,196	24,305	3,184	12,591	39,350	1,719
272	Periodicals	52	779	2,317	99	224	4,493	77
273	Books	33	1,136	3,374	152	427	7,414	106
274	Miscellaneous publishing	15	460	1,092	276	674	1,706	38
275	Commercial printing	219	3,334	9,514	2,717	7,118	15,382	848
276	Lithographing	26	1,417	4,508	1,083	2,885	6,422	308
277	Greeting cards	10	1,746	4,142	1,139	1,872	7,071	326
278	Bookbinding and related industries	52	811	1,784	684	1,375	2,735	55
279	Printing trades service industries	59	1,308	4,638	1,010	3,459	6,723	193
28	Chemicals and allied products	104	1,928	5,627	1,168	2,866	13,799	408
283	Drugs and medicines	18	171	435	123	247	943	6
285	Paints and allied products	13	543	1,591	276	660	3,470	72
288	Vegetable and animal oils	3	212	738	168	568	2,847	41
289	Miscellaneous chemical products	26	492	1,223	334	734	3,777	171
29	Petroleum and coal products	4	28	(d)	16	(d)	(d)	(d)
30	Rubber products	20	1,171	2,896	1,014	2,306	7,163	304
309	Rubber industries, n.e.c.	20	1,171	2,896	1,014	2,306	7,163	304
31	Leather and leather products	178	7,707	20,397	6,766	15,324	77,192	701
311	Leather tanning and finishing	21	306	1,328	198	495	47,130	60
313	Footwear cut stock	53	1,587	4,230	1,363	2,904	9,908	137
314	Footwear (except rubber)	52	5,074	13,241	4,557	10,745	17,583	481
316	Luggage	12	148	349	127	249	582	3
317	Handbags and small leather goods	26	497	1,072	437	781	1,599	19
32	Stone, clay, and glass products	48	1,275	3,133	1,067	2,355	7,128	227
323	Products of purchased glass	15	219	620	166	433	1,071	16
329	Miscellaneous nonmetallic mineral products	16	798	1,900	687	1,435	4,370	50
33	Primary metal industries	40	1,913	5,686	1,604	4,531	8,901	777
332	Iron and steel foundries	8	1,119	3,353	947	2,833	4,717	374
339	Miscellaneous primary metal industries	8	339	1,007	280	745	2,251	350

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	SUFFOLK COUNTY—Continued							
34	Fabricated metal products	207	8,189	$22,586	6,672	$16,138	$48,473	$1,591
341	Tin cans and other tinware	4	340	828	298	664	1,268	62
342	Cutlery, hand tools, and hardware	21	4,904	13,163	3,933	9,391	33,145	1,187
343	Heating and plumbing equipment	18	234	631	178	391	685	29
344	Structural metal products	70	1,429	4,342	1,194	3,116	6,755	137
346	Metal stamping and coating	48	459	1,151	412	980	1,967	59
347	Lighting fixtures	20	466	1,406	361	876	2,910	52
348	Fabricated wire products	9	108	296	83	195	540	33
349	Miscellaneous fabricated metal products	17	249	769	213	525	1,203	32
35	Machinery (except electrical)	176	9,655	27,060	7,148	18,778	41,822	1,858
354	Metalworking machinery	22	531	1,526	435	1,137	2,071	39
355	Special-industry machinery, n.e.c.	52	1,863	5,346	1,381	3,850	8,475	218
356	General industrial machinery	32	3,948	11,269	2,770	7,588	16,815	1,099
358	Service and household machines	16	466	1,366	304	750	2,700	93
359	Miscellaneous machinery parts	48	2,763	7,323	2,193	5,294	11,385	409
36	Electrical machinery	42	5,253	12,718	4,302	9,646	20,081	1,236
366	Communication equipment	11	763	1,777	575	1,226	2,314	100
369	Miscellaneous electrical products	8	119	266	80	186	602	13
37	Transportation equipment	15	2,975	8,620	2,566	6,925	10,473	304
38	Instruments and related products	52	2,648	6,621	2,318	5,443	12,000	476
381	Scientific instruments	5	224	682	183	493	1,134	221
382	Mechanical measuring instruments	9	666	1,743	550	1,314	3,045	57
384	Medical instruments and supplies	29	404	882	348	712	1,068	23
39	Miscellaneous manufactures	159	3,734	8,938	3,254	6,627	14,827	523
391	Jewelry and silverware	23	172	500	143	383	766	7
393	Musical instruments and parts	6	260	653	223	509	787	6
394	Toys and sporting goods	20	286	598	254	430	924	10
395	Office supplies	15	190	485	137	292	718	18
396	Costume jewelry and notions	12	188	343	166	259	761	14
397	Plastics products, n.e.c.	18	598	1,400	514	981	1,927	100
399	Miscellaneous manufactures	65	2,040	4,959	1,817	3,773	8,944	368
	WORCESTER COUNTY							
	All industries, total [1]	**1,334**	**117,248**	**$324,023**	**100,077**	**$255,211**	**$534,227**	**$37,614**
20	Food and kindred products	128	2,668	7,134	1,678	3,633	11,002	1,435
201	Meat products	17	541	1,035	344	678	1,678	208
202	Dairy products	7	120	309	69	144	626	94
204	Grain-mill products	5	161	386	117	256	718	28
205	Bakery products	49	1,212	3,718	715	1,684	4,860	631
208	Beverages	26	379	1,005	222	488	1,803	384
209	Miscellaneous food preparations	20	248	496	134	256	925	67
21	Tobacco manufactures	6	24	32	24	32	51	----------
22	Textile mill products	128	18,084	47,944	16,574	41,211	83,102	8,218
221	Woolen and worsted manufactures	58	9,962	26,394	9,293	23,137	45,287	6,174
222	Yarn and thread mills, except wool	7	1,111	3,319	1,052	2,717	5,553	370
223	Cotton and rayon broad-woven fabrics	7	1,992	4,793	1,831	4,245	8,836	668
224	Narrow fabric mills	7	226	560	199	429	917	64
226	Finishing textiles, except wool	5	1,405	3,952	1,233	3,375	6,621	312
229	Miscellaneous textile goods	23	1,147	3,469	978	2,576	6,159	504
23	Apparel and related products	84	4,036	7,647	3,652	5,961	12,845	367
232	Men's and boys' furnishings	21	1,479	3,033	1,375	2,456	4,600	132
233	Women's and misses' outerwear	22	666	1,035	626	856	2,083	68
24	Lumber and products, except furniture	60	1,263	2,890	1,149	2,240	4,825	147
243	Millwork and related products	12	207	535	179	394	864	38
244	Wooden containers	14	734	1,627	675	1,186	2,785	69
249	Miscellaneous wood products	19	243	561	218	505	849	23
25	Furniture and fixtures	112	4,941	12,642	4,297	10,099	23,493	981
26	Paper and allied products	47	5,091	15,211	4,480	12,131	31,525	4,409
261	Pulp, paper, and paperboard	8	2,289	7,366	2,052	5,972	14,898	(d)
264	Paper coating and glazing	5	675	2,072	587	1,675	5,043	361
269	Pulp goods and misc. paper products	15	707	2,096	630	1,633	5,594	251
27	Printing and publishing industries	108	3,227	8,446	2,279	5,376	15,869	469
271	Newspapers	20	957	2,778	472	1,312	5,198	104
275	Commercial printing	59	592	1,448	471	996	2,846	80
278	Bookbinding and related industries	7	906	2,284	790	1,894	3,956	136
28	Chemicals and allied products	28	489	1,067	405	751	3,087	398
283	Drugs and medicines	7	287	499	242	371	1,155	240
29	Petroleum and coal products	4	103	(d)	64	(d)	(d)	(d)
30	Rubber products	6	826	(d)	753	(d)	(d)	(d)
31	Leather and leather products	68	8,091	17,422	7,314	14,140	28,725	1,280
311	Leather tanning and finishing	5	484	1,238	408	1,003	2,138	68
313	Footwear cut stock	11	332	781	289	585	1,757	38
314	Footwear (except rubber)	36	6,104	12,970	5,594	10,506	18,706	409
32	Stone, clay, and glass products	27	5,220	17,370	3,930	12,403	30,117	3,640
33	Primary metal industries	43	8,540	28,016	7,010	21,855	35,415	2,617
332	Iron and steel foundries	18	1,134	3,368	1,045	2,981	5,140	361
336	Nonferrous foundries	8	173	472	144	382	942	(d)
34	Fabricated metal products	142	11,306	33,187	9,750	27,393	55,425	3,127
342	Cutlery, hand tools, and hardware	32	4,127	12,543	3,644	11,030	23,474	1,516
343	Heating and plumbing equipment	3	914	2,876	776	2,380	5,790	218
344	Structural metal products	24	392	1,195	332	885	1,979	71
346	Metal stamping and coating	40	1,596	4,242	1,395	3,186	6,873	478
349	Miscellaneous fabricated metal products	25	2,214	7,098	1,839	5,629	9,820	500
35	Machinery (except electrical)	182	26,668	81,049	21,605	61,484	123,215	6,670
354	Metalworking machinery	55	7,714	24,907	5,930	16,992	35,818	1,524
357	Office and store machines	3	605	1,864	363	1,072	4,182	61
358	Service and household machines	3	139	354	105	267	901	16
359	Miscellaneous machinery parts	24	221	557	202	505	951	41

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		WORCESTER COUNTY—Continued						
36	Electrical machinery	12	1,739	$3,363	1,545	$2,512	$5,084	$1,378
37	Transportation equipment	8	1,566	(d)	1,250	(d)	(d)	(d)
38	Instruments and related products	18	5,123	12,651	4,951	11,826	27,784	699
39	Miscellaneous manufactures	123	8,243	20,575	7,367	16,230	33,019	1,238
391	Jewelry and silverware	7	139	388	122	308	635	13
394	Toys and sporting goods	31	3,272	9,227	2,959	7,386	14,815	438
396	Costume jewelry and notions	8	143	283	130	230	297	33
397	Plastics products, n.e.c.	41	3,084	7,215	2,745	5,586	11,083	413
399	Miscellaneous manufactures	32	1,470	3,176	1,309	2,501	5,586	200

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles): 20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State:	10,524	1,230	41	636	1,310	410	420	338	1,167	416	30	89	990	274	235	824	939	182	115	144	734
1-19 employees	6,419	875	40	204	776	316	280	110	908	309	19	42	431	209	103	522	588	78	59	78	472
20-99 employees	2,790	261	------	203	431	82	124	133	200	72	7	20	361	52	96	219	231	44	40	40	174
100 employees and over	1,315	94	1	229	103	12	16	95	59	35	4	27	198	13	36	83	120	60	16	26	88
Barnstable:																					
1-19 employees	31	6	------	------	------	5	------	------	7	1	------	------	------	3	------	1	------	------	6	1	1
20-99 employees	10	2	------	------	1	------	------	------	1	------	------	------	------	------	1	1	------	------	2	1	1
100 employees and over	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Berkshire:																					
1-19 employees	106	32	1	1	2	23	3	4	16	------	------	------	1	5	2	7	4	2	------	------	3
20-99 employees	31	4	------	2	2	1	------	3	5	1	------	------	3	4	------	1	3	------	------	1	1
100 employees and over	41	1	------	16	1	------	------	9	1	1	------	------	3	------	1	------	2	3	------	2	1
Bristol:																					
1-19 employees	546	86	1	33	52	23	8	10	43	19	3	2	8	15	13	64	59	3	8	2	94
20-99 employees	299	17	------	45	83	12	3	10	6	3	------	3	9	8	11	14	15	2	6	2	50
100 employees and over	169	5	------	52	34	1	1	4	4	3	------	3	5	------	1	9	10	5	------	3	29
Dukes:																					
1-19 employees	8	3	------	------	------	1	------	------	2	------	------	------	------	1	------	------	------	------	1	------	------
Essex:																					
1-19 employees	780	99	4	16	28	35	24	7	77	54	1	6	208	24	7	40	76	7	20	4	43
20-99 employees	335	30	------	11	11	11	5	4	9	7	1	3	177	2	5	16	20	4	9	2	8
100 employees and over	165	9	------	26	6	------	1	6	1	4	------	1	68	------	1	7	14	15	3	------	3
Franklin:																					
1-19 employees	78	11	------	------	------	28	2	2	7	1	------	------	1	3	2	4	10	------	1	1	5
20-99 employees	24	2	------	------	2	1	------	1	2	1	------	------	2	------	3	3	5	1	------	------	1
100 employees and over	19	------	------	2	------	------	------	6	------	------	------	------	1	------	------	4	3	------	------	------	3
Hampden:																					
1-19 employees	444	66	9	6	21	24	17	16	78	15	------	1	3	19	12	50	66	7	2	5	27
20-99 employees	206	20	------	15	22	6	5	25	19	6	------	3	6	5	11	19	25	3	1	------	15
100 employees and over	122	6	------	15	8	4	1	22	10	3	------	1	1	1	9	11	13	5	2	1	9
Hampshire:																					
1-19 employees	96	20	------	4	1	28	1	2	13	3	------	------	------	3	2	5	8	2	------	1	3
20-99 employees	36	5	------	3	5	2	------	5	1	------	------	1	1	------	2	4	4	1	------	------	2
100 employees and over	25	------	------	10	1	------	1	4	------	1	------	1	3	------	------	1	------	------	------	------	3
Middlesex:																					
1-19 employees	1,017	163	4	34	57	48	57	17	138	80	7	12	32	34	24	86	104	22	7	18	73
20-99 employees	486	46	------	41	36	18	29	31	26	30	3	1	37	11	15	61	46	12	10	9	24
100 employees and over	255	31	------	43	12	1	4	18	8	15	2	10	34	3	5	15	19	16	4	8	7
Nantucket:																					
1-19 employees	2	1	------	------	------	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------
Norfolk:																					
1-19 employees	291	43	1	23	16	9	3	2	46	11	2	3	7	38	6	16	31	6	1	7	20
20-99 employees	110	12	------	20	8	6	1	3	2	4	1	2	5	6	7	8	10	3	2	3	7
100 employees and over	62	------	------	15	1	1	------	5	5	2	2	5	10	1	------	2	7	1	1	2	2
Plymouth:																					
1-19 employees	260	29	------	4	19	16	1	4	30	18	------	4	61	10	4	16	21	6	5	1	11
20-99 employees	98	11	------	5	11	9	2	3	4	1	------	2	25	3	6	7	4	1	1	------	3
100 employees and over	56	3	------	5	1	------	------	1	2	------	------	------	33	1	2	3	3	1	------	------	1
Suffolk:																					
1-19 employees	2,038	224	14	39	538	28	102	34	372	83	4	11	92	34	18	149	118	20	3	31	124
20-99 employees	759	81	------	15	217	8	37	26	99	16	------	5	71	10	18	48	43	13	8	15	29
100 employees and over	185	34	1	7	30	1	------	7	24	5	------	3	15	3	4	10	16	9	4	6	6
Worcester:																					
1-19 employees	722	92	6	44	42	48	62	12	78	24	2	3	18	20	13	84	91	3	5	7	68
20-99 employees	396	31	------	46	33	8	42	22	26	3	2	------	25	3	17	37	56	4	1	7	33
100 employees and over	216	5	------	38	9	4	8	13	4	1	------	3	25	4	13	21	33	5	2	4	24

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	MAJOR INDUSTRY GROUP: Title	All establishments: Salaries and wages, total	All establishments: Number of employees (average for the year)	Establishments reporting employment by month: Number of employees: Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$1,923,141**	**718,441**	**707,563**	**722,449**	**725,660**	**721,232**	**710,723**	**697,011**	**688,067**	**669,663**	**687,340**	**702,575**	**715,510**	**724,208**	**726,316**
20	Food and kindred products	116,505	44,194	42,808	40,711	40,419	40,573	40,133	41,908	42,411	42,827	44,375	44,607	45,252	45,736	44,741
21	Tobacco manufactures	729	377	355	400	395	351	307	290	331	327	369	372	404	357	354
22	Textile mill products	323,935	130,274	130,158	134,925	135,695	134,556	130,644	128,808	127,462	122,179	124,148	127,487	130,022	132,023	133,948
23	Apparel and related products	102,569	47,465	45,477	44,211	45,569	45,756	44,586	42,996	42,372	41,955	45,661	47,002	48,833	48,756	47,926
24	Lumber and products, exc. furniture	18,660	7,420	6,989	6,952	6,944	7,081	7,161	7,184	7,091	7,054	7,116	7,051	6,806	6,738	6,690
25	Furniture and fixtures	29,614	11,078	10,253	10,701	10,340	10,164	9,980	9,710	9,657	9,213	9,935	10,318	10,786	11,027	11,201
26	Paper and allied products	95,915	34,868	34,850	35,972	35,829	35,735	35,446	34,743	34,497	33,146	33,836	34,335	34,518	34,980	35,160
27	Printing and publishing industries	102,131	34,564	34,343	33,581	33,740	34,144	34,217	34,199	34,196	33,601	34,033	34,262	34,975	35,586	35,525
28	Chemicals and allied products	54,791	17,983	17,648	17,351	17,461	17,662	17,737	17,912	17,637	17,492	17,358	17,741	17,919	17,707	17,800
29	Petroleum and coal products	8,829	2,540	2,540	2,440	2,438	2,441	2,482	2,536	2,588	2,613	2,638	2,608	2,600	2,567	2,531
30	Rubber products	75,571	26,409	26,337	28,685	28,688	28,248	27,812	26,694	24,567	23,840	23,474	24,943	26,024	26,345	26,720
31	Leather and leather products	170,740	70,892	69,819	68,992	70,644	71,790	69,077	63,546	62,589	65,836	70,042	73,040	74,257	73,902	74,108
32	Stone, clay, and glass products	31,641	10,544	10,365	10,804	10,832	10,748	10,606	10,718	10,501	10,327	10,203	10,002	9,852	9,867	9,921
33	Primary metal industries	61,865	19,796	19,620	20,046	19,998	19,735	20,100	19,597	19,543	18,881	19,136	19,339	19,681	19,611	19,779
34	Fabricated metal products	115,578	41,014	39,937	41,639	41,529	41,571	40,859	40,700	39,544	37,995	38,433	38,768	39,085	39,458	39,666
35	Machinery (except electrical)	261,239	86,818	85,706	87,281	87,978	87,941	87,223	86,021	85,437	83,283	83,630	84,491	85,017	84,857	85,310
36	Electrical machinery	146,913	55,804	55,442	61,035	60,806	56,613	55,966	54,351	53,700	51,346	52,838	53,808	54,247	55,204	55,390
37	Transportation equipment	57,284	18,281	18,135	19,426	19,178	19,398	19,928	19,691	19,553	14,783	14,674	14,967	15,705	19,517	20,805
38	Instruments and related products	42,898	16,729	16,444	16,535	16,691	16,694	16,670	16,741	16,497	16,004	16,096	16,286	16,386	16,433	16,301
39	Miscellaneous manufactures	105,734	41,391	40,337	40,762	40,386	40,031	39,789	38,666	37,894	36,961	39,285	41,148	43,141	43,537	42,440

TABLE 9.—DETAILED STATISTICS FOR THE STATE, AND ITS STANDARD METROPOLITAN AREAS AND PRINCIPAL INDUSTRIAL COUNTIES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State	Standard metropolitan areas [1]: Boston	Fall River–New Bedford	Springfield–Holyoke	Worcester	Principal industrial counties: Berkshire	Bristol	Essex	Hampden	Middlesex
ALL ESTABLISHMENTS										
Number of establishments	10,524	5,408	588	831	702	178	1,014	1,280	772	1,758
Number of employees (average for the year)	718,441	271,365	62,572	81,598	53,251	28,223	89,221	104,447	74,167	128,675
Salaries and wages, total	$1,923,141	$753,037	$142,422	$233,624	$153,583	$77,954	$212,684	$271,342	$213,978	$364,174
Value added by manufacture	$3,370,094	$1,391,805	$244,346	$371,902	$241,917	$136,878	$366,182	$468,362	$346,414	$636,236
Establishments by employment size group:										
1–4 employees	2,829	1,540	136	205	175	43	250	345	184	444
5–9 employees	1,840	1,030	74	151	100	35	144	232	139	293
10–19 employees	1,750	967	99	127	120	28	152	203	121	280
20–49 employees	1,845	967	91	139	144	23	172	224	136	323
50–99 employees	945	439	79	77	66	8	127	111	70	163
100–249 employees	747	281	63	69	51	13	100	103	65	136
250–499 employees	304	104	12	27	27	17	24	30	24	74
500–999 employees	158	42	17	20	12	7	26	17	19	26
1,000–2,499 employees	81	26	17	12	5	3	19	7	11	14
2,500 employees and over	25	12	----------	4	2	1	----------	8	3	5
ESTABLISHMENTS REPORTING DETAILED STATISTICS										
Number of establishments	8,019	4,036	467	637	570	133	786	957	591	1,369
Number of employees (average for the year)	705,726	264,683	61,815	80,557	52,667	28,025	87,901	102,590	73,168	126,836
Salaries and wages, total	$1,897,449	$738,847	$141,197	$231,424	$152,488	$77,568	$210,403	$267,585	$211,881	$341,817
Value added by manufacture	$3,327,762	$1,368,767	$242,219	$368,196	$240,169	$136,249	$362,182	$462,151	$342,842	$630,182
Number of employees for pay period ended nearest Oct. 15:										
All employees	708,988	263,374	62,560	79,797	52,459	28,301	89,399	105,086	72,974	123,229
Male	468,571	175,785	34,109	55,847	38,798	19,687	52,174	67,068	51,972	82,330
Female	240,417	87,589	28,451	23,950	13,661	8,614	37,225	38,018	21,002	40,899
Production workers	592,284	207,734	57,422	65,468	42,560	22,779	80,271	90,851	59,663	100,255
Male	394,799	140,077	30,909	46,749	32,350	16,153	46,724	58,240	43,402	67,518
Female	197,485	67,657	26,513	18,719	10,210	6,626	33,547	32,611	16,261	32,737
Force-account construction workers	369	91	30	51	19	69	30	64	52	83
Administrative, supervisory, sales, and all other	116,335	55,549	5,108	14,278	9,880	5,453	9,098	14,171	13,259	22,891
Male	73,404	35,617	3,170	9,047	6,430	3,465	5,420	8,764	8,518	14,729
Female	42,931	19,932	1,938	5,231	3,450	1,988	3,678	5,407	4,741	8,162
Expenditures for plant and equipment:										
New plant and equipment	$198,985	$72,932	$12,541	$29,993	$17,661	$11,559	$20,485	$21,351	$27,808	$40,517
Construction and major alteration of fixed plants	52,426	18,389	2,342	8,253	5,732	3,161	4,342	5,099	8,432	10,633
Buildings	47,316	16,152	1,805	7,309	5,538	2,977	3,603	4,933	7,320	9,174
Other construction	5,110	2,237	537	944	194	184	739	166	1,112	1,459
Machinery and equipment	146,559	54,543	10,199	21,740	11,929	8,398	16,143	16,252	19,376	29,884
Production machinery and equipment	128,340	46,167	9,426	19,262	10,147	7,568	14,806	14,063	17,077	25,798
Other machinery and equipment	18,219	8,376	773	2,478	1,782	830	1,337	2,189	2,299	4,086
Used plant and equipment and land	16,944	4,861	625	3,238	2,133	208	1,061	1,121	2,700	4,821

See footnote at end of table.

TABLE 9.—DETAILED STATISTICS FOR THE STATE, AND ITS STANDARD METROPOLITAN AREAS AND PRINCIPAL INDUSTRIAL COUNTIES: 1947—Continued

ITEM	Principal industrial counties—Continued			
	Norfolk	Plymouth	Suffolk	Worcester
ALL ESTABLISHMENTS				
Number of establishments	463	414	2,982	1,334
Number of employees (average for the year)	29,249	21,647	107,257	117,248
Salaries and wages, total	$83,541	$52,438	$294,018	$324,023
Value added by manufacture	$139,294	$89,236	$572,645	$534,227
Establishments by employment size group:				
1–4 employees	141	108	877	330
5–9 employees	88	67	589	193
10–19 employees	62	85	572	199
20–49 employees	71	59	536	257
50–99 employees	39	39	223	139
100–249 employees	31	37	123	113
250–499 employees	20	13	34	56
500–999 employees	7	5	16	31
1,000–2,499 employees	3	1	10	11
2,500 employees and over	1	----------	2	5
ESTABLISHMENTS REPORTING DETAILED STATISTICS				
Number of establishments	350	319	2,205	1,070
Number of employees (average for the year)	28,776	21,236	103,407	115,954
Salaries and wages, total	$82,603	$51,689	$286,127	$321,690
Value added by manufacture	$137,558	$87,969	$559,294	$530,248
Number of employees for pay period ended nearest Oct. 15:				
All employees	27,690	21,590	105,404	117,747
Male	20,215	13,642	65,403	84,182
Female	7,475	7,948	40,001	33,565
Production workers	22,150	18,731	82,109	100,338
Male	16,579	11,992	50,686	73,012
Female	5,571	6,739	31,423	27,326
Force-account construction workers	11	10	20	21
Administrative, supervisory, sales, and all other	5,529	2,849	23,275	17,388
Male	3,630	1,640	14,697	11,150
Female	1,899	1,209	8,578	6,238
Expenditures for plant and equipment:				
New plant and equipment	$8,613	$3,320	$21,703	$37,614
Construction and major alteration of fixed plants	3,319	786	3,648	11,835
Buildings	2,791	587	3,362	11,431
Other construction	528	199	286	404
Machinery and equipment	5,294	2,534	18,055	25,779
Production machinery and equipment	4,595	2,022	15,243	22,871
Other machinery and equipment	699	512	2,812	2,908
Used plant and equipment and land	908	161	1,961	3,245

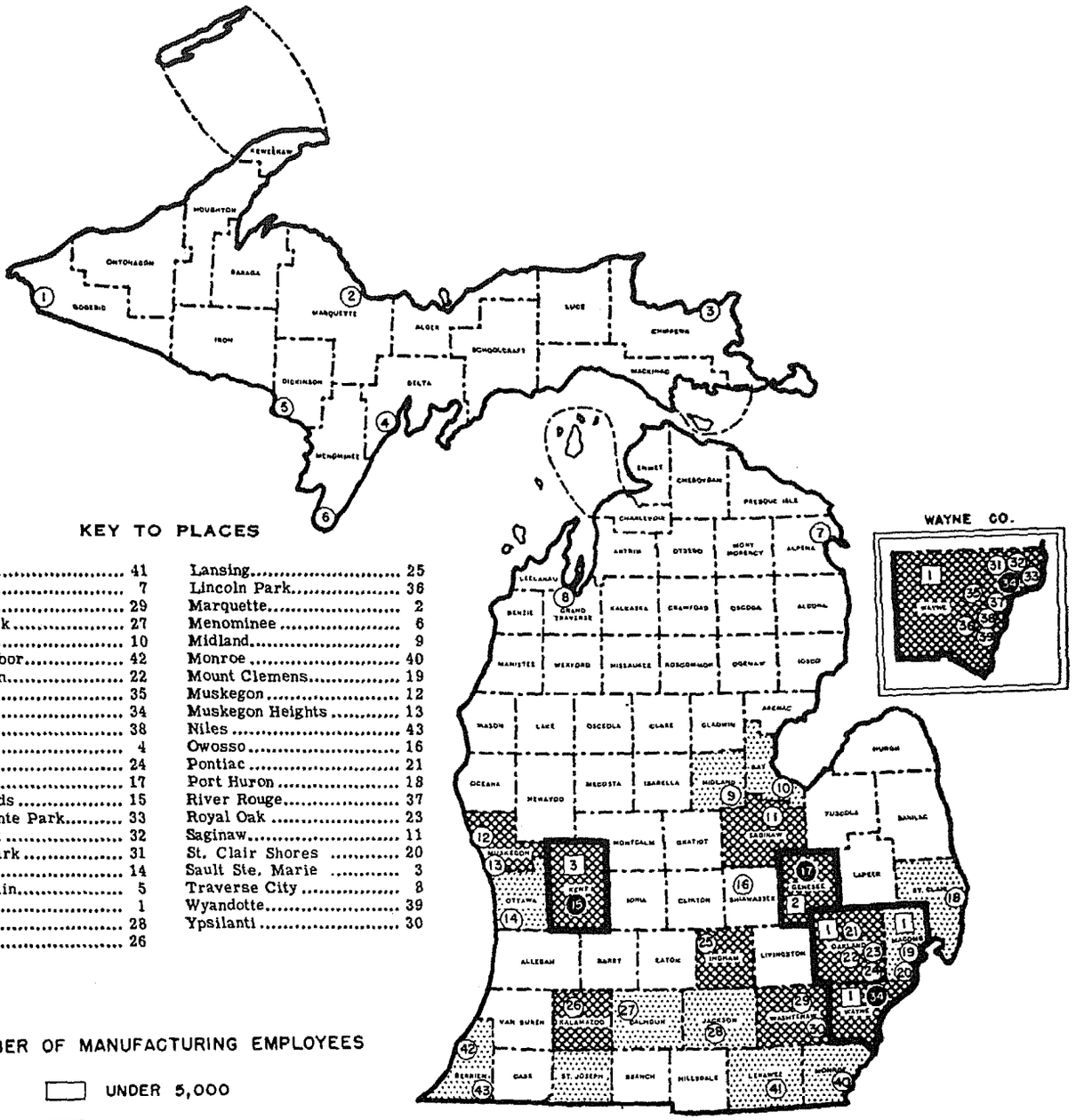
[1] Detailed statistics for the *Providence Metropolitan Area* (which includes nine cities and towns in Massachusetts), are shown in table 9 for the State of *Rhode Island*.

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	10,669	4,451	3,649	1,823	359	251	136	145	448
Van	1,333	----------	616	501	114	73	29	----------	----------
Stake or platform	2,212	290	1,033	610	134	105	40	----------	----------
Panel or light delivery	4,673	3,733	940	----------	----------	----------	----------	----------	----------
All other	2,451	428	1,060	712	111	73	67	----------	----------
Truck tractors	337	7	35	36	58	79	122	----------	----------
Trailers and semitrailers	502	----------	----------	----------	----------	----------	----------	44	8

MICHIGAN

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Adrian	41	Lansing	25
Alpena	7	Lincoln Park	36
Ann Arbor	29	Marquette	2
Battle Creek	27	Menominee	6
Bay City	10	Midland	9
Benton Harbor	42	Monroe	40
Birmingham	22	Mount Clemens	19
Dearborn	35	Muskegon	12
Detroit	34	Muskegon Heights	13
Ecorse	38	Niles	43
Escanaba	4	Owosso	16
Ferndale	24	Pontiac	21
Flint	17	Port Huron	18
Grand Rapids	15	River Rouge	37
Grosse Pointe Park	33	Royal Oak	23
Hamtramck	32	Saginaw	11
Highland Park	31	St. Clair Shores	20
Holland	14	Sault Ste. Marie	3
Iron Mountain	5	Traverse City	8
Ironwood	1	Wyandotte	39
Jackson	28	Ypsilanti	30
Kalamazoo	26		

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 5,000
- 5,000 TO 19,999
- 20,000 OR MORE

- ○ PLACES OF 10,000 TO 99,999 POPULATION
- ● PLACES OF 100,000 OR MORE POPULATION

STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES

1. DETROIT AREA
2. FLINT AREA
3. GRAND RAPIDS AREA

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND ITS STANDARD METROPOLITAN AREAS: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
MICHIGAN						
1947	9,892	973,675	$3,090,668	821,721	$2,438,027	$5,196,338
1939 [3]	5,961	618,702	1,024,965	520,165	788,036	1,794,016
1937	5,614	736,895	1,170,255	660,676	986,841	2,091,663
1935	5,544	591,904	824,364	531,658	691,666	1,558,119
1933	4,633	n.a.	n.a.	350,266	346,111	940,946
1931	5,793	n.a.	n.a.	370,140	453,463	1,252,096
1929	6,686	599,179	1,041,789	530,035	840,505	2,067,344
1927	5,800	n.a.	n.a.	488,856	760,602	1,898,263
1925	5,600	n.a.	n.a.	515,494	792,225	1,906,760
1923	5,697	n.a.	n.a.	503,308	769,071	1,611,419
1921	5,718	n.a.	n.a.	304,471	419,969	900,485
1919	8,046	541,175	787,241	470,274	638,420	1,544,581
1914	8,659	312,712	250,395	270,939	182,140	493,093
1909	9,159	262,106	153,838	231,499	118,968	316,497
1904	7,446	192,464	98,749	175,229	81,279	199,039
1899	7,310	169,150	74,868	155,800	62,532	143,726
DETROIT METROPOLITAN AREA [Consists of Macomb, Oakland, and Wayne Counties, Michigan]						
1947	4,765	555,788	$1,846,606	466,922	$1,451,803	$2,910,650
1939 [3]	2,684	372,882	665,102	315,221	517,849	1,087,575
1929 [4]	2,844	328,414	626,246	290,980	507,375	1,216,159
1919	2,634	n.a.	n.a.	264,961	402,488	958,755
FLINT METROPOLITAN AREA [Consists of Genesee County, Michigan]						
1947	214	55,159	$171,859	47,887	$141,033	$324,507
1939 [3]	134	36,878	68,734	33,072	59,244	133,499
1929 [5]	136	35,843	62,606	32,001	52,642	142,654
1919	151	n.a.	n.a.	24,884	38,589	103,901
GRAND RAPIDS METROPOLITAN AREA [Consists of Kent County, Michigan]						
1947	694	49,241	$147,276	41,961	$114,990	$255,255
1939 [3]	468	27,155	37,258	23,882	29,168	71,736
1929 [5]	561	35,063	57,548	30,979	44,756	96,706
1919	700	n.a.	n.a.	25,640	28,395	63,336

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and for the Detroit Metropolitan Area and the 1947 figures for the Flint and Grand Rapids Metropolitan Areas include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $1,798.4 million for the State, $1,089.6 million for the Detroit Metropolitan Area, $133.5 million for the Flint Metropolitan Area, and $72.0 million for the Grand Rapids Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935 including data for these industries, was $1,588.5 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1932), and "Grindstones, pulpstones, and millstones" (1929).

[5] For the Detroit Metropolitan Area, the figures for 1929–47 exclude, whereas those for 1919 include, data for those industries given in footnote [4] above which were represented in the area. Value added by manufacture for 1929, including data for these industries, was $1,235.0 million. For the Flint and Grand Rapids Metropolitan Areas the figures for 1929, as well as those for 1919, include data for these industries. The comparability of the figures for 1919 with those for later years is also affected by the inclusion of data for the "Automobile repairing" industry in that year.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**5,256,106**	**9,892**	**973,675**	**$3,090,668**	**821,721**	**$2,438,027**	**$5,196,338**	**5,961**	**520,165**	**$1,794,016**
STANDARD METROPOLITAN AREAS										
Detroit area	2,377,329	4,765	555,788	1,846,606	466,922	1,451,803	2,910,650	2,684	315,221	1,087,575
Flint area	227,944	214	55,159	171,859	47,887	141,033	324,507	134	33,072	133,499
Grand Rapids area	246,338	694	49,241	147,276	41,961	114,990	255,255	468	23,882	71,736
COUNTIES										
Alcona	5,463	5	10	12	9	11	25	1	(d)	(d)
Alger	10,167	18	1,082	3,328	941	2,570	6,690	13	640	951
Allegan	41,839	74	2,840	7,730	2,448	6,268	16,760	52	1,466	4,020
Alpena	20,766	29	1,981	5,504	1,642	4,276	16,627	19	1,618	3,865
Antrim	10,964	27	229	448	206	378	697	6	366	535

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Continued										
Arenac	9,233	12	79	$121	68	$107	$355	6	22	$75
Baraga	9,356	12	743	1,719	683	1,542	3,986	5	435	(d)
Barry	22,613	37	2,301	6,136	1,890	4,617	13,101	16	821	3,702
Bay	74,981	141	10,841	30,141	9,291	24,027	50,767	96	5,934	16,249
Benzie	7,800	20	342	750	316	652	1,443	7	75	183
Berrien	89,117	221	18,344	52,784	15,631	42,670	89,819	163	9,041	24,267
Branch	25,845	56	2,660	6,904	2,376	5,842	12,268	32	1,284	3,078
Calhoun	94,206	167	19,758	56,380	16,395	45,438	126,630	126	9,768	52,889
Cass	21,910	42	1,690	4,593	1,499	3,657	7,773	20	669	1,872
Charlevoix	13,031	26	604	1,410	552	1,244	3,877	7	304	(d)
Cheboygan	13,644	20	555	1,268	504	1,143	3,508	7	306	660
Chippewa	27,807	24	2,034	5,647	1,798	4,795	10,544	20	1,458	4,080
Clare	9,163	14	195	395	185	369	839	6	20	79
Clinton	26,671	30	752	1,849	627	1,399	4,331	17	217	2,584
Crawford	3,765	9	98	180	88	150	256	5	81	(d)
Delta	34,037	54	2,229	5,774	1,925	4,667	8,977	45	1,521	3,608
Dickinson	28,731	36	2,121	5,421	1,891	4,756	8,719	22	1,617	(d)
Eaton	34,124	58	1,915	4,571	1,596	3,399	7,278	36	893	2,136
Emmet	15,791	27	827	2,188	722	1,789	4,259	16	549	1,959
Genesee	227,944	214	55,159	171,859	47,887	141,033	324,507	134	33,072	133,499
Gladwin	9,385	5	16	26	13	21	93	3	12	35
Gogebic	31,797	31	1,141	2,780	1,013	2,428	4,305	28	763	1,031
Grand Traverse	23,390	48	1,916	4,220	1,627	3,214	5,909	29	819	1,763
Gratiot	32,205	36	2,829	7,140	2,403	5,555	14,285	27	977	3,662
Hillsdale	29,092	52	2,459	7,017	2,091	5,451	11,004	32	1,593	2,713
Houghton	47,631	64	1,703	(d)	1,504	(d)	(d)	47	920	(d)
Huron	32,584	49	1,284	3,204	1,091	2,511	6,807	29	536	3,107
Ingham	130,616	181	25,852	84,895	21,355	65,703	155,054	119	12,729	(d)
Ionia	35,710	54	3,439	8,835	2,993	7,292	17,159	35	1,484	3,146
Iosco	8,560	17	286	790	258	662	1,989	3	172	(d)
Iron	20,243	22	314	570	299	515	799	14	72	188
Isabella	25,982	26	924	2,462	780	1,872	5,915	19	359	1,621
Jackson	93,108	230	16,261	52,684	13,652	41,080	87,913	119	6,918	25,932
Kalamazoo	100,085	251	20,867	65,223	17,058	48,356	150,412	175	11,016	45,903
Kalkaska	5,159	5	12	23	12	23	85			
Kent	246,338	694	49,241	147,276	41,961	114,990	255,255	468	23,882	71,736
Keweenaw	4,004	6	188	(d)	183	(d)	(d)	1	(d)	(d)
Lake	4,798	1	(d)	(d)	(d)	(d)	(d)			
Lapeer	32,116	39	1,071	2,815	964	2,319	4,409	24	597	1,062
Leelanau	8,436	10	215	369	210	361	801	2	(d)	(d)
Lenawee	53,110	122	10,426	28,808	9,185	24,352	50,005	85	3,122	10,663
Livingston	20,863	49	1,471	4,043	1,243	3,167	7,490	14	507	1,492
Luce	7,423	11	328	800	309	723	1,478	7	59	120
Mackinac	9,438	9	56	77	53	72	97	8	25	37
Macomb	107,638	326	14,660	48,962	12,769	39,684	104,792	57	4,504	(d)
Manistee	18,450	45	2,478	5,408	2,189	4,446	9,228	33	1,769	3,878
Marquette	47,144	45	2,611	5,397	2,357	4,612	10,318	38	1,557	3,154
Mason	19,378	43	1,708	3,930	1,489	3,051	7,029	25	1,024	1,948
Mecosta	16,902	25	1,129	2,587	1,011	2,103	3,370	16	462	1,039
Menominee	24,883	59	2,847	6,876	2,522	5,535	12,376	42	1,642	3,714
Midland	27,094	27	7,963	(d)	5,696	(d)	(d)	13	2,487	(d)
Missaukee	8,034	3	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Monroe	58,620	88	6,820	24,535	6,166	21,728	44,630	46	4,238	13,596
Montcalm	28,581	47	3,612	9,897	3,089	7,696	22,041	22	1,078	3,868
Montmorency	3,840	7	23	39	21	37	66	1	(d)	(d)
Muskegon	94,501	191	30,187	97,098	25,563	78,274	142,616	116	13,461	38,624
Newaygo	19,286	29	1,536	3,808	810	1,724	5,490	13	453	(d)
Oakland	254,068	567	44,566	149,426	36,829	114,286	261,462	132	16,102	(d)
Oceana	14,812	31	614	1,154	541	927	2,327	21	326	597
Ogemaw	8,720	12	116	287	90	207	1,221	4	15	(d)
Ontonagon	11,359	27	1,000	2,336	923	2,065	4,629	15	814	1,069
Osceola	13,309	13	203	489	171	382	1,075	9	248	530
Oscoda	2,543	7	16	23	13	19	42	1	(d)	(d)
Otsego	5,827	12	248	620	233	556	1,280	2	(d)	(d)
Ottawa	59,660	180	10,093	28,837	8,651	23,121	55,873	125	6,017	18,232
Presque Isle	12,250	6	43	53	38	44	80	5	137	(d)
Roscommon	3,668	8	37	59	32	51	137	2	(d)	(d)
Saginaw	130,468	197	21,756	65,262	18,701	53,426	113,885	151	12,119	37,282
St. Clair	76,222	116	10,264	27,741	8,742	21,982	53,504	70	5,318	20,098
St. Joseph	31,749	101	5,914	15,877	4,963	12,550	33,028	53	3,259	10,640
Sanilac	30,114	37	419	900	371	694	1,475	22	179	622
Schoolcraft	9,524	18	561	1,203	459	940	2,821	11	262	1,003
Shiawassee	41,207	59	4,695	11,073	4,332	9,345	20,209	43	1,553	3,130
Tuscola	35,694	34	1,142	3,026	993	2,499	5,661	24	622	1,548
Van Buren	35,111	75	2,811	6,708	2,555	5,519	12,206	50	1,139	3,062
Washtenaw	80,810	164	23,065	80,357	18,648	59,515	120,298	110	4,836	16,056
Wayne	2,015,623	3,872	496,562	1,648,218	417,324	1,297,833	2,544,396	2,495	294,615	1,004,576
Wexford	17,976	36	2,278	5,234	1,993	4,337	8,314	26	1,102	2,239

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
URBAN PLACES										
Adrian	14,230	54	6,053	$16,289	5,272	$13,330	$26,727	37	1,707	$5,002
Alpena	12,808	25	1,971	5,490	1,632	4,262	16,592	17	1,611	(d)
Ann Arbor	29,815	57	4,694	14,334	3,711	10,598	21,357	54	1,950	7,602
Battle Creek	43,453	82	11,727	32,900	9,715	26,775	82,933	70	6,622	43,010
Bay City	47,956	101	9,520	26,034	8,106	20,540	40,701	74	5,204	13,078
Benton Harbor	16,668	62	4,796	13,668	4,043	11,218	24,600	52	2,417	4,931
Birmingham	11,196	18	280	860	236	682	1,442	9	96	373
Dearborn	63,584	118	70,669	(d)	62,492	(d)	(d)	37	68,038	(d)
Detroit	1,623,452	3,272	338,373	1,141,084	281,515	878,259	1,831,171	2,220	181,935	648,454
Ecorse	13,209	22	12,525	(d)	10,209	(d)	(d)	10	7,136	(d)
Escanaba	14,830	30	817	1,936	710	1,548	3,714	19	332	923
Ferndale	22,523	87	3,404	12,081	2,736	8,734	22,372	19	459	(d)
Flint	151,543	131	53,770	167,516	46,649	137,504	318,171	104	32,705	132,420
Grand Rapids	164,292	574	44,179	132,593	37,635	103,735	227,670	401	19,574	55,304
Grosse Pointe Park	12,646	5	57	126	44	91	206	4	18	(d)
Hamtramck	49,839	64	25,631	81,252	21,558	71,001	139,004	57	22,904	(d)
Highland Park	50,810	56	19,701	58,725	16,753	48,121	71,479	36	6,048	(d)
Holland	14,616	65	4,675	12,145	3,972	9,752	25,170	56	2,685	9,346
Iron Mountain	11,080	20	388	(d)	312	(d)	(d)	12	220	(d)
Ironwood	13,369	15	432	935	352	765	1,558	14	229	385
Jackson	49,656	153	12,490	41,125	10,496	32,261	70,109	99	6,204	23,727
Kalamazoo	54,097	193	13,861	42,183	11,414	31,326	79,825	145	7,225	33,009
Lansing	78,753	140	24,898	81,758	20,535	63,235	147,996	98	12,504	(d)
Lincoln Park	15,236	14	216	928	198	678	1,398	3	20	(d)
Marquette	15,928	25	1,558	3,522	1,379	2,908	5,557	17	828	1,412
Menominee	10,230	33	2,673	6,578	2,357	5,260	11,752	25	1,559	3,166
Midland	10,329	23	7,623	(d)	5,516	(d)	(d)	10	2,446	(d)
Monroe	18,478	41	5,884	21,883	5,312	19,400	39,691	32	3,873	12,753
Mount Clemens	14,389	32	1,848	5,950	1,551	4,483	10,343	16	1,190	(d)
Muskegon	47,697	107	17,567	59,681	14,923	48,410	85,073	79	7,112	23,994
Muskegon Heights	16,047	38	8,542	25,243	7,154	19,959	40,293	16	4,112	9,254
Niles	11,328	26	2,496	7,136	2,036	5,283	14,395	25	1,585	6,509
Owosso	14,424	35	3,925	9,151	3,668	7,835	16,971	27	1,233	2,258
Pontiac	66,626	72	32,997	(d)	27,185	(d)	(d)	46	14,138	(d)
Port Huron	32,759	57	5,188	13,116	4,251	9,636	27,126	36	1,980	8,031
River Rouge	17,008	21	2,952	9,544	2,583	7,509	19,966	18	1,775	6,413
Royal Oak	25,087	69	857	3,026	677	2,261	5,589	15	135	(d)
Saginaw	82,794	158	20,746	62,425	17,914	51,292	107,125	117	11,511	34,685
St. Clair Shores	10,405	18	215	465	201	352	1,374			
Sault Ste. Marie	15,847	14	1,918	5,448	1,693	4,624	10,179	15	1,388	3,988
Traverse City	14,455	37	1,819	3,961	1,539	3,014	5,567	28	811	1,747
Wyandotte	30,618	49	7,621	24,809	6,178	18,722	39,452	41	3,649	19,779
Ypsilanti	12,121	29	15,527	(d)	12,466	(d)	(d)	22	2,116	(d)

d Withheld to avoid disclosing figures for individual companies.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947										1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**9,892**	**973,675**	**$3,090,668**	**821,721**	**1,651,552**	**$2,438,027**	**$5,196,338**	**$427,746**	**$119,254**	**$308,492**	**5,961**	**520,165**	**$1,794,016**
20	Food and kindred products	1,403	47,626	133,088	35,582	75,200	88,255	284,824	29,985	10,900	19,085	1,524	28,326	140,680
21	Tobacco manufactures	23	906	1,714	833	1,617	1,444	3,612	63	12	51	28	1,870	3,737
22	Textile mill products	56	5,996	14,916	5,453	10,971	12,292	31,058	1,242	419	823	50	5,796	12,813
23	Apparel and related products	235	9,103	19,387	8,011	15,021	14,907	34,043	828	277	551	155	7,569	13,578
24	Lumber and products, except furniture	625	16,083	39,103	14,694	30,979	33,720	68,995	4,485	2,221	2,264	309	9,696	17,840
25	Furniture and fixtures	376	22,314	63,209	19,473	40,779	50,274	94,922	4,072	1,307	2,765	247	14,154	33,410
26	Paper and allied products	160	26,022	82,535	23,133	52,216	70,191	174,319	21,765	6,136	15,629	133	19,031	58,747
27	Printing and publishing industries	1,124	21,677	74,751	13,593	27,504	44,242	136,983	4,801	995	3,806	908	10,990	59,839
28	Chemicals and allied products	312	33,940	111,135	25,018	52,047	73,840	281,118	56,005	20,556	35,449	258	13,125	119,879
29	Petroleum and coal products	67	3,479	12,323	2,851	6,161	9,224	50,247	2,984	1,680	1,304	47	2,172	15,356
30	Rubber products	38	15,417	56,623	12,497	25,006	44,609	85,231	6,675	1,280	5,395	20	7,901	39,593
31	Leather and leather products	49	4,357	11,638	3,992	8,338	9,822	23,822	735	136	599	45	4,445	10,695
32	Stone, clay, and glass products	561	15,669	45,994	13,476	27,743	36,212	88,782	8,874	2,163	6,711	230	8,767	33,990
33	Primary metal industries	452	92,606	305,439	81,100	165,176	252,309	427,239	46,091	17,171	28,920	233	36,126	125,464
34	Fabricated metal products	1,326	90,853	286,706	78,360	156,374	226,760	496,091	30,491	9,004	21,487	514	38,203	118,534
35	Machinery (except electrical)	1,917	143,171	489,277	119,168	238,722	376,048	796,178	40,259	11,549	28,710	699	44,221	173,908
36	Electrical machinery	177	22,049	63,834	17,823	34,803	45,802	102,073	5,783	1,883	3,900	80	5,560	18,598
37	Transportation equipment	452	384,773	1,230,723	331,680	652,989	1,011,378	1,938,214	158,979	30,523	128,456	238	254,541	769,572
38	Instruments and related products	89	4,840	13,733	3,872	7,461	9,798	20,058	718	185	533	33	750	3,002
39	Miscellaneous manufactures	450	12,794	34,540	11,112	22,445	26,900	58,529	2,911	857	2,054	210	6,922	24,781

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	Industry: Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [1]	9,892	6,478	2,225	1,189	973,675	$3,090,668	520,165	821,721	$2,438,027	$5,196,338	$427,746
20	FOOD AND KINDRED PRODUCTS	1,403	977	336	90	47,626	133,088	28,326	35,582	88,255	284,824	29,985
201	Meat products	196	134	48	14	6,152	20,169	3,053	4,797	14,433	34,922	2,112
2011	Meat packing, wholesale	130	93	27	10	4,474	14,919	2,222	3,562	10,970	24,938	1,573
2013	Prepared meats	57	34	19	4	1,593	5,081	797	1,164	3,325	9,636	523
202	Dairy products	236	178	51	7	4,066	10,237	[2] 2,352	3,136	7,605	27,747	4,269
2021	Creamery butter	64	52	12	----------	686	1,419	867	532	1,119	3,410	738
2023	Concentrated milk	32	12	17	3	1,224	3,389	747	1,021	2,776	10,686	1,460
2024	Ice cream and ices	98	79	16	3	1,573	3,997	585	1,064	2,502	8,864	1,470
203	Canning, preserving, and freezing	143	77	52	14	6,340	13,217	3,301	5,124	9,178	23,798	3,207
2033	Canning and preserving, except fish	67	24	35	8	4,028	9,158	2,683	2,995	5,779	16,318	2,640
2035	Pickles and sauces	58	46	10	2	1,316	2,512	(d)	1,194	2,040	4,480	343
2037	Frozen foods	13	4	6	3	830	1,247	----------	781	1,122	2,557	214
204	Grain-mill products	123	103	15	5	6,189	16,765	3,469	5,005	13,455	55,670	5,100
2041	Flour and meal	47	36	9	2	889	2,717	604	650	1,796	5,866	3,082
205	Bakery products	301	200	75	26	12,762	36,723	[2] 9,639	9,052	22,210	62,957	4,567
2051	Bread and other bakery products	288	197	70	21	10,707	31,805	8,459	7,233	18,305	50,728	4,231
2052	Biscuit, crackers, and pretzels	13	3	5	5	2,055	4,918	1,180	1,819	3,905	12,229	336
2063	Beet sugar	9	----------	2	7	1,275	2,811	1,585	1,091	2,293	5,104	932
207	Confectionery and related products	39	30	7	2	1,294	2,278	898	1,181	1,784	5,059	186
208	Beverages	192	129	50	13	6,868	23,268	2,615	4,462	13,367	52,661	8,634
2081	Bottled soft drinks	153	119	30	4	2,749	7,671	617	1,458	3,078	14,866	2,591
2082	Malt liquors	24	4	11	9	3,667	14,187	1,848	2,682	9,550	34,338	5,900
2084	Wines and brandy	9	5	4	----------	210	522	(d)	154	268	1,055	38
209	Miscellaneous food preparations	164	126	35	3	2,680	7,620	1,414	1,734	3,930	16,906	978
2095	Flavorings	26	23	3	----------	200	751	61	113	265	1,351	120
2097	Manufactured ice	45	32	12	1	735	2,171	268	329	1,019	5,010	338
2098	Macaroni and spaghetti	5	2	3	----------	129	303	111	105	203	722	13
2099	Food preparations, n.e.c.	73	58	13	2	1,331	3,630	608	961	1,894	6,210	320
21	TOBACCO MANUFACTURES	23	15	5	3	906	1,714	1,870	833	1,444	3,612	63
22	TEXTILE MILL PRODUCTS	56	24	15	17	5,996	14,916	5,796	5,453	12,292	31,058	1,242
221	Woolen and worsted manufactures	6	1	2	3	879	2,064	1,016	790	1,607	3,978	230
225	Knitting mills	18	6	4	8	2,349	5,362	2,879	2,113	4,160	9,097	330
2251	Full-fashioned hosiery mills	5	----------	2	3	595	1,809	796	548	1,483	3,483	101
2254	Knit underwear mills	4	----------	1	3	1,292	2,719	1,699	1,136	1,999	3,516	151
229	Miscellaneous textile goods	25	12	7	6	2,671	7,218	1,605	2,462	6,306	17,584	657
23	APPAREL AND RELATED PRODUCTS	235	145	72	18	9,103	19,387	7,569	8,011	14,907	34,043	828
2311	Men's and boys' suits and coats	4	1	2	1	189	455	67	171	417	702	2
232	Men's and boys' furnishings	45	23	19	3	1,570	2,825	1,455	1,406	2,335	4,714	88
2327	Separate trousers	8	5	3	----------	243	418	(d)	212	311	1,000	6
2329	Men's and boys' clothing, n.e.c.	24	8	13	3	1,075	1,953	1,218	989	1,692	3,171	68
233	Women's and misses' outerwear	30	13	16	1	1,159	2,313	1,777	1,048	1,882	4,260	51
2331	Blouses and waists	8	5	3	----------	222	495	(d)	204	453	973	12
2334	Dresses, dozen price	9	3	5	1	577	901	1,517	507	640	1,508	29
234	Women's and children's undergarments	14	1	7	6	2,288	4,709	1,703	2,026	3,418	8,688	142
236	Children's outerwear	9	3	5	1	466	765	357	432	639	1,221	15
238	Miscellaneous apparel and accessories	17	10	6	1	610	1,209	376	553	972	1,897	47
239	Miscellaneous fabricated textiles	107	88	14	5	2,649	6,649	1,615	2,239	4,924	11,746	443
2392	Housefurnishings, n.e.c.	15	12	3	----------	141	287	383	123	219	629	13
2394	Canvas products	43	40	3	----------	321	793	195	259	575	1,163	95
2396	Trimmings and art goods	9	4	2	3	1,362	3,739	345	1,129	2,771	6,410	220
2399	Fabricated textile products, n.e.c.	23	16	5	2	679	1,512	616	595	1,113	2,980	100
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	625	471	118	36	16,083	39,103	9,696	14,694	33,720	68,995	4,485
242	Lumber and timber basic products	317	250	51	16	6,589	14,854	4,784	6,193	13,471	25,561	1,652
243	Millwork and related products	99	76	17	6	2,610	7,182	1,533	2,185	5,427	11,674	1,751
2433	Prefabricated wood products	16	13	2	1	242	708	112	199	453	1,220	21
244	Wooden containers	78	54	18	6	2,212	5,462	1,268	2,066	4,843	13,544	584
2444	Wooden boxes (except cigar boxes)	66	47	13	6	1,913	4,849	633	1,787	4,321	12,529	541
249	Miscellaneous wood products	131	91	32	8	4,672	11,605	2,111	4,250	9,979	18,216	498
25	FURNITURE AND FIXTURES	376	197	119	60	22,314	63,209	14,154	19,473	50,274	94,922	4,072
251	Household furniture	241	116	90	35	12,874	35,091	8,149	11,510	28,747	49,343	2,334
2511	Wood house furniture, except upholst.	121	49	45	27	8,417	22,429	5,282	7,693	18,874	29,067	1,432
252	Office furniture	16	4	4	8	1,879	6,315	1,491	1,639	5,006	11,409	444
2521	Wood office furniture	6	1	3	2	422	1,239	303	370	962	1,693	66
2522	Metal office furniture	10	3	1	6	1,457	5,076	1,188	1,269	4,044	9,716	378
253	Public and professional furniture	12	5	2	5	3,012	9,044	1,867	2,373	6,370	12,855	433
2541	Partitions and fixtures	50	33	14	3	1,657	5,227	1,006	1,453	4,157	8,775	257
256	Screens, shades, and blinds	44	29	6	9	2,701	6,983	1,641	2,338	5,575	11,648	597
2561	Window and door screens	28	18	6	4	1,239	3,601	492	1,104	2,937	5,406	292
2562	Window shades	4	1	----------	3	1,031	2,346	189	871	1,827	4,560	209
2563	Venetian blinds	12	10	----------	2	431	1,036	960	363	811	1,682	96
259	Miscellaneous furniture and fixtures	13	10	3	----------	191	549	----------	160	419	892	7
26	PAPER AND ALLIED PRODUCTS	160	34	43	83	26,022	82,535	19,031	23,133	70,191	174,319	21,765
261	Pulp, paper, and paperboard	56	----------	13	43	11,856	40,731	12,815	10,550	35,239	88,102	14,425
2611	Pulp mills	10	----------	3	7	1,241	3,694	904	1,149	3,358	6,931	452
2612	Paper and board mills	46	----------	10	36	10,615	37,037	11,911	9,401	31,881	81,171	13,973
2641	Paper coating and glazing	14	1	3	10	3,515	11,063	378	3,157	9,282	20,300	1,010
2651	Envelopes	4	----------	3	1	389	1,033	226	299	737	1,385	75
267	Paperboard containers and boxes	41	11	16	14	4,084	11,762	3,076	3,689	9,974	28,643	3,634
2671	Paperboard boxes	35	8	14	13	3,832	11,246	2,943	3,467	9,553	27,642	3,612
2674	Fiber cans, tubes, drums, etc.	6	3	2	1	252	516	133	222	421	1,001	22
2699	Converted paper products, n.e.c.	35	16	5	14	5,811	16,884	2,050	5,152	14,247	34,256	2,564

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
27	PRINTING AND PUBLISHING INDUSTRIES	1,124	910	175	39	21,677	$74,751	10,990	13,593	$44,242	$136,983	$4,801
2711	Newspapers	327	269	42	16	9,055	32,835	3,521	4,282	14,854	64,382	1,209
2721	Periodicals	71	65	6	----------	475	1,672	191	131	407	3,942	101
273	Books	17	10	6	1	521	1,642	463	355	945	3,049	156
2751	Commercial printing	504	425	70	9	6,071	18,999	3,852	4,773	14,311	31,703	2,017
2761	Lithographing	55	39	13	3	1,285	5,001	695	995	3,420	8,614	556
278	Bookbinding and related industries	38	21	11	6	1,970	4,960	1,038	1,597	3,831	9,576	316
2781	Bookbinding	18	10	6	2	568	1,301	313	510	1,086	2,081	147
2783	Loose-leaf binders and devices	10	4	3	3	997	2,566	398	776	1,965	5,579	112
279	Printing trades service industries	87	61	23	3	1,757	8,296	1,221	1,334	6,133	12,478	420
2791	Typesetting	35	26	6	3	760	3,515	422	576	2,670	5,241	86
2793	Photoengraving	34	23	11	----------	606	3,129	497	451	2,262	4,440	161
2794	Electrotyping and stereotyping	12	6	6	----------	354	1,556	231	279	1,131	2,587	171
28	CHEMICALS AND ALLIED PRODUCTS	312	201	70	41	33,940	111,135	13,125	25,018	73,840	281,118	56,005
281	Industrial inorganic chemicals	15	6	4	5	6,546	22,780	5,170	5,101	16,903	37,750	19,956
282	Industrial organic chemicals	14	1	7	6	9,389	32,536	411	6,645	20,746	87,280	(d)
2829	Organic chemicals, n.e.c.	8	----------	4	4	7,980	27,388	205	5,613	17,053	74,008	(d)
283	Drugs and medicines	43	27	7	9	8,339	24,869	2,446	6,216	16,487	73,978	8,555
2834	Pharmaceutical preparations	36	25	4	7	7,859	23,571	2,389	5,875	15,662	71,464	8,444
284	Soap and related products	52	46	5	1	540	1,897	254	309	771	5,078	260
2841	Soap and glycerin	7	5	1	1	169	599	20	117	349	1,437	123
2842	Cleaning and polishing preparations	45	41	4	----------	371	1,298	234	192	422	3,641	137
285	Paints and allied products	65	40	18	7	3,794	13,030	1,837	2,663	7,782	36,406	1,847
2851	Paints and varnishes	57	35	15	7	3,672	12,502	1,803	2,582	7,516	35,177	1,785
2853	Whiting and fillers	8	5	3	----------	122	528	(d)	81	266	1,229	62
288	Vegetable and animal oils	17	9	5	3	866	2,833	334	649	1,921	7,966	638
289	Miscellaneous chemical products	100	71	23	6	3,559	10,783	1,857	2,692	7,347	26,917	2,251
2891	Printing ink	8	5	3	----------	193	594	81	147	444	1,735	75
2893	Toilet preparations	17	14	3	----------	225	480	68	173	304	1,085	153
2896	Compressed and liquefied gases	18	10	8	----------	430	1,269	176	280	796	2,728	163
2899	Chemical products, n.e.c.	43	35	7	1	1,118	3,596	449	789	2,101	11,758	1,179
29	PETROLEUM AND COAL PRODUCTS	67	39	21	7	3,479	12,323	2,172	2,851	9,224	50,247	2,984
295	Paving and roofing materials	8	5	3	----------	240	954	(d)	209	683	2,704	318
2991	Fuel briquets and packaged fuel	23	22	1	----------	110	262	(d)	97	238	447	23
30	RUBBER PRODUCTS	38	21	7	10	15,417	56,623	7,901	12,497	44,609	85,231	6,675
31	LEATHER AND LEATHER PRODUCTS	49	16	18	15	4,357	11,638	4,445	3,992	9,822	23,822	735
3111	Leather tanning and finishing	11	----------	3	8	2,332	7,063	2,352	2,175	6,075	14,793	495
3121	Industrial leather belting	8	4	3	1	223	755	517	180	498	1,361	45
314	Footwear (except rubber)	8	2	2	4	926	1,974	1,001	836	1,711	4,352	23
3161	Luggage	9	5	3	1	251	584	269	223	462	924	74
319	Miscellaneous leather goods	5	2	3	----------	129	360	42	102	226	537	29
32	STONE, CLAY, AND GLASS PRODUCTS	561	462	71	28	15,669	45,994	8,767	13,476	36,212	88,782	8,874
3231	Products of purchased glass	25	16	8	1	651	1,921	292	569	1,393	4,520	197
3241	Cement, hydraulic	9	2	----------	7	1,884	5,481	1,605	1,615	4,506	13,431	2,934
325	Structural clay products	15	6	8	1	742	1,990	660	667	1,760	3,056	202
3259	Structural clay products, n.e.c.	6	4	2	----------	193	504	109	171	448	759	(d)
327	Concrete and plaster products	429	393	31	5	3,429	9,443	1,565	3,048	7,926	20,919	2,964
3271	Concrete products	418	391	26	1	2,525	6,726	917	2,264	5,723	13,835	1,920
3272	Gypsum products	5	----------	2	3	587	1,817	510	513	1,476	5,436	898
3281	Cut-stone and stone products	12	10	2	----------	146	529	188	112	352	930	33
329	Miscellaneous nonmetallic mineral products	62	31	20	11	5,902	17,750	1,803	4,833	12,726	29,213	2,152
3291	Abrasive products	25	11	10	4	1,473	4,877	451	1,094	2,932	8,943	512
3293	Gaskets and asbestos insulations	17	6	6	5	2,823	7,817	1,044	2,488	6,311	12,863	997
33	PRIMARY METAL INDUSTRIES	452	194	132	126	92,606	305,439	36,126	81,100	252,309	427,239	46,091
3312	Steel works and rolling mills	7	----------	----------	7	15,603	58,487	9,851	13,114	46,564	83,238	20,336
332	Iron and steel foundries	149	35	59	55	47,870	151,258	12,143	42,802	129,245	188,224	14,192
3321	Gray-iron foundries	131	34	55	42	40,146	127,052	7,759	35,862	108,677	155,539	12,874
3322	Malleable-iron foundries	5	----------	----------	5	4,812	14,976	2,958	4,342	12,909	20,340	923
3323	Steel foundries	13	1	4	8	2,912	9,230	1,426	2,598	7,659	12,345	395
3341	Secondary nonferrous metals	16	6	7	3	847	2,828	659	702	2,009	6,394	407
335	Nonferrous metal rolling and drawing	19	2	5	12	7,101	22,966	4,014	6,004	18,062	37,109	1,993
3351	Copper rolling and drawing	11	1	3	7	5,266	16,997	3,181	4,427	13,407	27,998	1,851
3361	Nonferrous foundries	160	105	40	15	6,696	20,854	2,700	5,831	16,768	28,349	2,470
339	Miscellaneous primary metal industries	98	46	21	31	13,058	44,390	5,685	11,328	35,593	74,589	6,110
3391	Iron and steel forgings	29	3	9	17	5,270	18,676	1,537	4,732	15,742	29,232	1,699
3392	Wire drawing	5	1	----------	4	3,401	9,965	1,802	2,886	8,070	15,586	1,474
3393	Welded and heavy-riveted pipe	5	1	----------	4	2,365	8,626	1,710	1,985	6,824	16,430	1,795
3399	Primary metal industries, n.e.c.	59	41	12	6	2,022	7,123	636	1,725	4,957	13,341	1,142
34	FABRICATED METAL PRODUCTS	1,326	845	319	162	90,853	286,706	38,203	78,360	226,760	496,091	30,491
342	Cutlery, hand tools, and hardware	132	82	24	26	19,321	58,409	5,567	16,589	45,518	88,545	3,924
3422	Edge tools	13	9	4	----------	153	509	(d)	134	368	860	16
3423	Hand tools, n.e.c.	40	26	10	4	2,186	6,502	972	1,831	4,846	9,471	656
3425	Hand saws and saw blades	9	8	1	----------	128	436	45	96	271	865	37
3429	Hardware, n.e.c.	65	35	8	22	16,759	50,736	4,423	14,442	39,838	77,014	3,202
343	Heating and plumbing equipment	74	32	16	26	10,885	33,811	7,087	9,095	26,514	74,733	3,284
3431	Metal plumbing fixtures and fittings	12	3	4	5	1,628	5,430	(d)	1,340	3,860	10,277	419
3439	Heating and cooking apparatus, n.e.c.	62	29	12	21	9,257	28,381	5,178	7,755	22,654	64,456	2,865
344	Structural metal products	252	160	75	17	10,545	36,433	3,982	8,197	25,091	66,545	5,040
3441	Structural and ornamental products	73	47	22	4	3,653	12,767	1,530	2,624	7,869	26,317	2,718
3442	Metal doors, sash, and trim	22	13	4	5	2,866	10,139	1,232	2,384	7,544	18,219	1,188
3443	Boiler shop products	55	32	17	6	2,121	7,276	463	1,593	4,761	12,403	786
3444	Sheet-metal work	102	68	32	2	1,905	6,251	757	1,596	4,917	9,606	348

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

No.	Industry	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
346	Metal stamping and coating	463	293	123	47	25,999	$82,025	8,915	23,117	$67,094	$130,345	$11,443
3463	Metal stampings	237	125	76	36	19,808	64,675	7,589	17,470	52,148	101,501	9,911
3465	Enameling and lacquering	25	21	2	2	660	1,930	305	622	1,755	3,017	72
3467	Engraving on metal	9	6	3	----------	103	242	49	93	189	486	11
3468	Plating and polishing	186	138	39	9	5,285	14,690	811	4,811	12,634	24,566	1,375
3471	Lighting fixtures	26	22	2	2	1,252	4,069	(d)	1,125	3,471	12,635	195
348	Fabricated wire products	73	34	19	20	13,179	38,860	7,961	11,765	32,709	56,126	3,029
349	Miscellaneous fabricated metal products	306	222	60	24	9,672	33,099	3,726	8,472	26,363	67,162	3,576
3494	Bolts, nuts, washers, and rivets	53	30	12	11	3,633	12,781	1,117	3,184	9,879	31,589	1,340
3495	Screw-machine products	223	171	43	9	4,138	13,919	2,006	3,588	10,968	23,663	1,642
3499	Fabricated metal products, n.e.c.	19	15	3	1	486	1,174	(d)	432	1,007	2,286	52
35	MACHINERY (EXCEPT ELECTRICAL)	1,917	1,261	450	206	143,171	489,277	44,221	119,168	376,048	796,178	40,259
3519	Internal-combustion engines	22	7	5	10	14,356	50,462	1,431	11,374	37,949	70,113	3,512
352	Tractors and farm machinery	58	29	19	10	7,651	22,292	846	6,513	17,626	39,942	2,647
354	Metalworking machinery	870	585	213	72	35,069	137,127	10,323	29,181	105,120	208,853	10,673
3541	Machine tools	53	15	22	16	8,359	30,601	2,734	6,920	22,453	43,160	1,862
3542	Metalworking machinery, n.e.c.	39	27	7	5	2,564	8,374	909	2,058	6,248	16,628	401
3543	Cutting tools, jigs, fixtures, etc.	778	543	184	51	24,146	98,152	6,680	20,203	76,419	149,065	8,410
355	Special-industry machinery, n.e.c.	275	199	63	13	8,102	29,059	2,764	6,732	22,393	54,857	2,224
3551	Food-products machinery	22	15	6	1	579	1,935	667	473	1,378	2,948	213
3553	Woodworking machinery	24	12	8	4	2,494	7,956	353	1,976	5,789	14,007	526
3555	Printing-trades machinery	10	6	1	3	916	2,332	405	772	1,740	5,176	161
3559	Special-industry machinery, n.e.c.	213	163	45	5	3,993	16,412	1,304	3,407	13,122	32,062	1,267
356	General industrial machinery	185	82	60	43	20,569	71,062	6,470	16,087	48,177	121,699	5,491
3561	Pumps and compressors	36	18	10	8	2,635	8,986	1,147	2,112	6,479	13,580	371
3563	Conveyors	33	16	8	9	3,202	13,139	998	2,520	9,109	23,753	740
3564	Blowers and fans	15	6	5	4	2,245	7,170	715	1,599	4,738	12,740	598
3565	Industrial trucks and tractors	17	9	6	2	1,942	5,993	733	1,490	4,565	15,563	298
3566	Power-transmission equipment	43	16	17	10	6,091	19,453	1,743	5,330	13,629	31,192	2,139
3567	Industrial furnaces and ovens	10	2	5	3	559	2,345	149	362	1,192	3,806	104
3569	General industrial machinery, n.e.c.	25	14	6	5	3,093	11,237	486	2,093	6,683	16,865	901
358	Service and household machines	78	37	21	20	23,500	71,666	8,733	20,468	58,847	134,015	6,382
3581	Domestic laundry equipment	9	3	2	4	3,830	12,821	(d)	3,261	10,035	21,455	811
3585	Refrigeration machinery	43	19	11	13	18,212	53,982	7,512	16,079	45,551	102,360	5,181
3589	Service and household machines, n.e.c.	16	12	2	2	659	2,291	(d)	516	1,530	4,987	207
359	Miscellaneous machinery parts	396	309	59	28	20,504	62,344	7,934	17,438	49,295	105,558	5,554
3591	Valves and fittings, except plumbers'	35	14	10	11	7,798	23,514	2,843	6,414	17,584	39,329	1,976
3599	Machine shops	333	278	42	13	9,092	26,110	3,784	7,658	20,458	44,185	2,125
36	ELECTRICAL MACHINERY	177	92	45	40	22,049	63,834	5,560	17,823	45,802	102,073	5,783
361	Electrical industrial apparatus	82	40	26	16	10,542	31,083	2,942	8,575	22,141	54,442	2,394
3614	Motors and generators	14	4	3	7	4,051	9,117	1,075	3,744	7,829	17,067	594
3616	Electrical control apparatus	13	6	4	3	3,464	11,429	939	2,480	7,100	18,591	988
3617	Electrical welding apparatus	23	10	10	3	1,268	5,388	282	938	3,448	9,782	502
3619	Electrical industrial apparatus, n.e.c.	8	5	3	----------	169	496	(d)	126	314	759	26
3621	Electrical appliances	31	22	4	5	2,195	7,220	385	1,819	5,650	11,779	910
366	Communication equipment	28	10	5	13	5,621	14,808	882	4,281	9,305	20,202	833
3661	Radios and related products	22	7	4	11	5,115	13,349	(d)	3,936	8,438	17,959	780
369	Miscellaneous electrical products	12	10	2	----------	113	266	240	100	219	513	20
37	TRANSPORTATION EQUIPMENT	452	179	100	173	384,773	1,230,723	254,541	331,680	1,011,378	1,938,214	158,979
371	Motor vehicles and equipment	362	127	80	155	377,641	1,208,817	252,006	325,844	994,650	1,907,470	157,568
3717	Motor vehicles and parts	283	85	57	141	371,795	1,190,904	(3)	321,282	981,489	1,880,757	154,300
3718	Automobile trailers	33	14	9	10	2,484	7,341	461	2,220	5,938	13,567	908
372	Aircraft and parts	22	10	6	6	1,954	6,482	961	1,407	4,660	10,118	290
3722	Aircraft engines	5	2	1	2	347	1,174	425	207	764	1,559	21
373	Ships and boats	46	33	5	8	2,677	7,636	1,227	2,405	6,426	9,117	357
3731	Ship building and repairing	4	1	1	2	601	2,163	n.a.	482	1,516	1,621	71
3732	Boat building and repairing	42	32	4	6	2,076	5,473	n.a.	1,923	4,910	7,496	286
374	Railroad equipment	8	2	4	2	1,833	5,845	(d)	1,436	4,034	8,325	623
38	INSTRUMENTS AND RELATED PRODUCTS	89	66	15	8	4,840	13,733	750	3,872	9,798	20,058	718
3821	Mechanical measuring instruments	23	14	7	2	2,132	5,898	42	1,685	4,253	7,786	165
384	Medical instruments and supplies	34	29	2	3	738	2,181	175	572	1,443	3,618	162
3861	Photographic equipment	15	10	3	2	1,227	3,852	234	968	2,719	6,109	283
39	MISCELLANEOUS MANUFACTURES	450	329	95	26	12,794	34,540	6,922	11,112	26,900	58,529	2,911
391	Jewelry and silverware	16	9	6	1	375	1,352	97	266	750	1,943	4
394	Toys and sporting goods	134	99	24	11	6,026	15,450	2,486	5,381	12,464	26,712	1,369
3941	Games and toys, n.e.c.	37	28	6	3	1,698	4,213	(d)	1,572	3,615	5,833	479
3949	Sporting and athletic goods	78	59	14	5	3,619	9,387	1,435	3,162	7,363	16,910	782
3953	Hand stamps and stencils	25	20	5	----------	254	832	68	194	584	1,458	25
396	Costume jewelry and notions	15	10	4	1	507	1,500	333	423	1,121	2,346	270
3961	Costume jewelry	6	4	2	----------	137	376	----------	123	309	634	6
3971	Plastics products, n.e.c.	49	33	11	5	1,398	3,649	672	1,169	2,601	6,485	573
399	Miscellaneous manufactures	190	144	42	4	3,231	9,024	2,426	2,774	7,108	15,393	433
3981	Brooms and brushes	20	18	2	----------	164	421	125	145	310	1,088	48
3988	Morticians' goods	25	9	16	----------	642	1,831	483	531	1,292	2,854	113
3993	Signs and advertising displays	84	71	13	----------	849	2,396	610	722	1,950	3,983	152
3998	Models and patterns (except paper)	14	13	----------	1	263	691	(d)	239	596	1,188	29
3999	Miscellaneous products, n.e.c.	24	20	3	1	534	1,293	465	477	1,101	2,935	38

[d] Withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.
[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.
[3] In 1939, Motor Vehicles and parts (Industry 3717) and Truck and bus bodies (Industry 3713) combined reported 250,330 production workers. Separate figures for each industry are not available.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		DETROIT METROPOLITAN AREA [Consists of Macomb, Oakland, and Wayne Counties, Michigan]						
	All industries, total [1]	4,765	555,788	$1,846,606	466,922	$1,451,803	$2,910,650	$238,738
20	FOOD AND KINDRED PRODUCTS	444	21,166	66,766	15,194	41,817	126,025	13,055
201	Meat products	87	3,655	12,636	2,893	9,393	19,443	890
2011	Meat packing, wholesale	47	2,717	9,505	2,245	7,301	14,005	606
202	Dairy products	31	918	2,555	618	1,612	5,511	682
203	Canning, preserving, and freezing	24	769	2,053	668	1,366	3,610	318
2033	Canning and preserving, except fish	9	318	1,168	243	578	1,746	237
204	Grain-mill products	18	321	975	204	651	1,870	(d)
205	Bakery products	122	7,688	23,528	5,459	14,138	39,246	2,461
208	Beverages	63	5,051	18,388	3,222	10,433	41,329	6,078
2081	Bottled soft drinks	42	1,605	4,841	762	1,617	8,642	1,523
2082	Malt liquors	10	3,025	12,221	2,160	8,109	29,424	4,423
2084	Wines and brandy	5	179	438	132	236	861	27
209	Miscellaneous food preparations	79	1,561	4,516	1,021	2,490	10,685	583
2097	Manufactured ice	14	326	922	142	490	2,332	130
2099	Food preparations, n.e.c.	43	994	2,749	714	1,518	4,578	292
21	TOBACCO MANUFACTURES	10	761	1,537	701	1,291	3,333	48
22	TEXTILE MILL PRODUCTS	23	1,960	5,353	1,843	4,827	13,088	267
229	Miscellaneous textile goods	14	1,895	5,188	1,784	4,686	12,806	244
23	APPAREL AND RELATED PRODUCTS	127	3,623	9,208	3,096	7,028	16,008	445
232	Men's and boys' furnishings	23	498	920	458	801	1,759	15
2329	Men's and boys' clothing, n.e.c.	11	392	732	360	635	1,451	12
233	Women's and misses' outerwear	18	426	1,225	398	1,115	2,288	20
2331	Blouses and waists	8	222	495	204	453	973	12
2382	Fabric and combination work gloves	7	211	455	186	367	963	34
239	Miscellaneous fabricated textiles	67	1,970	5,195	1,654	3,849	8,879	349
2394	Canvas products	22	187	497	151	347	755	78
2399	Fabricated textile products, n.e.c.	12	214	491	187	368	901	49
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	109	2,250	6,569	1,999	5,364	15,131	432
243	Millwork and related products	42	500	1,623	395	1,175	2,704	160
2499	Wood products, n.e.c.	30	512	1,490	459	1,141	2,649	70
25	FURNITURE AND FIXTURES	128	2,639	7,911	2,243	6,105	11,934	581
251	Household furniture	67	1,853	5,404	1,580	4,214	8,080	377
2511	Wood house furniture, except upholst.	13	112	275	101	225	378	18
2512	Household furniture, upholstered	27	791	2,561	697	2,045	3,398	70
2514	Metal house furniture, except upholst.	6	596	1,471	487	1,086	2,156	239
2515	Mattresses and bedsprings	21	354	1,097	295	858	2,148	50
2541	Partitions and fixtures	29	340	1,117	292	843	1,824	36
256	Screens, shades, and blinds	21	292	938	239	687	1,236	147
2561	Window and door screens	15	251	859	205	630	1,094	143
26	PAPER AND ALLIED PRODUCTS	46	4,128	12,367	3,543	9,757	22,999	1,245
267	Paperboard containers and boxes	16	1,032	2,862	899	2,182	6,605	94
269	Pulp goods and misc. paper products	21	1,469	4,445	1,248	3,389	6,338	582
2699	Converted paper products, n.e.c.	16	1,377	4,157	1,175	3,199	5,823	554
27	PRINTING AND PUBLISHING INDUSTRIES	502	11,939	48,455	7,150	27,405	82,423	2,246
2711	Newspapers	67	4,833	21,557	2,045	8,794	38,169	583
2721	Periodicals	47	340	1,241	99	328	2,925	80
2741	Miscellaneous publishing	10	383	855	23	71	2,510	8
2751	Commercial printing	257	3,015	10,742	2,336	8,135	17,036	630
2761	Lithographing	39	945	3,879	714	2,617	6,903	429
278	Bookbinding and related industries	21	780	2,169	682	1,591	3,346	105
2781	Bookbinding	9	429	1,019	395	866	1,621	86
279	Printing trades service industries	53	1,408	7,051	1,078	5,298	10,210	370
2791	Typesetting	24	656	3,178	491	2,406	4,651	68
2793	Photoengraving	19	497	2,740	377	2,018	3,722	154
28	CHEMICALS AND ALLIED PRODUCTS	190	18,556	59,940	13,811	41,020	123,161	25,469
281	Industrial inorganic chemicals	8	5,890	20,781	4,539	15,280	33,238	19,578
284	Soap and related products	37	451	1,700	246	681	4,328	232
2841	Soap and glycerin	7	169	599	117	349	1,437	123
2842	Cleaning and polishing preparations	30	282	1,101	129	332	2,891	109
285	Paints and allied products	45	2,847	9,397	2,011	5,809	24,562	1,165
288	Vegetable and animal oils	8	681	2,198	492	1,433	6,318	539
289	Miscellaneous chemical products	61	1,151	3,640	810	2,256	7,603	419
2893	Toilet preparations	11	173	397	128	232	1,022	152
2896	Compressed and liquefied gases	11	338	990	214	602	1,992	110
2899	Chemical products, n.e.c.	30	317	1,065	205	479	2,464	92
29	PETROLEUM AND COAL PRODUCTS	36	2,580	9,185	2,247	7,401	35,323	1,038
2911	Petroleum refining	5	645	2,863	548	2,265	12,663	246
299	Miscellaneous petroleum and coal products	21	220	699	163	463	2,383	27
2992	Lubricants, n.e.c.	7	133	475	87	260	2,030	21
30	RUBBER PRODUCTS	3						
31	LEATHER AND LEATHER PRODUCTS	23	11,301	(d)	8,921	(d)	(d)	(d)
		19	544	(d)	458	(d)	(d)	(d)

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		DETROIT METROPOLITAN AREA—Continued						
32	STONE, CLAY, AND GLASS PRODUCTS	182	9,102	$27,935	7,902	$22,111	$51,859	$3,303
3231	Products of purchased glass	17	439	1,367	377	903	3,589	157
325	Structural clay products	8	435	1,270	397	1,147	1,737	66
3251	Brick and hollow tile	4	333	968	306	884	1,212	65
327	Concrete and plaster products	100	1,151	3,760	997	3,083	8,332	977
3281	Cut-stone and stone products	8	108	426	85	279	689	18
329	Miscellaneous nonmetallic mineral products	40	3,754	11,311	3,148	8,392	18,214	1,303
3291	Abrasive products	14	472	1,627	354	924	3,451	243
33	PRIMARY METAL INDUSTRIES	210	56,912	193,766	49,167	157,326	275,326	33,609
3312	Steel works and rolling mills	7	15,603	58,487	13,114	46,564	83,238	(d)
332	Iron and steel foundries	39	22,820	71,162	20,153	60,039	87,331	5,576
3321	Gray-iron foundries	32	21,141	65,182	18,699	55,235	79,856	5,361
335	*Nonferrous metal rolling and drawing*	9	4,503	15,731	3,750	12,253	25,497	1,466
3361	*Nonferrous foundries*	71	3,801	12,601	3,297	10,069	16,062	1,656
339	Miscellaneous primary metal industries	69	8,390	29,673	7,284	23,458	50,188	3,812
3391	Iron and steel forgings	16	3,090	11,217	2,776	9,418	17,094	921
3399	Primary metal industries, n.e.c.	48	1,037	6,876	1,653	4,751	12,895	1,130
34	FABRICATED METAL PRODUCTS	827	55,110	181,809	47,813	144,300	314,075	20,046
342	Cutlery, hand tools, and hardware	74	9,732	30,180	8,299	23,646	41,284	1,436
3422	Edge tools	9	108	364	95	264	595	11
3423	Hand tools, n.e.c.	23	331	956	244	645	1,500	61
3429	Hardware, n.e.c.	33	9,169	28,438	7,868	22,479	38,337	1,328
3439	Heating and cooking apparatus, n.e.c.	30	2,232	7,512	1,986	6,220	16,399	317
344	Structural metal products	148	7,591	26,934	6,002	19,077	51,512	3,956
3441	Structural and ornamental products	47	3,186	11,112	2,244	6,723	23,921	2,504
3443	Boiler shop products	29	1,077	3,925	849	2,749	6,586	334
346	Metal stamping and coating	298	19,966	64,773	17,692	52,666	101,910	9,302
3463	Metal stampings	156	16,351	53,842	14,366	43,178	83,826	8,463
3465	Enameling and lacquering	18	574	1,723	542	1,572	2,659	47
3468	Plating and polishing	112	2,836	8,590	2,606	7,453	14,381	718
3489	Wirework, n.e.c.	41	6,729	20,782	6,074	17,541	30,967	1,755
349	*Miscellaneous fabricated metal products*	209	7,117	25,644	6,247	20,263	54,871	2,957
3494	Bolts, nuts, washers, and rivets	45	3,302	11,714	2,894	9,018	29,854	1,280
3495	Screw-machine products	142	2,323	8,453	2,013	6,494	14,848	1,128
35	MACHINERY (EXCEPT ELECTRICAL)	1,280	77,662	289,349	64,551	219,160	441,975	22,794
3522	Farm machinery (except tractors)	15	644	2,055	552	1,593	3,391	472
3531	Construction and mining machinery	6	1,742	6,025	1,167	6,430	5,390	499
354	Metalworking machinery	677	27,019	112,262	22,627	85,816	166,811	8,756
3541	Machine tools	27	5,454	21,304	4,594	15,416	27,025	1,069
3542	Metalworking machinery, n.e.c.	29	1,375	4,830	1,124	3,661	9,539	227
3543	Cutting tools, jigs, fixtures, etc.	621	20,190	86,128	16,909	66,739	130,247	7,460
355	Special-industry machinery, n.e.c.	163	2,403	10,267	2,103	8,453	16,407	621
3553	Woodworking machinery	5	119	453	85	226	853	32
3559	Special-industry machinery, n.e.c.	141	2,113	9,193	1,881	7,764	14,626	558
356	*General industrial machinery*	113	13,202	48,816	10,239	31,458	73,500	3,282
3561	Pumps and compressors	19	1,134	4,686	886	3,013	6,369	160
3566	Power-transmission equipment	32	4,401	14,949	3,853	9,910	20,379	1,139
358	Service and household machines	34	7,402	23,894	6,622	20,158	40,711	1,530
3582	Laundry and dry-cleaning machinery	5	171	620	126	376	872	48
359	Miscellaneous machinery parts	248	9,796	33,455	8,452	26,711	55,429	2,889
3599	*Machine shops*	210	2,260	7,476	1,922	5,728	13,459	512
36	ELECTRICAL MACHINERY	94	9,085	29,433	6,831	19,217	46,874	2,588
361	Electrical industrial apparatus	52	4,821	16,886	3,495	10,630	27,926	1,432
3611	Wiring devices and supplies	7	134	424	111	297	650	59
3615	Transformers	7	302	787	261	663	1,424	56
3617	Electrical welding apparatus	16	791	3,713	565	2,303	6,128	287
3621	Electrical appliances	14	828	2,743	682	1,977	4,766	298
366	Communication equipment	11	1,833	4,675	1,306	2,641	6,978	462
37	TRANSPORTATION EQUIPMENT	231	260,207	832,735	224,140	688,356	1,234,133	105,196
371	Motor vehicles and equipment	197	256,877	821,189	221,627	680,318	1,216,423	104,513
3717	Motor vehicles and parts	168	253,912	811,765	219,565	673,796	1,201,993	103,877
3713	Truck and bus bodies	15	987	3,389	812	2,627	5,023	371
372	Aircraft and parts	13	1,777	6,063	1,268	4,336	9,375	214
38	INSTRUMENTS AND RELATED PRODUCTS	59	1,155	3,641	863	2,358	5,899	166
384	Medical instruments and supplies	20	490	1,633	374	1,044	2,440	86
39	MISCELLANEOUS MANUFACTURES	225	5,108	14,696	4,449	11,265	25,916	1,240
3911	Jewelry (precious metal)	11	328	1,228	227	638	1,592	3
394	Toys and sporting goods	62	2,166	5,560	1,998	4,640	9,993	590
3941	Games and toys, n.e.c.	22	1,504	3,832	1,403	3,305	5,375	462
3943	Children's vehicles	9	276	801	239	549	2,149	20
3949	Sporting and athletic goods	31	386	927	356	786	2,469	108
395	Office supplies	20	223	763	164	514	1,336	71
396	Costume jewelry and notions	6	277	902	227	671	1,422	219
3971	Plastics products, n.e.c.	21	453	1,223	381	843	2,290	101
399	Miscellaneous manufactures	96	1,607	4,885	1,375	3,828	8,951	256
3981	Brooms and brushes	10	121	360	106	255	920	47
3988	Morticians' goods	13	259	868	202	575	1,454	44
3993	Signs and advertising displays	44	579	1,752	504	1,446	2,693	121
3997	Soda-fountain and bar equipment	4	130	460	101	335	694	4
3999	Miscellaneous products, n.e.c.	8	378	993	346	898	2,442	25

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	FLINT METROPOLITAN AREA [Consists of Genesee County, Michigan]							
	All industries, total [1]	214	55,159	$171,859	47,887	$141,033	$324,507	$29,579
20	Food and kindred products	44	761	(d)	455	(d)	(d)	(d)
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	7	90	(d)	85	(d)	(d)	(d)
25	Furniture and fixtures	10	471	(d)	444	(d)	(d)	(d)
27	Printing and publishing industries	31	556	(d)	345	(d)	(d)	(d)
28	Chemicals and allied products	6	556	(d)	438	(d)	(d)	(d)
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	20	116	(d)	106	(d)	(d)	(d)
33	Primary metal industries	7	405	(d)	356	(d)	(d)	(d)
34	Fabricated metal products	30	303	(d)	258	(d)	(d)	(d)
35	Machinery (except electrical)	26	1,260	(d)	1,074	(d)	(d)	(d)
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	14	50,304	(d)	44,025	(d)	(d)	(d)
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	11	77	(d)	61	(d)	(d)	(d)
	GRAND RAPIDS METROPOLITAN AREA [Consists of Kent County, Michigan]							
	All industries, total [1]	694	49,241	$147,276	41,961	$114,990	$255,255	$15,006
20	Food and kindred products	93	2,680	7,620	2,023	4,847	15,596	1,381
201	Meat products	17	418	1,353	315	868	2,976	212
2011	Meat packing, wholesale	9	213	686	163	466	1,487	126
202	Dairy products	8	178	435	128	316	1,755	172
205	Bakery products	25	1,459	4,153	1,080	2,508	7,074	664
2051	Bread and other bakery products	21	918	2,796	623	1,547	4,884	514
2052	Biscuit, crackers, and pretzels	4	541	1,357	457	961	2,190	150
208	Beverages	9	325	972	247	638	2,270	96
21	Tobacco manufactures	3	73	(d)	70	(d)	(d)	(d)
22	Textile mill products	9	1,667	3,897	1,468	2,923	6,411	285
23	Apparel and related products	11	291	637	246	469	1,250	46
24	Lumber and products, except furniture	33	1,551	4,239	1,281	3,180	6,620	1,313
25	Furniture and fixtures	108	8,557	26,063	7,423	21,064	36,999	1,551
251	Household furniture	88	5,026	14,704	4,526	12,401	19,400	936
2511	Wood house furniture, except upholst	48	3,966	11,666	3,599	9,872	14,405	736
2512	Household furniture, upholstered	34	934	2,716	826	2,293	4,194	179
252	Office furniture	9	838	2,826	729	2,417	5,720	240
26	Paper and allied products	12	1,060	3,216	951	2,696	7,473	722
27	Printing and publishing industries	99	1,833	5,548	1,219	3,386	10,959	668
273	Books	6	185	487	107	237	1,068	61
2751	Commercial printing	52	617	1,920	476	1,252	3,248	343
279	Printing trades service industries	12	150	561	115	391	917	24
28	Chemicals and allied products	21	432	1,738	260	705	3,036	410
29	Petroleum and coal products	5	39	(d)	25	(d)	(d)	(d)
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	5	572	(d)	522	(d)	(d)	(d)
32	Stone, clay, and glass products	30	699	2,044	574	1,542	3,472	675
327	Concrete and plaster products	25	418	1,213	362	987	2,676	513
33	Primary metal industries	27	1,486	4,620	1,292	3,680	6,800	738
3321	Gray-iron foundries	9	857	2,693	784	2,287	4,420	338
34	Fabricated metal products	99	9,210	28,381	8,076	22,412	47,518	2,444
342	Cutlery, hand tools, and hardware	19	5,253	15,944	4,577	12,400	28,584	1,434
344	Structural metal products	17	370	1,289	293	884	2,018	93
3444	Sheet-metal work	11	234	824	187	564	1,383	46
346	Metal stamping and coating	48	1,548	5,043	1,405	4,259	7,930	608
3463	Metal stampings	18	1,115	3,983	999	3,280	6,226	514
35	Machinery (except electrical)	77	9,340	26,895	8,127	22,113	57,071	2,994
354	Metalworking machinery	19	421	1,398	357	1,110	2,195	90
355	Special-industry machinery, n.e.c.	15	688	2,344	562	1,744	4,576	222
3553	Woodworking machinery	7	521	1,749	431	1,315	3,700	200
356	General industrial machinery	15	951	3,218	715	2,235	6,535	210
359	Miscellaneous machinery parts	13	271	812	243	710	1,178	77
36	Electrical machinery	11	1,527	(d)	1,167	(d)	(d)	(d)
37	Transportation equipment	16	6,833	21,877	6,068	18,491	36,134	1,340
3717	Motor vehicles and parts	8	6,471	20,878	5,741	17,625	34,741	1,203
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	31	721	1,904	607	1,410	3,180	101
394	Toys and sporting goods	7	268	646	229	525	1,076	51
399	Miscellaneous manufactures	15	210	656	169	389	977	23

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[*Genesee* and *Kent* Counties, both principal industrial counties, are coextensive with the *Flint* and *Grand Rapids* Metropolitan Areas, respectively. Their industry statistics are shown, therefore, in *table 5*]

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY GROUP		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	INGHAM COUNTY							
	All industries, total [1]	181	25,852	$84,895	21,355	$65,703	$155,054	$6,522
20	Food and kindred products	25	686	1,873	471	1,115	5,328	629
205	Bakery products	9	244	610	157	356	1,139	101
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	5	32	63	26	48	107	3
24	Lumber and products, except furniture	8	109	(d)	100	(d)	(d)	(d)
25	Furniture and fixtures	3	116	(d)	108	(d)	(d)	(d)
27	Printing and publishing industries	35	681	(d)	456	(d)	(d)	(d)
275	Commercial printing	17	361	1,083	295	866	2,034	67
28	Chemicals and allied products	5	163	(d)	102	(d)	(d)	(d)
32	Stone, clay, and glass products	10	71	181	58	144	333	66
33	Primary metal industries	13	2,216	7,642	1,902	6,256	11,333	535
339	Miscellaneous primary metal industries	6	1,524	5,303	1,344	4,468	8,594	433
34	Fabricated metal products	18	1,818	5,806	1,578	4,775	11,364	242
35	Machinery (except electrical)	35	2,218	6,990	1,724	4,876	11,335	1,123
354	Metalworking machinery	11	296	1,282	251	982	1,829	(d)
356	General industrial machinery	4	233	648	155	360	996	12
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	10	17,431	(d)	14,581	(d)	(d)	(d)
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	9	77	262	67	201	493	23
	KALAMAZOO COUNTY							
	All industries, total [1]	251	20,867	$65,223	17,058	$48,356	$150,412	$17,379
20	Food and kindred products	34	743	2,183	490	1,340	3,982	601
201	Meat products	5	205	691	169	546	1,542	91
205	Bakery products	9	304	887	173	496	1,248	106
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	7	368	739	303	533	1,561	18
24	Lumber and products, except furniture	4	100	239	90	201	383	7
25	Furniture and fixtures	2	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	28	7,945	25,552	7,232	22,238	48,619	5,266
261	Pulp, paper, and paperboard	11	3,210	11,036	2,899	9,744	21,825	3,159
264	Paper coating and glazing	7	2,072	6,959	1,906	5,920	12,866	553
269	Pulp goods and miscellaneous paper products	6	2,359	6,839	2,152	6,015	12,943	1,457
27	Printing and publishing industries	34	792	2,339	544	1,469	4,627	143
275	Commercial printing	21	390	1,009	287	679	1,762	101
28	Chemicals and allied products	15	2,099	(d)	1,360	(d)	(d)	(d)
29	Petroleum and coal products	3	48	(d)	35	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	11	160	458	135	348	714	48
33	Primary metal industries	14	549	1,790	508	1,332	2,427	59
332	Iron and steel foundries	5	425	1,422	402	1,025	1,874	32
34	Fabricated metal products	23	2,631	7,651	2,137	5,668	15,956	1,183
343	Heating and plumbing equipment	5	2,144	6,365	1,747	4,793	13,844	1,061
346	Metal stamping and coating	7	131	422	115	317	703	39
35	Machinery (except electrical)	39	1,667	5,070	1,239	3,461	11,841	984
354	Metalworking machinery	10	751	2,416	542	1,617	6,376	516
359	Miscellaneous machinery parts	13	170	500	120	306	879	22
36	Electrical machinery	6	449	(d)	326	(d)	(d)	(d)
37	Transportation equipment	11	2,030	6,591	1,619	4,587	11,031	(d)
38	Instruments and related products	3	17	(d)	12	(d)	(d)	(d)
39	Miscellaneous manufactures	14	1,193	3,495	969	2,120	5,518	396
399	Miscellaneous manufactures	5	99	244	76	153	432	15
	MUSKEGON COUNTY							
	All industries, total [1]	191	30,187	$97,098	25,563	$78,274	$142,616	$6,497
20	Food and kindred products	27	406	1,154	279	690	2,159	163
205	Bakery products	8	190	536	125	294	803	62
208	Beverages	4	107	334	70	216	683	59
23	Apparel and related products	4	25	36	24	33	57	----------
24	Lumber and products, except furniture	4	8	10	8	10	15	----------
25	Furniture and fixtures	8	1,627	4,998	1,406	3,742	8,509	243
26	Paper and allied products	3	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	17	399	1,012	308	841	2,876	(d)
28	Chemicals and allied products	4	22	(d)	17	(d)	(d)	(d)
29	Petroleum and coal products	3	175	(d)	103	(d)	(d)	(d)
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	3	292	821	269	657	1,583	8
32	Stone, clay, and glass products	12	56	138	46	108	279	40
33	Primary metal industries	18	7,860	24,697	6,868	20,667	33,833	1,303
336	Nonferrous foundries	5	109	310	96	243	481	39
34	Fabricated metal products	21	544	1,572	487	1,254	2,115	200
346	Metal stamping and coating	7	107	297	97	227	459	75

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	MUSKEGON COUNTY—Continued							
35	Machinery (except electrical)	47	15,711	$53,291	13,143	$42,597	$73,777	$3,358
354	Metalworking machinery	18	496	1,738	398	1,345	2,882	180
355	Special-industry machinery, n.e.c.	7	236	1,211	211	957	1,734	74
359	Miscellaneous machinery parts	12	3,096	8,826	2,547	6,813	13,376	794
37	Transportation equipment	8	834	2,648	687	2,030	4,150	124
371	Motor vehicles and equipment	5	824	2,627	677	2,009	4,119	124
39	Miscellaneous manufactures	11	1,601	(d)	1,413	(d)	(d)	(d)
	OAKLAND COUNTY							
	All industries, total [1]	**567**	**44,566**	**$149,426**	**36,829**	**114,286**	**$261,462**	**$38,106**
20	Food and kindred products	29	416	1,546	262	751	2,322	166
22	Textile mill products	2	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	3	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	21	257	728	211	545	1,095	76
25	Furniture and fixtures	10	43	(d)	37	(d)	(d)	(d)
26	Paper and allied products	4	197	(d)	170	(d)	(d)	(d)
27	Printing and publishing industries	37	438	1,337	250	816	2,668	45
271	Newspapers	14	322	1,043	167	599	2,094	30
275	Commercial printing	19	101	259	75	198	490	15
28	Chemicals and allied products	17	529	1,973	337	1,105	4,621	463
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	4	766	(d)	635	(d)	(d)	(d)
32	Stone, clay, and glass products	34	332	1,018	296	838	1,683	208
33	Primary metal industries	23	3,064	9,557	2,662	7,689	14,671	678
34	Fabricated metal products	119	2,683	8,427	2,286	6,518	12,801	916
344	Structural metal products	22	305	1,072	242	718	1,739	76
346	Metal stamping and coating	44	1,171	3,443	1,017	2,771	5,349	375
349	Miscellaneous fabricated metal products	35	402	1,388	344	1,084	2,159	245
35	Machinery (except electrical)	182	4,728	(d)	3,882	(d)	(d)	(d)
355	Special-industry machinery, n.e.c.	24	236	910	201	720	1,623	126
356	General industrial machinery	8	165	489	145	412	623	35
359	Miscellaneous machinery parts	27	338	972	293	773	1,705	89
36	Electrical machinery	14	225	(d)	166	(d)	(d)	(d)
37	Transportation equipment	32	30,557	(d)	25,347	(d)	(d)	(d)
38	Instruments and related products	8	96	(d)	73	(d)	(d)	(d)
39	Miscellaneous manufactures	27	218	497	198	417	995	27
	SAGINAW COUNTY							
	All industries, total [1]	**197**	**21,756**	**$65,262**	**18,701**	**$53,426**	**$113,885**	**$9,824**
20	Food and kindred products	45	1,541	4,090	1,192	2,693	9,571	1,928
202	Dairy products	9	119	273	80	158	604	303
203	Canning, preserving, and freezing	6	202	468	180	317	928	40
205	Bakery products	10	503	1,380	361	816	3,942	293
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	4	197	(d)	179	(d)	(d)	(d)
24	Lumber and products, except furniture	7	127	(d)	118	(d)	(d)	(d)
25	Furniture and fixtures	6	434	(d)	352	(d)	(d)	(d)
26	Paper and allied products	4	80	132	67	96	166	11
27	Printing and publishing industries	22	325	1,012	170	567	2,269	101
275	Commercial printing	8	111	394	69	255	809	90
28	Chemicals and allied products	6	100	260	61	107	962	47
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	19	659	1,948	501	1,250	2,481	286
33	Primary metal industries	12	7,657	(d)	7,022	(d)	(d)	(d)
34	Fabricated metal products	9	741	2,598	501	1,472	4,481	232
35	Machinery (except electrical)	34	2,414	6,680	1,977	5,724	11,307	385
354	Metalworking machinery	17	1,844	4,762	1,475	4,092	7,891	210
355	Special-industry machinery, n.e.c.	10	187	762	176	711	1,191	65
37	Transportation equipment	18	7,383	21,189	6,485	17,537	51,602	1,562
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	4	30	50	24	40	77	1
	WASHTENAW COUNTY							
	All industries, total [1]	**164**	**23,065**	**$80,357**	**18,648**	**$59,515**	**$120,298**	**$10,905**
20	Food and kindred products	16	262	740	195	497	1,470	117
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	7	144	336	128	278	497	45
25	Furniture and fixtures	1	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	29	591	1,604	422	1,067	3,098	108
275	Commercial printing	15	223	603	182	489	926	25
28	Chemicals and allied products	4	16	(d)	13	(d)	(d)	(d)
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	10	54	128	50	115	272	109
33	Primary metal industries	6	399	1,497	353	1,245	2,005	76
34	Fabricated metal products	24	1,578	4,527	1,461	3,980	7,024	439
346	Metal stamping and coating	10	195	522	177	456	741	60
35	Machinery (except electrical)	29	2,915	(d)	2,419	(d)	(d)	(d)
354	Metalworking machinery	10	484	1,732	383	1,378	2,616	118

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

INDUSTRY GROUP No.	Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		WASHTENAW COUNTY—Continued						
36	Electrical machinery	8	1,574	(d)	1,322	(d)	(d)	(d)
37	Transportation equipment	11	12,309	(d)	9,709	(d)	(d)	(d)
38	Instruments and related products	6	2,751	$7,880	2,201	$5,729	$10,730	$383
39	Miscellaneous manufactures	8	203	534	162	377	1,014	155
		WAYNE COUNTY						
	All industries, total [1]	**3,872**	**496,562**	**$1,648,218**	**417,324**	**$1,297,833**	**$2,544,396**	**$196,517**
20	Food and kindred products	400	20,535	64,627	14,772	40,646	122,983	12,676
201	Meat products	79	3,535	12,238	2,799	9,070	18,915	723
205	Bakery products	116	7,613	23,360	5,396	14,012	38,921	2,442
207	Confectionery and related products	18	1,071	1,711	1,028	1,541	3,920	95
208	Beverages	57	4,932	17,746	3,153	10,204	40,603	6,023
209	Miscellaneous food preparations	70	1,470	4,220	976	2,361	10,096	573
21	Tobacco manufactures	10	761	1,537	701	1,291	3,333	48
22	Textile mill products	19	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	122	3,612	9,197	3,085	7,017	15,958	444
232	Men's and boys' furnishings	23	498	920	458	801	1,759	15
239	Miscellaneous fabricated textiles	63	1,962	5,188	1,646	3,842	8,859	348
24	Lumber and products, except furniture	80	1,928	5,678	1,731	4,681	13,772	338
243	Millwork and related products	24	279	936	216	642	1,687	86
249	Miscellaneous wood products	32	515	1,504	461	1,164	2,648	72
25	Furniture and fixtures	114	2,553	7,654	2,167	5,893	11,542	530
251	Household furniture	59	1,826	5,346	1,556	4,168	7,989	374
26	Paper and allied products	39	3,919	11,885	3,361	9,373	21,961	1,222
27	Printing and publishing industries	454	11,413	46,877	6,848	26,447	79,323	2,201
271	Newspapers	47	4,435	20,290	1,835	8,066	35,668	553
274	Miscellaneous publishing	10	383	855	23	71	2,510	8
275	Commercial printing	234	2,907	10,475	2,255	7,930	16,531	615
278	Bookbinding and related industries	21	780	2,169	682	1,591	3,346	105
28	Chemicals and allied products	170	17,981	57,838	13,439	39,818	118,150	24,997
281	Industrial inorganic chemicals	8	5,890	20,781	4,539	15,280	33,238	19,578
284	Soap and related products	34	430	1,625	229	644	4,153	224
289	Miscellaneous chemical products	53	1,107	3,517	774	2,161	7,118	418
29	Petroleum and coal products	34	(d)	(d)	(d)	(d)	(d)	(d)
291	Petroleum refining	5	645	2,863	548	2,265	12,663	246
30	Rubber products	16	10,511	(d)	8,269	(d)	(d)	(d)
31	Leather and leather products	19	544	(d)	458	(d)	(d)	(d)
32	Stone, clay, and glass products	130	8,212	25,272	7,091	19,875	47,506	2,870
327	Concrete and plaster products	57	883	2,959	757	2,429	6,843	846
328	Cut-stone and stone products	8	108	426	85	279	689	18
33	Primary metal industries	176	51,027	174,052	43,996	141,299	238,374	32,248
331	Blast furnaces and steel mills	7	15,510	57,894	13,093	46,368	78,554	(d)
332	Iron and steel foundries	28	20,172	63,140	17,782	53,424	76,956	4,812
335	Nonferrous metal rolling and drawing	9	4,503	15,731	3,750	12,253	25,497	1,466
339	Miscellaneous primary metal industries	59	6,474	22,899	5,624	17,975	36,012	3,508
34	Fabricated metal products	633	51,002	169,174	44,278	134,632	292,340	18,541
342	Cutlery, hand tools, and hardware	57	8,778	27,108	7,482	21,355	36,587	1,082
344	Structural metal products	114	7,153	25,297	5,639	17,923	48,614	3,859
346	Metal stamping and coating	222	18,355	60,312	16,274	49,069	94,666	8,857
348	Fabricated wire products	35	6,360	19,769	5,745	16,699	29,310	1,599
349	Miscellaneous fabricated metal products	157	6,441	23,346	5,689	18,580	50,115	2,511
35	Machinery (except electrical)	973	69,141	256,994	57,506	194,637	387,445	19,297
353	Construction and mining machinery	6	1,742	6,025	1,167	3,430	5,390	499
354	Metalworking machinery	493	20,966	88,546	17,671	67,948	125,507	6,365
355	Special-industry machinery, n.e.c.	125	2,020	8,757	1,770	7,240	13,746	413
356	General industrial machinery	98	12,836	47,598	9,923	30,472	71,759	3,159
359	Miscellaneous machinery parts	195	9,317	32,085	8,032	25,586	52,900	2,773
36	Electrical machinery	76	8,283	26,847	6,191	17,401	42,611	2,183
361	Electrical industrial apparatus	44	4,631	16,219	3,368	10,284	26,936	1,353
366	Communication equipment	11	1,833	4,675	1,306	2,641	6,978	462
37	Transportation equipment	177	224,940	(d)	194,556	(d)	(d)	(d)
38	Instruments and related products	47	1,025	3,292	759	2,125	5,288	147
39	Miscellaneous manufactures	183	4,674	13,653	4,060	10,422	24,152	1,164
394	Toys and sporting goods	45	1,984	5,123	1,862	4,299	9,410	562
395	Office supplies	20	223	763	164	514	1,336	71
396	Costume jewelry and notions	6	277	902	227	671	1,422	219
397	Plastics products, n.e.c.	14	365	1,051	305	738	1,927	99
399	Miscellaneous manufactures	79	1,452	4,484	1,232	3,464	8,265	210

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

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TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	9,892	1,403	23	56	235	625	376	160	1,124	312	67	38	49	561	452	1,326	1,917	177	452	89	450
1-19 employees	6,478	977	15	24	145	471	197	34	910	201	39	21	16	462	194	845	1,261	92	179	66	329
20-99 employees	2,226	336	5	15	72	118	119	43	175	70	21	7	18	71	132	319	450	45	100	15	95
100 employees and over	1,188	90	3	17	18	36	60	83	39	41	7	10	15	28	126	162	206	40	173	8	26
Alcona:																					
1-19 employees	5	1				2			1					1							
Alger:																					
1-19 employees	11	2				7			1						1						
20-99 employees	3					3															
100 employees and over	4					2		2													
Allegan:																					
1-19 employees	49	14		1	1	5	1	1	7	1				9		2	5		1		1
20-99 employees	16	3				1	3	3	2							2					2
100 employees and over	9	2						4		1							2				
Alpena:																					
1-19 employees	19	6			1	5	1		2					4							
20-99 employees	5	2			1				1								1				
100 employees and over	5				1			1						1	1		1				
Antrim:																					
1-19 employees	23	2				7			4					3	1	3			2		1
20-99 employees	4	2				1												1			
Arenac:																					
1-19 employees	12	5				3			1					1		1	1				
Baraga:																					
1-19 employees	8	2				5			1												
20-99 employees	3					3															
100 employees and over	1					1															
Barry:																					
1-19 employees	25	9				6			5					3		1					1
20-99 employees	8	1					1		1						1	2		1	1		
100 employees and over	4						1										3				
Bay:																					
1-19 employees	92	22	2		3	5	3		8	1				12	6	5	10	1	3		11
20-99 employees	30	11	1	1	1	3	2		1		1				3	2	1	2	1		
100 employees and over	19	3		1		1	2		1					2	2		2	2	3		
Benzie:																					
1-19 employees	15	3				2			3					3		1			1	1	1
20-99 employees	4	2				1						1									
100 employees and over	1					1															
Berrien:																					
1-19 employees	122	19			2	8	5	5	18	1		2	1	13	9	11	16	1	4	1	6
20-99 employees	64	13				2	4	1	9			1		1	6	7	8	2	5	1	4
100 employees and over	35	1		1			1	5	1			2			8	2	8	2	3		1
Branch:																					
1-19 employees	36	7				3			5	2				6	1	2	6	2			2
20-99 employees	11	1			1				1							3	1	1	2		1
100 employees and over	9												1		3	1			1		3
Calhoun:																					
1-19 employees	102	24		1		7	1		17	3				11	4	10	14	1	2	2	5
20-99 employees	34	12				1		1	5	1					4	2	1	1	3	1	2
100 employees and over	31	4						3	1						2	9	8	2	2		
Cass:																					
1-19 employees	32	6			2	5			4					3		5	2		1		4
20-99 employees	6					1								1		1	2	1			
100 employees and over	4														1	1			1		1
Charlevoix:																					
1-19 employees	19	3				7			3					3		1	1		1		
20-99 employees	6	2					1						1		1				1		
100 employees and over	1												1								
Cheboygan:																					
1-19 employees	14	2				6			1					1		1	1		1		1
20-99 employees	4						1									2	1				
100 employees and over	2				1			1													
Chippewa:																					
1-19 employees	16	5	1			7			1					1	1						
20-99 employees	5	1			1	2			1												
100 employees and over	3					1				1			1								
Clare:																					
1-19 employees	12	3				2			2					3			1				1
20-99 employees	1	1																			
100 employees and over	1																		1		
Clinton:																					
1-19 employees	23	5				5			3					1	2		5		1		1
20-99 employees	4	1									1						2				
100 employees and over	3	1															2				
Crawford:																					
1-19 employees	6	2				2			1					1							
20-99 employees	3					2															1
Delta:																					
1-19 employees	38	12			1	5	3		4					5	3	2	1	1	1		
20-99 employees	10	1			1	1	2		1									2			2
100 employees and over	6					4		2													
Dickinson:																					
1-19 employees	26	10				7	1		3	1				3							1
20-99 employees	6	1			1	1			1						1	1					
100 employees and over	4				1	1				1							1				

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Eaton:																					
1-19 employees	39	9			1	5	1		7	1				5		4	5				1
20-99 employees	16	2		1		2	2		1	1				3	1	1	2				
100 employees and over	3			1			1														
Emmet:																					
1-19 employees	20	2				5	2		4					3	1			1			2
20-99 employees	5	1				2									1	1					
100 employees and over	2												1	1							
Genesee:																					
1-19 employees	168	29			2	6	8		27	4	1			19	5	24	22	2	6	2	11
20-99 employees	31	15				1	1		3	1				1		6	2		1		
100 employees and over	15			1			1		1	1					2		2		7		
Gladwin:																					
1-19 employees	5	1							1					3							
Gogebic:																					
1-19 employees	20	5	1			5			4					4							1
20-99 employees	7	1				4			1				1								
100 employees and over	4					3													1		
Grand Traverse:																					
1-19 employees	31	5				9			5				1	5	1	1	2				2
20-99 employees	11	5			1				1								3				1
100 employees and over	6	2														1	1		1		1
Gratiot:																					
1-19 employees	18	4				1			3	1				2	2	2	2		1		
20-99 employees	8	3							1					1	1		2				
100 employees and over	10	1					1			1	2							1	4		
Hillsdale:																					
1-19 employees	32	10			1	3			7					4	1	2					4
20-99 employees	15	1			1		2		1				1		1	2	1	1	2		2
100 employees and over	5	1			1												1		2		
Houghton:																					
1-19 employees	38	13				13			4		1			4		2	1				
20-99 employees	25	6			1	12			2	1					3						
100 employees and over	1														1						
Huron:																					
1-19 employees	38	8				7			5					8		4	3	1			2
20-99 employees	9	4				1								1		2			1		
100 employees and over	2	1								1											
Ingham:																					
1-19 employees	119	15			5	7	2		29	3				9	5	12	18	1	4	1	8
20-99 employees	35	9		1		1			4	1				1	1	2	13			1	1
100 employees and over	27	1					1		2	1					7	4	4	1	6		
Ionia:																					
1-19 employees	30	11				3	1	1	6	1				2			4		1		
20-99 employees	16	2		1	2	1	3		1					1	1	3	1				
100 employees and over	8	2		1											1	1			3		
Iosco:																					
1-19 employees	16	1				6	1		1					2			1	1	2		1
100 employees and over	1													1							
Iron:																					
1-19 employees	17	6			1	6			2												2
20-99 employees	5					5															
Isabella:																					
1-19 employees	19	10				3			4							1	1				
20-99 employees	6	3							1	1	1										
100 employees and over	1															1					
Jackson:																					
1-19 employees	150	23			2	4			16	4	1			10	4	33	41	3	5		4
20-99 employees	46	6							2	1				3	4	15	12		3		
100 employees and over	34				3		1		1			1		1	2	8	4	3	10		
Kalamazoo:																					
1-19 employees	140	23	1	1	2	2	1	1	25	7	2		1	9	8	13	25	5	3	3	8
20-99 employees	63	9			4	2	1	6	6	7	1			2	3	5	10		4		3
100 employees and over	48	2			1			21	3	1					3	5	4	1	4		3
Kalkaska:																					
1-19 employees	5	2				1			1					1							
Kent:																					
1-19 employees	422	64	1	3	8	21	44	5	78	15	5		1	22	14	58	50	6	3	2	22
20-99 employees	181	20	2	3	2	9	41	4	18	5		1	2	6	11	27	17	3	4		6
100 employees and over	91	9		3	1	3	23	3	3	1		1	2	2	2	14	10	2	9		3
Keweenaw:																					
1-19 employees	4	1				1	1														1
20-99 employees	1					1															
100 employees and over	1					1															
Lake:																					
1-19 employees	1								1												
Lapeer:																					
1-19 employees	29	10				4			4	1				3		5			1		1
20-99 employees	6			1	1	1									1	1	1				
100 employees and over	4														2	2					
Leelanau:																					
1-19 employees	8	1			1	3			1					1		1					
20-99 employees	2	2																			
Lenawee:																					
1-19 employees	79	15	1	1	1	5	2		8	2	1	1		4	4	9	22		2		1
20-99 employees	23	5			2	2		1	1	1		1		1	1	3	3	1	1		
100 employees and over	20	2		1			2	1						1	4	2	4	1	2		
Livingston:																					
1-19 employees	33	4				2	1		4	1				4	1	4	8		1		3
20-99 employees	13					1			1	1				2	3	1	2		1		1
100 employees and over	3													1		1		1			
Luce:																					
1-19 employees	8	2				3			1					2							
20-99 employees	2					2															
100 employees and over	1					1															

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Mackinac:																					
1-19 employees	9	2				5			1					1							
Macomb:																					
1-19 employees	262	13		2	2	6	3	3	10	3	1	3		15	7	63	99		17	3	12
20-99 employees	45	2				2	1		1					2	1	8	18	3	3	1	3
100 employees and over	19													1	3	4	8	1	2		
Manistee:																					
1-19 employees	24	5			1	5		1	2	1				4		2					3
20-99 employees	12	1			3		2	1	1				1	1							2
100 employees and over	9				1			2		2			1		1		1		1		
Marquette:																					
1-19 employees	26	10				7			4		1			2					1	1	
20-99 employees	13	1			3	5			2	1							1				
100 employees and over	6				1	3				1							1				
Mason:																					
1-19 employees	27	9				4	1		3					2			3		2		3
20-99 employees	12	3			1	1	3		1					1	1	1					
100 employees and over	4						1										1		1	1	
Mecosta:																					
1-19 employees	13	6				1	2		2					2							
20-99 employees	11	2			1	1	3		1				1			1	1				
100 employees and over	1																1				
Menominee:																					
1-19 employees	41	14				17	1		2	1				2		2	2				
20-99 employees	11	3				3	1	1	1					1			1				
100 employees and over	7	1			1		1	2									1	1			
Midland:																					
1-19 employees	17	2				1			1					1	1	2	3		1	1	4
20-99 employees	6	1							2	1	1			1							
100 employees and over	4									3					1						
Missaukee:																					
1-19 employees	3	1				1			1												
Monroe:																					
1-19 employees	55	12			1	2	1		7		2			5	3	4	10		1		7
20-99 employees	17	4					1	3	1					1	1	2	1	1	1		1
100 employees and over	16							8							2	1	1	1	3		
Montcalm:																					
1-19 employees	33	4			1	7	1		8	1	1			3	1	3			1		2
20-99 employees	9	5											1			1	2				
100 employees and over	5	1											1				3				
Montmorency:																					
1-19 employees	7	1				4			1										1		
Muskegon:																					
1-19 employees	113	20			4	4	2		14	4		1		12	4	13	23		4		8
20-99 employees	40	7					1	1	1		3		1		6	7	11				2
100 employees and over	38						5	2	2				2		8	1	13		4		1
Newaygo:																					
1-19 employees	23	6				5			4	1				5							2
20-99 employees	5	2				1											1				1
100 employees and over	1	1																			
Oakland:																					
1-19 employees	423	20		2	3	18	10	1	34	13	1	3		29	12	90	130	12	15	7	23
20-99 employees	117	9				2		2	2	3				5	6	25	46	2	10	1	4
100 employees and over	27					1		1	1	1		1			5	4	6		7		
Oceana:																					
1-19 employees	20	10			1	4			3						1			1			
20-99 employees	11	6			1	1										2	1				
Ogemaw:																					
1-19 employees	10	4				1			2		1			2							
20-99 employees	2	1									1										
Ontonagon:																					
1-19 employees	17	4				12			1												
20-99 employees	6	1				4		1													
100 employees and over	4					3		1													
Osceola:																					
1-19 employees	9	2				4			1					1			1				
20-99 employees	4	1				1					1					1					
Oscoda:																					
1-19 employees	7					4			1					2							
Otsego:																					
1-19 employees	9	1				3			2					2			1				
20-99 employees	2																1		1		
100 employees and over	1																		1		
Ottawa:																					
1-19 employees	106	25	1	1	2	17	7		11	3		1	1	7	2	8	6	2	4	1	7
20-99 employees	47	6		1	4	3	6		3	3				1	1	7	8		2		2
100 employees and over	27	2					6						3			6	4	1	3		2
Presque Isle:																					
1-19 employees	6				1	1			2					1			1				
Roscommon:																					
1-19 employees	8					2			2					3					1		
Saginaw:																					
1-19 employees	124	30	2	1	2	6	4	2	20	4				17	6	4	16		5	2	3
20-99 employees	45	10			1		1	2	1	2	1		1	1	2	3	14		5		1
100 employees and over	28	5			1	1	1		1					1	4	2	4		8		
St. Clair:																					
1-19 employees	76	15			2	8			10	2	1			9	2	10	12	1	2		2
20-99 employees	19	5			3					1						5	3		2		
100 employees and over	21			2				4	1	2		1		2	5		1		2		1
St. Joseph:																					
1-19 employees	53	8				2	3		8	2			2	2	2	4	12		3	1	4
20-99 employees	29	3			1		3	3	3	1					3	2	4	2	1		3
100 employees and over	19			2		1	4	4	1							1	3	1	1	1	
Sanilac:																					
1-19 employees	33	9				3	2		6					6		3	1	1	2		
20-99 employees	3	1																	2		
100 employees and over	1															1					

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Schoolcraft:																					
1-19 employees	11	2			1	5			1												2
20-99 employees	6					4		1									1				
100 employees and over	1							1													
Shiawassee:																					
1-19 employees	37	8			1	3			6	2				7	1	3	5	1			
20-99 employees	13	2					2		1						1	3	2		1		1
100 employees and over	9	1					3							1		1	1	2			
Tuscola:																					
1-19 employees	27	8				3			5	1				5	1	2	2				
20-99 employees	5	2																	2		1
100 employees and over	2	1													1						
Van Buren:																					
1-19 employees	48	14			2	4			10					4	3	3	6			1	1
20-99 employees	18	6			1	2			1						2		3		1		2
100 employees and over	9	2				1									2	1	1	1			1
Washtenaw:																					
1-19 employees	100	10		1	1	4	1		23	4	1			9	1	15	15	5	4	1	5
20-99 employees	39	6				3			3					1	4	5	9	1	3	2	2
100 employees and over	25							2	3						1	4	5	2	4	3	1
Wayne:																					
1-19 employees	2,487	260	5	10	85	59	80	14	355	110	19	10	9	85	71	394	644	43	67	36	131
20-99 employees	917	96	2	5	32	15	31	12	82	37	10	3	8	32	54	155	235	20	36	8	44
100 employees and over	468	44	3	4	5	6	3	13	17	23	5	3	2	13	51	84	94	13	74	3	8
Wexford:																					
1-19 employees	20	4			1	3			4					4	2		1		1		
20-99 employees	9	2		1	1	1			1						2		1				
100 employees and over	7					1	2					1			1				2		

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month											
				Number of employees											
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	$3,090,668	973,675	963,932	945,321	968,912	975,225	975,344	943,907	966,277	946,057	961,361	967,202	962,924	972,946	981,710
20	Food and kindred products	133,088	47,626	46,104	43,157	41,250	41,424	42,378	43,723	46,020	48,570	52,491	50,149	49,676	48,857	45,553
21	Tobacco manufactures	1,714	906	876	981	928	941	921	820	816	785	787	839	893	897	903
22	Textile mill products	14,916	5,996	5,990	6,072	6,172	6,197	6,051	5,837	5,884	5,701	5,872	5,952	6,030	6,043	6,067
23	Apparel and related products	19,387	9,103	8,673	8,642	8,868	8,944	8,963	9,051	8,938	8,274	8,648	8,660	8,799	8,157	8,130
24	Lumber and products, exc. furniture	39,103	16,083	15,633	15,826	16,114	15,960	15,442	15,375	15,644	15,515	14,815	15,873	15,852	15,533	15,646
25	Furniture and fixtures	63,209	22,314	21,821	21,752	21,896	21,798	21,556	21,309	21,271	20,938	21,479	21,517	22,362	22,750	23,220
26	Paper and allied products	82,535	26,022	26,014	25,714	25,794	26,191	25,969	26,259	26,229	25,785	25,738	25,971	25,978	26,115	26,424
27	Printing and publishing industries	74,751	21,677	21,501	20,944	21,123	21,221	21,474	21,351	21,467	21,003	21,446	21,638	22,038	22,158	22,149
28	Chemicals and allied products	111,135	33,940	33,719	33,544	33,873	34,030	34,274	33,975	33,796	33,434	33,722	33,692	33,427	33,484	33,372
29	Petroleum and coal products	12,323	3,479	3,477	3,400	3,388	3,440	3,382	3,438	3,442	3,443	3,494	3,487	3,614	3,638	3,561
30	Rubber products	56,623	15,417	15,397	16,319	16,133	16,035	15,935	14,737	14,844	14,814	15,235	15,275	15,283	15,103	15,052
31	Leather and leather products	11,638	4,357	4,301	4,123	4,230	4,237	4,302	4,271	4,320	4,261	4,315	4,316	4,367	4,385	4,485
32	Stone, clay, and glass products	45,994	15,669	15,470	14,645	14,660	14,867	15,120	15,210	15,470	15,396	15,818	16,177	16,189	16,132	15,958
33	Primary metal industries	305,439	92,606	92,168	94,082	94,514	94,387	93,950	93,145	93,000	89,046	90,510	91,314	90,994	90,560	90,513
34	Fabricated metal products	286,706	90,853	88,887	88,183	86,660	90,569	89,897	88,265	88,359	86,920	87,389	90,430	90,348	88,651	90,977
35	Machinery (except electrical)	489,277	143,171	140,882	141,915	144,269	145,255	145,061	142,648	141,312	135,328	137,096	137,975	138,987	139,479	141,253
36	Electrical machinery	63,834	22,049	21,920	22,339	22,304	22,634	22,463	22,325	21,469	20,629	20,816	21,289	21,792	22,507	22,477
37	Transportation equipment	1,230,723	384,773	384,328	366,564	389,697	390,039	391,361	365,322	387,560	380,089	385,485	386,130	379,123	391,415	399,169
38	Instruments and related products	13,733	4,840	4,715	4,839	4,766	4,719	4,696	4,733	4,584	4,666	4,611	4,726	4,804	4,756	4,677
39	Miscellaneous manufactures	34,540	12,794	12,056	12,280	12,273	12,337	12,149	12,113	11,852	11,460	11,594	11,792	12,368	12,326	12,124

TABLE 9.—DETAILED STATISTICS FOR THE STATE, AND ITS STANDARD METROPOLITAN AREAS AND PRINCIPAL INDUSTRIAL COUNTIES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State	Standard metropolitan areas			Principal industrial counties [1]						
		Detroit	Flint	Grand Rapids	Ingham	Kalamazoo	Muskegon	Oakland	Saginaw	Washtenaw	Wayne
ALL ESTABLISHMENTS											
Number of establishments	9,892	4,765	214	694	181	251	191	567	197	164	3,872
Number of employees (average for the year)	973,675	555,788	55,159	49,241	25,852	20,867	30,187	44,566	21,756	23,065	496,562
Salaries and wages, total	$3,090,668	$1,846,606	$171,859	$147,276	$84,895	$65,223	$97,098	$149,426	$65,262	$80,357	$1,648,218
Value added by manufacture	$5,196,338	$2,910,650	$324,507	$255,255	$155,054	$150,412	$142,616	$261,462	$113,885	$120,298	$2,544,396
Establishments by employment size group:											
1-4 employees	3,176	1,467	79	197	55	61	58	213	59	58	1,117
5-9 employees	1,849	905	53	111	41	58	31	123	39	27	710
10-19 employees	1,453	800	36	114	23	21	24	87	26	15	660
20-49 employees	1,530	796	24	113	25	40	24	89	32	27	672
50-99 employees	696	283	7	68	10	23	16	28	13	12	245
100-249 employees	620	244	5	52	19	24	21	13	15	15	223
250-499 employees	249	100	2	21	1	14	5	6	5	3	87
500-999 employees	164	76	3	9	1	8	5	4	1	3	70
1,000-2,499 employees	90	46	1	7	3	2	4	1	5	3	44
2,500 employees and over	65	48	4	2	3	----------	3	3	2	1	44
ESTABLISHMENTS REPORTING DETAILED STATISTICS											
Number of establishments	7,105	3,453	144	529	124	189	142	392	154	113	2,853
Number of employees (average for the year)	960,891	549,592	54,842	48,526	25,620	20,531	29,996	43,651	21,585	22,793	491,916
Salaries and wages, total	$3,061,598	$1,830,164	$171,084	$145,894	$84,379	$64,472	$96,672	$146,745	$64,925	$79,641	$1,636,176
Value added by manufacture	$5,144,962	$2,882,057	$323,097	$252,743	$154,144	$149,039	$141,870	$257,200	$113,276	$119,267	$2,522,900
Number of employees for pay period ended nearest Oct. 15:											
All employees	962,567	548,167	54,439	47,475	26,079	20,490	30,067	45,015	21,989	24,525	488,542
Male	808,111	470,645	47,655	36,722	23,308	15,472	25,612	38,671	18,982	20,059	419,606
Female	154,456	77,522	6,784	10,753	2,771	5,018	4,455	6,344	3,007	4,466	68,936
Production workers	812,076	461,033	47,304	40,180	21,516	16,853	25,335	37,061	18,903	19,608	411,216
Male	698,228	405,422	42,394	31,609	19,928	13,142	22,261	32,905	16,706	16,240	361,503
Female	113,848	55,611	4,910	8,571	1,588	3,711	3,074	4,156	2,197	3,368	49,713
Force-account construction workers	1,402	942	1	15	----------	2	49	----------	10	74	938
Administrative, supervisory, sales, and all other	149,089	86,192	7,134	7,280	4,563	3,635	4,683	7,954	3,076	4,843	76,388
Male	108,491	64,286	5,260	5,101	3,380	2,328	3,303	5,766	2,267	3,745	57,170
Female	40,598	21,906	1,874	2,179	1,183	1,307	1,380	2,188	809	1,098	19,218
Expenditures for plant and equipment:											
New plant and equipment	$427,746	$238,738	$29,579	$15,006	$6,522	$17,379	$6,497	$38,106	$9,824	$10,905	$196,517
Construction and major alteration of fixed plants	119,254	62,772	5,310	4,623	1,664	7,708	1,581	12,680	3,587	1,953	48,933
Buildings	94,247	52,308	4,994	4,168	1,426	1,831	1,423	12,043	3,369	1,916	39,218
Other construction	25,007	10,464	316	455	238	5,877	158	637	218	37	9,715
Machinery and equipment	308,492	175,966	24,269	10,383	4,858	9,671	4,916	25,426	6,237	8,952	147,584
Production machinery and equipment	271,788	153,120	21,320	9,187	3,965	8,981	4,491	18,473	5,643	8,116	132,306
Other machinery and equipment	36,704	22,846	2,949	1,196	893	690	425	6,953	594	836	15,278
Used plant and equipment and land	35,948	20,366	992	717	1,300	2,045	1,178	1,415	481	983	18,683

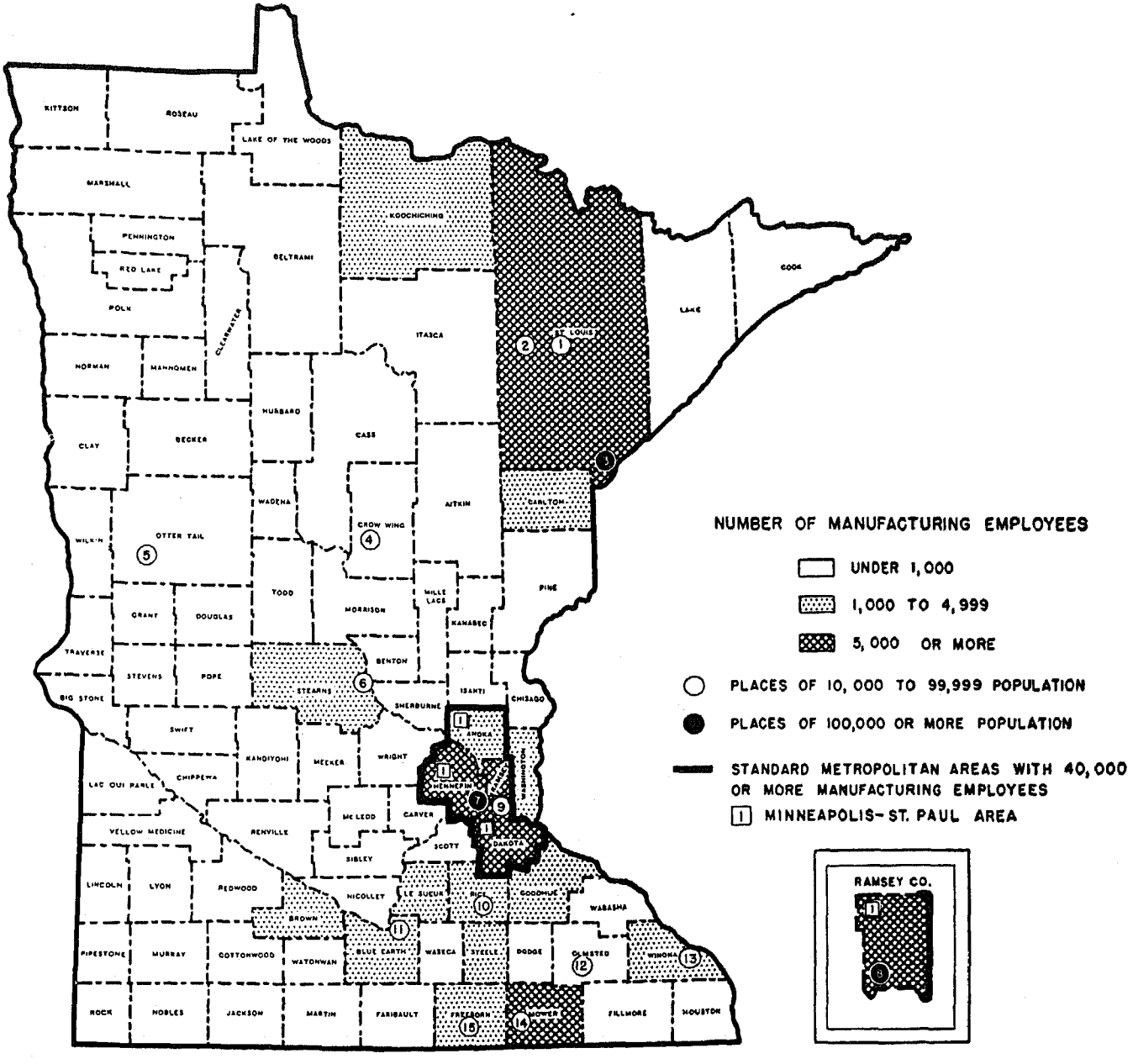
[1] *Genesee* and *Kent* Counties, both principal industrial counties, are coextensive with the *Flint* and *Grand Rapids* Metropolitan Areas, respectively.

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	14,027	5,295	5,678	2,585	233	162	74	108	744
Van	1,258	----------	494	627	58	57	22	----------	----------
Stake or platform	4,990	736	2,880	1,181	106	60	27	----------	----------
Panel or light delivery	4,959	3,899	1,060	----------	----------	----------	----------	----------	----------
All other	2,820	660	1,244	777	69	45	25	----------	----------
Truck tractors	1,786	58	376	838	276	139	99	----------	----------
Trailers and semitrailers	2,640	----------	----------	----------	----------	----------	----------	190	70

MINNESOTA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Albert Lea	15	Mankato	11
Austin	14	Minneapolis	7
Brainerd	4	Rochester	12
Duluth	3	St. Cloud	6
Faribault	10	St. Paul	8
Fergus Falls	5	South St. Paul	9
Hibbing	2	Virginia	1
		Winona	13

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND THE MINNEAPOLIS-ST. PAUL METROPOLITAN AREA: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only standard metropolitan areas with 40,000 or more manufacturing employees in 1947 are included in this report]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
MINNESOTA						
1947	4,567	179,986	$501,355	145,153	$358,863	$1,022,586
1939 [3]	3,735	102,179	143,397	78,023	95,273	306,840
1937	3,718	107,349	143,316	89,925	107,393	312,898
1935 [4]	3,701	92,992	110,711	76,241	77,974	245,507
1933	3,312	n.a.	n.a.	69,633	64,024	201,540
1931	3,864	n.a.	n.a.	80,753	92,929	261,747
1929	4,315	124,231	180,142	103,414	132,418	404,995
1927	3,886	n.a.	n.a.	98,833	123,619	340,336
1925	3,888	n.a.	n.a.	100,614	123,767	331,132
1923	3,900	n.a.	n.a.	103,964	125,531	315,452
1921	4,089	n.a.	n.a.	85,804	107,250	264,973
1919	5,633	140,414	169,843	113,781	124,811	327,921
1914	5,824	109,950	80,191	92,378	58,140	155,800
1909	5,561	99,030	62,923	84,767	47,471	127,797
1904	4,756	78,777	44,876	69,636	35,843	97,304
1899	4,096	71,182	35,093	64,557	29,029	73,394
MINNEAPOLIS-ST. PAUL METROPOLITAN AREA [Consists of Anoka, Dakota, Hennepin, and Ramsey Counties, Minnesota]						
1947	2,117	118,824	346,278	93,966	239,110	714,565
1939 [3]	1,626	65,359	97,870	48,710	62,577	203,011
1929 [5]	1,939	71,504	106,045	58,342	73,833	261,080
1919	2,389	n.a.	n.a.	67,138	73,866	212,398

n.a.—Not available.

[1] The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures reported for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $310.6 million for the State and $204.7 million for the Minneapolis-St. Paul Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935-47 exclude, whereas those for 1899-1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $259.0 million. The comparability of the figures for 1899-1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] For the Minneapolis-St. Paul Metropolitan Area, the figures for 1929-47 exclude, whereas those for 1919 include, data for those industries given in footnote [4] above which were represented in the area. Value added by manufacture for 1929, including data for these industries, was $277.9 million. The comparability of the figures for 1919 with those for later years is also affected by the inclusion of data for the "Automobile repairing" industry in 1919.

TABLE 2.—GENERAL STATISTICS FOR THE MINNEAPOLIS-ST. PAUL METROPOLITAN AREA, COUNTIES, AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**2,792,300**	**4,567**	**179,986**	**$501,355**	**145,153**	**$358,863**	**$1,022,586**	**3,735**	**78,023**	**$306,840**
STANDARD METROPOLITAN AREA										
Minneapolis-St. Paul area	940,937	2,117	118,824	346,278	93,966	239,110	714,565	1,626	48,710	203,011
COUNTIES										
Aitkin	17,865	27	193	309	175	278	656	16	105	156
Anoka	22,443	30	2,148	6,317	1,822	4,855	14,022	22	666	3,138
Becker	26,562	29	239	466	193	367	941	21	92	241
Beltrami	26,107	36	700	1,278	617	1,051	2,227	24	283	605
Benton	16,106	25	455	1,154	381	957	2,518	29	471	1,276
Big Stone	10,447	9	98	158	80	127	344	8	21	72
Blue Earth	36,203	71	1,613	3,848	1,274	2,609	8,442	56	510	2,390
Brown	25,544	41	1,381	3,382	1,125	2,409	7,408	47	712	2,488
Carlton	24,212	30	3,117	7,951	2,710	6,250	16,719	30	1,807	7,164
Carver	17,606	29	460	1,055	394	876	2,728	27	299	762
Cass	20,646	36	341	615	295	524	1,250	22	163	238
Chippewa	16,927	15	233	427	141	260	674	17	114	365
Chisago	13,124	26	305	661	269	555	1,452	28	144	450
Clay	25,337	17	171	353	103	235	742	19	134	570
Clearwater	11,153	19	81	116	73	105	256	11	49	78
Cook	3,030	20	135	272	130	255	431	7	43	(d)
Cottonwood	16,143	24	78	130	67	115	303	13	32	79
Crow Wing	30,226	45	733	1,763	585	1,301	3,737	26	365	951
Dakota	39,660	36	7,845	23,687	6,442	18,399	32,567	24	4,456	13,983
Dodge	12,931	11	88	167	81	139	299	19	67	165
Douglas	20,369	33	377	709	292	531	1,216	28	93	309
Faribault	23,941	29	833	1,383	747	1,155	3,034	30	450	981
Fillmore	25,830	28	171	322	131	246	783	30	135	271
Freeborn	31,780	51	2,840	8,251	2,493	6,105	17,026	43	1,241	3,238
Goodhue	31,564	66	2,410	5,716	2,097	4,526	16,459	63	1,358	3,411

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE MINNEAPOLIS-ST. PAUL METROPOLITAN AREA, COUNTIES, AND URBAN PLACES: 1947 AND 1939—Continued

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Con.										
Grant	9,828	9	46	$81	35	$68	$229	10	22	$78
Hennepin	568,899	1,410	66,450	185,501	52,106	130,214	386,144	1,051	26,735	108,130
Houston	14,735	18	71	112	61	102	200	16	34	118
Hubbard	11,085	23	190	290	182	278	740	10	22	75
Isanti	12,950	28	271	487	236	390	891	17	72	215
Itasca	32,996	33	511	1,431	437	1,164	3,248	32	524	1,324
Jackson	16,805	12	69	103	58	91	200	15	49	124
Kanabec	9,651	12	146	376	119	284	765	10	32	92
Kandiyohi	26,524	28	268	540	220	428	1,110	24	116	458
Kittson	10,717	11	27	42	20	34	180	7	19	59
Koochiching	16,930	21	1,771	(d)	1,490	(d)	(d)	14	1,300	(d)
Lac qui Parle	15,509	10	103	156	87	98	334	12	26	89
Lake	6,956	13	159	278	150	266	396	6	25	77
Lake of the Woods	5,975	8	30	(d)	21	(d)	(d)	7	16	(d)
Le Sueur	19,227	30	1,314	2,525	1,233	2,171	7,063	21	777	2,540
Lincoln	10,797	10	65	89	49	62	195	11	40	89
Lyon	21,569	27	553	1,070	460	857	2,296	20	138	420
McLeod	21,380	27	551	1,251	471	955	3,231	31	177	883
Mahnomen	8,054	6	30	(d)	22	(d)	(d)	5	23	(d)
Marshall	18,364	16	60	99	49	78	215	13	28	87
Martin	24,656	30	983	2,627	665	1,766	4,438	30	663	1,444
Meeker	19,277	25	465	943	392	757	2,368	32	161	404
Mille Lacs	15,558	25	165	316	139	271	663	17	46	145
Morrison	27,473	44	738	1,416	665	1,240	3,116	32	128	465
Mower	36,113	38	5,135	(d)	4,032	(d)	(d)	34	3,107	(d)
Murray	15,060	8	58	117	50	95	163	6	17	70
Nicollet	18,282	26	247	517	188	351	859	19	106	410
Nobles	21,215	20	287	549	245	438	1,560	12	197	(d)
Norman	14,746	13	87	171	70	149	234	13	29	80
Olmsted	42,658	38	697	1,939	527	1,298	3,313	34	372	1,469
Otter Tail	53,192	59	741	1,597	594	1,225	2,443	45	293	829
Pennington	12,913	14	262	469	218	366	864	17	91	259
Pine	21,478	32	265	508	217	402	1,249	25	74	256
Pipestone	13,794	17	211	406	166	292	910	19	113	351
Polk	37,734	37	616	1,575	508	1,229	4,649	36	263	1,293
Pope	13,544	11	98	196	79	160	438	18	61	173
Ramsey	309,935	641	42,381	130,773	33,596	85,642	281,832	529	16,853	77,760
Red Lake	7,413	8	49	108	44	95	280	11	62	136
Redwood	22,290	27	190	346	135	236	762	18	54	210
Renville	24,625	21	163	329	138	286	941	21	60	174
Rice	32,160	44	1,495	3,108	1,286	2,479	7,476	46	757	2,320
Rock	10,933	17	135	298	101	202	574	7	30	124
Roseau	15,103	14	107	208	81	161	297	17	45	122
St. Louis	206,917	261	11,543	30,300	9,837	24,127	46,228	204	4,530	18,001
Scott	15,585	27	711	2,103	603	1,554	4,613	19	143	1,265
Sherburne	10,456	8	106	(d)	89	(d)	(d)	8	46	(d)
Sibley	16,625	27	269	530	242	456	1,282	17	155	352
Stearns	67,200	111	1,836	4,165	1,487	3,090	8,840	97	1,024	3,599
Steele	19,749	46	1,106	2,950	890	2,000	6,887	43	370	1,502
Stevens	11,039	10	76	162	57	120	427	12	32	98
Swift	15,469	11	216	479	190	414	971	16	110	430
Todd	27,438	24	312	716	262	557	1,371	25	198	404
Traverse	8,283	4	28	(d)	22	(d)	(d)	3	9	(d)
Wabasha	17,653	29	477	1,149	398	928	2,429	21	251	997
Wadena	12,772	22	201	339	151	273	664	22	85	247
Waseca	15,186	27	696	1,434	581	1,207	2,961	22	128	358
Washington	26,430	37	2,831	7,939	2,393	6,316	11,177	32	1,603	(d)
Watonwan	13,902	24	370	811	313	689	1,251	20	113	222
Wilkin	10,475	6	65	125	54	100	259	7	28	98
Winona	37,795	86	3,239	8,154	2,703	5,986	16,683	76	1,264	5,862
Wright	27,550	44	473	910	417	709	2,610	46	318	796
Yellow Medicine	16,917	19	126	229	105	199	265	15	49	122
URBAN PLACES										
Albert Lea	12,200	25	1,718	(d)	1,452	(d)	(d)	17	412	(d)
Austin	18,307	17	4,928	(d)	3,877	(d)	(d)	20	3,030	(d)
Brainerd	12,071	26	656	1,652	519	1,206	3,481	17	320	903
Duluth	101,065	146	10,424	28,257	8,851	22,427	42,298	144	4,019	16,729
Faribault	14,527	28	1,296	2,598	1,133	2,096	5,491	28	630	1,656
Fergus Falls	10,848	22	471	1,042	362	762	1,564	15	168	(d)
Hibbing	16,385	8	130	282	93	199	566	15	50	291
Mankato	15,654	49	1,429	3,485	1,105	2,263	7,512	35	461	2,277
Minneapolis	492,370	1,310	61,942	173,580	48,451	121,120	361,496	1,009	25,910	103,554
Rochester	26,312	27	496	1,411	349	832	2,123	19	221	969
St. Cloud	24,173	59	1,352	3,068	1,097	2,191	6,794	50	681	2,224
St. Paul	287,736	601	40,631	126,270	32,273	82,557	272,751	507	16,142	75,479
South St. Paul	11,844	17	6,746	(d)	5,440	(d)	(d)	10	3,912	(d)
Virginia	12,264	19	265	576	219	435	979	16	105	441
Winona	22,490	65	3,066	7,873	2,556	5,753	16,147	54	1,209	5,711

d Withheld to avoid disclosing figures for individual companies.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947										1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	4,567	179,986	$501,355	145,153	305,666	$358,863	$1,022,586	$82,800	$29,438	$53,362	3,735	78,023	$306,840
20	Food and kindred products	1,363	46,565	128,568	36,919	82,166	93,697	279,258	24,510	9,301	15,209	1,646	25,825	116,178
22	Textile mill products	40	4,678	10,930	4,225	8,288	9,063	15,456	788	120	668	27	3,152	7,214
23	Apparel and related products	199	9,036	19,084	7,809	14,814	14,124	33,684	1,731	798	933	142	4,769	9,481
24	Lumber and products, exc. furniture	408	6,327	14,709	5,651	11,879	12,023	24,303	1,759	930	829	178	3,953	8,809
25	Furniture and fixtures	113	3,182	8,268	2,744	5,703	6,155	13,201	723	354	369	79	1,760	4,271
26	Paper and allied products	56	8,943	26,040	7,717	17,711	20,657	61,942	10,607	2,364	8,243	48	4,606	15,819
27	Printing and publishing industries	737	18,143	64,465	11,894	23,853	32,424	105,343	4,017	1,180	2,837	650	7,517	37,091
28	Chemicals and allied products	177	4,952	13,680	3,456	7,382	7,997	68,205	6,074	3,225	2,849	139	1,409	10,827
29	Petroleum and coal products	27	1,552	4,570	1,228	2,652	3,396	11,807	1,537	810	727	26	635	2,852
31	Leather and leather products	27	1,636	3,799	1,455	2,921	3,025	8,000	103	12	91	20	1,149	2,379
32	Stone, clay, and glass products	308	3,612	8,357	3,249	7,572	7,035	15,706	1,712	426	1,286	157	3,328	17,615
33	Primary metal industries	85	6,971	20,212	6,229	12,638	17,113	29,393	1,797	756	1,041	47	2,583	9,147
34	Fabricated metal products	257	11,174	32,115	9,202	19,123	23,799	60,816	4,255	2,422	1,833	161	3,677	12,181
35	Machinery (except electrical)	371	24,068	67,829	19,489	40,288	50,673	128,933	7,171	2,634	4,537	185	7,447	30,228
36	Electrical machinery	79	15,088	41,884	11,611	23,807	27,839	68,469	10,562	2,596	7,966	43	852	3,297
37	Transportation equipment	62	3,403	9,814	2,735	5,539	7,231	21,056	521	198	323	44	1,360	5,678
39	Miscellaneous manufactures	208	8,886	22,982	8,009	16,523	19,388	69,972	4,521	1,224	3,297	113	2,264	8,288
	All other major industry groups	50	1,770	4,049	1,531	2,807	3,224	7,042	412	88	324	30	1,737	5,485

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
	All industries, total [1]	4,567	3,277	966	324	179,986	$501,355	78,023	145,153	$358,863	$1,022,586	$82,800
20	FOOD AND KINDRED PRODUCTS	1,363	995	289	79	46,565	128,568	25,825	36,919	93,697	279,258	24,510
201	Meat products	102	37	46	19	17,599	54,826	10,555	14,587	41,574	84,441	4,532
2011	Meat packing, wholesale	25	12	5	8	13,646	46,292	8,801	11,197	35,015	69,144	3,189
2013	Prepared meats	24	12	7	5	1,589	4,894	244	1,271	3,569	8,545	741
2015	Poultry dressing, wholesale	53	13	34	6	2,364	3,640	1,510	2,119	2,990	6,752	602
202	Dairy products	601	528	69	4	6,143	13,442	[2] 3,107	4,659	10,173	28,632	5,164
2021	Creamery butter	476	453	21	2	3,486	6,674	2,389	2,569	5,248	15,246	2,575
2022	Natural cheese	44	34	9	1	713	1,822	91	586	1,435	2,491	813
2023	Concentrated milk	46	21	24	1	1,211	2,849	271	1,031	2,336	7,375	1,083
203	Canning, preserving, and freezing	64	28	24	12	4,021	7,870	2,379	3,684	6,747	18,293	1,442
2033	Canning and preserving, except fish	37	11	17	9	2,999	5,558	2,211	2,842	4,791	14,411	1,297
204	Grain-mill products	211	156	41	14	5,721	17,810	2,774	4,513	13,038	60,936	3,233
2041	Flour and meal	53	22	21	10	3,696	12,478	2,228	3,010	9,494	40,021	1,735
2042	Prepared animal feeds	153	132	18	3	1,747	4,510	238	1,317	3,117	16,112	1,422
205	Bakery products	134	75	47	12	4,842	12,259	[2] 3,460	3,244	6,970	23,399	2,132
2051	Bread and other bakery products	124	71	44	9	3,888	10,112	3,038	2,501	5,545	17,629	2,002
2052	Biscuit, crackers, and pretzels	10	4	3	3	954	2,147	422	743	1,425	5,770	130
2071	Confectionery products	36	24	8	4	1,173	2,095	543	1,051	1,564	6,011	327
208	Beverages	145	105	33	7	4,642	14,539	2,307	3,276	9,571	42,176	6,656
2081	Bottled soft drinks	116	101	15	----------	1,259	3,223	389	628	1,358	6,606	2,673
2082	Malt liquors	17	1	10	6	2,781	9,385	1,654	2,216	7,005	27,110	3,773
2097	Manufactured ice	8	4	3	1	348	756	69	223	623	1,719	167
2099	Liquid, frozen, and dried eggs	10	3	5	2	658	1,195	(d)	615	1,074	2,790	139
	Food preparations, n.e.c.	35	23	11	1	832	2,040	177	589	1,139	5,648	443
21	TOBACCO MANUFACTURES	5	5	----------	----------	22	(d)	48	22	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	40	11	20	9	4,678	10,930	3,152	4,225	9,063	15,456	788
221	Woolen and worsted manufactures	6	1	3	2	697	1,895	371	593	1,315	2,270	215
225	Knitting mills	21	5	11	5	3,126	6,758	2,262	2,848	5,918	9,715	508
229	Miscellaneous textile goods	9	4	5	----------	304	632	150	276	525	1,202	8

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
23	APPAREL AND RELATED PRODUCTS	199	92	80	27	9,036	$19,084	4,769	7,809	$14,124	$33,684	$1,731
2311	Men's and boys' suits and coats	23	7	15	1	815	2,071	422	732	1,581	3,419	214
232	Men's and boys' furnishings	39	10	20	9	2,516	5,172	1,163	2,239	3,835	8,692	587
2321	Men's dress shirts and nightwear	8	----	8	----	389	705	(d)	360	562	1,184	(d)
2327	Separate trousers	6	1	4	1	267	410	150	256	373	1,058	7
2329	Men's and boys' clothing, n.e.c.	17	5	5	7	1,446	3,248	915	1,261	2,285	5,276	183
233	Women's and misses' outerwear	37	15	16	6	1,665	3,538	1,170	1,482	2,677	5,493	61
2333	Dresses, unit price	12	----	9	3	741	1,435	477	666	1,177	2,207	34
2334	Dresses, dozen price	10	4	5	1	443	714	401	399	571	1,373	6
2335	Women's suits and coats	8	4	2	2	435	1,329	(d)	372	872	1,797	20
234	Women's and children's undergarments	10	3	4	3	944	1,834	(d)	865	1,427	4,079	72
236	Children's outerwear	15	4	8	3	739	1,618	(d)	630	1,286	3,248	87
2369	Children's outerwear, n.e.c.	6	2	2	2	386	697	(d)	317	597	1,604	50
238	Miscellaneous apparel and accessories	14	5	6	3	829	1,898	760	617	1,149	3,117	44
2382	Fabric and combination work gloves	4	1	3	----	236	417	177	214	307	687	3
2386	Leather and sheep-lined clothing	5	1	2	2	436	1,140	481	318	716	1,884	33
239	Miscellaneous fabricated textiles	46	37	7	2	1,297	2,408	642	1,063	1,757	4,458	685
2393	Textile bags	4	1	1	2	717	1,270	376	570	959	2,556	668
2394	Canvas products	10	9	1	----	138	362	47	97	192	510	6
2399	Fabricated textile products, n.e.c.	14	12	2	----	252	432	28	221	369	690	8
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	408	342	55	11	6,327	14,709	3,953	5,651	12,023	24,303	1,759
242	Lumber and timber basic products	267	255	11	1	1,500	2,547	1,283	1,433	2,404	3,909	249
243	Millwork and related products	68	41	21	6	2,504	6,839	1,473	2,104	5,102	10,826	541
2431	Millwork plants	61	39	17	5	2,157	5,911	(d)	1,815	4,458	9,185	424
2433	Prefabricated wood products	7	2	4	1	347	928	(d)	289	644	1,641	117
244	Wooden containers	5	3	1	1	845	1,818	387	789	1,590	3,069	204
249	Miscellaneous wood products	43	27	13	3	1,478	3,505	810	1,325	2,927	6,499	765
2491	Wood preserving	11	1	9	1	588	1,626	470	517	1,392	3,633	179
25	FURNITURE AND FIXTURES	113	80	23	10	3,182	8,268	1,760	2,744	6,155	13,201	723
251	Household furniture	62	42	13	7	2,067	5,257	1,183	1,776	3,806	8,427	425
2512	Household furniture, upholstered	17	10	5	2	619	1,740	472	538	1,326	2,497	42
2515	Mattresses and bedsprings	11	7	1	3	661	2,031	423	521	1,197	3,559	274
2541	Partitions and fixtures	21	17	3	1	401	1,311	261	347	1,011	1,956	60
256	Screens, shades, and blinds	20	14	4	2	552	1,299	245	478	1,005	2,130	191
2561	Window and door screens	12	9	1	2	437	1,040	174	383	838	1,622	185
26	PAPER AND ALLIED PRODUCTS	56	11	24	21	8,943	26,040	4,606	7,717	20,657	61,942	10,607
261	Pulp, paper, and paperboard	17	----	4	13	5,487	17,041	3,701	4,764	14,272	44,428	9,830
2611	Pulp mills	7	----	3	4	1,354	4,038	(d)	1,175	3,307	11,561	1,925
2612	Paper and board mills	10	----	1	9	4,133	13,003	(d)	3,589	10,965	32,867	7,905
267	Paperboard containers and boxes	18	3	11	4	2,036	5,817	421	1,759	4,201	12,156	412
27	PRINTING AND PUBLISHING INDUSTRIES	737	617	95	25	18,143	64,465	7,517	11,894	32,424	105,343	4,017
2711	Newspapers	334	301	28	5	5,419	14,709	2,428	2,939	7,796	29,426	1,681
2721	Periodicals	56	48	8	----	600	1,906	392	90	240	4,526	25
2741	Miscellaneous publishing	10	8	2	----	114	256	(d)	11	22	431	----
2751	Commercial printing	235	186	36	13	4,888	14,200	2,155	3,690	9,520	22,282	1,154
278	Bookbinding and related industries	22	20	2	----	166	286	212	126	221	594	10
279	Printing trades service industries	40	28	11	1	654	2,404	359	511	1,784	4,120	166
2791	Typesetting	16	12	4	----	185	598	113	158	506	1,177	56
2793	Photoengraving	14	9	4	1	329	1,341	164	244	919	2,094	69
28	CHEMICALS AND ALLIED PRODUCTS	177	125	45	7	4,952	13,680	1,409	3,456	7,997	68,205	6,074
284	Soap and related products	28	25	3	----	238	701	56	108	218	1,480	35
2841	Soap and glycerin	8	5	3	----	113	301	36	41	86	527	11
2842	Cleaning and polishing preparations	20	20	----	----	125	400	20	67	132	953	24
288	Vegetable and animal oils	34	22	10	2	1,250	3,859	427	1,082	3,019	34,627	4,723
2882	Linseed oil mills	6	----	4	2	872	2,627	(d)	780	2,140	31,521	4,018
2886	Grease and tallow	25	20	5	----	343	1,096	46	276	800	2,738	639
289	Miscellaneous chemical products	55	37	15	3	2,163	5,411	310	1,489	2,955	22,568	569
2893	Toilet preparations	21	11	7	3	1,639	3,912	112	1,189	2,232	19,426	393
2896	Compressed and liquefied gases	6	3	3	----	155	395	81	89	231	1,135	105
2899	Chemical products, n.e.c.	20	19	1	----	121	345	37	61	157	625	1
29	PETROLEUM AND COAL PRODUCTS	27	13	8	6	1,552	4,570	635	1,228	3,396	11,807	1,537
2952	Roofing felts and coatings	6	1	3	2	409	1,368	192	352	1,080	4,268	790
299	Miscellaneous petroleum and coal products	15	11	3	1	361	958	75	236	530	2,803	358
2992	Lubricants, n.e.c.	10	6	3	1	316	849	(d)	198	439	2,529	347
30	RUBBER PRODUCTS	8	4	2	2	646	(d)	266	604	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	27	13	9	5	1,636	3,799	1,149	1,455	3,025	8,000	103
314	Footwear (except rubber)	10	3	3	4	972	2,041	716	864	1,666	4,115	51
32	STONE, CLAY, AND GLASS PRODUCTS	308	273	30	5	3,612	8,357	3,328	3,249	7,035	15,706	1,712
325	Structural clay products	11	8	2	1	331	859	339	292	668	1,188	71
327	Concrete and plaster products	245	226	18	1	1,768	4,072	595	1,602	3,479	8,124	1,356
3271	Concrete products	241	226	15	----	1,512	3,453	546	1,363	2,928	6,512	1,089
3281	Cut-stone and stone products	24	18	6	----	421	1,042	935	361	853	1,995	149
329	Miscellaneous nonmetallic mineral products	14	11	3	----	123	317	959	103	228	741	27

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
33	PRIMARY METAL INDUSTRIES	85	33	40	12	6,971	$20,212	2,583	6,229	$17,113	$29,393	$1,797
332	Iron and steel foundries	48	13	28	7	2,809	8,120	980	2,534	6,874	12,937	916
3321	Gray-iron foundries	45	13	28	4	2,241	6,369	687	2,052	5,529	10,357	750
34	FABRICATED METAL PRODUCTS	257	166	65	26	11,174	32,115	3,677	9,202	23,799	60,816	4,255
342	Cutlery, hand tools, and hardware	35	25	8	2	1,243	3,163	346	1,079	2,523	5,526	236
3423	Hand tools, n.e.c.	17	9	6	2	1,069	2,820	234	927	2,243	4,929	207
3429	Hardware, n.e.c.	13	11	2	----------	139	259	105	120	204	477	26
344	Structural metal products	81	48	22	11	4,697	14,018	1,627	3,798	10,383	25,254	1,866
3441	Structural and ornamental products	29	16	8	5	2,036	6,053	703	1,627	4,364	9,914	785
3443	Boiler shop products	11	4	3	4	1,568	4,863	297	1,247	3,516	9,565	403
346	Metal stamping and coating	84	57	24	3	2,159	6,011	460	1,838	4,512	10,604	1,379
3463	Metal stampings	42	23	16	3	1,727	4,878	345	1,447	3,578	8,768	1,325
3465	Enameling and lacquering	6	3	3	----------	105	259	(d)	98	237	395	19
3468	Plating and polishing	31	26	5	----------	304	826	94	271	652	1,356	35
3489	Wirework, n.e.c.	12	8	3	1	357	1,069	148	326	862	2,184	73
349	Miscellaneous fabricated metal products	17	12	3	2	543	1,678	191	429	1,147	2,879	160
35	MACHINERY (EXCEPT ELECTRICAL)	371	233	94	44	24,068	67,829	7,447	19,489	50,673	128,933	7,171
352	Tractors and farm machinery	65	40	16	9	6,951	20,187	1,782	5,634	15,757	42,801	2,616
353	Construction and mining machinery	18	6	7	5	3,231	9,135	711	2,555	6,726	19,306	467
354	Metalworking machinery	56	41	11	4	1,546	4,810	464	1,245	3,422	7,786	468
3541	Machine tools	6	3	2	1	426	1,450	57	356	1,012	2,248	145
3542	Metalworking machinery, n.e.c.	13	6	5	2	670	2,156	325	501	1,360	3,830	194
3543	Cutting tools, jigs, fixtures, etc.	37	32	4	1	450	1,204	82	388	1,050	1,708	129
355	Special-industry machinery, n.e.c.	69	50	13	6	1,923	5,935	801	1,428	3,959	10,832	729
3551	Food-products machinery	20	12	5	3	793	2,639	379	581	1,692	5,336	426
3553	Woodworking machinery	9	4	4	1	317	988	51	270	762	1,743	86
356	General industrial machinery	48	26	17	5	1,835	5,125	1,102	1,404	3,407	8,177	427
3561	Pumps and compressors	9	6	3	----------	179	537	605	151	422	805	43
3562	Elevators and escalators	3	1	2	----------	102	283	28	67	161	436	1
3563	Conveyors	9	4	4	1	494	1,348	(d)	364	877	1,921	111
3566	Power-transmission equipment	6	2	3	1	291	945	(d)	252	700	1,129	86
3569	General industrial machinery, n.e.c.	9	6	2	1	203	481	(d)	175	386	985	74
358	Service and household machines	52	22	19	11	6,435	17,145	1,903	5,366	13,031	30,262	1,785
3582	Laundry and dry-cleaning machinery	4	1	3	----------	158	468	27	125	329	973	36
3585	Refrigeration machinery	31	14	9	8	5,266	13,595	1,744	4,559	11,017	23,447	1,505
3589	Service and household machines, n.e.c.	10	5	4	1	375	1,302	59	229	550	2,386	89
3599	Machine shops	56	44	10	2	695	1,795	406	610	1,439	2,748	211
36	ELECTRICAL MACHINERY	79	38	25	16	15,088	41,884	852	11,611	27,839	68,469	10,562
361	Electrical industrial apparatus	36	16	12	8	8,949	25,075	338	6,894	16,482	46,844	3,104
3619	Electrical industrial apparatus, n.e.c.	7	3	3	1	288	674	(d)	239	465	1,110	20
366	Communication equipment	19	10	4	5	3,900	10,537	211	3,041	7,228	11,904	(d)
3691	Storage batteries	8	3	4	1	415	1,158	268	361	898	3,494	102
37	TRANSPORTATION EQUIPMENT	62	43	16	3	3,403	9,814	1,360	2,735	7,231	21,056	521
3732	Boat building and repairing	22	18	4	----------	245	508	n.a.	220	431	682	65
3799	Transportation equipment, n.e.c.	9	7	2	----------	134	345	(d)	112	268	523	19
38	INSTRUMENTS AND RELATED PRODUCTS	37	28	5	4	1,102	(d)	1,423	905	(d)	(d)	(d)
384	Medical instruments and supplies	18	15	3	----------	227	623	155	158	386	1,147	7
3842	Surgical appliances and supplies	14	12	2	----------	157	396	63	120	277	519	2
39	MISCELLANEOUS MANUFACTURES	208	155	41	12	8,886	22,982	2,264	8,009	19,388	69,972	4,521
394	Toys and sporting goods	50	40	7	3	887	1,864	403	793	1,485	2,979	256
3943	Children's vehicles	6	3	2	1	254	556	(d)	227	408	853	55
3949	Sporting and athletic goods	28	23	3	2	434	1,003	237	393	834	1,664	138
395	Office supplies	11	9	2	----------	109	255	42	78	169	378	8
399	Miscellaneous manufactures	103	75	23	5	3,676	9,419	1,583	3,177	7,300	18,791	542
3981	Brooms and brushes	12	9	2	1	343	830	(d)	294	577	2,060	25
3988	Morticians' goods	9	5	4	----------	222	576	148	161	327	1,097	3
3993	Signs and advertising displays	48	37	11	----------	538	1,510	430	466	1,143	2,665	89
3999	Miscellaneous products, n.e.c.	19	13	5	1	1,332	3,727	72	1,119	2,886	5,893	125

[d] Withheld to avoid disclosing figures for individual companies.

n.a.—Not available.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

TABLE 5.—GENERAL STATISTICS FOR THE MINNEAPOLIS–ST. PAUL METROPOLITAN AREA,[1] BY INDUSTRY: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

No.	Industry: Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total[2]	**2,117**	**118,824**	**$346,278**	**93,966**	**$239,110**	**$714,565**	**$48,897**
20	FOOD AND KINDRED PRODUCTS	307	20,853	61,924	15,882	43,764	138,066	11,475
201	Meat products	26	7,359	23,384	5,933	17,939	30,134	1,682
2011	Meat packing, wholesale	7	6,620	21,208	5,335	16,254	26,052	1,299
202	Dairy products	25	702	2,012	451	1,103	3,318	483
2021	Creamery butter	6	159	346	111	219	689	25
2024	Ice cream and ices	15	462	1,429	284	740	2,248	409
2033	Canning and preserving, except fish	9	140	275	122	205	921	18
204	Grain-mill products	52	3,236	10,599	2,627	8,276	39,221	1,792
2041	Flour and meal	15	2,037	7,114	1,763	6,061	23,286	924
205	Bakery products	68	3,568	9,289	2,365	5,247	18,057	1,469
208	Beverages	40	3,134	10,580	2,232	7,192	31,657	5,002
2081	Bottled soft drinks	28	562	1,593	245	616	3,335	1,396
2082	Malt liquors	5	2,154	7,678	1,710	5,820	23,051	3,453
209	Miscellaneous food preparations	48	1,398	3,335	996	2,052	8,303	719
2097	Manufactured ice	4	282	564	169	475	1,428	153
2099	Liquid, frozen, and dried eggs	3	184	289	167	226	551	34
21	TOBACCO MANUFACTURES	4	19	(d)	19	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	15	3,076	7,543	2,740	6,266	9,734	633
225	Knitting mills	8	2,331	5,423	2,094	4,701	6,682	464
2253	Knit outerwear mills	3	117	238	101	192	353	9
23	APPAREL AND RELATED PRODUCTS	165	7,293	16,272	6,199	11,827	27,860	1,281
2311	Men's and boys' suits and coats	19	756	1,999	678	1,525	3,273	202
232	Men's and boys' furnishings	26	1,593	3,607	1,378	2,562	5,933	160
2329	Men's and boys' clothing, n.e.c.	10	1,107	2,600	963	1,818	4,110	139
2333	Dresses, unit price	12	741	1,435	666	1,177	2,207	34
2335	Women's suits and coats	8	435	1,329	372	872	1,797	20
2369	Children's outerwear, n.e.c.	6	386	697	317	597	1,604	50
2371	Fur goods	10	120	330	97	270	768	1
2386	Leather and sheep-lined clothing	5	436	1,140	318	716	1,884	33
2393	Textile bags	4	717	1,270	570	959	2,556	668
2399	Fabricated textile products, n.e.c.	14	252	432	221	369	690	8
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	75	2,789	6,971	2,454	5,663	11,862	1,046
243	Millwork and related products	28	1,247	3,246	1,059	2,530	5,023	155
244	Wooden containers	15	416	900	393	827	1,539	163
249	Miscellaneous wood products	29	1,122	2,820	998	2,301	5,285	726
2499	Wood products, n.e.c.	18	578	1,295	518	1,008	2,049	547
25	FURNITURE AND FIXTURES	85	2,898	7,723	2,479	5,664	12,431	635
251	Household furniture	47	1,838	4,838	1,565	3,429	7,849	384
2511	Wood house furniture, except upholst.	19	561	1,084	500	906	1,833	68
2512	Household furniture, upholstered	17	619	1,740	538	1,326	2,497	42
2541	Partitions and fixtures	15	380	1,269	326	973	1,887	46
256	Screens, shades, and blinds	14	536	1,266	463	980	2,066	181
2561	Window and door screens	7	424	1,016	370	818	1,584	175
26	PAPER AND ALLIED PRODUCTS	37	3,928	10,725	3,426	8,130	26,592	1,197
267	Paperboard containers and boxes	15	1,961	5,661	1,694	4,104	11,890	385
27	PRINTING AND PUBLISHING INDUSTRIES	337	14,852	57,226	9,825	28,065	91,067	3,505
2721	Periodicals	47	580	1,868	85	230	4,409	25
2741	Miscellaneous publishing	6	100	241	3	9	386	----------
2751	Commercial printing	170	4,212	12,704	3,175	8,440	19,588	1,004
279	Printing trades service industries	37	637	2,351	498	1,744	4,040	166
2791	Typesetting	16	185	598	158	506	1,177	56
2793	Photoengraving	11	312	1,288	231	879	2,014	69
2794	Electrotyping and stereotyping	4	88	331	69	263	583	36
28	CHEMICALS AND ALLIED PRODUCTS	132	3,996	11,280	2,695	6,237	59,087	3,942
283	Drugs and medicines	20	246	582	130	237	2,212	40
2841	Soap and glycerin	8	113	301	41	86	527	11
2288	Vegetable and animal oils	11	877	2,838	771	2,192	27,531	2,981
2886	Grease and tallow	6	117	487	89	319	838	190
289	Miscellaneous chemical products	49	1,764	4,515	1,165	2,320	21,170	387
29	PETROLEUM AND COAL PRODUCTS	21	1,072	3,178	817	2,227	9,944	1,158
2952	Roofing felts and coatings	6	409	1,368	352	1,080	4,268	(d)
30	RUBBER PRODUCTS	6	486	(d)	455	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	19	555	1,159	495	919	1,979	27
314	Footwear (except rubber)	6	307	616	276	527	1,050	11
32	STONE, CLAY, AND GLASS PRODUCTS	77	815	2,342	713	1,914	4,674	275
327	Concrete and plaster products	51	410	1,217	358	1,006	2,367	225
33	PRIMARY METAL INDUSTRIES	54	2,422	7,070	2,170	5,917	12,361	889
332	Iron and steel foundries	25	1,717	5,116	1,534	4,248	8,405	701
3321	Gray-iron foundries	22	1,149	3,365	1,052	2,903	5,825	535
34	FABRICATED METAL PRODUCTS	216	8,842	25,794	7,209	18,844	47,127	3,798
342	Cutlery, hand tools, and hardware	26	305	679	252	490	1,013	35
3423	Hand tools, n.e.c.	11	196	457	159	314	664	18
343	Heating and plumbing equipment	18	729	2,364	564	1,547	4,553	312
344	Structural metal products	66	4,516	13,519	3,648	10,007	24,287	1,794
3441	Structural and ornamental products	24	1,993	5,910	1,590	4,257	9,680	729
3444	Sheet-metal work	31	893	2,585	760	2,108	4,675	630

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR THE MINNEAPOLIS-ST. PAUL METROPOLITAN AREA,[1] BY INDUSTRY: 1947—Continued

INDUSTRY No.	INDUSTRY Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
34	FABRICATED METAL PRODUCTS—Continued							
346	Metal stamping and coating	77	2,129	$5,956	1,808	$4,467	$10,431	$1,366
3465	Enameling and lacquering	6	105	259	98	237	395	19
3468	Plating and polishing	27	280	782	247	618	1,238	22
35	MACHINERY (EXCEPT ELECTRICAL)	276	20,039	57,376	16,028	42,425	109,162	6,239
352	Tractors and farm machinery	34	6,613	19,472	5,352	15,207	41,539	2,559
354	Metalworking machinery	46	972	3,000	781	2,157	4,748	202
3542	Metalworking machinery, n.e.c.	8	579	1,889	430	1,167	3,155	102
355	Special-industry machinery, n.e.c.	53	1,709	5,327	1,252	3,496	9,655	668
3551	Food-products machinery	15	698	2,371	508	1,520	4,679	378
3559	Special-industry machinery, n.e.c.	24	293	907	247	666	1,255	41
356	General industrial machinery	38	1,448	4,315	1,081	2,783	6,177	337
3562	Elevators and escalators	3	102	283	67	161	436	1
3566	Power-transmission equipment	6	291	945	252	700	1,129	86
359	Miscellaneous machinery parts	47	658	1,795	554	1,354	3,071	215
3599	Machine shops	40	467	1,205	402	941	1,998	153
36	ELECTRICAL MACHINERY	65	13,803	38,790	10,627	25,802	65,585	7,963
361	Electrical industrial apparatus	30	8,626	24,460	6,623	16,016	45,974	3,093
3619	Electrical industrial apparatus, n.e.c.	7	288	674	239	465	1,110	20
3661	Radios and related products	9	323	764	253	506	1,409	33
37	TRANSPORTATION EQUIPMENT	29	2,560	(d)	2,096	(d)	(d)	(d)
38	INSTRUMENTS AND RELATED PRODUCTS	34	1,089	(d)	892	(d)	(d)	(d)
39	MISCELLANEOUS MANUFACTURES	163	7,437	19,697	6,745	16,866	63,239	4,128
391	Jewelry and silverware	13	206	581	140	376	1,092	11
394	Toys and sporting goods	42	841	1,778	751	1,409	2,865	246
3943	Children's vehicles	6	254	556	227	408	853	55
3949	Sporting and athletic goods	21	389	918	352	759	1,552	128
395	Office supplies	11	109	255	78	169	378	8
3993	Signs and advertising displays	31	466	1,353	399	997	2,343	74

[d] Withheld to avoid disclosing figures for individual companies.
[1] The Minneapolis-St. Paul Metropolitan Area consists of Anoka, Dakota, Hennepin, and Ramsey Counties, Minnesota.
[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY GROUP No.	INDUSTRY GROUP Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
		HENNEPIN COUNTY						
	All industries, total [1]	**1,410**	**66,450**	**$185,501**	**52,106**	**$130,214**	**$386,144**	**$27,191**
20	Food and kindred products	199	9,174	26,756	6,837	18,095	75,420	5,279
201	Meat products	10	200	628	149	402	893	110
202	Dairy products	16	399	1,235	248	649	2,252	322
205	Bakery products	44	2,432	6,416	1,632	3,722	12,179	1,090
207	Confectionery and related products	22	592	972	540	761	3,737	121
208	Beverages	25	1,505	5,000	1,022	3,228	14,285	1,768
209	Miscellaneous food preparations	29	844	2,268	664	1,484	5,486	611
21	Tobacco manufactures	3	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	9	2,833	(d)	2,523	(d)	(d)	(d)
225	Knitting mills	5	2,214	5,185	1,993	4,509	6,329	455
23	Apparel and related products	115	5,142	11,289	4,429	8,417	19,628	1,160
231	Men's and boys' suits and coats	14	588	1,543	529	1,176	2,580	190
232	Men's and boys' furnishings	17	877	1,901	748	1,362	3,039	128
233	Women's and misses' outerwear	24	1,341	2,783	1,197	2,158	4,625	55
236	Children's outerwear	11	435	1,014	361	763	1,695	53
239	Miscellaneous fabricated textiles	31	988	1,795	797	1,314	3,511	674
24	Lumber and products, except furniture	53	1,836	4,722	1,608	3,768	7,750	766
243	Millwork and related products	20	832	2,255	704	1,760	3,565	77
249	Miscellaneous wood products	21	790	1,972	700	1,559	3,362	580
25	Furniture and fixtures	62	1,750	4,753	1,517	3,562	7,591	346
251	Household furniture	34	943	2,654	811	1,887	4,143	108
26	Paper and allied products	22	1,324	(d)	1,096	(d)	(d)	(d)
265	Envelopes	3	134	317	116	249	608	21
269	Pulp goods and miscellaneous paper products	8	294	728	229	482	1,191	44
27	Printing and publishing industries	218	6,393	19,392	4,011	11,206	35,253	1,860
272	Periodicals	32	405	1,441	74	199	3,538	14
275	Commercial printing	114	2,694	8,060	2,078	5,501	12,386	664
276	Lithographing	14	325	1,013	241	666	1,613	177
279	Printing trades service industries	27	380	1,358	292	1,021	2,489	93

See footnotes at end of table.

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947—Continued

No.	Industry group: Title	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
	HENNEPIN COUNTY—Continued							
28	Chemicals and allied products	72	1,971	$5,585	1,350	$3,305	$33,994	$2,827
284	Soap and related products	14	110	313	57	107	652	19
285	Paints and allied products	10	526	1,580	294	694	3,543	341
288	Vegetable and animal oils	3	668	1,922	614	1,689	24,728	2,331
289	Miscellaneous chemical products	29	435	1,202	256	544	2,928	81
29	Petroleum and coal products	12	491	1,618	392	1,168	5,449	1,059
30	Rubber products	6	486	(d)	455	(d)	(d)	(d)
31	Leather and leather products	14	479	990	424	792	1,654	25
32	Stone, clay, and glass products	42	300	845	265	702	1,854	133
327	Concrete and plaster products	30	205	654	179	553	1,345	126
33	Primary metal industries	36	1,246	3,545	1,142	3,095	6,316	437
332	Iron and steel foundries	14	802	2,305	738	2,029	3,616	346
336	Nonferrous foundries	17	365	1,032	337	893	1,606	56
34	Fabricated metal products	160	5,843	17,171	4,791	12,685	30,096	3,010
342	Cutlery, hand tools, and hardware	19	232	540	190	386	762	22
343	Heating and plumbing equipment	10	217	645	144	380	1,347	188
344	Structural metal products	51	3,206	9,700	2,654	7,327	17,068	1,490
346	Metal stamping and coating	58	1,565	4,414	1,306	3,289	7,708	1,141
349	Miscellaneous fabricated metal products	14	534	1,651	421	1,122	2,831	157
35	Machinery (except electrical)	197	13,929	40,343	10,971	29,394	79,686	4,312
352	Tractors and farm machinery	25	5,708	17,136	4,590	13,358	37,116	2,269
354	Metalworking machinery	31	779	2,419	607	1,700	3,844	138
355	Special-industry machinery, n.e.c.	38	1,169	3,846	914	2,637	7,152	483
358	Service and household machines	35	2,584	7,067	1,878	4,447	13,300	460
359	Miscellaneous machinery parts	31	398	1,053	337	794	1,965	141
36	Electrical machinery	41	10,213	29,047	7,790	19,041	52,007	3,726
361	Electrical industrial apparatus	21	8,504	24,175	6,524	15,806	45,592	3,079
37	Transportation equipment	17	(d)	(d)	(d)	(d)	(d)	(d)
371	Motor vehicles and equipment	8	163	630	130	380	690	55
38	Instruments and related products	25	1,005	2,354	834	1,740	3,953	186
384	Medical instruments and supplies	10	179	498	122	310	931	4
39	Miscellaneous manufactures	107	1,648	(d)	1,358	(d)	(d)	(d)
394	Toys and sporting goods	28	498	1,033	436	769	1,769	188
397	Plastics products, n.e.c.	13	149	333	127	274	284	50
399	Miscellaneous manufactures	47	718	1,945	610	1,352	3,103	64
	RAMSEY COUNTY							
	All industries, total [1]	641	42,381	$130,773	33,596	$85,642	$281,832	$19,165
20	Food and kindred products	93	4,888	(d)	3,542	(d)	(d)	(d)
203	Canning, preserving, and freezing	5	164	322	137	222	1,020	24
205	Bakery products	24	1,136	2,873	733	1,525	5,878	379
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	6	243	(d)	217	(d)	(d)	(d)
225	Knitting mills	3	117	238	101	192	353	9
23	Apparel and related products	50	2,151	4,983	1,770	3,410	8,232	121
231	Men's and boys' suits and coats	5	168	456	149	349	693	12
232	Men's and boys' furnishings	9	716	1,706	630	1,200	2,894	32
238	Miscellaneous apparel and accessories	5	398	942	224	440	1,475	30
24	Lumber and products, except furniture	20	(d)	(d)	(d)	(d)	(d)	(d)
243	Millwork and related products	8	415	991	355	770	1,458	78
25	Furniture and fixtures	19	1,017	2,666	848	1,850	4,496	256
251	Household furniture	10	766	1,884	641	1,291	3,371	254
26	Paper and allied products	14	2,257	6,624	2,003	5,123	19,347	207
27	Printing and publishing industries	108	8,386	37,667	5,767	16,761	55,510	1,643
279	Printing trades service industries	10	257	993	206	724	1,551	73
28	Chemicals and allied products	55	1,911	(d)	1,272	(d)	(d)	(d)
285	Paints and allied products	6	166	576	113	326	1,365	64
289	Miscellaneous chemical products	20	1,329	3,313	909	1,776	18,242	306
29	Petroleum and coal products	8	(d)	(d)	(d)	(d)	(d)	(d)
299	Miscellaneous petroleum and coal products	5	191	492	119	251	1,139	67
31	Leather and leather products	5	76	169	71	127	325	2
32	Stone, clay, and glass products	26	369	1,037	325	859	2,138	90
33	Primary metal industries	14	1,000	(d)	888	(d)	(d)	(d)
34	Fabricated metal products	56	2,999	8,623	2,418	6,159	17,031	788
343	Heating and plumbing equipment	8	512	1,719	420	1,167	3,206	124
344	Structural metal products	15	1,310	3,819	994	2,680	7,219	304
346	Metal stamping and coating	19	564	1,542	502	1,178	2,723	225
35	Machinery (except electrical)	73	5,638	15,846	4,629	12,058	26,992	1,777
355	Special-industry machinery, n.e.c.	15	540	1,481	338	859	2,503	185
356	General industrial machinery	13	771	2,287	603	1,556	3,116	181
359	Miscellaneous machinery parts	16	260	742	217	560	1,106	74
36	Electrical machinery	23	(d)	(d)	(d)	(d)	(d)	(d)
369	Miscellaneous electrical products	6	547	1,532	400	961	3,656	137
37	Transportation equipment	11	2,179	(d)	1,789	(d)	(d)	(d)
38	Instruments and related products	9	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	50	4,217	11,098	4,029	10,344	47,254	3,745

[d] Withheld to avoid disclosing figures for individual companies.

[1] In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. Industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	4,567	1,363	5	40	199	408	113	56	737	177	27	8	27	308	85	257	371	79	62	37	208
1-19 employees	3,277	995	5	11	92	342	80	11	617	125	13	4	13	273	33	166	233	38	43	28	155
20-99 employees	966	289		20	80	55	23	24	95	45	8	2	9	30	40	65	94	25	16	5	41
100 employees and over	324	79		9	27	11	10	21	25	7	6	2	5	5	12	26	44	16	3	4	12
Aitkin:																					
1-19 employees	24	8				13			1					2							
20-99 employees	3	2				1															
Anoka:																					
1-19 employees	23	2				1	1		5	2				3	3		4	1			1
20-99 employees	3						2			1											
100 employees and over	4					1									1						2
Becker:																					
1-19 employees	26	8				9			3					2			2		2		
20-99 employees	3	3																			
Beltrami:																					
1-19 employees	26	10		1		8			4					2							1
20-99 employees	8	1				5			1										1		
100 employees and over	2				1	1															
Benton:																					
1-19 employees	21	7				3	1		3	1	1	1		3							1
20-99 employees	3	1				1		1													
100 employees and over	1							1													
Big Stone:																					
1-19 employees	8	5							2					1							
20-99 employees	1	1																			
Blue Earth:																					
1-19 employees	52	20			4	3	2	1	9	3				3		2	1	1			3
20-99 employees	14	7							1					2	1	1	2				
100 employees and over	5	1												1		1		2			
Brown:																					
1-19 employees	26	12		1		1	1		8	1				1							1
20-99 employees	11	6							1					3			1				
100 employees and over	4	3			1																
Carlton:																					
1-19 employees	23	5				6	1		4					4			1				2
20-99 employees	1	1																			
100 employees and over	6					1		4													1
Carver:																					
1-19 employees	24	10				2			5	1				3	1		1		1		
20-99 employees	4	4																			
100 employees and over	1	1																			
Cass:																					
1-19 employees	32	7				19			4					1		1					
20-99 employees	4	1				3															
Chippewa:																					
1-19 employees	11	3							5	1				1			1				
20-99 employees	4	4																			
Chisago:																					
1-19 employees	22	7				6			3					3	1		1		1		
20-99 employees	4	3													1						
Clay:																					
1-19 employees	13	5							6					1				1			
20-99 employees	4	2							1								1				
Clearwater:																					
1-19 employees	19	5				12			1					1							
Cook:																					
1-19 employees	20					17			1										2		
Cottonwood:																					
1-19 employees	24	10				1	1		5					2		1	3		1		
Crow Wing:																					
1-19 employees	35	9			1	10	2		4					7					1		1
20-99 employees	7	3				1			2						1						
100 employees and over	3				1			2													
Dakota:																					
1-19 employees	21	5					1		5	1	1			3			1		1		3
20-99 employees	8	3							1	1				3							
100 employees and over	7	5						1									1				
Dodge:																					
1-19 employees	10	7							2								1				
20-99 employees	1	1																			
Douglas:																					
1-19 employees	29	20				1			3					3		1					1
20-99 employees	3	2																	1		
100 employees and over	1	1																			
Faribault:																					
1-19 employees	23	11	1			1	1		6	1				2							
20-99 employees	3	3																			
100 employees and over	3	3																			
Fillmore:																					
1-19 employees	27	13				2			8	3				1							
20-99 employees	1	1																			
Freeborn:																					
1-19 employees	34	22				1	1		1	1				3		1	3		1		
20-99 employees	11	4				1			1						2	1	1	1			
100 employees and over	6	2		1		1										2					
Goodhue:																					
1-19 employees	46	21			1	3			7	1				7	1	2	2			1	
20-99 employees	14	7		1		1			1	1			1	1			1				
100 employees and over	6											1	3	2							
Grant:																					
1-19 employees	9	6							1					2							

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Hennepin:																					
1-19 employees	903	109	3	3	57	33	42	7	166	52	5	3	9	39	16	110	121	20	11	17	80
20-99 employees	375	65		1	43	17	14	12	39	16	5	2	4	3	18	36	51	13	6	4	26
100 employees and over	132	25		5	15	3	6	3	13	4	2	1	1		2	14	25	8		4	1
Houston:																					
1-19 employees	18	13				2			3												
Hubbard:																					
1-19 employees	22	2				14	1		2					3							
20-99 employees	1			1																	
Isanti:																					
1-19 employees	23	7		1		7			3					2			1				2
20-99 employees	5	1		1						1				1							1
Itasca:																					
1-19 employees	28	9				10			5					3					1		
20-99 employees	4					2		1	1												
100 employees and over	1							1													
Jackson:																					
1-19 employees	11	7				1			2					1							
20-99 employees	1	1																			
Kanabec:																					
1-19 employees	10	6				2			1						1						
20-99 employees	2	1															1				
Kandiyohi:																					
1-19 employees	24	10				2	1		4					5					1		1
20-99 employees	4	2							1					1							
Kittson:																					
1-19 employees	11	5							3					1			2				
Koochiching:																					
1-19 employees	16	7				6			2					1							
20-99 employees	2					1			1												
100 employees and over	3							3													
Lac qui Parle:																					
1-19 employees	9	5							4												
20-99 employees	1	1																			
Lake:																					
1-19 employees	11	1				8			1					1							
20-99 employees	2					2															
Lake of the Woods:																					
1-19 employees	8	1				4			1	1				1							
Le Sueur:																					
1-19 employees	22	10			1	1	3		6					1							
20-99 employees	5	1		2											1		1				
100 employees and over	3	3																			
Lincoln:																					
1-19 employees	9	4							4					1							
20-99 employees	1	1																			
Lyon:																					
1-19 employees	20	11							4	1				3			1				
20-99 employees	5	5																			
100 employees and over	2	2																			
McLeod:																					
1-19 employees	18	6				2			4					3			3				
20-99 employees	8	4			1				1					1		1					
100 employees and over	1	1																			
Mahnomen:																					
1-19 employees	6	3				1			1					1							
Marshall:																					
1-19 employees	16	9							5					2							
Martin:																					
1-19 employees	27	16							4	1				5			1				
20-99 employees	1								1												
100 employees and over	2	1																	1		
Meeker:																					
1-19 employees	21	13							3	2				1			1		1		
20-99 employees	3	2		1																	
100 employees and over	1	1																			
Mille Lacs:																					
1-19 employees	23	7			1	7			4					1				1	2		
20-99 employees	2	1																			1
Morrison:																					
1-19 employees	36	20				8			4					3		1					
20-99 employees	6	1						2	1										2		
100 employees and over	2				1												1				
Mower:																					
1-19 employees	30	17				4			3					5					1		
20-99 employees	6	3		1					1									1			
100 employees and over	2	2																			
Murray:																					
1-19 employees	8	4							1					3							
Nicollet:																					
1-19 employees	24	14		1		1	1		2					4		1					
20-99 employees	2				1												1				
Nobles:																					
1-19 employees	17	6				1			5	2				3							
20-99 employees	2	1							1												
100 employees and over	1	1																			
Norman:																					
1-19 employees	12	9				1			2												
20-99 employees	1	1																			
Olmsted:																					
1-19 employees	32	15					2	1	6					3		2	1			1	1
20-99 employees	4	2							2												
100 employees and over	2	1																1			
Otter Tail:																					
1-19 employees	43	21		1		4			7					7			1		1		1
20-99 employees	16	10				1			2	1					1				1		
Pennington:																					
1-19 employees	8	4				1			1					2							
20-99 employees	6	5															1				
Pine:																					
1-19 employees	27	11				9			2					3			1				1
20-99 employees	5	4							1												

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Pipestone:																					
1-19 employees	14	5							5	1	1			1			1				
20-99 employees	3	2					1														
Polk:																					
1-19 employees	31	16				2			4					5			2	1		1	
20-99 employees	5	4							1												
100 employees and over	1	1																			
Pope:																					
1-19 employees	10	6							4												
20-99 employees	1													1							
Ramsey:																					
1-19 employees	381	43	1	3	24	8	13	2	81	36	4		2	21	6	29	46	11	7	8	36
20-99 employees	186	39		3	19	10	2	6	17	17	2		3	4	4	21	18	9	2	1	9
100 employees and over	74	11			7	2	4	6	10	2	2			1	4	6	9	3	2		5
Red Lake:																					
1-19 employees	7	4							1					2							
20-99 employees	1									1											
Redwood:																					
1-19 employees	23	11							8					4							
20-99 employees	4	3			1																
Renville:																					
1-19 employees	18	9							8					1							
20-99 employees	3	2								1											
Rice:																					
1-19 employees	26	11				3			8					1		1	1	1			
20-99 employees	13	5			1		2		1						1	1	1				1
100 employees and over	5	3		1													1				
Rock:																					
1-19 employees	16	9							3	1				1	1		1				
20-99 employees	1																1				
Roseau:																					
1-19 employees	13	7							2					1			2	1			
20-99 employees	1	1																			
St. Louis:																					
1-19 employees	183	35			1	52	2		48	4			1	19	1	1	6		4		9
20-99 employees	58	16		3	9	6	1	1	5	2				2	5	1	1	1	2		3
100 employees and over	20	3		1	1	1			1		2			1	4	1	3	1			1
Scott:																					
1-19 employees	19	7				1			4							2	3		1		1
20-99 employees	7	4					1			1					1						
100 employees and over	1																1				
Sherburne:																					
1-19 employees	6	3							2	1											
20-99 employees	2	1												1							
Sibley:																					
1-19 employees	23	12				4			5					1			1				
20-99 employees	4	4																			
Stearns:																					
1-19 employees	91	47				5			13	1				20		1	2				2
20-99 employees	18	7							3					4	1		2		1		
100 employees and over	2	1															1				
Steele:																					
1-19 employees	34	16				3	1		3				1	1	1	1	5		1		1
20-99 employees	10	3							2				1			1	3				
100 employees and over	2															1					1
Stevens:																					
1-19 employees	10	5			1				2					2							
Swift:																					
1-19 employees	7	3							3								1				
20-99 employees	4	3		1																	
Todd:																					
1-19 employees	21	13				1			5					1		1					
20-99 employees	2	1								1											
100 employees and over	1								1												
Traverse:																					
1-19 employees	4	2							2												
Wabasha:																					
1-19 employees	24	12				2			5					3							2
20-99 employees	4	2			1												1				
100 employees and over	1																1				
Wadena:																					
1-19 employees	20	12				4			3					1							
20-99 employees	2	2																			
Waseca:																					
1-19 employees	22	13							4	1				2			1				1
20-99 employees	3	1		2																	
100 employees and over	2	1																1			
Washington:																					
1-19 employees	24	6				4			5	1				1		4	1		1		1
20-99 employees	9	2			1	2					1				1	1	1				
100 employees and over	4	2				1							1								
Watonwan:																					
1-19 employees	20	13							2					3		1			1		
20-99 employees	3	3																			
100 employees and over	1																1				
Wilkin:																					
1-19 employees	5	4							1												
20-99 employees	1	1																			
Winona:																					
1-19 employees	47	20			1	1	2		2	4	1			5	1	2	6				2
20-99 employees	31	7		3	3	1		1	5	1				2	2	1	5				
100 employees and over	8	3		1						1					1	1					1
Wright:																					
1-19 employees	39	21				4			8					5		1					
20-99 employees	4	3												1							
100 employees and over	1	1																			
Yellow Medicine:																					
1-19 employees	18	10							5					3							
20-99 employees	1	1																			

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month												
				Number of employees												
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$501,355**	**179,986**	**177,163**	**174,359**	**174,743**	**174,317**	**173,646**	**171,929**	**174,080**	**181,430**	**181,040**	**185,567**	**179,118**	**178,940**	**176,782**
20	Food and kindred products	128,568	46,565	45,889	41,885	41,903	41,415	41,562	42,218	44,117	53,339	50,205	55,470	47,226	46,738	44,595
22	Textile mill products	10,930	4,678	4,648	5,118	4,759	4,919	4,637	4,606	4,407	4,287	4,482	4,414	4,810	4,647	4,695
23	Apparel and related products	19,084	9,036	8,873	8,412	8,474	8,733	8,718	8,478	8,525	8,422	8,994	9,145	9,529	9,526	9,522
24	Lumber and products, exc. furniture	14,709	6,327	6,071	5,758	6,415	6,353	6,236	6,182	6,280	5,948	6,004	5,911	5,980	5,903	5,876
25	Furniture and fixtures	8,268	3,182	3,086	2,926	2,958	3,016	3,047	2,953	2,967	3,028	3,111	3,258	3,247	3,247	3,273
26	Paper and allied products	26,040	8,943	8,941	9,137	9,241	9,052	9,027	8,959	8,798	8,782	8,928	8,760	8,809	8,904	8,897
27	Printing and publishing industries	64,465	18,143	18,058	17,313	17,476	17,600	17,699	17,662	17,723	17,890	18,147	18,311	18,780	19,104	18,986
28	Chemicals and allied products	13,680	4,952	4,817	4,581	4,628	4,813	4,668	4,718	4,722	4,869	4,955	4,839	5,056	5,038	4,914
29	Petroleum and coal products	4,570	1,552	1,550	1,533	1,524	1,493	1,505	1,520	1,532	1,513	1,527	1,551	1,640	1,638	1,627
31	Leather and leather products	3,799	1,636	1,627	1,689	1,702	1,723	1,691	1,616	1,477	1,553	1,614	1,582	1,626	1,625	1,630
32	Stone, clay, and glass products	8,357	3,612	3,514	2,907	2,944	3,101	3,402	3,711	3,841	3,933	3,963	3,884	3,751	3,478	3,249
33	Primary metal industries	20,212	6,971	6,901	7,014	6,908	6,883	6,807	6,845	6,734	6,901	7,017	6,999	6,923	6,821	6,957
34	Fabricated metal products	32,115	11,174	10,738	11,230	11,111	11,004	10,868	10,549	10,591	10,491	10,541	10,572	10,624	10,534	10,735
35	Machinery (except electrical)	67,829	24,068	23,722	23,605	23,699	23,655	24,047	23,850	24,444	24,301	24,385	23,564	23,090	23,044	22,977
36	Electrical machinery	41,884	15,088	15,061	16,360	16,388	15,983	15,589	14,319	14,163	13,440	13,868	14,292	14,921	15,588	15,815
37	Transportation equipment	9,814	3,403	3,328	3,312	3,297	3,303	3,292	3,321	3,408	3,238	3,578	3,322	3,323	3,269	3,270
39	Miscellaneous manufactures	22,982	8,886	8,623	9,163	9,092	9,078	8,860	8,672	8,642	8,311	8,409	8,342	8,297	8,313	8,299
	All other major industry groups	4,049	1,770	1,716	2,416	2,224	2,193	1,991	1,750	1,709	1,184	1,312	1,351	1,486	1,523	1,465

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE MINNEAPOLIS-ST. PAUL METROPOLITAN AREA, AND PRINCIPAL INDUSTRIAL COUNTIES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State	Minneapolis-St. Paul Metropolitan Area	Principal industrial counties	
			Hennepin	Ramsey
ALL ESTABLISHMENTS				
Number of establishments	4,567	2,117	1,410	641
Number of employees (average for the year)	179,986	118,824	66,450	42,381
Salaries and wages, total	$501,355	$346,278	$185,501	$130,773
Value added by manufacture	$1,022,586	$714,565	$386,144	$281,832
Establishments by employment size group:				
1-4 employees	1,685	580	392	171
5-9 employees	943	409	291	100
10-19 employees	649	339	220	110
20-49 employees	663	378	248	123
50-99 employees	303	194	127	63
100-249 employees	214	142	89	48
250-499 employees	67	44	29	13
500-999 employees	22	14	8	5
1,000-2,499 employees	13	11	4	5
2,500 employees and over	8	6	2	3
ESTABLISHMENTS REPORTING DETAILED STATISTICS				
Number of establishments	3,268	1,584	1,042	495
Number of employees (average for the year)	175,061	116,536	64,920	41,700
Salaries and wages, total	$492,510	$341,813	$182,542	$129,422
Value added by manufacture	$1,005,432	$706,618	$380,667	$279,627

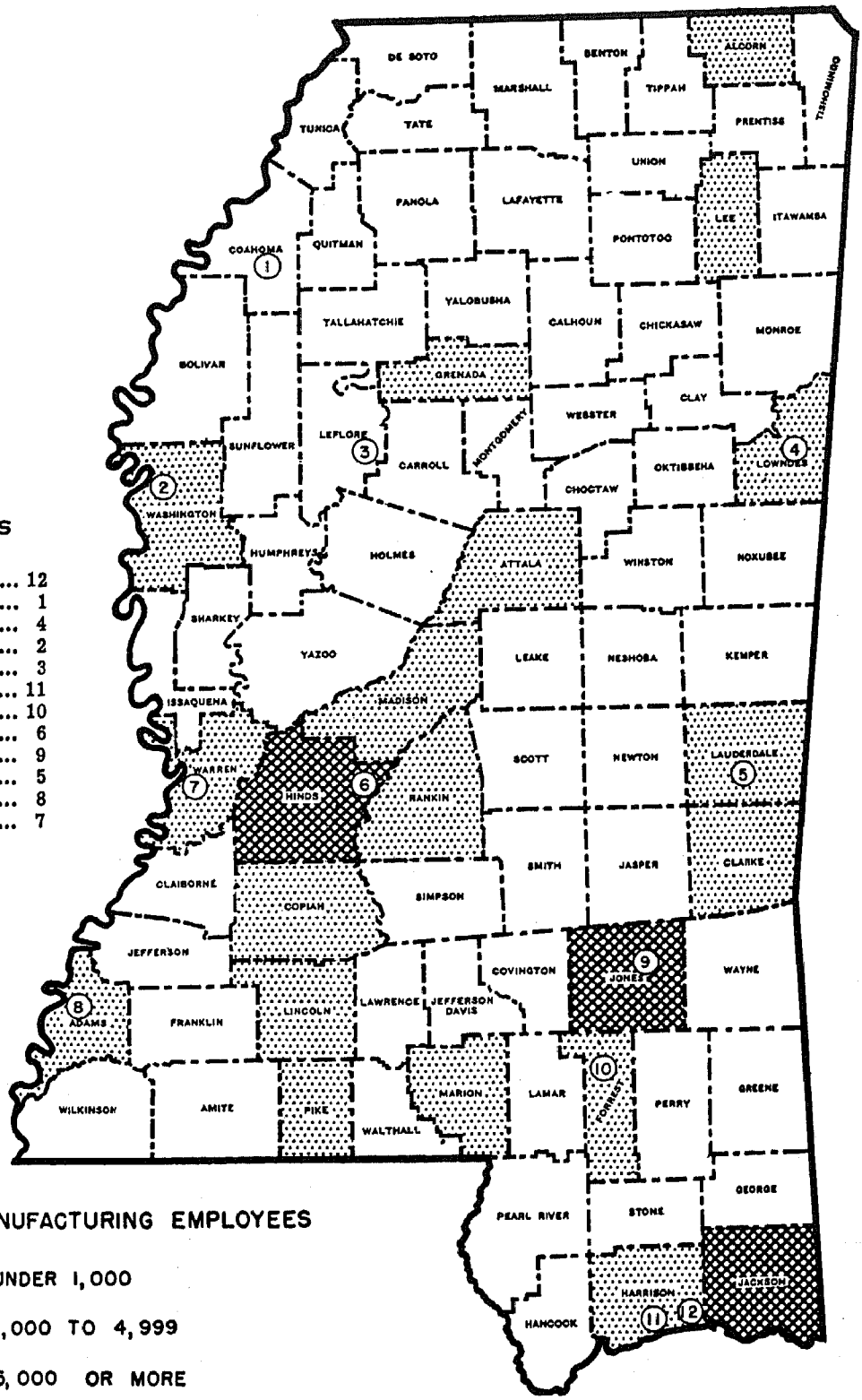
ITEM	Total for the State	Minneapolis-St. Paul Metropolitan Area	Principal industrial counties	
			Hennepin	Ramsey
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued				
Number of employees for pay period ended nearest Oct. 15:				
All employees	176,988	116,998	64,728	42,359
Male	131,066	83,902	46,391	29,760
Female	45,922	33,096	18,337	12,599
Production workers	141,513	91,946	50,409	33,408
Male	106,695	66,942	36,670	23,907
Female	34,818	25,004	13,739	9,501
Force-account construction workers	235	43	12	11
Administrative, supervisory, sales, and all other	35,240	25,009	14,307	8,940
Male	24,140	16,917	9,709	5,842
Female	11,100	8,092	4,598	3,098
Expenditures for plant and equipment:				
New plant and equipment	$82,800	$48,897	$27,191	$19,165
Construction and major alteration of fixed plants	29,438	18,118	11,863	5,430
Buildings	27,022	17,047	11,178	5,197
Other construction	2,416	1,071	685	233
Machinery and equipment	53,362	30,779	15,328	13,735
Production machinery and equipment	45,233	26,578	13,202	11,994
Other machinery and equipment	8,129	4,201	2,126	1,741
Used plant and equipment and land	6,205	3,193	2,609	545

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1 ½ tons	1 ½ tons	Over 1 ½ tons, less than 3 ½ tons	3 ½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	5,833	1,831	2,882	1,005	83	16	16	255	310
Van	849	----	559	272	5	8	5	----	----
Stake or platform	1,842	286	1,137	394	19	6	----	----	----
Panel or light delivery	1,596	1,297	299	----	----	----	----	----	----
All other	1,546	248	887	339	59	2	11	----	----
Truck tractors	273	4	39	137	56	12	25	----	----
Trailers and semitrailers	336	----	----	----	----	----	----	63	73

MISSISSIPPI

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Biloxi	12
Clarksdale	1
Columbus	4
Greenville	2
Greenwood	3
Gulfport	11
Hattiesburg	10
Jackson	6
Laurel	9
Meridian	5
Natchez	8
Vicksburg	7

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 1,000
- 1,000 TO 4,999
- 5,000 OR MORE

○ PLACES OF 10,000 TO 99,999 POPULATION

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
1947	1,982	76,671	$137,705	69,577	$114,980	$300,184
1939 [3]	1,235	52,064	36,498	45,893	27,130	72,661
1937	1,100	49,246	32,092	46,040	26,384	76,225
1935 [4]	1,059	39,117	24,157	36,367	19,334	49,521
1933	746	n.a.	n.a.	27,823	13,636	35,386
1931	917	n.a.	n.a.	28,907	18,919	46,086
1929	1,911	56,268	51,427	52,086	42,208	107,325
1927	1,333	n.a.	n.a.	50,569	40,734	91,081
1925	1,705	n.a.	n.a.	55,171	41,231	96,865
1923	1,235	n.a.	n.a.	54,352	40,019	90,693
1921	1,116	n.a.	n.a.	42,222	30,197	55,850
1919	2,379	61,452	58,959	57,383	51,040	100,559
1914	2,209	49,891	23,008	46,702	19,177	38,210
1909	2,598	53,787	22,422	50,384	18,768	43,630
1904	1,520	41,378	17,417	38,690	14,819	31,651
1899	1,294	28,059	9,003	26,799	7,910	17,175

n.a.—Not available.

[1] The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures reported for earlier years is not known. See GENERAL EXPLANATIONS, Manufacturing employees—classifications used.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899 through 1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

[3] The 1939 figures have been adjusted for comparability with the 1947 statistics by excluding data for certain establishments classified as manufacturing in 1939 and previous years, but classified as nonmanufacturing in 1947. Value added by manufacture for 1939 on a basis comparable with the figures shown for earlier years was $73.5 million. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $51.0 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

TABLE 2.—GENERAL STATISTICS FOR COUNTIES AND URBAN PLACES: 1947 AND 1939

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS. Only urban places with 10,000 or more inhabitants in 1940 are included in this table]

COUNTY AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**2,183,796**	**1,982**	**76,671**	**$137,705**	**69,577**	**$114,980**	**$300,184**	**1,235**	**45,893**	**$72,661**
COUNTIES										
Adams	27,238	29	2,819	6,099	2,509	5,074	9,106	24	1,681	3,449
Alcorn	26,969	26	1,205	2,231	1,064	1,780	4,453	17	1,011	1,449
Amite	21,892	33	687	939	681	921	1,935	11	206	378
Attala	30,227	33	1,643	2,848	1,567	2,611	6,413	32	1,014	1,374
Benton	10,429	4	89	(d)	86	(d)	(d)	----	----	----
Bolivar	67,574	23	271	464	230	366	1,373	16	186	429
Calhoun	20,893	32	383	500	370	465	1,163	28	593	671
Carroll	20,651	11	76	(d)	72	(d)	(d)	6	141	(d)
Chickasaw	21,427	25	557	667	521	584	1,093	14	128	234
Choctaw	13,548	34	366	415	353	362	920	13	132	156
Claiborne	12,810	8	137	227	126	132	437	8	328	322
Clarke	20,596	36	1,561	1,832	1,493	1,696	3,271	24	1,156	1,011
Clay	19,030	18	740	1,177	699	958	1,995	17	453	540
Coahoma	48,333	19	447	880	370	567	2,729	19	434	964
Copiah	33,974	43	1,345	1,594	1,281	1,391	3,275	21	774	945
Covington	17,030	17	258	329	254	316	440	1	(d)	(d)
De Soto	26,663	4	22	(d)	18	(d)	(d)	2	(d)	(d)
Forrest	34,901	63	2,826	5,284	2,448	4,218	16,489	42	1,622	4,465
Franklin	12,504	21	607	825	600	774	1,712	4	368	(d)
George	8,704	4	108	122	101	110	184	5	81	(d)
Greene	9,512	14	390	566	376	511	947	13	270	233
Grenada	19,052	18	1,160	2,268	1,046	1,988	3,409	13	398	748
Hancock	11,328	14	169	194	157	169	316	12	82	147
Harrison	50,799	92	2,871	3,881	2,652	3,193	7,778	53	2,653	3,287
Hinds	107,273	156	6,694	13,314	5,453	9,358	30,373	105	2,802	8,002
Holmes	39,710	18	430	621	410	579	1,022	17	239	319
Humphreys	26,257	5	136	235	122	185	590	6	124	228
Issaquena	6,433	----	----	----	----	----	----	----	----	----
Itawamba	19,922	26	466	509	458	487	820	6	215	207
Jackson	20,601	32	6,256	(d)	5,917	(d)	(d)	26	2,029	(d)
Jasper	19,484	25	442	603	431	577	1,834	12	109	107
Jefferson	13,969	12	163	164	156	158	275	5	99	71
Jefferson Davis	15,869	4	55	88	55	88	183	5	33	43
Jones	49,227	54	6,279	13,957	5,690	11,809	33,930	39	3,827	4,492
Kemper	21,867	22	522	559	513	540	1,016	10	691	1,036

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR COUNTIES AND URBAN PLACES: 1947 AND 1939—Continued

COUNTY AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Con.										
Lafayette	21,257	9	81	$107	71	$88	$190	8	58	$88
Lamar	12,096	19	233	277	230	269	510	2	(d)	(d)
Lauderdale	58,247	98	4,391	7,502	3,812	5,675	18,561	56	2,675	3,916
Lawrence	13,983	11	391	499	384	478	735	3	135	(d)
Leake	24,570	17	141	128	135	113	292	13	312	477
Lee	38,838	31	1,711	2,437	1,485	1,866	7,308	25	881	1,404
Leflore	53,406	26	770	1,606	611	1,070	4,098	25	443	1,205
Lincoln	27,506	37	1,250	1,949	1,166	1,635	4,267	16	758	847
Lowndes	35,245	43	2,481	4,043	2,261	3,257	8,512	31	1,621	2,193
Madison	37,504	20	1,228	2,215	1,102	1,709	4,585	13	1,236	1,707
Marion	24,085	24	1,497	2,386	1,426	2,106	5,271	14	967	1,368
Marshall	25,522	14	139	214	123	174	634	3	23	28
Monroe	37,648	40	872	996	817	840	1,985	28	643	735
Montgomery	15,703	19	372	418	353	381	1,234	9	222	182
Neshoba	27,882	19	890	1,168	847	1,081	2,607	12	399	448
Newton	24,249	32	916	1,129	832	952	2,834	21	423	629
Noxubee	25,669	13	210	278	193	237	525	10	183	313
Oktibbeha	22,151	27	852	1,281	805	1,149	4,340	12	298	590
Panola	34,421	18	583	774	523	627	1,482	13	116	269
Pearl River	19,125	21	965	2,081	913	1,866	4,587	17	1,246	882
Perry	9,292	8	180	298	164	265	731	4	119	105
Pike	35,002	35	1,488	2,163	1,386	1,955	5,301	27	1,430	2,217
Pontotoc	22,904	10	219	270	203	241	640	5	41	(d)
Prentiss	20,921	21	699	622	676	555	801	5	280	(d)
Quitman	27,191	7	179	(d)	108	(d)	(d)	2	(d)	(d)
Rankin	27,934	21	1,038	2,109	943	1,753	3,947	16	868	1,709
Scott	23,144	19	680	864	653	812	1,479	14	442	651
Sharkey	15,433	4	90	(d)	82	(d)	(d)	3	129	(d)
Simpson	22,024	17	215	255	198	223	463	5	40	114
Smith	19,403	25	285	217	285	217	407	3	11	(d)
Stone	6,155	13	404	458	386	397	833	5	210	(d)
Sunflower	61,007	15	160	202	125	176	707	8	92	(d)
Tallahatchie	34,166	16	197	274	178	228	704	7	122	(d)
Tate	19,309	3	22	27	20	21	85	3	47	(d)
Tippah	19,680	9	147	(d)	139	(d)	(d)	11	106	(d)
Tishomingo	16,974	15	128	121	132	113	257	5	72	(d)
Tunica	22,610	4	78	(d)	68	(d)	(d)	5	93	(d)
Union	21,867	17	462	596	422	511	1,210	11	466	594
Walthall	17,534	6	87	84	85	80	183	6	86	150
Warren	39,595	50	2,415	5,073	2,111	4,107	9,683	35	1,137	1,694
Washington	67,576	34	1,984	3,937	1,709	3,090	11,550	28	1,476	3,278
Wayne	16,928	16	401	484	397	474	1,124	19	244	186
Webster	14,160	33	231	239	205	207	675	13	121	134
Wilkinson	15,955	13	980	1,875	922	1,665	4,194	9	1,023	1,173
Winston	22,751	28	994	1,557	921	1,304	4,295	8	364	642
Yalobusha	18,387	13	224	310	205	269	498	9	79	130
Yazoo	40,091	17	531	845	486	746	2,060	12	220	423
URBAN PLACES										
Biloxi	17,475	34	1,258	1,222	1,197	1,006	2,536	27	1,426	1,400
Clarksdale	12,168	14	326	(d)	256	(d)	(d)	13	304	(d)
Columbus	13,645	25	1,609	2,621	1,442	2,041	5,729	22	1,084	1,543
Greenville	20,892	25	1,816	(d)	1,567	(d)	(d)	22	1,335	(d)
Greenwood	14,767	21	491	(d)	369	(d)	(d)	16	193	(d)
Gulfport	15,195	31	1,252	2,090	1,096	1,622	4,021	15	840	1,416
Hattiesburg	21,026	40	2,210	4,276	1,869	3,325	14,798	30	1,254	4,048
Jackson	62,107	122	4,788	9,660	3,813	6,503	23,163	91	2,225	6,440
Laurel	20,598	37	5,874	13,329	5,324	11,276	32,962	32	3,628	4,211
Meridian	35,481	67	3,290	5,539	2,789	3,960	12,621	47	2,573	3,827
Natchez	15,296	22	2,449	5,431	2,150	4,428	7,894	18	1,167	(d)
Vicksburg	24,460	37	1,526	3,356	1,261	2,540	6,323	30	967	1,486

d Withheld to avoid disclosing figures for individual companies.

TABLE 3.—GENERAL STATISTICS FOR THE STATE BY MAJOR INDUSTRY GROUPS: 1947 AND 1939

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		1947										1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**1,982**	**76,671**	**$137,705**	**69,577**	**147,647**	**$114,980**	**$300,184**	**$22,713**	**$6,626**	**$16,087**	**1,235**	**45,893**	**$72,661**
20	Food and kindred products	411	8,133	13,651	5,870	11,342	7,946	33,889	4,407	1,284	3,123	383	4,386	13,395
22	Textile mill products	18	5,273	8,649	5,081	10,877	7,943	17,667	1,531	456	1,075	20	4,902	3,911
23	Apparel and related products	55	11,034	13,922	10,610	19,293	12,266	25,563	633	200	433	23	6,901	7,270
24	Lumber and products, except furniture	1,020	28,624	42,496	27,487	61,581	38,827	87,595	5,517	1,299	4,218	499	20,920	24,736
25	Furniture and fixtures	24	1,559	2,765	1,333	2,891	2,098	2,947	(d)	(d)	(d)	10	198	396
26	Paper and allied products	11	4,827	12,992	4,350	9,920	11,194	36,463	3,865	976	2,889	6	2,570	5,403
27	Printing and publishing industries	161	1,605	3,634	932	1,959	2,009	6,733	338	71	267	128	614	3,006
28	Chemicals and allied products	84	4,787	10,154	4,154	9,263	7,729	35,342	3,031	1,234	1,797	93	3,490	8,488
32	Stone, clay, and glass products	91	2,026	4,104	1,803	3,942	3,226	10,445	1,493	608	885	30	935	2,775
33	Primary metal industries	8	279	683	234	530	493	982	23	3	20	2	(d)	(d)
34	Fabricated metal products	20	445	1,018	393	839	753	2,539	139	39	100	9	83	337
35	Machinery (except electrical)	24	1,053	2,805	825	1,785	1,901	3,342	201	89	112	12	159	385
39	Miscellaneous manufactures	23	231	374	216	454	342	475	(d)	(d)	(d)	9	73	150
	All other major industry groups	32	6,795	20,458	6,289	12,971	18,253	36,202	1,535	367	1,168	11	(d)	(d)

d Withheld to avoid disclosing figures for individual companies.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
	All industries, total [1]	**1,982**	**1,318**	**518**	**146**	**76,671**	**$137,705**	**45,893**	**69,577**	**$114,980**	**$300,184**	**$22,713**
20	Food and kindred products	411	300	99	13	8,133	13,651	4,386	5,870	7,946	33,889	4,407
201	Meat products	30	21	7	2	729	1,403	175	608	915	2,850	319
2011	Meat packing, wholesale	17	10	5	2	569	1,190	131	463	740	2,210	302
202	Dairy products	39	23	16	----	877	1,780	[2] 489	647	1,200	5,080	940
2021	Creamery butter	4	2	2	----	114	205	101	88	140	476	105
2022	Natural cheese	12	9	3	----	184	362	71	135	232	683	88
2024	Ice cream and ices	16	11	5	----	268	526	94	167	294	1,151	476
203	Canning, preserving, and freezing	31	11	14	6	1,611	1,325	1,919	1,521	1,076	2,588	257
2033	Canning and preserving, except fish	6	3	3	----	214	247	176	187	191	342	40
2037	Frozen foods	7	3	4	----	191	117	----	179	100	373	41
204	Grain-mill products	16	9	5	2	575	1,106	213	468	685	3,897	812
2042	Prepared animal feeds	12	5	5	2	548	1,055	100	445	653	3,766	812
205	Bakery products	43	24	17	2	1,403	2,903	[2] 766	859	1,420	5,252	800
2071	Confectionery products	13	10	3	----	154	183	100	126	125	295	8
2081	Bottled soft drinks	112	89	22	1	1,539	2,795	397	859	1,298	7,432	1,079
209	Miscellaneous food preparations	127	113	14	----	1,245	2,156	327	782	1,227	6,495	192
2097	Manufactured ice	114	101	13	----	1,156	1,939	279	702	1,050	5,007	188
22	Textile mill products	18	2	3	13	5,273	8,649	4,902	5,081	7,943	17,667	1,531
225	Knitting mills	11	1	3	7	2,078	3,647	2,240	1,961	3,258	6,573	609
2251	Full-fashioned hosiery mills	5	----	1	4	1,058	2,348	701	988	2,169	4,157	570
2252	Seamless hosiery mills	6	1	2	3	1,020	1,299	996	973	1,089	2,416	39
23	Apparel and related products	55	6	14	35	11,034	13,922	6,901	10,610	12,266	25,563	633
232	Men's and boys' furnishings	41	1	10	30	9,651	12,262	6,677	9,268	10,779	22,588	533
2321	Men's dress shirts and nightwear	13	1	1	11	3,697	4,550	1,659	3,551	4,201	8,006	97
2329	Men's and boys' clothing, n.e.c.	10	----	3	7	2,404	3,327	1,983	2,295	2,777	5,492	171
24	Lumber and products, except furniture	1,020	692	274	54	28,624	42,496	20,920	27,487	38,827	87,595	5,517
242	Lumber and timber basic products	939	659	243	37	22,731	32,519	16,357	21,957	30,024	66,755	4,294
2421	Sawmills and planing mills, general	902	655	213	34	20,702	29,328	14,784	20,009	27,100	62,537	3,683
2422	Veneer mills	9	----	7	2	620	1,161	(d)	589	1,044	1,917	417
2424	Cooperage stock mills	28	4	23	1	1,409	2,030	860	1,359	1,880	2,301	194
243	Millwork and related products	35	23	8	4	1,048	1,863	1,010	971	1,533	3,617	317
2431	Millwork plants	29	22	6	1	508	977	(d)	450	723	1,935	232
2432	Plywood plants	6	1	2	3	540	886	258	521	810	1,682	85
244	Wooden containers	15	3	5	7	2,759	4,324	2,346	2,598	3,901	7,424	417
249	Miscellaneous wood products	31	7	18	6	2,086	3,790	1,207	1,961	3,369	9,799	489
2491	Wood preserving	11	----	7	4	1,080	2,140	903	1,031	1,956	6,854	239
2499	Wood products, n.e.c.	20	7	11	2	1,006	1,650	304	930	1,413	2,945	200

See footnotes at end of table.

TABLE 4.—GENERAL STATISTICS AND DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS, BY INDUSTRY, FOR THE STATE: 1947—Continued

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
25	Furniture and fixtures	24	16	5	3	1,559	$2,765	198	1,333	$2,098	$2,947	(d)
251	Household furniture	17	12	2	3	1,360	2,398	62	1,167	1,824	2,368	(d)
2511	Wood house furniture, except upholst.	12	8	1	3	1,302	2,310	(d)	1,117	1,763	2,170	(d)
26	Paper and allied products	11		3	8	4,827	12,992	2,570	4,350	11,194	36,463	$3,865
261	Pulp, paper, and paperboard	8			8	4,677	12,657	(d)	4,223	10,968	35,784	3,403
2611	Pulp mills	4			4	1,834	4,958	(d)	1,764	4,696	19,194	(d)
2612	Paper and board mills	4			4	2,843	7,699	2,245	2,459	6,272	16,590	(d)
27	Printing and publishing products	161	141	18	2	1,605	3,634	614	932	2,009	6,733	338
2711	Newspapers	92	76	14	2	1,127	2,660	407	588	1,344	4,922	(d)
2751	Commercial printing	55	51	4		439	899	170	322	620	1,600	44
28	Chemicals and allied products	84	22	54	8	4,787	10,154	3,490	4,154	7,729	35,342	3,031
2862	Softwood distillation	7		2	5	1,745	4,448	932	1,569	3,736	16,763	676
287	Fertilizers	13	4	8	1	632	996	369	561	813	2,709	198
288	Vegetable and animal oils	49	5	42	2	2,274	4,449	2,135	1,927	3,026	14,738	1,071
2881	Cottonseed oil mills	37	1	34	2	1,916	3,840	(d)	1,614	2,557	12,175	612
29	Petroleum and coal products	3	1	2		111	(d)		94	(d)	(d)	(d)
30	Rubber products	2	1		1	(d)	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	1	1			(d)	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	91	68	20	3	2,026	4,104	935	1,803	3,226	10,445	1,493
325	Structural clay products	16	4	12		498	773	441	450	609	1,277	216
327	Concrete and plaster products	61	56	5		457	728	83	424	562	1,740	124
3281	Cut-stone and stone products	5	4		1	131	230	74	119	192	496	18
33	Primary metal industries	8	3	5		279	683	(d)	234	493	982	23
3321	Gray-iron foundries	8	3	5		279	683	(d)	234	493	982	23
34	Fabricated metal products	20	11	9		445	1,018	83	393	753	2,539	139
344	Structural metal products	14	9	5		249	627	41	221	444	1,054	106
3441	Structural and ornamental products	5	2	3		130	335	(d)	117	234	482	35
35	Machinery (except electrical)	24	17	5	2	1,053	2,805	159	825	1,901	3,342	201
355	Special-industry machinery, n.e.c.	7	3	3	1	399	1,076	(d)	316	713	1,484	37
36	Electrical machinery	2			2	(d)	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	21	14	5	2	5,145	(d)	388	4,886	(d)	(d)	(d)
3732	Boat building and repairing	9	8	1		109	220	n.a.	102	192	816	3
38	Instruments and related products	3	3			12	(d)		11	(d)	(d)	(d)
39	Miscellaneous manufactures	23	20	3		231	374	73	216	342	475	(d)

d Withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
[1] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.
[2] See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, BY INDUSTRY: 1947

[This State contained no standard metropolitan area with 40,000 or more manufacturing employees in 1947]

TABLE 6.—GENERAL STATISTICS FOR PRINCIPAL INDUSTRIAL COUNTIES, BY INDUSTRY GROUPS: 1947

[This State contained no county with 20,000 or more manufacturing employees in 1947]

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947

20 Food and kindred products
21 Tobacco manufactures
22 Textile mill products
23 Apparel and related products
24 Lumber and products, exc. furniture
25 Furniture and fixtures
26 Paper and allied products
27 Printing and publishing industries
28 Chemicals and allied products
29 Petroleum and coal products
30 Rubber products
31 Leather and leather products
32 Stone, clay, and glass products
33 Primary metal industries
34 Fabricated metal products
35 Machinery (except electrical)
36 Electrical machinery
37 Transportation equipment
38 Instruments and related products
39 Miscellaneous manufactures

[Counties and size groups in which no manufacturing establishments were reported are omitted]

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	1,982	411		18	55	1,020	24	11	161	84	3	2	1	91	8	20	24	2	21	3	23
1-19 employees	1,316	298		2	6	692	16		141	22	1	1	1	68	3	11	17		14	3	20
20-99 employees	520	100		3	14	274	5	3	18	54	2			20	5	9	5		5		3
100 employees and over	146	13		13	35	54	3	8	2	8		1		3			2	2	2		
Adams:																					
1-19 employees	13	6				3			3					1							
20-99 employees	11	3				7			1												
100 employees and over	5				1	3						1									
Alcorn:																					
1-19 employees	16	7				7			2												
20-99 employees	7	1				2	1		1	1				1							
100 employees and over	3			1	1												1				
Amite:																					
1-19 employees	20	2				17			1												
20-99 employees	11					11															
100 employees and over	2					2															
Attala:																					
1-19 employees	23	4				16			1					1		1					
20-99 employees	8	3				4				1											
100 employees and over	2			1		1															
Benton:																					
1-19 employees	3					2			1												
20-99 employees	1				1																
Bolivar:																					
1-19 employees	19	7				7			3					1			1				
20-99 employees	4	1				1				2											
Calhoun:																					
1-19 employees	30	2				27			1												
20-99 employees	1				1																
100 employees and over	1					1															
Carroll:																					
1-19 employees	11	1				9			1												
Chickasaw:																					
1-19 employees	17	4				12			1												
20-99 employees	7	1			1	4								1							
100 employees and over	1				1																
Choctaw:																					
1-19 employees	28	1				26			1												
20-99 employees	6				1	5															
Claiborne:																					
1-19 employees	6	2				3			1												
20-99 employees	2					1				1											
Clarke:																					
1-19 employees	23	4				17			1					1							
20-99 employees	10			1		9															
100 employees and over	3			1		2															
Clay:																					
1-19 employees	11	3				4			1	1						1					1
20-99 employees	4	3				1															
100 employees and over	3	1		1	1																
Coahoma:																					
1-19 employees	12	6				2			2					1							1
20-99 employees	7	2				1				2							2				
Copiah:																					
1-19 employees	30	6				18			3					3							
20-99 employees	11					10				1											
100 employees and over	2				1	1															
Covington:																					
1-19 employees	13	1				11			1												
20-99 employees	4					4															
De Soto:																					
1-19 employees	4	1				1			1					1							
Forrest:																					
1-19 employees	41	11				12	1		2	2				3	1	2	5				2
20-99 employees	17	4				7		1	1	1				2		1					
100 employees and over	5				2	1				2											
Franklin:																					
1-19 employees	13	1				11			1												
20-99 employees	6					6															
100 employees and over	2					2															
George:																					
1-19 employees	2	1							1												
20-99 employees	2					2															
Greene:																					
1-19 employees	9	1				7								1							
20-99 employees	4					4															
100 employees and over	1					1															
Grenada:																					
1-19 employees	9	2				2			3					2							
20-99 employees	6	1				3				1				1							
100 employees and over	3			1		2															
Hancock:																					
1-19 employees	12	3				8			1												
20-99 employees	2	1			1																
Harrison:																					
1-19 employees	67	23		1		18	1		7	3				5			1		6	1	1
20-99 employees	17	13				1			1	1						1					
100 employees and over	8	5			1	1				1											
Hinds:																					
1-19 employees	83	25			2	8	2		22	6	1		1	3		2	2		2	2	5
20-99 employees	60	19			2	12	1		2	7				8	2	4	1				2
100 employees and over	13	3			1	3	1		2	1				1				1			

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Holmes:																					
1–19 employees	10	4				3			2					1							
20–99 employees	7				1	5													1		
100 employees and over	1			1																	
Humphreys:																					
1–19 employees	2	2																			
20–99 employees	3					1				1					1						
Itawamba:																					
1–19 employees	21	1				18			1					1							
20–99 employees	4					4															
100 employees and over	1				1																
Jackson:																					
1–19 employees	13	1				3	1		3	1				3	1						
20–99 employees	16	1				9			1	2									2		1
100 employees and over	3							2											1		
Jasper:																					
1–19 employees	17					16			1												
20–99 employees	8					7					1										
Jefferson:																					
1–19 employees	8	1				5			1					1							
20–99 employees	4					4															
Jefferson Davis:																					
1–19 employees	3	1				2															
20–99 employees	1					1															
Jones:																					
1–19 employees	24	7				8			3	2				2					2		
20–99 employees	21	5		1		7	1	1	1	2				1		1	1				
100 employees and over	9			1	1	5		2													
Kemper:																					
1–19 employees	13					12			1												
20–99 employees	9					9															
Lafayette:																					
1–19 employees	9	2				5			2												
Lamar:																					
1–19 employees	16	2				12	2														
20–99 employees	3					3															
Lauderdale:																					
1–19 employees	60	13		1	2	24	3		5					6			2				4
20–99 employees	28	9		1		10	1		2	2				1	1	1					
100 employees and over	10	2		3	2	1		2													
Lawrence:																					
1–19 employees	8					8															
20–99 employees	1					1															
100 employees and over	2				1	1															
Leake:																					
1–19 employees	16	3				12			1												
20–99 employees	1					1															
Lee:																					
1–19 employees	16	5				4	2		3					2							
20–99 employees	11	6			1				1	2				1							
100 employees and over	4				4																
Leflore:																					
1–19 employees	15	7				1			2	1				3					1		
20–99 employees	9	2				1			2	3									1		
100 employees and over	2									1								1			
Lincoln:																					
1–19 employees	27	6				18			2												1
20–99 employees	8					4	1		1	1				1							
100 employees and over	2				1	1															
Lowndes:																					
1–19 employees	23	8				10								4							1
20–99 employees	14	6				5			1	1				1							
100 employees and over	6				1	3	1							1							
Madison:																					
1–19 employees	11	2				5	2		1												1
20–99 employees	7					6													1		
100 employees and over	2					1	1														
Marion:																					
1–19 employees	17	3				10			2					1			1				
20–99 employees	3	1				2															
100 employees and over	4				1	1				2											
Marshall:																					
1–19 employees	13	2				7			1					1			2				
20–99 employees	1					1															
Monroe:																					
1–19 employees	31	3				22			3	1				1			1				
20–99 employees	7	1				5				1											
100 employees and over	2				2																
Montgomery:																					
1–19 employees	15	2				11			1					1							
20–99 employees	3					3															
100 employees and over	1				1																
Neshoba:																					
1–19 employees	14	2				9			1	1				1							
20–99 employees	2					2															
100 employees and over	3				1	2															
Newton:																					
1–19 employees	23	2				19			2												
20–99 employees	7	2				4				1											
100 employees and over	2				1	1															
Noxubee:																					
1–19 employees	9	4				4			1												
20–99 employees	4	1				2				1											
Oktibbeha:																					
1–19 employees	21	4				15			1							1					
20–99 employees	5	2				3															
100 employees and over	1			1																	
Panola:																					
1–19 employees	10	4				3			2	1				1							
20–99 employees	7					5				1											
100 employees and over	1			1																	

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR COUNTIES: 1947—Continued

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Pearl River:																					
1-19 employees	12	3				4			2	1						1	1				
20-99 employees	6					5				1											
100 employees and over	3				1	1				1											
Perry:																					
1-19 employees	5	1				4															
20-99 employees	2					1				1											
100 employees and over	1					1															
Pike:																					
1-19 employees	21	5				7			5					1	1	1			1		
20-99 employees	10	2				7				1											
100 employees and over	4			1	1	2															
Pontotoc:																					
1-19 employees	7	1				3			1					2							
20-99 employees	3				2					1											
Prentiss:																					
1-19 employees	17				1	12			2					1					1		
20-99 employees	1	1																			
100 employees and over	3				3																
Quitman:																					
1-19 employees	5	2				1			1					1							
20-99 employees	1									1											
100 employees and over	1	1																			
Rankin:																					
1-19 employees	15	2				9			1	1				1		1					
20-99 employees	3					2		1													
100 employees and over	3					2								1							
Scott:																					
1-19 employees	12	2				8	1			1											
20-99 employees	5				1	4															
100 employees and over	2					2															
Sharkey:																					
1-19 employees	3	2							1												
20-99 employees	1					1															
Simpson:																					
1-19 employees	13	2				8			2					1							
20-99 employees	4					3				1											
Smith:																					
1-19 employees	21					21															
20-99 employees	4					4															
Stone:																					
1-19 employees	8	1				6			1												
20-99 employees	4					4															
100 employees and over	1	1																			
Sunflower:																					
1-19 employees	13	9							2					2							
20-99 employees	2									2											
Tallahatchie:																					
1-19 employees	13	3				8			1			1									
20-99 employees	3					2				1											
Tate:																					
1-19 employees	3	1				1			1												
Tippah:																					
1-19 employees	8	1				5			1					1							
100 employees and over	1				1																
Tishomingo:																					
1-19 employees	14					11			1					1							1
20-99 employees	1				1																
Tunica:																					
1-19 employees	3	2							1												
20-99 employees	1									1											
Union:																					
1-19 employees	13	4				7			1										1		
20-99 employees	2	1				1															
100 employees and over	2				2																
Walthall:																					
1-19 employees	5	2				2											1				
20-99 employees	1					1															
Warren:																					
1-19 employees	24	14				1	1		4					3							1
20-99 employees	21	3			1	12			2	2					1						
100 employees and over	5					3											1		1		
Washington:																					
1-19 employees	17	13							2					1							1
20-99 employees	14	4				3			1	5						1					
100 employees and over	3					1		2													
Wayne:																					
1-19 employees	9	1				7			1												
20-99 employees	6					6															
100 employees and over	1					1															
Webster:																					
1-19 employees	31	1				28			1					1							
20-99 employees	2					2															
Wilkinson:																					
1-19 employees	5	2				1			1							1					
20-99 employees	6					6															
100 employees and over	2					2															
Winston:																					
1-19 employees	18	2			1	14			1												
20-99 employees	8					6								1			1				
100 employees and over	2					2															
Yalobusha:																					
1-19 employees	10	3				5			2												
20-99 employees	2	1				1															
100 employees and over	1				1																
Yazoo:																					
1-19 employees	11	4				5			1					1							
20-99 employees	5					3				1	1										
100 employees and over	1					1															

TABLE 8.—NUMBER OF EMPLOYEES BY MONTH AND SALARIES AND WAGES, FOR THE STATE, BY MAJOR INDUSTRY GROUPS: 1947

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS]

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month												
				Number of employees												
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$137,705**	**76,671**	**75,463**	**75,865**	**76,098**	**76,555**	**75,735**	**73,769**	**72,403**	**72,917**	**74,505**	**75,862**	**76,994**	**77,765**	**77,088**
20	Food and kindred products	13,651	8,133	7,629	7,667	7,044	7,486	7,434	7,238	7,283	7,197	7,733	8,240	8,328	8,286	7,615
22	Textile mill products	8,649	5,273	5,273	5,397	5,399	5,342	5,351	5,211	4,948	4,927	4,985	5,161	5,490	5,480	5,582
23	Apparel and related products	13,922	11,034	10,951	11,347	11,538	11,603	11,575	11,157	10,237	9,794	10,182	10,454	10,728	11,215	11,583
24	Lumber and products, exc. furniture	42,496	28,624	28,376	28,286	28,383	28,428	28,016	27,297	27,223	28,199	28,803	28,439	28,632	29,482	29,330
25	Furniture and fixtures	2,765	1,559	1,494	1,173	1,230	1,345	1,451	1,460	1,586	1,530	1,507	1,556	1,605	1,698	1,787
26	Paper and allied products	12,992	4,827	4,827	4,647	4,633	4,595	4,598	4,615	4,678	4,806	4,977	5,052	5,117	5,134	5,068
27	Printing and publishing industries	3,634	1,605	1,574	1,552	1,546	1,542	1,558	1,556	1,567	1,595	1,598	1,589	1,586	1,591	1,609
28	Chemicals and allied products	10,154	4,787	4,766	5,117	5,021	4,960	4,550	4,118	4,040	4,119	4,063	4,996	5,404	5,384	5,419
32	Stone, clay, and glass products	4,104	2,026	1,921	1,823	1,849	1,858	1,863	1,917	1,952	1,975	2,078	2,117	1,899	1,862	1,854
33	Primary metal industries	683	279	268	296	291	287	288	289	197	234	238	246	270	288	296
34	Fabricated metal products	1,018	445	425	411	427	409	419	411	396	416	454	472	481	408	392
35	Machinery (except electrical)	2,805	1,053	1,010	1,174	1,175	1,184	1,294	1,242	1,217	1,140	811	729	719	717	722
39	Miscellaneous manufactures	374	231	195	209	205	211	196	186	184	189	184	191	197	203	189
	All other major industry groups	20,458	6,795	6,754	6,766	7,357	7,305	7,142	7,072	6,895	6,796	6,892	6,620	6,538	6,017	5,642

TABLE 9.—DETAILED STATISTICS FOR THE STATE: 1947

[**Money figures in thousands of dollars.** For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Total for the State
ALL ESTABLISHMENTS	
Number of establishments	1,982
Number of employees (average for the year)	76,671
Salaries and wages, total	$137,705
Value added by manufacture	$300,184
Establishments by employment size group:	
1-4 employees	420
5-9 employees	525
10-19 employees	371
20-49 employees	347
50-99 employees	173
100-249 employees	96
250-499 employees	29
500-999 employees	17
1,000-2,499 employees	3
2,500 employees and over	1
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	1,257
Number of employees (average for the year)	71,967
Salaries and wages, total	$132,649
Value added by manufacture	$290,535
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	73,332
Male	56,431
Female	16,901
Production workers	66,032
Male	50,776
Female	15,256
Force-account construction workers	178
Administrative, supervisory, sales, and all other	7,122
Male	5,479
Female	1,643
Expenditures for plant and equipment:	
New plant and equipment	$22,713
Construction and major alteration of fixed plants	6,626
Buildings	5,588
Other construction	1,038
Machinery and equipment	16,087
Production machinery and equipment	12,896
Other machinery and equipment	3,191
Used plant and equipment and land	1,578

TABLE 10.—HIGHWAY-TYPE MOTOR VEHICLES OWNED OR LEASED, BY BODY TYPE AND BY MANUFACTURER'S RATED CAPACITY, FOR THE STATE: DECEMBER 31, 1947

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	3,314	919	1,604	643	79	48	21	27	60
Van	220		100	104	2	7	7		
Stake or platform	1,159	166	710	233	30	17	3		
Panel or light delivery	674	559	115						
All other	1,261	194	679	306	47	24	11		
Truck tractors	663	24	335	202	39	20	43		
Trailers and semitrailers	784							24	13