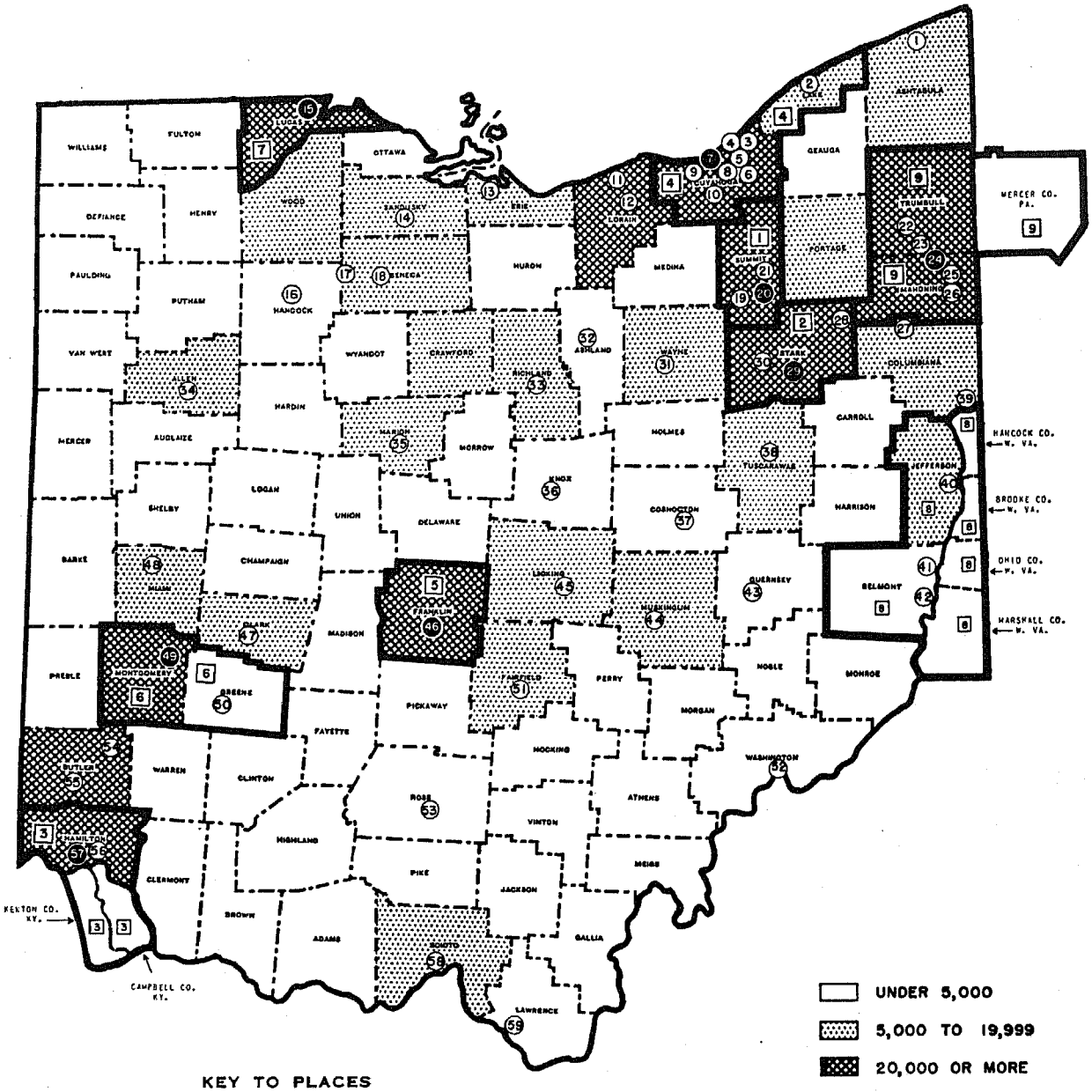
OHIO

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Akron	20
Alliance	28
Ashland	32
Ashtabula	1
Barberton	19
Bellaire	42
Cambridge	43
Campbell	25
Canton	29
Chillicothe	53
Cincinnati	57
Cleveland	7
Cleveland Heights	5
Columbus	46
Coshocton	37
Cuyahoga Falls	21
Dayton	49
East Cleveland	4
East Liverpool	39
Elyria	12
Euclid	3
Findlay	16
Fostoria	17
Fremont	14
Garfield Heights	8
Hamilton	55
Ironton	59
Lakewood	9
Lancaster	51
Lima	34
Lorain	11
Mansfield	33
Marietta	52
Marion	35
Martins Ferry	41
Massillon	30
Middletown	54
Mount Vernon	36
Newark	45
New Philadelphia	38
Niles	23
Norwood	56
Painesville	2
Parma	10
Piqua	48
Portsmouth	58
Salem	27
Sandusky	13
Shaker Heights	6
Springfield	47
Steubenville	40
Struthers	26
Tiffin	18
Toledo	15
Warren	22
Wooster	31
Xenia	50
Youngstown	24
Zanesville	44

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	
OHIO						
1947	12,303	1,194,603	$3,560,075	988,446	$2,727,481	$6,359,006
1939 [3]	9,543	731,742	1,120,831	595,520	809,399	2,116,434
1937	9,138	798,221	1,200,524	694,205	957,650	2,306,627
1935 [4]	9,142	668,115	858,551	579,522	665,855	1,655,136
1933	8,101	n.a.	n.a.	472,699	439,753	1,140,467
1931	9,877	n.a.	n.a.	506,960	593,025	1,576,176
1929	11,855	853,385	1,404,180	741,143	1,102,166	2,889,804
1927	10,961	n.a.	n.a.	669,097	968,181	2,353,197
1925	11,137	n.a.	n.a.	676,742	975,812	2,317,836
1923	11,195	n.a.	n.a.	699,132	979,660	2,237,348
1921	11,479	n.a.	n.a.	494,288	627,033	1,381,603
1919	15,585	867,255	1,214,552	728,303	941,340	2,182,610
1914	15,573	592,934	423,010	510,220	317,772	761,676
1909	15,138	508,285	317,597	446,934	245,450	613,734
1904	13,785	404,289	225,864	364,298	182,429	433,175
1899	13,868	336,218	164,579	308,109	136,428	339,368
AKRON METROPOLITAN AREA [Consists of Summit County, Ohio]						
1947	482	94,011	$284,302	75,289	$215,444	$460,327
1939 [3]	324	52,602	96,759	40,114	65,463	166,444
1929 [5]	353	77,093	132,202	66,871	106,477	280,546
1919	405	n.a.	n.a.	71,050	102,708	261,175
CANTON METROPOLITAN AREA [Consists of Stark County, Ohio]						
1947	385	55,564	$158,649	47,600	$128,551	$280,241
1939 [3]	323	32,342	50,343	28,854	42,061	107,807
1929 [5]	338	36,834	67,456	32,202	54,735	142,508
1919	584	n.a.	n.a.	34,182	47,876	108,670
CINCINNATI METROPOLITAN AREA [Consists of Hamilton County, Ohio; Campbell and Kenton Counties, Kentucky]						
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
CLEVELAND METROPOLITAN AREA [Consists of Cuyahoga and Lake Counties, Ohio]						
1947	3,258	268,750	$866,849	218,929	$645,539	$1,546,117
1939 [3]	2,441	150,854	240,879	129,358	183,314	504,992
1929 [5]	2,829	191,612	336,550	164,793	257,664	690,275
1919	3,182	n.a.	n.a.	169,813	228,927	518,009
COLUMBUS METROPOLITAN AREA [Consists of Franklin County, Ohio]						
1947	679	54,877	$153,462	42,363	$105,356	$277,809
1939 [3]	500	29,380	39,631	25,309	29,658	90,049
1929 [5]	624	32,603	50,730	27,562	36,911	111,403
1919	774	n.a.	n.a.	31,573	37,447	82,882
DAYTON METROPOLITAN AREA [Consists of Greene and Montgomery Counties, Ohio]						
1947	638	95,347	$308,299	79,433	$240,266	$496,380
1939 [3]	481	50,532	84,491	40,200	60,874	164,963
1929 [5]	555	51,874	87,605	43,778	66,085	216,284
1919	734	n.a.	n.a.	34,331	42,916	103,170
TOLEDO METROPOLITAN AREA [Consists of Lucas County, Ohio]						
1947	627	69,599	$221,562	56,730	$167,461	$390,032
1939 [3]	473	37,958	61,161	30,542	43,505	111,138
1929 [5]	605	58,330	97,339	51,646	75,941	206,805
1919	714	n.a.	n.a.	44,713	56,910	125,667
WHEELING-STEUBENVILLE METROPOLITAN AREA [Consists of Belmont and Jefferson Counties, Ohio; Brooke, Hancock, Marshall, and Ohio Counties, West Virginia]						
1947	343	51,751	$147,020	46,484	$125,513	$259,509
1939 [3]	304	44,001	60,829	41,228	53,969	100,873
1929 [5]	416	44,887	73,905	41,066	64,076	129,534
1919	743	n.a.	n.a.	36,464	51,440	101,187

See footnotes at end of table.

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

CENSUS YEAR	Number of establishments	All employees		Production workers		Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
YOUNGSTOWN METROPOLITAN AREA [Consists of Mahoning and Trumbull Counties, Ohio; Mercer County, Pennsylvania]						
1947	552	108,654	$330,825	94,263	$273,621	$567,307
1939 [3]	429	69,461	110,720	63,010	94,861	200,320
1929 [5]	496	74,600	139,583	66,515	118,047	273,627
1919	764	n.a.	n.a.	63,830	114,650	208,200

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and for the Akron, Dayton, and Toledo Metropolitan Areas, and the 1947 figures for the Canton, Cincinnati, Cleveland, Columbus, Wheeling-Steubenville, and Youngstown 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 $2,125.5 million for the State, $166.6 million for the Akron Metropolitan Area, $107.9 million for the Canton Metropolitan Area, $269.4 million for the Cincinnati Metropolitan Area, $506.8 million for the Cleveland Metropolitan Area, $90.9 million for the Columbus Metropolitan Area, $165.2 million for the Dayton Metropolitan Area, $111.5 million for the Toledo Metropolitan Area, $101.1 million for the Wheeling-Steubenville Metropolitan Area, and $200.6 million for the Youngstown 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 $1,681.1 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 Akron, Cincinnati, Columbus, Dayton, and Toledo Metropolitan Areas, 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 areas. Value added by manufacture for 1929, including data for these industries, was $281.4 million for the Akron Metropolitan Area, $367.2 million for the Cincinnati Metropolitan Area, $121.1 million for the Columbus Metropolitan Area, $216.8 million for the Dayton Metropolitan Area, and $212.8 million for the Toledo Metropolitan Area. For the Canton, Cleveland, Wheeling-Steubenville, and Youngstown 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 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	**6,907,612**	**12,303**	**1,194,603**	**$3,560,075**	**988,446**	**$2,727,481**	**$6,359,006**	**9,543**	**595,520**	**$2,116,434**
STANDARD METROPOLITAN AREAS										
Akron area	339,405	482	94,011	284,302	75,289	215,444	460,327	324	40,114	166,444
Canton area	234,887	385	55,564	158,649	47,600	128,551	280,241	323	28,854	107,807
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 Ohio	621,987	1,564	126,603	357,162	100,878	255,205	732,158	1,414	66,692	251,574
Portion in Kentucky	165,057	136	9,171	25,773	7,598	19,512	45,043	107	5,709	16,443
Cleveland area	1,267,270	3,258	268,750	866,849	218,929	645,539	1,546,117	2,441	129,358	504,992
Columbus area	388,712	679	54,877	153,462	42,363	105,356	277,809	500	25,309	90,049
Dayton area	331,343	638	95,347	308,299	79,433	240,266	496,380	481	40,200	164,963
Toledo area	344,333	627	69,599	221,562	56,730	167,461	390,032	473	30,542	111,138
Wheeling-Steubenville area, total	364,132	343	51,751	147,020	46,484	125,513	259,509	304	41,228	100,873
Portion in Ohio	193,743	142	14,783	42,480	13,316	37,435	72,689	108	12,717	32,585
Portion in West Virginia	170,389	201	36,968	104,540	33,168	88,078	186,820	196	28,511	68,288
Youngstown area, total	473,605	552	108,654	330,825	94,263	273,621	567,307	429	63,010	200,320
Portion in Ohio	372,566	436	88,015	265,594	77,167	221,636	445,777	333	52,245	167,572
Portion in Pennsylvania	101,039	116	20,639	65,231	17,096	51,985	121,530	96	10,765	32,748
COUNTIES										
Adams	21,705	11	312	538	280	437	996	10	231	306
Allen	73,303	103	14,702	43,450	11,772	32,243	73,106	89	6,135	16,388
Ashland	29,785	42	4,306	11,902	3,616	9,146	28,086	44	2,820	7,357
Ashtabula	68,674	131	6,707	17,745	5,753	14,164	37,151	73	2,420	7,391
Athens	46,166	24	831	1,976	727	1,711	4,504	22	647	1,764
Auglaize	28,037	51	3,969	10,411	3,286	7,830	16,729	57	1,685	4,552
Belmont	95,614	77	4,627	11,208	4,094	9,257	19,037	58	3,318	6,440
Brown	21,638	14	618	1,010	556	855	1,726	14	506	555
Butler	120,249	153	27,047	84,037	22,617	66,181	137,406	124	14,593	46,160
Carroll	17,449	26	1,179	2,891	1,050	2,469	5,293	16	1,260	2,468
Champaign	25,258	31	1,360	3,757	1,197	2,974	8,560	25	834	2,264
Clark	95,647	192	19,446	56,088	15,573	43,431	113,247	152	10,280	47,934
Clermont	34,109	39	848	1,495	739	1,186	2,561	23	679	1,207
Clinton	22,574	34	1,052	2,659	880	2,040	4,329	21	543	1,383
Columbiana	90,121	155	12,692	33,753	11,053	27,251	59,129	122	6,667	16,233
Coshocton	30,594	71	4,474	11,033	3,609	7,596	22,351	44	2,105	5,684
Crawford	35,571	71	5,946	17,156	5,148	13,037	33,018	68	2,752	9,269
Cuyahoga	1,217,250	3,162	260,034	839,791	211,789	625,291	1,488,276	2,393	125,346	487,550
Darke	38,831	58	1,308	2,703	1,136	2,155	5,595	56	984	2,280
Defiance	24,367	58	2,503	6,781	2,195	5,332	12,936	41	1,395	3,646

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										
Delaware	26,780	39	1,102	$2,637	982	$2,206	$7,708	27	433	$1,233
Erie	43,201	105	8,814	23,950	7,441	18,901	43,834	84	3,453	10,982
Fairfield	48,490	56	5,914	14,279	5,075	11,654	24,487	45	5,136	10,753
Fayette	21,385	22	1,121	2,400	959	1,858	3,722	24	701	1,460
Franklin	388,712	679	54,877	153,462	42,363	105,356	277,809	500	25,309	90,049
Fulton	23,626	53	1,854	4,150	1,652	3,331	8,621	27	682	1,602
Gallia	24,930	12	170	344	134	234	525	14	96	269
Geauga	19,430	41	1,484	4,410	1,254	3,218	7,727	15	469	1,531
Greene	35,863	43	1,679	4,413	1,439	3,459	8,625	27	864	2,827
Guernsey	38,822	48	2,272	5,512	2,023	4,498	8,542	31	1,629	3,127
Hamilton	621,987	1,564	126,603	357,162	100,878	255,205	732,158	1,414	66,692	251,574
Hancock	40,793	73	4,585	12,333	3,630	8,939	21,495	46	2,558	7,323
Hardin	27,061	37	1,294	2,780	1,134	2,193	4,436	33	530	1,377
Harrison	20,313	16	1,024	2,256	925	1,911	3,465	14	552	1,121
Henry	22,756	42	748	1,552	597	1,140	2,927	30	280	715
Highland	27,099	32	1,706	3,337	1,543	2,813	6,100	30	870	1,738
Hocking	21,504	30	1,471	3,397	1,326	3,003	5,911	20	1,071	1,786
Holmes	17,876	44	433	1,032	412	916	1,709	19	118	252
Huron	34,800	65	2,672	6,539	2,266	4,949	13,853	53	1,444	3,733
Jackson	27,004	48	2,181	5,328	1,875	4,232	9,009	27	1,009	1,899
Jefferson	98,129	65	10,156	31,272	9,222	28,178	53,652	50	9,399	26,145
Knox	31,024	41	4,588	13,791	3,848	10,730	23,045	33	1,674	6,016
Lake	50,020	96	8,716	27,058	7,140	20,248	57,841	48	4,012	17,442
Lawrence	46,705	39	4,180	11,167	3,591	9,087	30,046	36	1,612	4,619
Licking	62,279	65	7,088	19,520	5,700	15,056	31,571	64	3,414	11,239
Logan	29,624	38	1,077	2,593	911	2,195	4,359	32	518	1,455
Lorain	112,390	161	28,980	87,791	24,226	69,350	131,638	113	14,585	56,651
Lucas	344,333	627	69,599	221,562	56,730	167,461	390,032	473	30,542	111,138
Madison	21,811	22	694	1,433	592	1,136	3,043	15	239	519
Mahoning	240,251	260	47,858	144,194	42,379	122,378	232,043	198	33,037	98,482
Marion	44,898	81	7,231	20,658	5,846	15,493	36,837	51	2,948	9,553
Medina	33,034	53	4,487	11,708	3,790	8,992	18,652	34	2,016	5,110
Meigs	24,104	24	361	715	291	606	1,160	14	200	506
Mercer	26,256	34	2,106	5,168	1,730	3,702	10,826	37	1,402	4,496
Miami	52,632	116	7,965	23,261	6,658	17,288	44,606	86	4,588	17,537
Monroe	18,641	8	45	(d)	30	(d)	(d)	5	11	(d)
Montgomery	295,480	595	93,668	303,886	77,994	236,807	487,755	454	39,336	162,136
Morgan	14,227	7	214	435	189	349	682	14	146	276
Morrow	15,646	16	665	(d)	441	(d)	(d)	10	322	(d)
Muskingum	69,795	102	9,483	22,808	8,178	18,492	44,687	68	5,638	15,074
Noble	14,587	9	169	295	157	257	581	8	71	112
Ottawa	24,360	54	2,552	6,906	2,231	5,608	15,508	31	1,709	6,409
Paulding	15,527	12	614	1,310	527	970	2,033	10	124	383
Perry	31,087	31	1,887	4,376	1,745	3,839	7,398	27	1,259	2,375
Pickaway	27,889	26	830	2,057	695	1,528	4,565	21	497	2,063
Pike	16,113	12	45	78	41	73	136	9	35	86
Portage	46,660	80	7,234	20,457	6,264	16,600	32,896	56	3,231	10,778
Preble	23,329	33	460	868	405	721	1,601	25	180	442
Putnam	25,016	30	588	1,018	518	921	2,365	22	230	486
Richland	73,853	125	18,663	60,151	15,841	47,731	118,465	106	9,533	29,678
Ross	52,147	43	3,411	8,841	2,842	6,891	16,376	26	2,751	8,867
Sandusky	41,014	95	6,544	17,950	5,662	14,154	35,549	76	3,200	9,682
Scioto	86,565	76	11,934	28,994	10,662	25,087	40,023	48	7,931	17,249
Seneca	48,499	77	8,727	23,668	7,563	19,198	49,819	72	3,680	12,471
Shelby	26,071	55	4,136	11,867	3,568	9,163	21,933	39	1,705	4,999
Stark	234,887	385	55,564	158,649	47,600	128,551	280,241	323	28,854	107,807
Summit	339,405	482	94,011	284,302	75,289	215,444	460,327	324	40,114	166,444
Trumbull	132,315	176	40,157	121,400	34,788	99,258	213,734	135	19,208	69,090
Tuscarawas	68,816	120	8,495	21,898	7,574	18,501	41,296	107	5,558	13,714
Union	20,012	20	673	1,690	590	1,400	4,244	13	501	(d)
Van Wert	26,759	31	2,205	5,091	1,934	4,242	9,236	28	608	1,496
Vinton	11,573	19	367	969	317	759	2,703	12	161	(d)
Warren	29,894	39	3,154	8,627	2,840	7,503	20,422	29	1,546	5,126
Washington	43,537	50	2,524	5,898	2,008	4,319	14,961	38	791	2,178
Wayne	50,520	90	5,825	15,830	4,801	11,612	32,856	71	2,521	7,326
Williams	25,510	46	2,491	6,051	2,080	4,438	10,929	47	1,422	3,193
Wood	51,796	63	5,547	16,577	4,825	14,005	43,581	50	2,829	15,098
Wyandot	19,218	22	670	1,626	615	1,462	3,064	23	536	1,732
URBAN PLACES										
Akron	244,791	342	76,534	233,069	61,409	178,140	367,844	250	33,032	133,782
Alliance	22,405	56	5,345	15,959	4,508	12,623	28,818	45	2,283	6,862
Ashland	12,453	27	3,405	9,152	2,767	6,548	20,328	32	2,335	5,693
Ashtabula	21,405	39	3,131	8,861	2,678	6,992	21,210	30	1,177	3,919
Barberton	24,028	41	14,362	41,694	11,305	30,385	75,477	29	5,722	28,246
Bellaire	13,799	14	1,416	2,725	1,271	2,261	4,162	14	638	1,269
Cambridge	15,044	26	948	2,249	839	1,922	4,073	23	1,386	2,670
Campbell	13,785	6	8,643	(d)	8,129	(d)	(d)	7	8,523	(d)
Canton	108,401	188	32,835	91,606	27,554	75,279	158,213	161	16,676	63,155
Chillicothe	20,129	22	3,307	8,675	2,749	6,753	15,897	22	2,705	(d)
Cincinnati	455,610	1,319	97,511	270,129	77,383	190,913	492,955	1,232	52,566	190,116
Cleveland	878,336	2,813	223,641	722,300	181,670	533,247	1,289,995	2,179	111,662	432,205
Cleveland Heights	54,992	12	233	561	197	413	1,696	14	67	162
Columbus	306,087	583	41,367	114,687	31,970	79,094	222,072	445	21,654	78,800
Coshocton	11,509	46	2,810	7,143	2,200	4,593	15,645	34	1,396	3,428

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—Continued										
Cuyahoga Falls	20,546	46	1,401	$4,645	1,083	$2,933	$7,611	24	374	$1,563
Dayton	210,718	497	75,843	247,916	62,197	189,645	416,008	409	31,360	(d)
East Cleveland	39,495	41	812	2,269	631	1,667	3,631	33	1,697	5,583
East Liverpool	23,555	35	2,683	6,586	2,274	4,984	11,126	39	1,437	3,861
Elyria	25,120	68	11,284	35,097	9,541	27,356	58,164	42	4,822	14,214
Euclid	17,866	53	17,755	60,149	14,570	47,211	108,784	24	3,696	20,111
Findlay	20,228	50	3,999	10,561	3,162	7,704	17,118	35	1,842	5,274
Fostoria	13,453	31	4,327	12,108	3,751	9,798	25,931	28	1,634	5,234
Fremont	14,710	54	3,697	9,829	3,190	7,582	16,339	43	2,071	5,759
Garfield Heights	16,989	11	288	860	264	731	1,371	11	550	1,790
Hamilton	50,592	83	14,882	44,340	12,444	34,244	65,224	74	7,128	21,444
Ironton	15,851	31	2,875	7,891	2,546	6,697	16,303	28	1,049	2,938
Lakewood	69,160	51	4,567	13,085	3,933	10,536	19,948	38	1,351	5,036
Lancaster	21,940	36	5,226	12,632	4,471	10,321	19,355	28	4,640	9,693
Lima	44,711	73	11,361	34,432	8,851	25,106	56,351	66	4,741	12,228
Lorain	44,125	54	16,256	48,370	13,472	38,580	65,087	39	8,956	(d)
Mansfield	37,154	82	14,292	47,285	12,278	38,172	94,238	74	6,903	22,447
Marietta	14,543	27	1,507	3,565	1,172	2,608	11,331	24	555	1,393
Marion	30,817	61	6,932	19,890	5,578	14,858	35,810	39	2,823	8,995
Martins Ferry	14,729	24	2,365	6,768	2,043	5,476	11,082	17	2,051	4,089
Massillon	26,644	42	4,353	12,367	3,688	9,436	20,918	48	1,726	6,738
Middletown	31,220	40	10,746	35,387	8,940	28,456	65,439	29	6,845	22,179
Mount Vernon	10,122	20	1,936	6,239	1,573	4,369	9,805	17	428	1,510
Newark	31,487	46	6,679	(d)	5,389	(d)	(d)	46	3,063	(d)
New Philadelphia	12,328	19	1,056	2,481	852	1,789	4,840	16	488	905
Niles	16,273	24	3,443	10,190	2,987	8,119	19,363	17	2,003	7,317
Norwood	34,010	82	13,029	37,760	10,570	27,858	80,989	63	5,858	27,935
Painesville	12,235	24	2,616	7,786	2,262	6,229	22,836	13	239	889
Parma	16,365	5	33	76	29	65	130	5	92	344
Piqua	16,049	48	3,645	9,316	3,146	7,407	16,327	43	2,154	6,119
Portsmouth	40,466	53	7,024	14,017	6,144	11,393	22,329	40	4,570	(d)
Salem	12,301	34	4,996	13,884	4,276	11,416	24,088	26	2,897	7,301
Sandusky	24,874	71	6,794	18,292	5,778	14,534	37,476	62	2,946	9,154
Shaker Heights	23,393	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Springfield	70,662	174	19,363	55,910	15,502	43,298	112,851	141	10,132	47,419
Steubenville	37,651	33	5,723	18,730	5,162	17,246	32,931	30	5,437	(d)
Struthers	11,739	9	2,611	(d)	2,444	(d)	(d)	10	1,240	(d)
Tiffin	16,102	39	4,128	10,999	3,546	8,760	23,598	39	1,725	5,382
Toledo	282,349	526	59,500	189,040	49,021	144,558	330,666	434	27,779	100,501
Warren	42,837	61	11,279	30,914	9,759	25,278	60,934	53	4,842	18,802
Wooster	11,543	27	2,254	5,984	1,792	4,122	9,496	24	693	2,635
Xenia	10,633	21	782	1,720	707	1,409	3,668	16	532	1,207
Youngstown	167,720	192	29,477	90,271	25,307	74,140	137,047	135	19,384	57,585
Zanesville	37,500	61	5,906	14,192	5,036	11,426	30,805	38	2,887	8,096

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	**12,303**	**1,194,603**	**$3,560,075**	**988,446**	**1,992,481**	**$2,727,481**	**$6,359,006**	**$498,254**	**$179,293**	**$318,961**	**9,543**	**595,520**	**$2,116,434**
20	Food and kindred products	1,879	67,003	179,833	48,142	103,834	112,705	413,216	37,302	12,748	24,554	2,253	41,496	182,183
21	Tobacco manufactures	47	2,671	5,166	2,388	4,826	4,302	14,504	183	8	175	45	3,442	5,804
22	Textile mill products	82	10,868	28,179	9,783	20,652	22,554	58,183	3,462	803	2,659	79	8,998	23,803
23	Apparel and related products	493	31,291	74,659	27,128	52,131	55,290	127,753	3,064	1,240	1,824	389	25,355	52,392
24	Lumber and products, exc. furniture	595	9,454	22,565	8,593	18,413	18,455	37,521	1,644	537	1,107	390	6,185	14,924
25	Furniture and fixtures	333	26,291	74,434	22,260	45,724	56,989	128,293	5,954	2,233	3,721	253	11,532	29,484
26	Paper and allied products	228	31,674	93,949	27,288	59,319	73,969	199,107	20,953	6,483	14,470	197	19,094	61,057
27	Printing and publishing industries	1,555	49,943	155,053	32,976	67,869	96,181	322,283	21,649	7,591	14,058	1,409	25,247	147,174
28	Chemicals and allied products	641	37,318	116,494	26,705	55,699	74,064	347,226	49,186	20,488	28,698	527	15,837	110,516
29	Petroleum and coal products	124	10,959	36,686	9,096	19,500	28,477	95,811	27,473	24,594	2,879	104	6,166	30,369
30	Rubber products	134	83,475	253,647	68,190	121,953	197,855	381,215	30,234	7,151	23,083	100	37,049	141,067
31	Leather and leather products	117	18,184	39,393	16,197	31,732	31,287	68,293	1,790	580	1,210	108	18,368	33,972
32	Stone, clay, and glass products	872	59,720	157,091	53,385	108,959	132,910	293,881	23,592	9,013	14,579	582	40,333	112,442
33	Primary metal industries	605	177,222	560,078	156,736	314,915	474,364	852,772	81,876	32,534	49,342	416	109,315	331,973
34	Fabricated metal products	1,432	122,114	361,337	102,759	208,295	276,833	634,746	42,063	13,666	28,397	886	60,384	192,628
35	Machinery (except electrical)	1,864	227,760	725,766	186,250	381,275	549,722	1,251,011	76,199	20,113	56,086	961	84,932	351,070
36	Electrical machinery	302	91,540	260,921	77,599	151,998	204,211	471,593	20,057	4,284	15,773	193	29,767	116,775
37	Transportation equipment	247	93,876	300,491	78,017	155,360	236,431	483,421	38,830	10,644	28,186	152	34,206	125,225
38	Instruments and related products	134	8,308	23,776	6,231	12,672	15,211	41,381	1,801	603	1,198	74	2,382	10,219
39	Miscellaneous manufactures	619	34,932	90,557	28,723	57,355	65,671	136,796	10,942	3,980	6,962	425	15,432	43,357

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]	**12,303**	**7,273**	**3,085**	**1,945**	**1,194,603**	**$3,560,075**	**595,520**	**988,446**	**$2,727,481**	**$6,359,006**	**$498,254**
20	FOOD AND KINDRED PRODUCTS	1,879	1,232	490	157	67,003	179,833	41,496	48,142	112,705	413,216	37,302
201	Meat products	244	154	69	21	10,500	31,123	6,806	8,377	22,680	53,768	3,888
2011	Meat packing, wholesale	176	111	49	16	8,317	26,039	5,994	6,616	19,008	43,894	3,272
2013	Prepared meats	46	25	16	5	1,903	4,588	649	1,521	3,262	8,867	506
2015	Poultry dressing, wholesale	22	18	4	----------	280	496	163	240	410	1,007	110
202	Dairy products	169	105	52	12	5,688	14,669	[2] 3,281	4,185	9,872	37,175	3,986
2021	Creamery butter	33	17	12	4	1,427	3,536	1,117	915	2,118	6,279	720
2023	Concentrated milk	25	4	19	2	1,346	3,624	799	1,088	2,865	13,850	895
2024	Ice cream and ices	70	53	15	2	1,477	3,621	1,150	1,025	2,161	8,497	1,136
2033	Canning and preserving, except fish	105	66	34	5	2,620	4,462	2,588	2,282	3,357	9,937	1,255
2035	Pickles and sauces	38	25	8	5	1,445	2,958	1,100	1,266	2,389	5,214	1,184
204	Grain-mill products	212	158	44	10	5,191	14,478	2,644	4,050	10,491	48,512	2,899
2042	Prepared animal feed	137	98	32	7	3,107	8,537	1,055	2,356	6,061	23,853	1,536
205	Bakery products	411	228	127	56	20,493	56,460	[2] 16,002	12,817	28,712	98,185	5,929
2051	Bread and other bakery products	394	223	121	50	17,465	49,004	13,512	10,516	23,921	78,745	5,037
2052	Biscuit, crackers, and pretzels	17	5	6	6	3,028	7,456	2,490	2,301	4,791	19,440	892
207	Confectionery and related products	101	81	17	3	1,579	3,369	1,707	1,321	2,346	7,425	491
208	Beverages	300	202	69	29	11,553	33,258	4,417	8,145	21,133	89,162	13,765
2081	Bottled soft drinks	221	170	45	6	3,813	10,027	1,038	2,059	4,474	20,197	3,353
2082	Malt liquors	37	3	13	21	6,199	19,109	2,818	4,833	13,620	53,919	9,824
2084	Wines and brandy	31	26	5	----------	294	781	122	189	408	1,651	85
209	Miscellaneous food preparations	290	208	68	14	7,553	18,396	2,471	5,368	11,129	62,486	3,792
2093	Oleomargarine	3	----------	3	----------	229	666	(d)	120	295	3,321	137
2097	Manufactured ice	119	96	23	----------	1,522	3,854	557	786	2,006	8,631	605
2098	Macaroni and spaghetti	16	13	3	----------	176	318	132	151	262	728	72
2099	Liquid, frozen, and dried eggs	5	2	3	----------	109	213	----------	92	143	392	8
	Food preparations, n.e.c.	105	66	29	10	4,085	8,829	769	3,244	5,717	21,807	1,915
21	TOBACCO MANUFACTURES	47	36	3	8	2,671	5,166	3,442	2,388	4,302	14,504	183
22	TEXTILE MILL PRODUCTS	82	23	28	31	10,868	28,179	8,998	9,783	22,554	58,183	3,462
221	Woolen and worsted manufactures	14	1	4	9	3,793	9,681	3,379	3,593	8,515	21,907	817
2213	Woolen and worsted fabrics	9	----------	1	8	3,382	8,607	3,002	3,207	7,635	20,248	763
225	Knitting mills	28	8	11	9	2,525	6,607	2,950	2,236	4,682	9,696	751
2253	Knit outerwear mills	22	7	9	6	1,577	4,711	1,853	1,363	3,176	6,930	489
229	Miscellaneous textile goods	21	8	6	7	2,575	6,905	1,940	2,187	5,292	16,720	1,501
2294	Processed textile waste	6	1	4	1	308	574	398	291	510	1,115	40
23	APPAREL AND RELATED PRODUCTS	493	257	157	79	31,291	74,659	25,355	27,128	55,290	127,753	3,064
231	Men's and boys' suits and coats	73	26	23	24	10,731	28,625	10,285	9,340	22,339	47,908	440
2311	Men's and boys' suits and coats	65	21	20	24	10,564	28,308	10,110	9,191	22,067	47,265	434
2312	Suit and coat findings	8	5	3	----------	167	317	175	149	272	643	6
232	Men's and boys' furnishings	86	43	25	18	6,355	12,565	5,840	5,579	8,826	23,127	694
2321	Men's dress shirts and nightwear	11	2	5	4	1,935	4,172	1,601	1,651	2,651	6,651	298
2323	Men's and boys' neckwear	11	9	1	1	471	1,190	516	395	656	2,370	115
2325	Men's and boys' cloth hats and caps	12	10	2	----------	140	251	(d)	120	196	467	1
2327	Separate trousers	25	7	11	7	1,969	3,335	1,071	1,866	2,981	7,724	90
2329	Men's and boys' clothing, n.e.c.	27	15	6	6	1,840	3,617	2,213	1,547	2,342	5,915	190
233	Women's and misses' outerwear	101	37	44	20	7,528	19,929	4,129	6,436	14,517	32,132	713
2333	Dresses, unit price	21	7	9	5	1,178	2,721	1,596	1,024	2,074	6,043	41
2334	Dresses, dozen price	41	16	16	9	3,616	8,227	1,113	2,944	5,588	12,523	537
2335	Women's suits and coats	29	8	15	6	2,348	8,243	1,333	2,104	6,241	12,476	123
234	Women's and children's undergarments	6	4	2	----------	182	318	281	164	249	593	9
2351	Millinery	8	6	2	----------	175	368	274	153	292	686	2
238	Miscellaneous apparel and accessories	40	15	17	8	2,293	3,961	2,127	2,072	3,189	6,756	239
2382	Fabric and combination work gloves	21	5	12	4	1,217	1,861	1,400	1,140	1,636	3,443	114
2385	Waterproof outer garments	6	3	2	1	372	712	(d)	354	629	1,219	18
2387	Belts	4	2	2	----------	125	267	(d)	107	195	457	41
239	Miscellaneous fabricated textiles	167	116	43	8	3,802	8,515	2,351	3,179	5,593	15,803	947
2392	Housefurnishings, n.e.c.	28	20	7	1	550	1,134	723	439	724	3,164	86
2393	Textile bags	12	5	6	1	463	1,052	403	402	739	2,101	59
2394	Canvas products	50	35	13	2	1,053	2,311	649	844	1,554	3,326	201
2399	Fabricated textile products, n.e.c.	42	29	9	4	1,295	3,149	273	1,094	1,884	5,683	187
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	595	482	99	14	9,454	22,565	6,185	8,593	18,455	37,521	1,644
242	Lumber and timber basic products	341	326	14	1	2,242	3,992	1,174	2,150	3,728	7,986	175
2421	Sawmills and planing mills, general	333	322	10	1	2,012	3,502	1,059	1,934	3,301	6,977	132
243	Millwork and related products	76	48	25	3	2,029	6,128	1,305	1,774	4,551	8,821	372
2431	Millwork plants	60	41	18	1	1,332	3,854	(d)	1,140	2,934	5,766	259
244	Wooden containers	96	56	34	6	2,911	6,767	1,817	2,684	5,732	11,301	706
2444	Wooden boxes (except cigar boxes)	56	35	17	4	1,735	4,114	774	1,576	3,358	6,878	286
2445	Cooperage	18	14	2	2	526	1,578	382	496	1,393	2,927	329
249	Miscellaneous wood products	82	52	26	4	2,272	5,678	1,889	1,985	4,444	9,413	391
2491	Wood preserving	8	----------	6	2	688	1,918	477	600	1,482	3,252	122
2499	Wood products, n.e.c.	69	50	18	1	1,298	2,961	1,160	1,147	2,384	5,010	264

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	333	179	99	55	26,291	$74,434	11,532	22,260	$56,989	$128,293	$5,954
251	Household furniture	169	82	57	30	10,429	26,691	6,122	9,329	21,606	48,884	2,397
2511	Wood house furniture, except upholst.	58	33	15	10	2,774	6,362	2,620	2,480	5,225	11,221	456
2512	Household furniture, upholstered	52	22	20	10	2,860	7,786	2,105	2,543	6,099	13,724	538
2514	Metal house furniture, except upholst.	22	8	8	6	3,329	8,676	589	3,008	7,299	15,840	1,062
2522	Metal office furniture	11	5	2	4	5,951	17,528	2,186	4,715	13,268	29,150	1,248
253	Public and professional furniture	19	10	8	1	593	1,685	408	517	1,313	2,275	151
2531	Public-building furniture	12	6	5	1	357	974	207	309	752	1,434	109
2532	Professional furniture	7	4	3	----------	236	711	201	208	561	841	42
2541	Partitions and fixtures	51	32	13	6	4,612	15,186	1,601	3,960	11,997	23,132	638
256	Screens, shades, and blinds	71	40	19	12	4,357	12,195	935	3,438	7,935	23,117	1,459
2561	Window and door screens	39	17	13	9	2,351	7,088	(d)	1,803	4,265	15,132	629
26	PAPER AND ALLIED PRODUCTS	228	56	91	81	31,674	93,949	19,094	27,288	73,969	199,107	20,953
261	Pulp, paper, and paperboard	52	2	21	29	12,270	40,366	9,094	10,787	34,356	87,079	11,447
2611	Pulp mills	4	1	2	1	368	1,121	(d)	366	1,090	2,529	(d)
2612	Paper and board mills	48	1	19	28	11,902	39,245	(d)	10,421	33,266	84,550	(d)
2641	Paper coating and glazing	16	6	4	6	1,412	5,831	684	1,118	3,642	14,394	1,585
2651	Envelopes	11	3	3	5	1,691	4,401	1,175	1,475	3,370	7,211	174
2661	Paper bags	15	5	7	3	2,320	5,957	959	1,915	4,439	11,774	1,140
267	Paperboard containers and boxes	92	23	37	32	10,501	28,846	5,390	9,148	22,316	62,252	5,209
2671	Paperboard boxes	81	19	32	30	9,064	25,379	5,073	7,856	19,326	56,844	(d)
2674	Fiber cans, tubes, drums, etc.	11	4	5	2	1,437	3,467	317	1,292	2,990	5,408	(d)
269	Pulp goods and misc. paper products	42	17	19	6	3,480	8,548	1,792	2,845	5,846	16,397	1,398
2691	Die-cut paper and board	12	4	4	4	940	2,268	463	753	1,549	3,831	151
2699	Converted paper products, n.e.c.	25	11	12	2	2,363	5,653	1,172	1,944	3,904	11,455	1,189
27	PRINTING AND PUBLISHING INDUSTRIES	1,555	1,184	285	86	49,943	155,053	25,247	32,976	96,181	322,283	21,649
2711	Newspapers	357	266	70	21	13,112	43,141	5,610	6,470	21,273	87,177	4,483
2721	Periodicals	99	71	16	12	8,629	26,665	3,292	5,421	17,441	86,413	9,457
273	Books	28	16	6	6	2,126	6,020	943	1,554	3,907	9,691	867
2731	Books: publishing and printing	21	14	3	4	1,429	3,890	624	934	2,185	6,677	432
2732	Book printing	7	2	3	2	697	2,130	319	620	1,722	3,014	435
2741	Miscellaneous publishing	29	24	2	3	654	1,576	15	204	686	2,903	206
2751	Commercial printing	723	606	96	21	13,520	41,268	8,506	10,449	28,727	74,334	3,790
2761	Lithographing	109	68	26	15	4,317	13,050	2,723	3,411	9,265	22,950	1,243
2771	Greeting cards	8	3	2	3	3,187	7,934	999	2,176	4,332	15,697	557
278	Bookbinding and related industries	65	44	17	4	1,816	4,758	1,434	1,341	2,944	7,538	372
2781	Bookbinding	34	26	7	1	552	1,280	419	489	1,062	2,085	192
2782	Blankbook making and paper ruling	16	7	6	3	1,046	3,013	619	680	1,562	4,712	167
279	Printing trades service industries	137	86	50	1	2,582	10,641	1,725	1,950	7,606	15,590	674
2791	Typesetting	51	39	12	----------	651	2,543	368	517	1,871	3,703	193
2792	Engraving and plate printing	16	11	5	----------	213	442	138	166	328	709	----------
2793	Photoengraving	46	23	23	----------	1,002	4,778	597	712	3,290	7,028	193
2794	Electrotyping and stereotyping	24	13	10	1	716	2,878	622	555	2,117	4,150	288
28	CHEMICALS AND ALLIED PRODUCTS	641	391	172	78	37,318	116,494	15,837	26,705	74,064	347,226	49,186
281	Industrial inorganic chemicals	42	18	14	10	7,820	24,086	3,760	6,219	17,895	58,976	8,508
282	Industrial organic chemicals	36	12	13	11	5,425	17,056	2,465	4,561	13,599	57,767	13,889
2821	Cyclic (coal-tar) crudes	7	2	5	----------	258	750	66	223	646	2,035	934
2829	Organic chemicals, n.e.c.	14	6	4	4	1,270	4,052	816	1,074	3,186	11,649	1,436
283	Drugs and medicines	80	59	16	5	2,331	6,288	772	1,182	2,425	15,384	655
2834	Pharmaceutical preparations	74	57	12	5	2,204	5,872	744	1,089	2,152	14,412	619
284	Soap and related products	93	66	21	6	3,927	13,187	1,940	2,681	7,934	67,526	4,578
2841	Soap and glycerin	21	7	9	5	3,047	10,326	1,691	2,214	6,919	58,671	3,964
2842	Cleaning and polishing preparations	72	59	12	1	880	2,861	249	467	1,015	8,855	614
285	Paints and allied products	115	63	32	20	7,276	25,062	2,559	4,684	12,770	60,802	4,322
2851	Paints and varnishes	102	57	29	16	6,312	22,009	2,530	3,998	10,769	55,040	3,878
2852	Inorganic color pigments	7	3	1	3	642	1,881	(d)	560	1,666	3,792	325
2853	Whiting and fillers	6	3	2	1	322	1,172	(d)	126	335	1,970	119
287	Fertilizers	39	14	17	8	2,132	5,651	931	1,751	4,150	14,045	1,454
2871	Fertilizers	17	----------	9	8	1,673	4,528	738	1,404	3,444	11,595	911
2872	Fertilizers (mixing only)	22	14	8	----------	459	1,123	193	347	706	2,450	543
288	Vegetable and animal oils	52	25	20	7	2,848	8,624	1,241	2,147	5,862	29,121	9,471
2883	Soybean oil mills	13	4	8	1	769	2,263	164	552	1,541	9,715	6,380
2886	Grease and tallow	32	20	9	3	1,211	3,676	624	935	2,464	9,619	1,541
289	Miscellaneous chemical products	179	129	39	11	5,534	16,497	2,169	3,458	9,392	43,542	6,307
2891	Printing ink	20	13	5	2	498	1,616	202	326	812	3,365	78
2893	Toilet preparations	27	20	5	2	1,762	4,991	701	866	2,405	11,634	(d)
2896	Compressed and liquefied gases	29	14	13	2	839	2,412	450	552	1,521	5,814	1,150
2899	Chemical products, n.e.c.	97	79	15	3	1,732	5,381	331	1,171	3,188	20,009	1,524
29	PETROLEUM AND COAL PRODUCTS	124	76	18	30	10,959	36,686	6,166	9,096	28,477	95,811	27,473
2911	Petroleum refining	16	4	3	9	3,610	13,912	2,361	2,769	10,173	50,487	10,526
2932	Byproduct coke ovens	17	----------	----------	17	5,388	16,347	2,583	4,870	14,023	26,356	(d)
295	Paving and roofing materials	48	43	2	3	1,045	3,363	984	829	2,420	9,211	988
2951	Paving mixtures and blocks	36	35	1	----------	286	876	316	210	555	2,399	285
2952	Roofing felts and coatings	12	8	1	3	759	2,487	668	619	1,865	6,812	703
299	Miscellaneous petroleum and coal products	43	29	13	1	916	3,064	238	628	1,861	9,757	420
2992	Lubricants, n.e.c.	27	13	13	1	876	2,982	217	590	1,782	9,579	415
30	RUBBER PRODUCTS	134	40	42	52	83,475	253,647	37,049	68,190	197,855	381,215	30,234
3011	Tires and inner tubes	11	----------	----------	11	49,709	158,913	29,921	39,077	122,883	233,364	18,158
31	LEATHER AND LEATHER PRODUCTS	117	58	24	35	18,184	39,393	18,368	16,197	31,287	68,293	1,790
3111	Leather tanning and finishing	15	6	4	5	1,962	5,558	1,565	1,796	4,697	16,851	602
314	Footwear (except rubber)	32	4	2	26	13,808	28,025	15,159	12,599	23,371	41,547	945
3161	Luggage	15	11	3	1	802	2,552	217	423	793	4,743	66
319	Miscellaneous leather goods	17	12	5	----------	286	518	459	251	382	781	7
3199	Leather goods, n.e.c.	13	10	3	----------	196	288	(d)	184	241	549	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

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	872	547	188	137	59,720	$157,091	40,333	53,385	$132,910	$293,881	$23,592
322	Pressed and blown glassware	23	2	2	19	12,610	32,644	10,514	11,234	27,322	55,778	3,989
3221	Glass containers	4			4	2,255	5,941	1,688	1,985	5,035	9,836	(d)
3229	Pressed and blown glassware, n.e.c.	19	2	2	15	10,355	26,703	8,826	9,249	22,287	45,942	(d)
3231	Products of purchased glass	47	28	15	4	2,287	6,557	1,794	1,986	5,285	21,934	778
3241	Cement, hydraulic	9			9	1,842	5,567	1,091	1,577	4,477	11,582	1,950
325	Structural clay products	157	35	77	45	14,455	36,445	10,836	13,325	32,498	64,419	4,092
3251	Brick and hollow tile	52	7	38	7	3,407	9,220	4,037	3,148	8,340	16,150	1,453
3253	Floor and wall tile	4			4	2,835	6,111	1,763	2,616	5,221	12,387	501
3254	Sewer pipe	22		4	18	3,556	9,099	2,210	3,325	8,345	14,784	767
3255	Clay refractories	38	6	22	10	2,738	7,275	1,828	2,483	6,341	12,499	995
3259	Structural clay products, n.e.c.	41	22	13	6	1,919	4,740	998	1,753	4,251	8,599	466
326	Pottery and related products	100	34	30	36	13,014	32,126	9,117	11,911	27,408	51,237	3,771
3261	Vitreous plumbing fixtures	3			3	967	2,776	(d)	851	2,395	5,646	312
3262	Vitreous-china food utensils	5		1	4	2,080	5,261	480	1,949	4,503	8,227	466
3263	Earthenware food utensils	17	4	3	10	4,468	11,040	4,470	4,128	9,579	15,248	987
3264	Porcelain electrical supplies	11	2	1	8	1,905	5,172	990	1,691	4,200	10,832	964
3269	Pottery products, n.e.c.	60	24	25	11	3,577	7,856	2,700	3,275	6,710	11,240	1,041
327	Concrete and plaster products	429	382	33	14	7,725	20,635	2,608	6,543	16,797	37,647	6,380
3271	Concrete products	399	377	19	3	2,760	6,865	861	2,383	5,564	13,635	1,941
3274	Lime	20	1	12	7	1,914	5,841	1,144	1,692	4,910	11,156	2,975
3281	Cut-stone and stone products	21	18	3		201	529	323	166	447	934	39
3291	Abrasive products	23	11	11	1	943	2,626	457	716	1,672	5,511	418
3292	Asbestos products	5	2	2	1	463	1,068	415	370	617	1,769	173
3293	Gaskets and asbestos insulations	14	8	6		287	917	(d)	243	655	2,222	40
3298	Statuary and art goods	18	16	2		118	276	79	104	188	399	10
33	PRIMARY METAL INDUSTRIES	605	198	181	226	177,222	560,078	109,315	156,736	474,364	852,772	81,876
331	Blast furnaces and steel mills	65	1	2	62	104,458	330,012	76,757	92,525	284,105	499,174	56,695
3312	Steel works and rolling mills	39		2	37	95,204	301,769	71,906	84,292	260,174	425,842	49,571
332	Iron and steel foundries	201	30	82	89	36,601	112,066	18,440	33,115	95,830	164,704	8,216
3321	Gray-iron foundries	165	29	80	56	21,131	64,168	11,349	19,431	56,640	97,689	4,438
3322	Malleable-iron foundries	13		1	12	5,931	17,964	2,566	5,332	15,153	25,423	1,430
3323	Steel foundries	23	1	1	21	9,539	29,934	4,525	8,352	24,037	41,592	2,348
335	Nonferrous metal rolling and drawing	7		4	3	3,084	9,522	1,470	2,612	7,820	10,773	4,183
3361	Nonferrous foundries	207	123	55	29	14,625	47,354	5,760	12,901	39,159	65,910	6,588
339	Miscellaneous primary metal industries	101	33	29	39	16,747	55,622	6,336	14,243	43,694	101,442	5,532
3391	Iron and steel forgings	36	8	13	15	5,441	18,844	2,915	4,904	15,853	29,471	1,256
3392	Wire drawing	8		1	7	3,967	12,689	1,452	3,342	9,919	25,698	971
3393	Welded and heavy-riveted pipe	9		3	6	2,356	7,669	550	1,990	5,923	16,915	525
3399	Primary metal industries, n.e.c.	48	25	12	11	4,983	16,420	1,419	4,007	11,999	29,358	2,780
34	FABRICATED METAL PRODUCTS	1,432	752	426	254	122,114	361,337	60,384	102,759	276,833	634,746	42,063
3411	Tin cans and other tinware	12		5	7	2,108	5,007	1,410	1,798	4,077	7,450	805
342	Cutlery, hand tools, and hardware	146	74	42	30	12,284	35,213	6,536	10,527	27,492	58,486	5,447
3421	Cutlery	18	8	6	4	1,052	2,622	685	950	2,120	5,028	(d)
3422	Edge tools	17	9	5	3	1,187	3,631	503	962	2,842	5,517	238
3423	Hand tools, n.e.c.	55	25	18	12	3,819	11,745	1,866	3,239	8,810	21,583	988
3429	Hardware, n.e.c.	44	26	9	9	4,771	13,562	2,522	4,102	10,795	20,822	2,232
343	Heating and plumbing equipment	132	45	44	43	21,627	62,849	10,400	17,970	46,900	117,111	11,275
3431	Metal plumbing fixtures and fittings	39	20	8	11	4,339	11,989	(d)	3,826	9,862	23,294	2,035
3432	Oil burners	7	3	4		182	585	(d)	131	324	1,744	33
3439	Heating and cooking apparatus, n.e.c.	86	22	32	32	17,106	50,275	7,436	14,013	36,714	92,073	9,207
344	Structural metal products	307	145	114	48	23,323	74,473	9,953	18,065	51,791	135,594	5,816
3441	Structural and ornamental products	107	49	42	16	5,866	18,437	4,028	4,604	12,422	34,141	1,645
3442	Metal doors, sash, and trim	17	7	5	5	3,364	10,492	671	2,798	8,084	22,973	424
3443	Boiler shop products	64	22	27	15	9,321	30,088	3,053	6,866	20,171	51,445	2,367
3444	Sheet-metal work	119	67	40	12	4,772	15,456	2,201	3,797	11,114	27,035	1,380
346	Metal stamping and coating	452	274	118	60	27,265	77,618	15,820	23,891	62,068	131,158	7,173
3461	Vitreous-enameled products	11			11	4,609	10,705	3,841	4,132	8,648	14,842	456
3463	Metal stampings	217	100	75	42	18,253	54,950	10,784	15,789	43,455	96,608	5,694
3466	Galvanizing	10	7	1	2	279	888	(d)	248	667	1,898	68
3468	Plating and polishing	182	141	37	4	3,610	9,818	1,033	3,261	8,221	15,785	908
3471	Lighting fixtures	63	32	21	10	7,655	22,036	2,754	6,561	17,341	35,072	2,133
348	Fabricated wire products	62	33	20	9	3,139	9,910	2,122	2,652	7,407	15,950	1,075
3481	Nails and spikes	3		3		230	829	(d)	180	507	1,510	87
3489	Wirework, n.e.c.	59	33	17	9	2,909	9,081	(d)	2,472	6,900	14,440	988
349	Miscellaneous fabricated metal products	258	149	62	47	24,713	74,231	11,389	21,295	59,757	133,925	8,339
3491	Metal barrels, drums, and pails	13	5	1	7	4,130	11,926	1,376	3,643	9,907	21,535	1,021
3492	Safes and vaults	9	2	4	3	3,203	8,609	632	2,555	6,412	17,151	513
3494	Bolts, nuts, washers, and rivets	56	19	15	22	10,318	32,412	5,979	8,927	26,248	62,927	4,676
3495	Screw-machine products	146	99	36	11	5,888	17,562	2,382	5,178	14,237	26,004	1,841
35	MACHINERY (EXCEPT ELECTRICAL)	1,864	1,083	451	330	227,760	725,766	84,932	186,250	549,722	1,251,011	76,199
3519	Internal-combustion engines	12	3	1	8	6,832	22,812	(d)	5,228	15,760	36,952	1,789
352	Tractors and farm machinery	74	39	20	15	6,772	18,804	2,322	5,452	14,150	33,354	2,592
353	Construction and mining machinery	88	24	28	36	19,407	61,323	7,093	15,040	43,731	112,810	7,281
3531	Construction and mining machinery	73	17	25	31	17,183	54,661	6,153	13,294	38,745	103,905	(d)
3532	Oil-field machinery and tools	15	7	3	5	2,224	6,662	940	1,746	4,986	8,905	(d)
354	Metalworking machinery	527	300	147	80	44,490	153,324	20,503	35,493	112,742	241,698	9,167
3541	Machine tools	59	9	21	29	17,275	58,878	10,841	13,239	41,077	90,901	3,926
3542	Metalworking machinery, n.e.c.	65	16	18	31	14,293	46,898	5,226	11,645	35,287	77,739	1,994
3543	Cutting tools, jigs, fixtures, etc.	403	275	108	20	12,922	47,548	4,436	10,609	36,378	73,058	3,247

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			
35	MACHINERY (EXCEPT ELECTRICAL)—Continued	415	282	76	57	21,720	$72,135	7,898	17,709	$52,977	$134,320	$7,511
355	Special-industry machinery, n.e.c.	42	24	10	8	2,863	9,210	2,099	2,366	6,281	18,932	468
3551	Food-products machinery	7	4	1	2	736	2,443	(d)	635	1,933	4,031	122
3552	Textile machinery	15	5	4	6	1,356	4,597	(d)	1,077	3,246	9,216	582
3553	Woodworking machinery	11	5	1	5	1,715	6,140	810	1,264	3,873	8,128	1,338
3554	Paper-industries machinery	24	18	2	4	2,242	7,714	772	1,857	6,125	16,984	310
3555	Printing-trades machinery	316	226	58	32	12,808	42,031	3,818	10,510	31,519	77,029	4,691
3559	Special-industry machinery, n.e.c.											
356	General industrial machinery	235	94	76	65	33,130	106,677	10,293	25,268	72,909	189,133	7,688
3561	Pumps and compressors	46	17	16	13	7,214	21,503	2,579	5,370	14,937	37,895	1,880
3563	Conveyors	29	9	9	11	7,294	24,579	1,136	5,435	16,103	41,889	1,725
3564	Blowers and fans	15	3	7	5	1,468	3,967	312	1,203	3,037	11,849	401
3565	Industrial trucks and tractors	27	15	6	6	2,688	8,584	749	2,087	6,064	17,379	631
3566	Power-transmission equipment	48	18	15	15	8,813	29,718	3,157	7,113	21,164	48,405	2,107
3567	Industrial furnaces and ovens	16	9	2	5	1,516	5,283	346	931	2,718	9,938	358
3569	General industrial machinery, n.e.c.	34	12	15	7	2,727	8,415	1,095	2,228	6,048	14,197	350
357	Office and store machines	29	16	5	8	19,167	66,219	6,682	16,860	55,905	127,183	11,405
358	Service and household machines	87	32	26	29	47,623	147,273	14,785	40,251	118,477	236,300	14,507
3581	Domestic laundry equipment	9	1	3	5	3,788	12,582	1,239	3,154	9,596	29,239	1,072
3582	Laundry and dry-cleaning machinery	8	1	6	1	961	3,014	356	827	2,403	5,892	261
3584	Vacuum cleaners	16	6	3	7	9,473	26,445	2,385	7,919	22,102	51,620	2,538
3585	Refrigeration machinery	31	13	9	9	30,353	96,406	9,831	26,034	78,354	134,755	9,996
3589	Service and household machines, n.e.c.	14	10	2	2	519	1,347	75	393	983	5,023	93
359	Miscellaneous machinery parts	397	293	72	32	28,619	77,199	13,186	24,949	63,071	139,261	14,259
3591	Valves and fittings, except plumbers'	45	19	11	15	9,342	26,490	5,630	7,659	20,151	44,195	2,357
3599	Machine shops	323	265	53	5	4,623	13,340	2,466	4,014	10,560	23,090	1,107
36	ELECTRICAL MACHINERY	302	96	93	113	91,540	260,921	29,767	77,599	204,211	471,593	20,057
361	Electrical industrial apparatus	154	37	62	55	49,274	147,440	10,199	40,568	111,142	252,250	12,297
3611	Wiring devices and supplies	23	8	11	4	1,902	5,441	777	1,561	4,118	11,361	616
3613	Electrical measuring instruments	10	3	4	3	1,429	3,254	412	1,168	2,336	4,345	90
3614	Motors and generators	51	5	20	26	34,888	100,895	6,123	29,326	78,891	156,731	9,010
3615	Transformers	11	2	5	4	1,629	4,271	345	1,357	3,236	11,190	248
3616	Electrical control apparatus	25	6	10	9	4,147	13,588	676	3,195	9,198	24,846	828
3617	Electrical welding apparatus	15	5	6	4	2,891	13,144	903	2,079	8,453	29,306	673
3631	Insulated wire and cable	6	2	3	1	574	1,034	(d)	537	879	1,874	28
3641	Engine electrical equipment	12	6	1	5	13,137	40,431	4,864	11,566	34,224	67,433	2,075
366	Communication equipment	52	22	12	18	11,328	27,056	3,109	9,572	20,079	50,090	1,367
3661	Radios and related products	36	16	9	11	8,640	20,591	2,660	7,200	14,968	36,033	704
369	Miscellaneous electrical products	39	18	9	12	7,387	21,081	4,378	6,371	17,092	45,221	1,877
3691	Storage batteries	11	6	3	2	1,526	4,809	925	1,306	4,023	12,562	401
37	TRANSPORTATION EQUIPMENT	247	91	67	89	93,876	300,491	34,206	78,017	236,431	483,421	38,830
371	Motor vehicles and equipment	171	61	48	62	69,125	221,591	28,147	58,646	178,601	362,951	34,408
3717	Motor vehicles and parts	98	24	28	46	61,477	198,768	(d)	52,070	160,240	323,489	29,960
3713	Truck and bus bodies	45	22	11	12	5,435	16,813	(d)	4,646	13,508	28,017	(d)
3715	Truck trailers	9	2	3	4	1,833	5,059	(d)	1,593	4,125	9,546	(d)
3716	Automobile trailers	19	13	6	----------	380	951	(d)	337	728	1,899	89
372	Aircraft and parts	23	7	4	12	15,206	49,581	820	10,991	33,604	71,617	2,301
373	Ships and boats	17	10	3	4	1,138	3,138	722	1,046	2,720	4,669	245
3731	Ship building and repairing	3	----------	1	2	495	1,505	n.a.	453	1,333	2,020	103
3732	Boat building and repairing	14	10	2	2	643	1,633	n.a.	593	1,387	2,649	142
374	Railroad equipment	14	3	6	5	3,767	11,379	1,703	3,138	9,131	17,834	809
3741	Locomotives and parts	7	2	4	1	404	1,095	836	323	821	2,049	72
3742	Railroad and street cars	7	1	2	4	3,363	10,284	867	2,815	8,310	15,785	737
3751	Motorcycles and bicycles	11	4	1	6	4,378	14,187	2,737	3,967	11,887	25,384	1,025
3799	Transportation equipment, n.e.c.	11	6	5	----------	262	615	77	229	488	966	42
38	INSTRUMENTS AND RELATED PRODUCTS	134	80	32	22	8,308	23,776	2,382	6,231	15,211	41,381	1,801
3811	Scientific instruments	10	8	1	1	219	613	16	158	365	997	24
3821	Mechanical measuring instruments	29	14	9	6	2,911	9,007	943	2,064	5,950	13,361	868
384	Medical instruments and supplies	60	39	12	9	2,670	6,472	880	2,111	4,273	11,893	525
3842	Surgical appliances and supplies	46	31	11	4	1,549	3,459	430	1,261	2,310	6,981	357
3861	Photographic equipment	13	6	6	1	443	1,257	(d)	333	785	2,090	54
39	MISCELLANEOUS MANUFACTURES	619	412	139	68	34,932	90,557	15,432	28,723	65,671	136,796	10,942
391	Jewelry and silverware	35	27	8	----------	548	1,502	337	437	1,080	2,475	32
3911	Jewelry (precious metal)	29	22	7	----------	481	1,344	254	384	960	2,255	23
393	Musical instruments and parts	11	2	6	3	1,962	5,599	1,227	1,730	4,601	6,613	336
394	Toys and sporting goods	120	80	21	19	8,181	19,549	3,207	7,024	15,119	31,092	2,414
3941	Games and toys, n.e.c.	48	33	10	5	1,608	3,180	913	1,440	2,639	6,161	933
3949	Sporting and athletic goods	56	40	5	11	3,782	8,662	1,550	3,172	6,740	13,326	955
3953	Hand stamps and stencils	30	29	1	----------	214	649	95	140	352	921	23
3971	Plastics products, n.e.c.	79	46	21	12	6,637	17,650	2,326	5,507	13,200	27,140	4,550
399	Miscellaneous manufactures	312	206	74	32	16,167	42,551	7,689	13,004	29,563	62,864	3,264
3981	Brooms and brushes	33	21	8	4	1,659	4,859	757	1,219	2,771	6,735	334
3985	Fireworks and pyrotechnics	10	5	3	2	944	1,896	112	859	1,557	2,259	223
3988	Morticians' goods	57	31	18	8	5,401	15,788	1,726	3,976	10,315	19,748	732
3993	Signs and advertising displays	148	105	33	10	4,179	10,786	1,885	3,541	8,000	17,460	984
3999	Miscellaneous products, n.e.c.	30	21	7	2	851	1,964	337	665	1,344	4,588	103

[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

[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
	AKRON METROPOLITAN AREA [Consists of Summit County, Ohio]							
	All industries, total [1]	482	94,011	$284,302	75,289	$215,444	$460,327	$23,744
20	Food and kindred products	63	2,874	8,321	2,005	5,132	27,799	1,581
205	Bakery products	18	935	2,804	566	1,469	4,062	210
208	Beverages	9	564	1,718	337	936	4,204	1,004
209	Miscellaneous food preparations	16	197	504	149	338	792	41
2099	Food preparations, n.e.c.	10	116	264	98	212	444	2
23	Apparel and related products	11	71	169	63	135	242	3
24	Lumber and products, except furniture	9	415	1,304	354	927	1,841	112
243	Millwork and related products	4	312	1,042	268	740	1,497	109
25	Furniture and fixtures	11	526	1,491	415	1,028	2,753	313
26	Paper and allied products	10	403	1,041	344	766	3,074	85
27	Printing and publishing industries	72	1,479	5,186	1,093	3,440	9,730	320
2751	Commercial printing	40	427	1,270	353	1,018	2,085	163
279	Printing trades service industries	11	193	800	148	560	1,274	52
28	Chemicals and allied products	20	3,567	11,291	2,791	8,393	29,968	2,383
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	33	61,396	185,310	49,813	145,710	269,047	18,365
3011	Tires and inner tubes	5	41,910	131,126	32,675	101,030	189,343	14,521
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	23	1,980	5,388	1,741	4,420	10,486	957
325	Structural clay products	4	497	1,133	470	1,051	1,538	127
326	Pottery and related products	6	1,309	3,771	1,124	2,997	7,982	789
33	Primary metal industries	16	1,171	3,594	1,089	3,134	6,056	141
332	Iron and steel foundries	6	827	2,535	774	2,236	3,419	120
34	Fabricated metal products	59	8,304	26,101	6,246	17,937	46,197	1,879
344	Structural metal products	17	5,351	17,401	3,647	10,975	32,636	1,165
346	Metal stamping and coating	19	648	1,848	573	1,383	3,775	64
3463	Metal stampings	10	535	1,589	467	1,161	3,392	64
3495	Screw-machine products	7	212	672	176	498	965	68
35	Machinery (except electrical)	96	5,080	16,300	4,207	11,915	28,310	1,514
3543	Cutting tools, jigs, fixtures, etc.	11	106	278	95	248	464	27
355	Special-industry machinery, n.e.c.	50	3,057	9,864	2,608	7,435	18,756	682
359	Miscellaneous machinery parts	27	1,169	3,416	991	2,682	5,126	533
3599	Machine shops	23	190	497	166	398	828	20
36	Electrical machinery	8	282	961	194	577	1,634	41
37	Transportation equipment	4	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	8	145	457	104	225	972	27
39	Miscellaneous manufactures	37	6,189	17,002	4,722	11,389	21,513	1,008
3993	Signs and advertising displays	7	114	373	78	223	409	22
	CANTON METROPOLITAN AREA [Consists of Stark County, Ohio]							
	All industries, total [1]	385	55,564	$158,649	47,600	$128,551	$280,241	$15,224
20	Food and kindred products	70	2,226	6,504	1,307	2,960	12,114	894
201	Meat products	8	591	1,867	424	1,152	3,134	260
202	Dairy products	7	131	328	81	189	1,088	93
205	Bakery products	22	1,209	3,646	613	1,271	6,342	361
2081	Bottled soft drinks	11	129	314	72	125	827	94
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	8	373	573	335	476	630	24
233	Women's and misses' outerwear	4	354	551	316	454	592	24
24	Lumber and products, except furniture	8	207	432	188	359	469	37
25	Furniture and fixtures	9	2,392	(d)	2,168	(d)	(d)	(d)
26	Paper and allied products	6	269	817	220	504	1,657	123
27	Printing and publishing industries	44	846	2,416	582	1,655	5,095	91
2711	Newspapers	9	415	1,240	218	719	3,173	48
2751	Commercial printing	24	174	385	144	304	775	25
28	Chemicals and allied products	15	374	1,138	245	601	5,466	373
29	Petroleum and coal products	6	573	(d)	523	(d)	(d)	(d)
30	Rubber products	7	831	1,919	750	1,595	3,411	230
32	Stone, clay, and glass products	34	2,558	6,613	2,378	5,888	12,443	995
325	Structural clay products	13	2,264	5,809	2,136	5,252	10,836	471
3251	Brick and hollow tile	8	742	2,341	679	2,136	4,537	136
33	Primary metal industries	38	19,974	60,162	17,617	50,757	90,823	7,089
339	Miscellaneous primary metal industries	9	2,852	9,338	2,486	7,694	15,643	857
3391	Iron and steel forgings	6	1,675	5,691	1,530	4,907	8,487	569
34	Fabricated metal products	46	6,608	17,953	5,527	13,503	29,150	1,096
344	Structural metal products	11	1,541	4,565	1,219	3,310	7,649	248
3444	Sheet-metal work	5	126	374	109	295	1,015	45
346	Metal stamping and coating	16	1,778	4,562	1,539	3,439	6,825	198
35	Machinery (except electrical)	68	16,837	47,545	14,533	40,012	92,952	3,745
353	Construction and mining machinery	4	179	577	130	392	899	60
355	Special-industry machinery, n.e.c.	15	268	826	217	607	1,236	121
356	General industrial machinery	11	2,681	8,035	2,219	4,471	12,597	209
36	Electrical machinery	7	526	1,252	433	925	2,213	39
37	Transportation equipment	5	78	114	61	80	456	3
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	11	456	1,153	408	818	1,823	110
399	Miscellaneous manufactures		374	996	333	686	1,586	106

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
	CINCINNATI METROPOLITAN AREA [Consists of Hamilton County, Ohio; Campbell and Kenton Counties, Kentucky]							
	All industries, total [1]	1,700	135,774	$382,935	108,476	$274,717	$777,201	$48,336
20	Food and kindred products	259	15,894	43,356	12,157	29,169	120,571	9,066
201	Meat products	48	3,116	9,152	2,529	6,628	14,720	1,292
2011	Meat packing, wholesale	26	2,241	7,544	1,789	5,382	11,349	1,016
202	Dairy products	19	471	1,016	324	607	2,323	174
2021	Creamery butter	4	315	719	207	406	1,677	84
2024	Ice cream and ices	11	133	255	110	182	511	77
203	Canning, preserving, and freezing	14	323	800	255	516	1,831	77
2033	Canning and preserving, except fish	8	312	788	244	504	1,819	76
204	Grain-mill products	13	711	2,134	565	1,605	6,750	526
2042	Prepared animal feeds	9	674	2,043	533	1,531	6,611	521
205	Bakery products	51	3,302	8,543	2,259	4,724	17,447	1,058
2071	Confectionery products	17	237	395	204	314	734	82
208	Beverages	43	5,149	14,754	4,039	10,380	44,366	4,717
2082	Malt liquors	12	3,181	9,460	2,686	7,147	25,652	3,861
209	Miscellaneous food preparations	54	2,585	6,562	1,982	4,395	32,400	1,140
2099	Food preparations, n.e.c.	17	1,388	2,871	1,126	1,914	7,633	363
21	Tobacco manufactures	11	110	(d)	91	(d)	(d)	(d)
22	Textile mill products	10	1,087	2,897	982	2,351	6,060	251
23	Apparel and related products	127	10,066	23,911	8,259	16,572	42,384	943
231	Men's and boys' suits and coats	43	5,161	13,433	4,364	9,914	23,906	272
2311	Men's and boys' suits and coats	38	5,014	13,153	4,235	9,677	23,335	267
2312	Suit and coat findings	5	147	280	129	237	571	5
232	Men's and boys' furnishings	23	2,614	5,426	2,247	3,622	10,035	270
2327	Separate trousers	11	453	793	440	774	1,228	31
233	Women's and misses' outerwear	19	1,513	3,284	1,021	1,919	4,198	298
2335	Women's suits and coats	5	231	709	216	611	970	18
239	Miscellaneous fabricated textiles	32	635	1,506	504	905	3,658	101
2392	Housefurnishings, n.e.c.	6	199	463	143	280	1,498	61
2399	Fabricated textile products, n.e.c.	12	220	539	183	311	1,388	26
24	Lumber and products, except furniture	42	1,319	3,420	1,165	2,693	5,762	199
244	Wooden containers	13	403	1,075	366	909	2,075	112
2444	Wooden boxes (except cigar boxes)	8	284	777	261	674	1,322	93
249	Miscellaneous wood products	16	413	1,066	374	836	1,823	36
25	Furniture and fixtures	53	5,156	13,513	4,358	10,169	22,945	1,491
251	Household furniture	32	1,937	4,884	1,714	3,660	10,464	428
2511	Wood house furniture, except upholst.	10	188	383	173	329	659	7
2512	Household furniture, upholstered	8	459	1,311	406	1,085	2,028	39
2515	Mattresses and bedsprings	8	433	1,153	396	960	3,341	43
256	Screens, shades, and blinds	8	1,766	4,575	1,464	3,366	7,127	920
26	Paper and allied products	44	6,138	16,754	5,352	13,240	38,236	3,207
261	Pulp, paper, and paperboard	5	1,046	3,853	944	3,443	10,642	1,447
267	Paperboard containers and boxes	21	2,224	5,934	1,983	4,835	13,354	586
2671	Paperboard boxes	17	2,134	5,725	1,904	4,695	13,004	571
269	Pulp goods and misc. paper products	10	2,241	5,311	1,895	3,855	10,809	1,037
27	Printing and publishing industries	271	11,421	33,719	7,965	21,384	62,637	3,543
2711	Newspapers	16	1,936	6,831	1,006	3,390	12,431	193
2721	Periodicals	24	1,509	4,120	506	1,564	9,181	454
273	Books	8	609	1,708	445	1,127	2,543	450
2751	Commercial printing	138	3,281	9,205	2,853	7,450	17,580	1,049
2761	Lithographing	25	1,510	4,346	1,198	2,940	8,203	561
278	Bookbinding and related industries	18	331	780	283	652	1,217	157
2781	Bookbinding	12	246	576	219	502	820	155
279	Printing trades service industries	30	711	2,717	575	2,052	4,056	273
2791	Typesetting	10	161	646	123	455	904	105
2793	Photoengraving	10	241	1,041	188	745	1,525	28
2794	Electrotyping and stereotyping	6	265	958	224	784	1,508	138
28	Chemicals and allied products	117	10,198	32,029	6,956	19,688	110,117	12,247
2819	Inorganic chemicals, n.e.c.	7	298	900	257	744	2,186	76
2851	Paints and varnishes	23	1,523	5,069	1,207	3,031	9,556	708
287	Fertilizers	6	689	1,798	574	1,350	4,608	258
288	Vegetable and animal oils	7	1,302	4,104	933	2,695	11,138	4,047
289	Miscellaneous chemical products	37	2,261	6,489	1,196	3,251	14,601	(d)
2891	Printing ink	7	225	789	146	411	1,422	13
2896	Compressed and liquefied gases	6	141	348	90	214	961	(d)
29	Petroleum and coal products	13	977	3,534	813	2,884	13,027	1,670
30	Rubber products	6	213	(d)	162	(d)	(d)	(d)
31	Leather and leather products	34	3,706	8,103	3,516	6,990	13,010	399
3131	Footwear cut stock	6	138	221	127	182	450	4
314	Footwear (except rubber)	9	2,534	5,370	2,427	4,637	7,209	101
319	Miscellaneous leather goods	5	127	180	125	177	255	4
32	Stone, clay, and glass products	73	1,792	4,396	1,553	3,339	8,516	646
3231	Products of purchased glass	8	384	851	354	681	2,047	51
3271	Concrete products	37	290	728	258	584	1,529	202
329	Miscellaneous nonmetallic mineral products	13	272	659	248	533	1,904	65
33	Primary metal industries	57	6,065	18,063	5,363	15,340	21,916	1,292
332	Iron and steel foundries	19	2,132	6,440	1,891	5,351	8,948	514
3321	Gray-iron foundries	16	1,584	4,688	1,415	3,990	6,637	454
3361	Nonferrous foundries	23	1,383	3,747	1,237	3,177	5,300	267
339	Miscellaneous primary metal industries	7	211	664	181	464	1,034	15

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
	CINCINNATI METROPOLITAN AREA—Continued							
34	Fabricated metal products	177	13,376	$37,614	11,339	$28,724	$68,338	$3,661
342	Cutlery, hand tools, and hardware	12	362	973	296	702	1,644	50
343	Heating and plumbing equipment	11	2,549	6,556	2,092	4,855	12,783	455
3431	Metal plumbing fixtures and fittings	6	968	2,264	810	2,006	5,103	297
344	Structural metal products	54	2,915	9,557	2,351	6,625	16,939	820
3443	Boiler shop products	12	983	3,186	790	2,280	5,153	351
3444	Sheet-metal work	24	1,072	3,752	888	2,625	7,724	336
346	Metal stamping and coating	61	2,666	7,435	2,318	5,723	15,208	747
3463	Metal stampings	28	2,230	6,158	1,922	4,674	12,886	687
3489	Wirework, n.e.c.	11	328	722	277	519	1,257	185
349	Miscellaneous fabricated metal products	19	543	1,688	484	1,412	3,752	281
3495	Screw-machine products	9	102	209	97	187	465	73
35	Machinery (except electrical)	192	23,249	74,124	18,024	52,338	116,778	5,362
354	Metalworking machinery	63	11,552	40,432	8,924	28,299	59,780	2,622
3541	Machine tools	22	8,989	31,721	6,865	21,884	46,542	2,247
3542	Metalworking machinery, n.e.c.	8	2,026	7,049	1,604	5,114	10,483	62
3543	Cutting tools, jigs, fixtures, etc.	33	537	1,662	455	1,301	2,755	313
355	Special-industry machinery, n.e.c.	56	2,787	8,843	2,085	6,118	16,575	634
3551	Food-products machinery	8	541	1,803	398	1,039	3,292	63
3553	Woodworking machinery	7	664	2,273	538	1,656	4,163	303
3559	Special-industry machinery, n.e.c.	32	1,361	4,072	968	2,959	7,661	218
356	General industrial machinery	26	1,950	6,435	1,431	4,156	11,041	666
3561	Pumps and compressors	5	102	306	78	186	456	18
3565	Industrial trucks and tractors	4	104	259	78	166	568	11
3569	General industrial machinery, n.e.c.	6	380	1,228	314	891	1,895	63
358	Service and household machines	10	2,317	6,613	1,924	5,205	11,010	472
359	Miscellaneous machinery parts	29	3,998	10,152	3,158	7,381	15,289	762
3591	Valves and fittings, except plumbers'	8	3,829	9,686	3,014	7,014	14,494	735
36	Electrical machinery	39	8,440	22,155	6,455	14,635	38,246	1,061
361	Electrical industrial apparatus	19	4,398	12,117	3,398	8,247	21,273	670
3614	Motors and generators	4	3,002	7,876	2,290	5,503	11,967	340
3616	Electrical control apparatus	4	762	2,510	607	1,564	5,720	244
366	Communication equipment	10	2,832	6,582	2,255	4,271	11,048	145
369	Miscellaneous electrical products	6	1,158	3,359	756	2,038	5,786	243
37	Transportation equipment	18	5,314	15,508	4,533	13,123	38,617	1,214
38	Instruments and related products	25	2,646	7,418	2,181	4,990	15,460	405
3842	Surgical appliances and supplies	12	469	832	439	711	1,929	12
387	Watches and clocks	6	1,735	5,537	1,392	3,522	11,167	348
39	Miscellaneous manufactures	132	8,607	21,516	7,252	16,545	32,507	1,627
391	Jewelry and silverware	25	458	1,286	364	913	2,152	31
3911	Jewelry (precious metal)	20	393	1,131	313	796	1,934	22
394	Toys and sporting goods	18	1,875	4,352	1,551	3,509	6,483	523
399	Miscellaneous manufactures	59	2,963	6,739	2,563	5,102	10,546	771
3993	Signs and advertising displays	36	1,610	3,792	1,383	2,828	6,476	383
3999	Miscellaneous products, n.e.c.	5	184	426	158	261	1,042	2
	CLEVELAND METROPOLITAN AREA [Consists of Cuyahoga and Lake Counties, Ohio]							
	All industries, total [1]	**3,258**	**268,750**	**$866,849**	**218,929**	**$645,539**	**$1,546,117**	**$91,864**
20	Food and kindred products	283	12,170	35,180	8,151	20,848	71,812	8,306
201	Meat products	35	1,849	5,870	1,460	4,173	10,928	667
2011	Meat packing, wholesale	20	1,147	3,810	926	2,820	7,773	527
202	Dairy products	24	868	2,487	538	1,362	4,295	504
203	Canning, preserving, and freezing	13	234	524	195	376	1,408	33
204	Grain-mill products	10	233	760	159	438	1,520	105
205	Bakery products	76	4,620	13,116	2,730	6,888	19,794	1,112
2071	Confectionery products	20	487	1,124	418	808	2,371	93
208	Beverages	52	2,690	8,379	1,856	5,327	24,166	5,326
2081	Bottled soft drinks	27	775	2,255	454	1,186	3,880	588
2082	Malt liquors	6	1,723	5,617	1,258	3,810	19,478	4,686
2085	Distilled liquors, except brandy	4	110	314	88	221	350	21
209	Miscellaneous food preparations	53	1,189	2,920	795	1,476	7,330	466
2095	Flavorings	13	188	588	100	202	1,768	54
2099	Food preparations, n.e.c.	18	699	1,512	516	834	3,508	228
21	Tobacco manufactures	6	223	(d)	188	(d)	(d)	(d)
22	Textile mill products	38	4,576	12,456	4,213	10,124	28,445	994
225	Knitting mills	21	1,475	4,457	1,268	2,988	6,618	442
23	Apparel and related products	191	12,419	33,680	11,060	25,867	56,602	796
231	Men's and boys' suits and coats	21	4,878	13,398	4,404	11,223	22,047	146
2311	Men's and boys' suits and coats	18	4,858	13,361	4,384	11,188	21,975	145
232	Men's and boys' furnishings	23	1,291	3,156	1,045	1,760	4,581	273
233	Women's and misses' outerwear	59	4,651	13,730	4,184	10,190	23,844	281
2333	Dresses, unit price	11	452	1,268	413	1,046	3,404	7
2334	Dresses, dozen price	22	2,192	5,756	1,967	4,168	10,028	213
2335	Women's suits and coats	18	1,633	5,980	1,452	4,374	9,347	55
238	Miscellaneous apparel and accessories	7	392	838	362	730	1,362	12
239	Miscellaneous fabricated textiles	64	963	1,979	851	1,528	3,719	61
2392	Housefurnishings, n.e.c.	8	144	299	119	206	737	16
2393	Textile bags	7	177	416	148	243	778	7
2394	Canvas products	14	281	549	253	466	830	17
2399	Fabricated textile products, n.e.c.	12	116	266	102	199	571	4

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
		CLEVELAND METROPOLITAN AREA—Continued						
24	Lumber and products, except furniture	60	1,473	$4,091	1,293	$3,303	$6,138	$488
243	Millwork and related products	16	236	781	203	650	1,222	25
244	Wooden containers	22	934	2,440	852	2,062	3,679	387
2441	Fruit and vegetable baskets	5	140	263	128	232	337	10
249	Miscellaneous wood products	16	273	817	208	538	1,104	73
25	Furniture and fixtures	97	4,037	13,097	3,382	9,530	17,851	724
251	Household furniture	42	1,614	4,543	1,401	3,551	7,111	408
2511	Wood house furniture, except upholst	7	220	630	169	456	689	83
2512	Household furniture, upholstered	19	840	2,335	751	1,924	3,531	107
2514	Metal house furniture, except upholst	8	183	512	157	433	1,016	20
2515	Mattresses and bedsprings	8	371	1,066	324	738	1,875	198
2541	Partitions and fixtures	20	1,654	5,936	1,347	4,216	6,973	187
256	Screens, shades, and blinds	24	347	1,195	280	733	1,776	49
2561	Window and door screens	13	241	919	197	568	1,307	36
26	Paper and allied products	42	3,086	9,213	2,548	6,098	16,755	2,096
267	Paperboard containers and boxes	19	2,020	5,915	1,733	4,066	10,971	761
269	Pulp goods and misc. paper products	13	527	1,565	398	893	2,666	155
2699	Converted paper products, n.e.c.	6	196	572	134	315	1,004	41
27	Printing and publishing industries	418	12,179	41,111	7,931	24,417	74,210	2,942
2711	Newspapers	42	2,695	10,236	1,275	4,577	20,604	1,198
273	Books	8	654	2,116	433	1,253	3,437	85
2751	Commercial printing	201	3,215	10,936	2,538	8,036	18,066	738
2761	Lithographing	45	1,374	4,610	1,157	3,437	7,641	230
278	Bookbinding and related industries	27	609	1,343	517	1,000	2,187	68
2781	Bookbinding	15	242	583	211	458	1,057	33
279	Printing trades service industries	50	908	3,880	651	2,781	5,489	89
2791	Typesetting	20	212	868	164	642	1,265	33
2792	Engraving and plate printing	7	123	286	90	197	430	----------
2793	Photoengraving	14	338	1,724	239	1,288	2,460	32
2794	Electrotyping and stereotyping	9	235	1,002	158	654	1,334	24
28	Chemicals and allied products	212	14,056	45,775	10,154	28,632	123,162	11,593
281	Industrial inorganic chemicals	12	4,384	13,940	3,568	10,520	31,482	(d)
283	Drugs and medicines	25	577	1,573	405	810	4,253	214
284	Soap and related products	36	379	1,219	225	501	2,096	71
285	Paints and allied products	51	3,542	13,077	1,821	5,031	32,718	1,951
288	Vegetable and animal oils	5	540	(d)	409	(d)	(d)	(d)
289	Miscellaneous chemical products	71	1,814	5,851	1,262	3,586	20,148	1,631
2891	Printing ink	7	209	612	135	275	1,148	6
2896	Compressed and liquefied gases	7	366	1,131	227	647	2,277	244
2899	Chemical products, n.e.c.	45	1,025	3,585	750	2,344	15,351	1,332
29	Petroleum and coal products	45	3,377	11,677	2,723	8,755	25,520	1,003
2932	Byproduct coke ovens	5	1,555	5,177	1,401	4,443	6,725	155
30	Rubber products	13	2,051	6,465	1,629	4,756	9,128	1,498
3099	Rubber industries, n.e.c.	13	2,051	6,465	1,629	4,756	9,128	1,498
31	Leather and leather products	14	201	(d)	173	(d)	(d)	(d)
32	Stone, clay, and glass products	101	2,745	8,156	2,403	6,657	16,594	1,191
325	Structural clay products	7	373	1,101	341	998	1,527	160
327	Concrete and plaster products	42	612	1,933	535	1,656	3,566	446
3271	Concrete products	39	513	1,625	449	1,416	3,029	353
329	Miscellaneous nonmetallic mineral products	27	463	1,415	366	843	3,067	89
3291	Abrasive products	9	193	622	160	413	1,884	73
3293	Gaskets and asbestos insulations	5	109	345	90	214	538	10
33	Primary metal industries	174	43,126	143,023	37,546	118,695	219,272	15,281
331	Blast furnaces and steel mills	9	14,822	50,118	12,654	41,600	83,686	4,880
3311	Blast furnaces	4	1,962	6,089	1,714	4,993	13,311	657
3312	Steel works and rolling mills	5	12,860	44,029	10,940	36,607	70,375	4,223
332	Iron and steel foundries	34	11,380	36,243	10,610	32,442	54,892	1,874
3321	Gray-iron foundries	28	8,199	26,492	7,729	24,376	40,107	1,374
3322	Malleable-iron foundries	3	2,499	7,497	2,262	6,205	11,245	438
3323	Steel foundries	3	682	2,254	619	1,861	3,540	62
3361	Nonferrous foundries	72	7,073	22,516	6,135	18,339	28,607	2,996
339	Miscellaneous primary metal industries	42	6,108	22,031	5,063	16,905	35,535	1,248
3391	Iron and steel forgings	17	2,552	9,352	2,289	7,806	15,261	489
3399	Primary metal industries, n.e.c.	21	1,570	5,169	1,177	3,526	7,312	518
34	Fabricated metal products	538	32,527	104,148	27,269	79,409	184,485	13,899
3423	Hand tools, n.e.c.	13	723	2,489	589	1,835	3,973	165
3429	Hardware, n.e.c.	15	613	1,672	492	1,300	2,941	128
343	Heating and plumbing equipment	51	5,435	17,628	4,325	12,695	31,837	4,007
3439	Heating and cooking apparatus, n.e.c.	30	4,647	15,092	3,638	10,815	26,600	3,751
344	Structural and metal products	85	3,069	11,132	2,423	7,585	18,453	830
3441	Structural and ornamental products	26	846	3,190	653	1,930	5,685	325
3444	Sheet-metal work	38	1,088	3,838	874	2,801	6,709	278
346	Metal stamping and coating	174	6,969	(d)	5,982	(d)	(d)	(d)
3463	Metal stampings	77	4,925	16,189	4,143	12,519	27,691	1,748
3465	Enameling and lacquering	9	144	335	128	271	507	22
3468	Plating and polishing	75	1,159	3,280	1,026	2,597	4,965	164
3471	Lighting fixtures	35	3,052	8,837	2,490	6,454	14,568	1,280
348	Fabricated wire products	31	2,414	7,851	2,039	5,965	12,188	734
349	Miscellaneous fabricated metal products	122	9,876	31,467	8,618	25,594	62,114	4,441
3494	Bolts, nuts, washers, and rivets	32	7,760	24,817	6,812	20,443	50,040	3,716
3495	Screw-machine products	73	1,251	3,924	1,061	2,968	6,304	411

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
	CLEVELAND METROPOLITAN AREA—Continued							
35	Machinery (except electrical)	662	55,060	$189,687	44,062	$138,126	$337,243	$15,183
3522	Farm machinery (except tractors)	6	657	2,130	538	1,515	3,051	93
3531	Construction and mining machinery	14	2,296	9,169	1,769	6,147	17,840	1,114
354	Metalworking machinery	215	16,671	57,869	13,219	42,563	95,100	3,755
3541	Machine tools	20	6,131	20,665	4,710	14,728	31,917	1,475
3542	Metalworking machinery, n.e.c.	27	3,536	11,809	2,886	9,017	24,543	588
3543	Cutting tools, jigs, fixtures, etc.	168	7,004	25,395	5,623	18,818	38,640	1,692
355	Special-industry machinery, n.e.c.	117	6,294	22,382	5,149	16,321	43,025	3,454
3551	Food-products machinery	9	166	656	144	434	1,154	37
3559	Special-industry machinery, n.e.c.	89	3,799	13,617	3,073	9,627	24,724	2,873
356	General industrial machinery	78	11,363	39,798	8,874	27,650	68,877	2,544
3563	Conveyors	10	1,503	5,708	1,196	3,866	10,976	242
3564	Blowers and fans	8	532	1,562	428	1,084	3,035	74
3565	Industrial trucks and tractors	8	1,812	6,186	1,354	4,362	13,209	517
3566	Power-transmission equipment	26	5,632	19,891	4,536	14,189	31,253	1,471
3567	Industrial furnaces and ovens	9	209	842	132	396	1,242	41
3569	General industrial machinery, n.e.c.	8	427	1,355	372	859	1,924	70
358	Service and household machines	30	7,152	23,121	6,009	17,969	37,995	1,387
3584	Vacuum cleaners	9	3,227	9,525	2,850	8,620	18,620	710
3585	Refrigeration machinery	7	1,109	3,080	953	2,509	3,853	153
359	Miscellaneous machinery parts	183	5,003	15,412	4,339	12,307	27,565	1,012
3591	Valves and fittings, except plumbers'	21	2,928	9,192	2,527	7,367	16,455	439
3599	Machine shops	153	1,745	5,235	1,533	4,207	9,394	436
36	Electrical machinery	102	22,789	69,997	18,635	51,523	130,866	5,390
361	Electrical industrial apparatus	55	10,818	36,648	8,455	25,543	66,142	3,371
3611	Wiring devices and supplies	8	504	1,338	417	959	3,134	169
3614	Motors and generators	15	5,043	14,767	4,165	11,512	20,502	2,211
3616	Electrical control apparatus	12	2,076	7,250	1,478	4,532	13,918	336
366	Communication equipment	17	2,897	7,272	2,408	5,239	10,735	258
369	Miscellaneous electrical products	16	5,399	16,135	4,624	12,980	33,925	1,444
37	Transportation equipment	70	35,491	117,201	30,300	95,192	193,602	7,888
371	Motor vehicles and equipment	48	23,394	77,446	20,114	63,348	125,146	5,606
3717	Motor vehicles and parts	36	22,452	74,323	19,324	60,984	120,762	5,475
372	Aircraft and parts	7	8,772	28,743	7,169	22,562	48,563	1,494
38	Instruments and related products	35	2,399	7,386	1,624	4,124	12,310	624
3821	Mechanical measuring instruments	10	1,413	4,592	908	2,515	7,745	308
384	Medical instruments and supplies	14	585	1,613	405	854	2,863	298
39	Miscellaneous manufactures	157	4,765	13,480	3,645	8,732	20,614	1,866
393	Musical instruments and parts	4	407	1,148	348	948	1,303	31
394	Toys and sporting goods	23	220	417	189	316	742	56
3949	Sporting and athletic goods	12	101	204	86	156	323	36
395	Office supplies	15	308	1,008	210	554	1,690	93
3971	Plastics products, n.e.c.	25	1,302	3,678	954	2,277	6,291	1,311
399	Miscellaneous manufactures	80	2,391	6,936	1,831	4,424	10,222	368
3981	Brooms and brushes	14	1,143	3,342	800	1,805	4,251	199
3988	Morticians' goods	16	352	871	279	623	1,668	14
3993	Signs and advertising displays	32	639	2,025	538	1,463	3,254	140
	COLUMBUS METROPOLITAN AREA [Consists of Franklin County, Ohio]							
	All industries, total [1]	679	54,877	$153,462	42,363	$105,356	$277,809	$17,741
20	Food and kindred products	123	7,496	20,667	5,134	12,494	40,513	3,081
201	Meat products	21	1,976	6,027	1,577	4,679	9,373	477
2011	Meat packing, wholesale	14	1,873	5,767	1,512	4,509	8,671	451
202	Dairy products	7	825	2,415	548	1,422	5,844	428
205	Bakery products	32	2,923	14,941	1,827	3,650	12,831	739
2071	Confectionery products	14	153	232	121	183	602	7
208	Beverages	16	828	2,316	544	1,368	4,867	893
2081	Bottled soft drinks	12	304	765	158	311	1,738	291
2082	Malt liquors	4	524	1,551	386	1,057	3,129	602
209	Miscellaneous food preparations	24	686	1,879	430	1,010	6,428	527
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	30	1,296	2,514	1,097	1,877	4,773	68
239	Miscellaneous fabricated textiles	15	286	583	245	391	1,082	37
2399	Fabricated textile products, n.e.c.	6	164	348	138	233	696	8
24	Lumber and products, except fruniture	22	397	(d)	344	(d)	(d)	(d)
25	Furniture and fixtures	25	782	2,390	656	1,787	3,392	205
256	Screens, shades, and blinds	8	212	462	158	297	627	15
26	Paper and allied products	13	1,053	2,416	845	1,738	5,459	481
2671	Paperboard boxes	5	520	1,204	442	921	2,333	280
269	Pulp goods and miscellaneous paper products	4	300	605	214	375	1,381	96
27	Printing and publishing industries	98	3,215	9,846	1,612	5,023	18,737	1,285
2711	Newspapers	14	1,264	4,244	522	1,811	8,034	912
2721	Periodicals	18	525	1,435	180	453	4,194	46
2751	Commercial printing	46	859	2,703	668	2,011	3,985	153
2761	Lithographing	4	115	397	87	266	654	54
279	Printing trades service industries	9	177	595	140	450	913	119
28	Chemicals and allied products	52	1,739	4,547	1,152	2,630	12,315	720
283	Drugs and medicines	10	472	900	224	396	2,684	29
285	Paints and allied products	6	378	1,182	254	637	2,815	96
287	Fertilizers	6	435	1,127	343	805	3,007	230
289	Miscellaneous chemical products	15	152	441	94	217	981	202

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, 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
	COLUMBUS METROPOLITAN AREA—Continued							
29	Petroleum and coal products	7	98	$319	58	$137	$868	$99
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	18	2,688	6,279	2,365	4,642	8,616	258
3141	Footwear (except rubber)	8	2,409	5,752	2,117	4,231	7,638	241
32	Stone, clay, and glass products	39	2,628	6,917	2,249	5,547	11,807	1,193
325	Structural clay products	4	256	662	246	604	1,298	22
327	Concrete and plaster products	19	328	914	274	714	2,186	464
33	Primary metal industries	23	3,940	11,851	3,405	9,434	17,364	1,044
332	Iron and steel foundries	9	3,169	9,830	2,756	7,919	13,721	956
3321	Gray-iron foundries	5	222	618	207	567	759	22
339	Miscellaneous primary metal industries	5	204	588	174	433	1,027	44
34	Fabricated metal products	70	7,899	21,782	6,345	15,646	39,364	4,095
342	Cutlery, hand tools, and hardware	11	2,276	6,277	1,904	4,687	9,264	(d)
343	Heating and plumbing equipment	14	2,404	6,605	1,871	4,664	15,650	1,220
3439	Heating and cooking apparatus, n.e.c.	11	2,262	6,114	1,752	4,384	14,785	1,197
344	Structural metal products	20	1,291	3,787	934	2,367	6,371	305
3441	Structural and ornamental products	9	710	2,009	498	1,237	3,162	165
346	Metal stamping and coating	15	830	1,965	708	1,557	2,815	101
35	Machinery (except electrical)	76	12,277	34,913	10,240	25,959	72,651	2,911
352	Tractors and farm machinery	7	106	250	98	230	371	53
354	Metalworking machinery	11	475	1,772	333	1,066	2,877	156
355	Special-industry machinery, n.e.c.	15	451	1,452	393	1,144	3,467	63
356	General industrial machinery	12	3,779	12,197	2,786	7,849	22,203	1,133
3599	Machine shops	14	227	523	205	451	1,164	56
36	Electrical machinery	12	1,697	5,048	1,420	3,690	7,447	507
37	Transportation equipment	15	4,646	15,020	2,951	8,443	17,608	333
38	Instruments and related products	17	544	1,302	429	927	2,237	25
39	Miscellaneous manufactures	34	1,566	3,966	1,344	2,753	5,913	566
3971	Plastics products, n.e.c.	7	261	756	228	526	1,336	(d)
399	Miscellaneous manufactures	20	1,238	3,058	1,059	2,116	4,334	(d)
3988	Morticians' goods	9	440	1,354	353	817	2,532	71
	DAYTON METROPOLITAN AREA [Consists of Greene and Montgomery Counties, Ohio]							
	All industries, total [1]	**638**	**95,347**	**$308,299**	**79,433**	**$240,266**	**$496,380**	**$40,150**
20	Food and kindred products	98	3,218	9,159	2,254	5,209	22,094	1,594
2011	Meat packing, wholesale	6	105	353	82	234	505	83
202	Dairy products	9	245	652	157	345	1,682	201
205	Bakery products	27	1,937	5,731	1,341	3,223	14,132	723
207	Confectionery and related products	15	140	302	107	207	628	57
208	Beverages	14	336	1,046	192	436	1,912	321
209	Miscellaneous food preparations	12	318	805	254	552	2,631	159
2099	Food preparations, n.e.c.	6	246	632	194	412	2,223	138
22	Textile mill products	3	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	13	396	716	334	524	1,428	37
24	Lumber and products, except furniture	11	(d)	(d)	(d)	(d)	(d)	(d)
25	Furniture and fixtures	9	563	1,476	442	926	3,197	117
26	Paper and allied products	18	2,609	8,236	2,236	6,144	13,551	836
2612	Paper and board mills	4	937	3,046	800	2,540	5,606	391
2671	Paperboard boxes	4	230	682	191	478	1,501	155
27	Printing and publishing industries	80	7,934	26,519	5,347	16,502	58,901	6,828
2751	Commercial printing	39	2,920	10,343	1,706	4,854	18,268	718
279	Printing trades service industries	13	302	1,388	231	947	2,015	72
28	Chemicals and allied products	30	1,233	3,971	883	2,285	11,842	926
285	Paints and allied products	8	504	1,615	352	950	6,686	261
289	Miscellaneous chemical products	9	144	469	97	271	1,494	(d)
29	Petroleum and coal products	4	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	6	2,634	(d)	1,992	(d)	(d)	(d)
31	Leather and leather products	3	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	25	713	2,242	583	1,653	4,186	687
33	Primary metal industries	29	3,030	9,973	2,733	8,562	12,249	875
332	Iron and steel foundries	10	1,975	6,279	1,789	5,419	7,493	693
3361	Nonferrous foundries	14	853	2,958	765	2,534	3,554	154
339	Miscellaneous primary metal industries	5	202	736	179	609	1,202	28
34	Fabricated metal products	65	3,536	11,424	2,802	8,083	16,425	3,023
342	Cutlery, hand tools, and hardware	8	464	1,573	346	1,087	2,202	95
344	Structural metal products	12	545	1,851	466	1,482	3,206	140
3441	Structural and ornamental products	7	244	876	208	695	1,646	92
346	Metal stamping and coating	21	608	2,171	498	1,582	1,974	173
3463	Metal stampings	12	459	1,776	363	1,233	1,305	139
349	Miscellaneous fabricated metal products	16	187	590	162	444	1,186	117
35	Machinery (except electrical)	155	41,566	140,256	36,393	117,289	204,010	17,998
354	Metalworking machinery	81	2,988	12,886	2,475	10,066	19,746	557
3542	Metalworking machinery, n.e.c.	4	275	963	214	657	2,251	150
3543	Cutting tools, jigs, fixtures, etc.	74	2,673	11,796	2,225	9,287	17,329	406
3559	Special-industry machinery, n.e.c.	19	443	1,688	348	1,163	2,628	51
359	Miscellaneous machinery parts	14	693	2,274	581	1,809	4,197	402
36	Electrical machinery	20	14,483	44,055	12,412	34,689	68,958	3,212
361	Electrical industrial apparatus	12	14,212	43,421	12,186	34,226	67,860	3,180
3614	Motors and generators	7	14,099	43,081	12,091	33,948	67,323	3,147
37	Transportation equipment	21	9,466	29,411	7,737	22,527	44,462	1,860
38	Instruments and related products	12	1,721	5,349	1,323	4,141	6,206	496
39	Miscellaneous manufactures	36	1,451	3,625	1,235	2,838	6,340	259
3971	Plastics products, n.e.c.	4	645	1,651	579	1,306	2,337	64
399	Miscellaneous manufactures	20	676	1,705	541	1,302	3,613	192
3993	Signs and advertising displays	9	165	486	145	373	728	40

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, 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
	TOLEDO METROPOLITAN AREA [Consists of Lucas County, Ohio]							
	All industries, total [1]	627	69,599	$221,562	56,730	$167,461	$390,032	$38,578
20	Food and kindred products	80	3,934	11,748	2,739	6,846	20,816	2,369
201	Meat products	7	395	1,255	318	904	2,492	191
205	Bakery products	24	1,530	4,654	975	2,321	6,444	270
208	Beverages	12	628	2,059	457	1,373	4,265	823
209	Miscellaneous food preparations	20	640	1,671	471	964	3,191	135
2099	Food preparations, n.e.c.	13	549	1,445	414	820	2,600	131
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	21	1,417	3,408	1,203	2,502	5,407	221
2382	Fabrics and combination work gloves	5	403	683	379	600	1,104	6
239	Miscellaneous fabricated textiles	7	638	1,500	495	968	2,556	195
24	Lumber and products, except furniture	21	595	1,578	523	1,210	2,680	60
244	Wooden containers	10	311	846	271	606	1,057	41
25	Furniture and fixtures	15	576	1,586	513	1,321	2,721	79
251	Household furniture	8	365	974	334	824	2,085	63
26	Paper and allied products	12	643	1,988	553	1,495	3,666	193
2671	Paperboard boxes	6	482	1,545	411	1,180	2,853	160
27	Printing and publishing industries	69	1,556	5,738	977	3,529	10,112	444
2751	Commercial printing	37	483	1,335	382	1,072	2,222	73
28	Chemicals and allied products	45	1,521	4,849	1,117	3,314	13,608	8,979
2842	Cleaning and polishing preparations	9	104	464	50	140	916	(d)
287	Fertilizers	3	205	555	194	514	1,597	190
289	Miscellaneous chemical products	11	107	259	59	137	685	19
29	Petroleum and coal products	11	1,945	7,594	1,497	5,491	25,484	6,325
30	Rubber products	6	359	(d)	277	(d)	(d)	(d)
31	Leather and leather products	2	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	23	3,146	9,531	2,708	7,595	27,849	1,890
33	Primary metal industries	33	5,402	18,971	4,837	16,016	32,251	2,080
332	Iron and steel foundries	13	1,807	5,485	1,624	4,760	7,865	267
339	Miscellaneous primary metal industries	7	328	1,094	280	825	1,765	98
34	Fabricated metal products	98	7,528	23,568	6,480	18,993	37,319	1,764
342	Cutlery, hand tools, and hardware	8	1,948	6,201	1,769	5,388	9,494	374
3439	Heating and cooking apparatus, n.e.c.	5	110	375	68	196	416	14
344	Structural metal products	14	600	2,201	386	1,335	2,736	54
3441	Structural and ornamental products	3	217	800	159	480	1,166	15
3444	Sheet-metal work	8	342	1,241	194	755	1,291	30
346	Metal stamping and coating	57	3,719	11,642	3,264	9,523	19,620	1,062
3463	Metal stampings	31	2,486	8,088	2,163	6,518	14,048	886
3468	Plating and polishing	21	808	2,474	721	2,082	3,943	154
349	Miscellaneous fabricated metal products	9	1,095	3,036	946	2,475	4,877	256
35	Machinery (except electrical)	107	11,384	36,094	8,149	23,636	59,474	4,177
354	Metalworking machinery	38	2,077	6,608	1,816	5,345	9,919	432
3543	Cutting tools, jigs, fixtures, etc.	34	694	2,518	607	2,011	3,804	337
355	Special-industry machinery, n.e.c.	29	885	2,877	755	2,386	5,461	99
3559	Special-industry machinery, n.e.c.	19	556	1,909	462	1,536	3,129	54
356	General industrial machinery	12	3,502	10,935	2,266	6,246	19,636	738
358	Service and household machines	5	936	2,772	681	1,863	5,296	224
359	Miscellaneous machinery parts	17	749	2,072	609	1,472	3,679	100
3599	Machine shops	13	532	1,447	447	1,066	2,933	45
36	Electrical machinery	17	11,675	36,276	10,323	30,984	60,112	1,723
37	Transportation equipment	16	15,166	50,205	12,669	38,731	73,897	7,207
371	Motor vehicles and equipment	9	14,237	47,078	12,053	36,948	69,584	6,526
38	Instruments and related products	8	482	1,404	361	929	2,443	70
39	Miscellaneous manufactures	38	1,066	2,724	873	1,893	4,023	22
3971	Plastics products, n.e.c.	6	405	1,006	334	787	1,883	71
399	Miscellaneous manufactures	19	522	1,498	423	947	1,827	133
	WHEELING-STEUBENVILLE METROPOLITAN AREA [Consists of Belmont, and Jefferson Counties, Ohio; Brooke, Hancock, Marshall, and Ohio Counties, West Virginia							
	All industries, total [1]	343	51,751	$147,020	46,484	$125,513	$259,509	$34,765
20	Food and kindred products	84	1,547	4,121	982	2,156	6,406	585
201	Meat products	13	309	885	235	622	883	113
202	Dairy products	9	156	336	118	228	995	83
2051	Bread and other bakery products	30	771	2,137	452	915	3,038	241
208	Beverages	20	228	600	119	286	1,098	134
21	Tobacco manufactures	15	961	(d)	911	(d)	(d)	(d)
22	Textile mill products	1	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	5	402	612	383	538	783	17
24	Lumber and products, except furniture	20	379	866	355	793	1,815	20
244	Wooden containers	6	154	296	141	275	606	6
25	Furniture and fixtures	3	26	(d)	24	(d)	(d)	(d)
26	Paper and allied products	17	1,239	3,340	1,112	2,756	8,466	668
2612	Paper and board mills	5	393	1,418	357	1,269	4,481	230
2671	Paperboard boxes	4	134	243	121	201	369	(d)
27	Printing and publishing industries	40	697	1,727	409	1,041	3,481	156
2711	Newspapers	13	479	1,287	245	725	2,645	126
28	Chemicals and allied products	14	942	2,525	740	1,921	8,939	(d)
289	Miscellaneous chemical products	3	124	270	71	135	470	15
29	Petroleum and coal products	6	984	(d)	894	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(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
	WHEELING–STEUBENVILLE METROPOLITAN AREA—Continued							
32	Stone, clay, and glass products	47	10,168	$26,749	9,500	$23,135	$35,603	$2,063
3229	Pressed and blown glassware, n.e.c.	7	2,022	5,093	1,833	4,089	8,259	417
3231	Products of purchased glass	6	159	279	150	258	343	6
325	Structural clay products	13	1,669	4,345	1,566	3,856	7,620	323
3255	Clay refractories	7	650	2,000	608	1,773	3,173	231
326	Pottery and related products	11	6,136	16,543	5,778	14,467	18,408	1,280
3263	Earthenware food utensils	5	5,683	15,630	5,353	13,671	17,247	1,275
33	Primary metal industries	27	22,946	73,502	20,906	65,196	129,400	14,156
3321	Gray-iron foundries	6	407	1,119	378	968	2,179	76
34	Fabricated metal products	32	8,576	21,564	7,667	18,020	39,125	1,676
346	Metal stamping and coating	13	4,434	10,622	3,998	9,166	18,167	692
35	Machinery (except electrical)	17	937	2,406	827	1,937	4,576	596
36	Electrical machinery	4	465	(d)	425	(d)	(d)	(d)
37	Transportation equipment	1	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	8	976	(d)	952	(d)	(d)	(d)
	YOUNGSTOWN METROPOLITAN AREA [Consists of Mahoning and Trumbull Counties, Ohio; Mercer County, Pennsylvania]							
	All industries, total [1]	552	108,654	$330,825	94,263	$273,621	$567,307	$33,784
20	Food and kindred products	89	1,948	5,321	1,191	2,583	8,957	853
201	Meat products	11	209	524	156	356	972	88
2011	Meat packing, wholesale	7	138	360	101	241	609	25
2042	Prepared animal feeds	10	164	442	104	281	931	19
2051	Bread and other bakery products	31	969	2,900	541	1,200	4,309	340
208	Beverages	21	416	1,018	251	493	1,992	348
209	Miscellaneous food preparations	10	132	337	97	187	499	32
23	Apparel and related products	13	620	998	576	850	2,030	73
24	Lumber and products, except furniture	42	294	598	269	554	964	95
2421	Sawmills and planing mills, general	30	158	313	150	299	505	35
25	Furniture and fixtures	23	6,084	18,328	4,911	13,469	25,577	1,510
26	Paper and allied products	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	48	1,086	3,391	588	1,883	6,485	278
2711	Newspapers	13	707	2,298	309	1,134	4,865	156
2751	Commercial printing	26	245	635	187	470	975	64
28	Chemicals and allied products	17	323	949	256	672	1,952	167
289	Miscellaneous chemical products	6	109	302	85	233	520	59
29	Petroleum and coal products	10	1,784	(d)	1,629	(d)	(d)	(d)
30	Rubber products	3	1,674	(d)	1,401	(d)	(d)	(d)
31	Leather and leather products	3	690	(d)	601	(d)	(d)	(d)
32	Stone, clay, and glass products	51	2,888	7,675	2,692	6,866	12,755	1,349
326	Pottery and related products	10	1,550	4,032	1,457	3,602	5,649	533
329	Miscellaneous nonmetallic mineral products	6	302	856	277	759	1,774	171
33	Primary metal industries	56	55,475	172,433	50,344	152,012	279,976	18,488
331	Blast furnaces and steel mills	27	47,202	147,572	43,070	131,388	232,083	14,782
3311	Blast furnaces	11	4,453	13,698	4,063	12,094	35,451	3,608
3312	Steel works and rolling mills	16	42,749	133,874	39,007	119,294	196,632	11,174
332	Iron and steel foundries	11	3,387	9,730	3,104	8,822	14,843	383
3361	Nonferrous foundries	7	181	592	148	452	1,055	(d)
339	Miscellaneous primary metal industries	11	4,705	14,539	4,022	11,350	31,995	2,461
3399	Primary metal industries, n.e.c.	5	1,747	5,769	1,418	4,262	11,264	1,412
34	Fabricated metal products	84	9,989	28,866	8,726	23,198	62,288	2,656
342	Cutlery, hand tools, and hardware	7	391	968	345	777	2,100	58
344	Structural metal products	39	5,714	17,404	4,902	13,598	39,047	1,583
3441	Structural and ornamental products	11	630	1,728	549	1,284	5,431	503
3442	Metal doors, sash, and trim	10	2,569	7,691	2,273	6,427	18,159	359
3443	Boiler shop products	13	2,431	7,754	2,012	5,715	15,041	717
346	Metal stamping and coating	19	1,659	4,230	1,526	3,718	7,689	648
349	Miscellaneous fabricated metal products	12	1,723	4,895	1,497	3,964	9,563	231
3491	Metal barrels, drums, and pails	3	1,576	4,509	1,375	3,672	8,988	222
35	Machinery (except electrical)	54	7,014	21,772	5,859	16,825	37,576	1,202
354	Metalworking machinery	11	2,588	8,306	2,263	6,937	13,080	383
3542	Metalworking machinery, n.e.c.	5	2,236	7,215	1,989	6,188	11,234	305
356	General industrial machinery	4	852	3,088	703	1,964	5,434	185
359	Miscellaneous machinery parts	17	968	2,737	806	2,097	4,738	265
36	Electrical machinery	15	13,807	42,991	11,014	32,781	84,398	2,456
37	Transportation equipment	16	4,672	14,196	3,951	11,165	20,106	3,392
3717	Motor vehicles and parts	4	1,090	3,205	841	2,113	4,045	(d)
3742	Railroad and street cars	4	3,484	10,799	3,022	8,902	15,619	(d)
38	Instruments and related products	4	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	23	244	387	203	308	680	52

[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

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS. The following principal industrial counties are coextensive with standard metropolitan areas, as indicated: *Franklin County*—Columbus Metropolitan Area; *Lucas County*—Toledo Metropolitan Area; *Stark County*—Canton Metropolitan Area; *Summit County*—Akron Metropolitan Area. Their industry statistics are shown, therefore, in *table 5*]

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
	BUTLER COUNTY							
	All industries, total [1]	**153**	**27,047**	**$84,037**	**22,617**	**$66,181**	**$137,406**	**$22,755**
20	Food and kindred products	25	712	1,518	453	804	2,087	648
205	Bakery products	5	144	349	88	165	583	35
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	2	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	4	238	(d)	221	(d)	(d)	(d)
25	Furniture and fixtures	1	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	16	6,831	22,255	6,130	19,334	43,465	2,461
261	Pulp, paper, and paperboard	9	4,808	16,664	4,291	14,733	28,941	1,857
27	Printing and publishing industries	24	429	1,103	272	682	2,596	50
28	Chemicals and allied products	4	75	188	65	141	496	18
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	10	93	288	82	202	737	51
33	Primary metal industries	8	5,476	(d)	4,661	(d)	(d)	(d)
332	Iron and steel foundries	4	682	2,043	594	1,629	3,351	87
34	Fabricated metal products	19	5,013	13,739	4,112	10,332	25,645	2,192
35	Machinery (except electrical)	28	4,592	14,596	3,656	10,412	18,981	714
359	Miscellaneous machinery parts	6	253	843	205	632	1,477	13
36	Electrical machinery	1	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	3	2,143	(d)	1,654	(d)	(d)	(d)
39	Miscellaneous manufactures	4	54	(d)	45	(d)	(d)	(d)
	CUYAHOGA COUNTY							
	All industries, total [1]	**3,162**	**260,034**	**$839,791**	**211,789**	**$625,291**	**$1,488,276**	**$84,391**
20	Food and kindred products	276	12,122	35,062	8,119	20,767	71,605	8,287
201	Meat products	35	1,849	5,870	1,460	4,173	10,928	667
203	Canning, preserving, and freezing	13	234	524	195	376	1,408	33
204	Grain-mill products	10	233	760	159	438	1,520	105
205	Bakery products	73	4,593	13,057	2,714	6,843	19,723	1,104
207	Confectionery and related products	20	487	1,124	418	808	2,371	93
21	Tobacco manufactures	6	223	(d)	188	(d)	(d)	(d)
22	Textile mill products	36	(d)	(d)	(d)	(d)	(d)	(d)
225	Knitting mills	21	1,475	4,457	1,268	2,988	6,618	442
23	Apparel and related products	188	12,362	(d)	11,009	(d)	(d)	(d)
231	Men's and boys' suits and coats	21	4,878	13,398	4,404	11,223	22,047	146
233	Women's and misses' outerwear	59	4,651	13,730	4,184	10,190	23,844	281
238	Miscellaneous apparel and accessories	7	392	838	362	730	1,362	12
24	Lumber and products, except furniture	53	1,387	3,918	1,216	3,156	5,832	483
244	Wooden containers	19	881	2,346	805	1,984	3,556	385
249	Miscellaneous wood products	16	273	817	208	538	1,104	73
25	Furniture and fixtures	95	(d)	(d)	(d)	(d)	(d)	(d)
254	Partitions and fixtures	20	1,654	5,936	1,347	4,216	6,973	187
26	Paper and allied products	42	3,086	9,213	2,548	6,098	16,755	2,096
267	Paperboard containers and boxes	19	2,020	5,915	1,733	4,066	10,971	761
269	Pulp goods and miscellaneous paper products	13	527	1,565	398	893	2,666	155
27	Printing and publishing industries	410	11,958	40,541	7,774	24,044	73,302	2,879
273	Books	8	654	2,116	433	1,253	3,437	85
278	Bookbinding and related industries	27	609	1,343	517	1,000	2,187	68
28	Chemicals and allied products	200	9,239	30,807	6,244	17,419	85,830	6,080
282	Industrial organic chemicals	8	938	3,032	819	2,510	9,221	515
283	Drugs and medicines	25	577	1,573	405	810	4,253	214
284	Soap and related products	36	379	1,219	225	501	2,096	71
285	Paints and allied products	51	3,542	13,077	1,821	5,031	32,718	1,951
29	Petroleum and coal products	44	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	10	620	(d)	495	(d)	(d)	(d)
31	Leather and leather products	14	201	(d)	173	(d)	(d)	(d)
32	Stone, clay, and glass products	94	2,551	(d)	2,235	(d)	(d)	(d)
329	Miscellaneous nonmetallic mineral products	27	463	1,415	366	843	3,067	89
33	Primary metal industries	172	(d)	(d)	(d)	(d)	(d)	(d)
331	Blast furnaces and steel mills	9	14,822	50,118	12,654	41,600	83,686	4,880
332	Iron and steel foundries	34	11,380	36,243	10,610	32,442	54,892	1,874
34	Fabricated metal products	524	32,442	103,898	27,195	79,192	184,113	13,879
342	Cutlery, hand tools, and hardware	37	1,446	4,468	1,172	3,349	7,389	328
344	Structural metal products	85	3,069	11,132	2,423	7,585	18,453	830
346	Metal stamping and coating	167	6,927	21,930	5,946	17,068	36,846	2,138
347	Lighting fixtures	35	3,052	8,837	2,490	6,454	14,568	1,280
349	Miscellaneous fabricated metal products	118	9,841	31,351	8,588	25,496	61,911	4,431
35	Machinery (except electrical)	640	54,084	185,975	43,243	135,657	330,800	14,803
353	Construction and mining machinery	14	2,296	9,169	1,769	6,147	17,840	1,114
358	Service and household machines	30	7,152	23,121	6,009	17,969	37,995	1,387

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
	CUYAHOGA COUNTY—Continued							
36	Electrical machinery	101	(d)	(d)	(d)	(d)	(d)	(d)
366	Communication equipment	17	2,897	$7,272	2,408	$5,239	$10,735	$258
369	Miscellaneous electrical products	16	5,399	16,135	4,624	12,980	33,925	1,444
37	Transportation equipment	67	35,458	(d)	30,271	(d)	(d)	(d)
372	Aircraft and parts	7	8,772	28,743	7,169	22,562	48,563	1,494
38	Instruments and related products	35	2,399	7,386	1,624	4,124	12,310	624
382	Mechanical measuring instruments	10	1,413	4,592	908	2,515	7,745	308
384	Medical instruments and supplies	14	585	1,613	405	854	2,863	298
39	Miscellaneous manufactures	155	(d)	(d)	(d)	(d)	(d)	(d)
393	Musical instruments and parts	4	407	1,148	348	948	1,303	31
395	Office supplies	15	308	1,008	210	554	1,690	93
397	Plastics products, n.e.c.	25	1,302	3,678	954	2,277	6,291	1,311
	HAMILTON COUNTY							
	All industries, total [1]	**1,564**	**126,603**	**$357,162**	**100,878**	**$255,205**	**$732,158**	**$45,187**
20	Food and kindred products	228	14,629	39,542	11,198	26,673	110,397	7,584
201	Meat products	44	3,033	8,865	2,475	6,479	14,015	1,175
202	Dairy products	16	450	981	313	583	2,189	168
205	Bakery products	45	3,193	8,252	2,185	4,558	17,022	1,041
208	Beverages	34	4,276	12,111	3,369	8,604	36,643	3,415
209	Miscellaneous food preparations	48	2,549	6,445	1,957	4,313	32,024	1,123
21	Tobacco manufactures	9	75	(d)	61	(d)	(d)	(d)
22	Textile mill products	9	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	123	9,215	(d)	7,459	(d)	(d)	(d)
232	Men's and boys' furnishings	23	2,614	5,426	2,247	3,622	10,035	270
233	Women's and misses' outerwear	19	1,513	3,284	1,021	1,919	4,198	298
24	Lumber and products, except furniture	36	1,213	3,194	1,073	2,513	5,441	194
243	Millwork and related products	8	228	659	189	457	1,028	11
25	Furniture and fixtures	47	4,745	12,534	4,005	9,474	20,424	1,284
26	Paper and allied products	41	5,850	(d)	5,091	(d)	(d)	(d)
261	Pulp, paper, and paperboard	5	1,046	3,853	944	3,443	10,642	1,447
266	Paper bags	4	193	456	153	293	1,032	48
27	Printing and publishing industries	261	11,322	33,535	7,889	21,229	62,232	3,541
272	Periodicals	24	1,509	4,120	506	1,564	9,181	454
273	Books	8	609	1,708	445	1,127	2,543	450
275	Commercial printing	131	3,249	9,130	2,830	7,392	17,418	1,049
278	Bookbinding and related industries	18	331	780	283	652	1,217	157
28	Chemicals and allied products	113	10,103	(d)	6,894	(d)	(d)	(d)
281	Industrial inorganic chemicals	7	298	900	257	744	2,186	76
287	Fertilizers	6	689	1,798	574	1,350	4,608	258
288	Vegetable and animal oils	7	1,302	4,104	933	2,695	11,138	4,047
29	Petroleum and coal products	10	686	(d)	604	(d)	(d)	(d)
30	Rubber products	6	213	(d)	162	(d)	(d)	(d)
31	Leather and leather products	33	(d)	(d)	(d)	(d)	(d)	(d)
313	Footwear cut stock	6	138	221	127	182	450	4
314	Footwear (except rubber)	9	2,534	5,370	2,427	4,637	7,209	101
319	Miscellaneous leather goods	5	127	180	125	177	255	4
32	Stone, clay, and glass products	64	1,716	4,252	1,484	3,212	8,189	587
327	Concrete and plaster products	32	244	628	218	500	1,287	152
33	Primary metal industries	52	3,739	(d)	3,295	(d)	(d)	(d)
336	Nonferrous foundries	23	1,383	3,747	1,237	3,177	5,300	267
339	Miscellaneous primary metal industries	7	211	664	181	464	1,034	15
34	Fabricated metal products	158	12,841	36,172	10,892	27,663	65,551	3,567
343	Heating and plumbing equipment	11	2,549	6,556	2,092	4,855	12,783	455
344	Structural metal products	49	2,638	8,788	2,138	6,156	15,345	773
346	Metal stamping and coating	52	2,592	7,250	2,245	5,542	15,011	741
348	Fabricated wire products	11	328	722	277	519	1,257	185
35	Machinery (except electrical)	181	22,834	72,963	17,679	51,475	114,026	5,288
358	Service and household machines	10	2,317	6,613	1,924	5,205	11,010	472
36	Electrical machinery	35	7,583	(d)	5,971	(d)	(d)	(d)
366	Communication equipment	10	2,832	6,582	2,255	4,271	11,048	145
37	Transportation equipment	17	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	23	(d)	(d)	(d)	(d)	(d)	(d)
384	Medical instruments and supplies	12	469	832	439	711	1,929	12
39	Miscellaneous manufactures	118	8,334	20,936	7,025	16,156	31,616	1,524
391	Jewelry and silverware	25	458	1,286	364	913	2,152	31
397	Plastics products, n.e.c.	7	1,619	4,430	1,343	3,388	6,731	286
399	Miscellaneous manufactures	52	2,793	6,368	2,415	4,825	9,973	353

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
	LORAIN COUNTY							
	All industries, total [1]	161	28,980	$87,791	24,226	$69,350	$131,638	$45,352
20	Food and kindred products	32	397	(d)	269	(d)	(d)	(d)
22	Textile mill products	3	145	(d)	132	(d)	(d)	(d)
23	Apparel and related products	3	469	1,132	459	1,090	1,132	41
24	Lumber and products, except furniture	3	38	(d)	37	(d)	(d)	(d)
25	Furniture and fixtures	2	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	16	274	673	133	335	1,479	31
271	Newspapers	8	200	516	73	211	1,213	9
28	Chemicals and allied products	7	267	773	234	663	2,156	(d)
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	7	45	102	36	84	162	99
33	Primary metal industries	14	13,432	(d)	11,261	(d)	(d)	(d)
332	Iron and steel foundries	6	1,191	3,780	1,040	3,104	5,066	1,072
34	Fabricated metal products	27	4,720	14,825	4,078	11,882	25,351	1,508
343	Heating and plumbing equipment	5	1,533	4,468	1,286	3,488	8,935	443
349	Miscellaneous fabricated metal products	11	2,361	7,204	2,088	5,978	9,510	793
35	Machinery (except electrical)	25	2,708	8,321	2,174	6,998	20,683	648
36	Electrical machinery	5	1,268	(d)	1,114	(d)	(d)	(d)
37	Transportation equipment	5	2,528	8,390	1,956	6,223	17,168	(d)
39	Miscellaneous manufactures	10	2,101	6,143	1,889	4,756	8,993	316
	MAHONING COUNTY							
	All industries, total [1]	260	47,858	$144,194	42,379	$122,378	$232,043	$14,648
20	Food and kindred products	49	1,419	4,051	848	1,848	6,620	695
205	Bakery products	17	824	2,622	443	1,021	3,875	309
208	Beverages	12	310	781	185	381	1,610	283
23	Apparel and related products	9	532	869	497	756	1,809	25
24	Lumber and products, except furniture	10	126	259	107	228	404	69
25	Furniture and fixtures	12	258	(d)	219	(d)	(d)	(d)
26	Paper and allied products	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	21	599	2,005	324	1,137	4,305	68
28	Chemicals and allied products	11	196	559	153	401	774	99
29	Petroleum and coal products	4	1,385	(d)	1,264	(d)	(d)	(d)
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	31	2,042	(d)	1,913	(d)	(d)	(d)
326	Pottery and related products	10	1,550	4,032	1,457	3,602	5,649	533
33	Primary metal industries	24	29,750	92,291	26,956	81,700	140,572	10,358
331	Blast furnaces and steel mills	14	28,604	88,746	25,956	78,758	134,730	9,721
34	Fabricated metal products	35	4,978	14,464	4,380	11,852	28,109	839
344	Structural metal products	18	3,838	11,631	3,333	9,372	24,083	634
35	Machinery (except electrical)	21	2,045	7,260	1,746	5,565	11,961	468
354	Metalworking machinery	6	1,419	4,892	1,247	4,110	7,640	297
36	Electrical machinery	5	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	8	1,429	3,853	1,274	3,305	7,332	366
38	Instruments and related products	3	12	(d)	9	(d)	(d)	(d)
39	Miscellaneous manufactures	13	207	316	169	243	549	49
	MONTGOMERY COUNTY							
	All industries, total [1]	595	93,668	$303,886	77,994	$236,807	$487,755	$39,197
20	Food and kindred products	90	3,145	9,039	2,191	5,111	21,811	1,580
202	Dairy products	9	245	652	157	345	1,682	201
205	Bakery products	27	1,937	5,731	1,341	3,223	14,132	723
207	Confectionery and related products	15	140	302	107	207	628	57
208	Beverages	14	336	1,046	192	436	1,912	321
23	Apparel and related products	13	396	716	334	524	1,428	37
24	Lumber and products, except furniture	10	378	1,051	333	851	1,637	48
25	Furniture and fixtures	8	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	18	2,609	8,236	2,236	6,144	13,551	836
261	Pulp, paper, and paperboard	4	937	3,046	800	2,540	5,606	391
267	Paperboard containers and boxes	4	230	682	191	478	1,501	155
27	Printing and publishing industries	69	7,797	26,225	5,261	16,315	58,367	6,820
275	Commercial printing	35	2,896	10,286	1,687	4,813	18,187	717
28	Chemicals and allied products	28	(d)	(d)	(d)	(d)	(d)	(d)
285	Paints and allied products	8	504	1,615	352	950	6,686	261
289	Miscellaneous chemical products	9	144	469	97	271	1,494	(d)
29	Petroleum and coal products	4	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	5	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	2	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone clay, and glass products	16	221	(d)	181	(d)	(d)	(d)
33	Primary metal industries	27	(d)	(d)	(d)	(d)	(d)	(d)
339	Miscellaneous primary metal industries	5	202	736	179	609	1,202	28
34	Fabricated metal products	64	(d)	(d)	(d)	(d)	(d)	(d)
342	Cutlery, hand tools, and hardware	8	464	1,573	346	1,087	2,202	95
346	Metal stamping and coating	21	608	2,171	498	1,582	1,974	173
349	Miscellaneous fabricated metal products	16	187	590	162	444	1,186	117
35	Machinery (except electrical)	153	(d)	(d)	(d)	(d)	(d)	(d)
354	Metalworking machinery	81	2,988	12,886	2,475	10,066	19,746	557
359	Miscellaneous machinery parts	14	693	2,274	581	1,809	4,197	402
36	Electrical machinery	19	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	21	9,466	29,411	7,737	22,527	44,462	1,860
38	Instruments and related products	12	1,721	5,349	1,323	4,141	6,206	496
39	Miscellaneous manufactures	36	1,451	3,625	1,235	2,838	6,340	259
397	Plastics products, n.e.c.	4	645	1,651	579	1,306	2,337	64
399	Miscellaneous manufactures	20	676	1,705	541	1,302	3,613	192

See footnotes at end of table.

874424—50——32

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
		TRUMBULL COUNTY						
	All industries, total [1]	176	40,157	$121,400	34,788	$99,258	$213,734	$14,639
20	Food and kindred products	16	213	538	160	379	852	84
205	Bakery products	5	27	59	22	52	86	7
23	Apparel and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	15	112	256	109	245	388	20
25	Furniture and fixtures	8	5,766	(d)	4,636	(d)	(d)	(d)
27	Printing and publishing industries	15	277	766	142	388	1,073	101
28	Chemicals and allied products	3	71	(d)	66	(d)	(d)	(d)
29	Petroleum and coal products	4	(d)	(d)	(d)	(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	14	825	(d)	759	(d)	(d)	(d)
33	Primary metal industries	22	17,723	55,838	15,931	48,130	98,173	5,934
339	Miscellaneous primary metal industries	5	3,805	11,499	3,266	9,089	25,438	1,757
34	Fabricated metal products	35	3,911	11,092	3,407	8,837	24,874	1,529
344	Structural metal products	16	1,155	3,426	958	2,467	8,366	712
349	Miscellaneous fabricated metal products	5	1,619	4,629	1,411	3,765	9,166	228
35	Machinery (except electrical)	20	2,433	(d)	2,099	(d)	(d)	(d)
359	Miscellaneous machinery parts	6	541	1,637	448	1,295	2,434	152
36	Electrical machinery	9	(d)	(d)	(d)	(d)	(d)	(d)
361	Electrical industrial apparatus	7	3,636	10,166	3,012	8,064	15,784	856
37	Transportation equipment	7	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	4	15	34	15	34	64	----------

[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	12,303	1,879	47	82	493	595	333	228	1,555	641	124	134	117	872	605	1,432	1,864	302	247	134	619
1-19 employees	7,273	1,232	36	23	257	482	179	56	1,184	391	76	40	58	547	198	752	1,083	96	91	80	412
20-99 employees	3,084	490	3	28	157	99	99	91	284	172	18	42	24	188	181	426	451	93	67	32	139
100 employees and over	1,946	157	8	31	79	14	55	81	87	78	30	52	35	137	226	254	330	113	89	22	68
Adams:																					
1-19 employees	7	------	------	------	------	4	------	------	2	------	------	------	------	------	------	1	------	------	------	------	------
20-99 employees	3	1	------	------	------	------	------	------	------	------	------	------	------	------	------	1	------	------	------	------	1
100 employees and over	1	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Allen:																					
1-19 employees	57	11	------	------	1	4	1	------	11	3	1	------	------	5	3	4	7	1	1	------	4
20-99 employees	23	10	------	------	1	2	------	------	1	1	------	1	------	------	1	1	1	1	1	------	2
100 employees and over	23	2	3	1	------	1	------	------	1	------	1	1	------	------	2	2	4	2	2	------	1
Ashland:																					
1-19 employees	19	6	------	------	1	3	------	------	3	------	------	1	------	2	1	------	2	------	------	------	------
20-99 employees	11	2	------	------	------	------	------	------	1	------	1	4	------	1	1	------	1	------	------	------	------
100 employees and over	12	------	------	------	1	------	------	------	1	1	------	2	------	1	1	1	2	------	2	------	------
Ashtabula:																					
1-19 employees	89	15	------	------	2	33	------	------	8	2	------	1	3	6	3	4	5	1	1	1	4
20-99 employees	23	1	------	1	2	------	------	1	2	------	------	4	------	2	2	3	4	1	------	------	------
100 employees and over	19	------	------	------	1	1	------	1	------	1	------	------	2	------	2	4	1	4	1	------	1
Athens:																					
1-19 employees	16	3	------	------	1	1	------	------	4	1	------	------	1	1	------	3	------	------	1	------	------
20-99 employees	6	2	------	------	------	1	------	------	1	------	------	------	------	------	------	1	1	------	------	------	------
100 employees and over	2	------	------	------	------	------	------	------	1	------	------	------	1	------	------	------	------	------	------	------	------
Auglaize:																					
1-19 employees	21	9	------	1	1	------	------	------	4	------	------	1	------	4	------	------	1	------	------	------	------
20-99 employees	21	5	------	1	------	2	1	------	2	1	------	1	------	------	------	2	3	------	1	1	1
100 employees and over	9	------	1	1	------	------	1	1	------	------	------	1	------	------	1	------	2	------	------	------	1
Belmont:																					
1-19 employees	51	17	7	------	1	3	------	2	7	------	1	------	------	4	1	2	4	------	------	------	2
20-99 employees	17	2	------	------	2	1	------	------	1	1	------	------	------	2	3	3	1	------	------	------	1
100 employees and over	9	1	------	------	------	1	------	------	------	------	------	------	------	2	1	2	2	------	------	------	------
Brown:																					
1-19 employees	12	2	------	------	1	1	------	------	3	------	------	------	------	3	1	------	------	------	------	------	1
100 employees and over	2	------	------	------	------	------	------	------	------	------	------	------	2	------	------	------	------	------	------	------	------
Butler:																					
1-19 employees	71	15	------	------	2	2	------	------	20	2	------	------	------	9	------	5	13	------	------	------	3
20-99 employees	37	9	------	1	------	1	------	3	3	2	------	------	------	1	4	5	6	1	------	------	1
100 employees and over	45	1	1	1	------	1	1	13	1	------	1	------	------	------	4	9	9	------	3	------	------

TABLE 7.—DISTRIBUTION OF ESTABLISHMENTS BY EMPLOYMENT SIZE GROUP 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
Carroll:																					
1-19 employees	14					10			2	1				1							
20-99 employees	8	2												6							
100 employees and over	4											1		1		1		1			
Champaign:																					
1-19 employees	18	4		1		2	1		3	1				1		1	3				1
20-99 employees	8	1							1							1	3				2
100 employees and over	5	1					1	2								1					
Clark:																					
1-19 employees	113	15			2	2	3	2	17	5	1	1	1	9		16	28	1	1		9
20-99 employees	47	7			2		1	1	1	1			1	2	6	8	10		3		4
100 employees and over	32	1			1			1	2				1		2	4	12	1	1	2	4
Clermont:																					
1-19 employees	28	4			1	3			4		1	1	1	7	1		1		1	2	1
20-99 employees	9	1		1	1		1			2					2		1				
100 employees and over	2						1						1								
Clinton:																					
1-19 employees	22	4				1			1					2	2	3	6			1	2
20-99 employees	10						1		2						1	5	1				
100 employees and over	2														1	1					
Columbiana:																					
1-19 employees	75	13			2	9	2		12	3				11	4	3	13		1	1	1
20-99 employees	52	5					2	3	6					12	5	6	11	2			
100 employees and over	28	1					5							12	1	2	7				
Coshocton:																					
1-19 employees	47	9		1	1	15	1		6	1			4	4	1	2			1	1	
20-99 employees	12	2						2	4				1			2					1
100 employees and over	12				1			1				2	1	1	1	2					3
Crawford:																					
1-19 employees	39	9			1	2	2		6	1	1			4	3	2	4	1	1		2
20-99 employees	16				3				2					1	2	2	3				3
100 employees and over	16				2							1		1	1		5	3	3		
Cuyahoga:																					
1-19 employees	1,911	162	5	12	112	36	61	16	311	132	24	4	12	69	58	303	410	28	25	20	111
20-99 employees	793	78		14	55	13	24	17	78	44	13	3	1	20	48	147	141	37	14	8	38
100 employees and over	458	36	1	10	21	4	10	9	21	24	7	3	1	5	66	74	89	36	28	7	6
Darke:																					
1-19 employees	38	15	2		1	1		1	5	2				5	2		2				2
20-99 employees	17	8			1				1	1					1	1	3				1
100 employees and over	3				2													1			
Defiance:																					
1-19 employees	36	8	2			2	2		4	1				2	1	6	5	1			2
20-99 employees	17	7			1	1			1							2	4		1		
100 employees and over	5															3	1	1			
Delaware:																					
1-19 employees	24	4				3	1		3				1	1		2	6				3
20-99 employees	13					1	1		1			1		3		2	1		1	1	1
100 employees and over	2	1																	1		
Erie:																					
1-19 employees	57	17				6		2	9		1	1		5	1	2	8				5
20-99 employees	29	9				2		4	2	1					1	6	2		1		1
100 employees and over	19	1						2		1		1		2	3	2	4	2			1
Fairfield:																					
1-19 employees	35	9			1	3			5	2	1			3		3	3		1	1	3
20-99 employees	12	1						3	1					3	1		2	1			
100 employees and over	9							1					1	3			3	1			
Fayette:																					
1-19 employees	8	4				2								1	1						
20-99 employees	10	4				1			1	1							2				1
100 employees and over	4	1			1								1						1		
Franklin:																					
1-19 employees	401	71	1		20	15	17	1	72	33	6	2	8	24	10	35	41	7	6	13	19
20-99 employees	185	35	1		6	7	6	7	17	14	1		4	13	7	24	21	3	5	2	12
100 employees and over	93	17		1	4		2	5	9	5			6	2	6	11	14	2	4	2	3
Fulton:																					
1-19 employees	33	6				4	3		8	1				4	1	1	3		1		1
20-99 employees	16	3				1	2								3	2	2		3		
100 employees and over	4	2																1			1
Gallia:																					
1-19 employees	8	3			1	1	1		1							1					
20-99 employees	4	2					1		1												
Geauga:																					
1-19 employees	31	3				10	1		6	1				2		3	3			1	1
20-99 employees	7				1					1		1					2			1	1
100 employees and over	3								1			2									
Greene:																					
1-19 employees	28	8				1			7	2				7		1	2				
20-99 employees	9			2					4			1			1			1			
100 employees and over	6			1			1						1	2	1						
Guernsey:																					
1-19 employees	33	10	2		1	1	1		3	2				3	1	1	3				5
20-99 employees	11	1			2	1			1							2	1	1			2
100 employees and over	4						1							2							1
Hamilton:																					
1-19 employees	873	133	7	3	55	18	23	12	188	58	8	4	18	48	18	83	92	12	5	11	77
20-99 employees	415	62	2	3	46	16	15	13	48	33		1	8	11	20	46	44	10	5	9	23
100 employees and over	276	33		3	22	2	9	16	25	22	2	1	7	5	14	29	45	13	7	3	18
Hancock:																					
1-19 employees	47	13			1	2	1		6	3	1			5	2	3	7			1	2
20-99 employees	14	5			1	1			1	3				1			2				
100 employees and over	12	2	1		1						1	2		1	1	1	1				1
Hardin:																					
1-19 employees	23	7				2	1		5	2				2		1	3				
20-99 employees	10	1										1			1	1		1	3		2
100 employees and over	4																1	1			2
Harrison:																					
1-19 employees	10	1				6			2					1							
20-99 employees	5							1						2		1	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
Henry:																					
1–19 employees	33	10				1			5		1			8		3	4				1
20–99 employees	8	3			1										1	2	1				
100 employees and over	1	1																			
Highland:																					
1–19 employees	21	9				2	1		4					4	1						
20–99 employees	7	2					1		1					1	1	1					
100 employees and over	4				1								1				1			1	
Hocking:																					
1–19 employees	21	4				15			2												
20–99 employees	4						1							2	1						
100 employees and over	5						1						1	3							
Holmes:																					
1–19 employees	39	14		1		21			2					1							
20–99 employees	5						1					1		1		2					
Huron:																					
1–19 employees	32	3				4	2	1	9	2				4		3	2				2
20–99 employees	27	7		1	2	1	3		3	1		2		1		2	1		1		2
100 employees and over	6	1			1							1					2	1			
Jackson:																					
1–19 employees	30	10				10			4	1				3			1			1	
20–99 employees	9	1				1						1		6							
100 employees and over	9				1		1							2	4		1				
Jefferson:																					
1–19 employees	35	13				5	1		7	3				2				1	1		2
20–99 employees	16	3				1		2	1					6	1	1		1			
100 employees and over	14							2						4	5	3					
Knox:																					
1–19 employees	28	6				6			3	1	1		1	4	2	1	1	1			1
20–99 employees	5	2							2						1						
100 employees and over	8						1	1						2		1	3				
Lake:																					
1–19 employees	64	7		1	2	5			4	3		1		6	1	14	16		2		2
20–99 employees	20				1	2	2		4	4		1			1		4		1		
100 employees and over	12			1						5	1	1		1			2	1			
Lawrence:																					
1–19 employees	19	8				1			1	2				5			2				
20–99 employees	9	1							2	1				2		1			2		
100 employees and over	11						1			1	1	1		4	2						1
Licking:																					
1–19 employees	43	11	2			5			8	1	1			3	2	5	1	2			2
20–99 employees	13	5			1						1	1		2	1	1	1				
100 employees and over	9			1					1		1	1		3				1			1
Logan:																					
1–19 employees	26	12				1			3				1	3	1	2		1			2
20–99 employees	9	2					1		1						1	2		1	1		
100 employees and over	3	1							1										1		
Lorain:																					
1–19 employees	87	27		2		2	1		13	5				7	4	8	11	2			5
20–99 employees	37	5			1	1	1		3	1		1			2	9	10	2			1
100 employees and over	37			1	2					1	1				8	10	4	1	5		4
Lucas:																					
1–19 employees	369	42	1		9	15	9	5	55	31	5	2	2	14	14	54	64	6	7	5	29
20–99 employees	158	25		1	8	5	5	3	12	11	1	2		6	10	28	27	5	4		5
100 employees and over	100	13	1	2	4	1	1	4	2	3	5	2		3	9	16	16	6	5	3	4
Madison:																					
1–19 employees	12	1				1			4					1			2			2	1
20–99 employees	9	4		1	1									2			1				
100 employees and over	1																		1		
Mahoning:																					
1–19 employees	147	33			4	8	8		15	7	1	1		19	3	15	13	2	4	3	11
20–99 employees	62	13			3	2	4	1	5	4			1	7	3	14	2	1	1		1
100 employees and over	51	3			2				1		3	1		5	18	6	6	2	3		1
Marion:																					
1–19 employees	52	12				2	1	1	6	4	1	1		9	2	2	7		2		2
20–99 employees	17	5							2	2				1	4	2			1		
100 employees and over	12				1	1									3		6		1		
Medina:																					
1–19 employees	35	6				1	2		6	2	1			6	1	3	4		1		2
20–99 employees	8	2				2	1							1			1				1
100 employees and over	10	1								1		1			2	2	1		1		1
Meigs:																					
1–19 employees	21	6	1			8	1		1	2				1							1
20–99 employees	2	1																1			
100 employees and over	1														1						
Mercer:																					
1–19 employees	26	6				4			7	2				3	1		2		1		
20–99 employees	4	1					1			1							1				
100 employees and over	4	1			1		1										1				
Miami:																					
1–19 employees	59	18	1		1	7		1	5	1				6	3	5	7				4
20–99 employees	41	7				2	2	5	4	2				2	2	1	6	3	4		1
100 employees and over	16	2		3			1	1								1	3	1	4		
Monroe:																					
1–19 employees	8	2				1			2					2		1					
Montgomery:																					
1–19 employees	344	60			7	6	5	3	41	16	4	2	2	15	13	38	87	7	8	7	23
20–99 employees	170	21			5	4	2	7	18	9		1			8	18	49	7	8	3	10
100 employees and over	81	9			1		1	8	10	3		2		1	6	8	17	5	5	2	3
Morgan:																					
1–19 employees	4	1	1			1			1												
20–99 employees	2	1				1															
100 employees and over	1																1				
Morrow:																					
1–19 employees	14	2				3			2	1				2			3				1
100 employees and over	2																1	1			
Muskingum:																					
1–19 employees	58	15				8			10	5	1		1	11	1	1	2		1		2
20–99 employees	23	5				3		2					1	5	1		3	1			2
100 employees and over	21			1	1			1	1					10	2	1	2	2			
Noble:																					
1–19 employees	7	2			1	2			2												
20–99 employees	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
Ottawa:																					
1-19 employees	34	13				3			3					7		2	3	1			2
20-99 employees	10	4				2	1									2	1				
100 employees and over	10							1		1		1		5			1		1		
Paulding:																					
1-19 employees	6	1					1		3					1							
20-99 employees	5	3					1							1							
100 employees and over	1													1							
Perry:																					
1-19 employees	13	4				3			4					1			1				
20-99 employees	13								1					11			1				
100 employees and over	5													4			1				
Pickaway:																					
1-19 employees	17	4			1	1			6	1				1			1				2
20-99 employees	6	3							1	1								1			
100 employees and over	3	2						1													
Pike:																					
1-19 employees	12					9			2					1							
Portage:																					
1-19 employees	47	7				7	2		5			2		7	1	2	11		1		2
20-99 employees	20	2				1	2		1	1		2		2		2	4	1			2
100 employees and over	13			2			1					3			1	1	3	1	1		
Preble:																					
1-19 employees	27	5			1	3	1		5	1				7		1	2	1			
20-99 employees	6				2	1								1			2				
Putnam:																					
1-19 employees	24	7			1	1			7					8							
20-99 employees	4	2												1							1
100 employees and over	2	1					1														
Richland:																					
1-19 employees	63	12			1	6		1	10	2	1			9	2	5	8		1	1	4
20-99 employees	37	6			1	2	2	1	1	1			1	3	4	6	6	1		1	1
100 employees and over	25			1			1		2			1			3	5	4	5	3		
Ross:																					
1-19 employees	34	6			1	14	2		3	2	1			5							
20-99 employees	4	2							1	1											
100 employees and over	5	1						3					1								
Sandusky:																					
1-19 employees	48	7			1	3	2		7	1				9		7	6	2		1	2
20-99 employees	29	6			1			1	1			1		6	1	7	2				3
100 employees and over	18	3			2							1		4	2	3	1	2			
Scioto:																					
1-19 employees	49	15				13			5	2	2			9		2					1
20-99 employees	16	7				1		1	2				1	2	2						
100 employees and over	11			1							1		4	1	3	1					
Seneca:																					
1-19 employees	38	7			1				6	1	1			6	1	3	6	4	1		1
20-99 employees	22	5			1		2		2	2		1		1	2	1	3			1	1
100 employees and over	17								1					5	2	1	4	4			
Shelby:																					
1-19 employees	33	8	2		1	3			4				1	4	4	2	4				
20-99 employees	14	3					1	1	1				1		2	1	3		1		
100 employees and over	8														2	1	4		1		
Stark:																					
1-19 employees	219	53			4	5	3	2	36	7	3	2		21	9	21	40	3	4	1	5
20-99 employees	92	12		1	2	3	3	3	6	8	1	3		6	8	15	13	3	1		4
100 employees and over	74	5			2		3	1	2		2	2		7	21	10	15	1		1	2
Summit:																					
1-19 employees	299	39			10	5	7	4	55	11	1	11		11	5	36	63	5	2	5	29
20-99 employees	104	17			1	3	2	5	15	4		7	1	4	8	12	16	2	2	3	2
100 employees and over	79	7				1	2	1	2	5		15		8	3	11	17	1			6
Trumbull:																					
1-19 employees	83	12			1	14	3		11		2			10	3	12	6	2	3		4
20-99 employees	39	4				1	2		3	3				1	3	12	8		1	1	
100 employees and over	54						3		1		2	1	1	3	16	11	6	7	3		
Tuscarawas:																					
1-19 employees	67	29	1		1	6	1		7	1				8	1	3	6	1		1	1
20-99 employees	27	3		1	1				2	1				14		2	2	1			
100 employees and over	26				1					1				15	3	4	1	1			
Union:																					
1-19 employees	15	4				1	1		2		1			1	2	1	2				
20-99 employees	3	1							1	1											
100 employees and over	2	1														1					
Van Wert:																					
1-19 employees	21	5				1	1		2	3				3	1	2	3				
20-99 employees	5	1							1	1							2				
100 employees and over	5	1			1			1					1			1					
Vinton:																					
1-19 employees	16					14			2												
20-99 employees	2													1				1			
100 employees and over	1									1											
Warren:																					
1-19 employees	23	7				1		1	3	1				4		3	1				2
20-99 employees	9	1					1	3		1						2		1			
100 employees and over	7							2			1		1			2		1			
Washington:																					
1-19 employees	29	6				7	1		4	6	1		1	1	1		1				
20-99 employees	14	3				3			1	2			1	1		2	1				
100 employees and over	7						3		1	1				1			1				
Wayne:																					
1-19 employees	46	12				7		1	5	1		1		7		2	5	2	3		
20-99 employees	32	9				2	1	1	1	2			1	3	2	1	4		1	1	3
100 employees and over	12	1				1		2				1			2	4					1
Williams:																					
1-19 employees	30	8		1		1			6	1				4	2		2	1	2		2
20-99 employees	11	2			1	2	1			1					1	2		1			
100 employees and over	5	1					1										1		1		1
Wood:																					
1-19 employees	38	8	1						8	2	1	1		5	2	2	7		1		
20-99 employees	16	9							1				1	2		1	1				1
100 employees and over	9	2								1				3		1	1			1	
Wyandot:																					
1-19 employees	13	3				1	1		3					3			1				1
20-99 employees	7	3				1								2			1				
100 employees and over	2													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 year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	**$3,533,075**	**1,194,603**	**1,189,602**	**1,183,634**	**1,191,915**	**1,195,153**	**1,193,959**	**1,176,501**	**1,184,676**	**1,172,767**	**1,184,588**	**1,194,475**	**1,199,151**	**1,198,380**	**1,200,027**
20	Food and kindred products	179,833	67,003	65,506	61,323	61,120	61,057	61,987	62,932	65,358	66,113	67,456	75,465	70,086	67,585	65,591
21	Tobacco manufactures	5,166	2,671	2,653	2,971	2,853	2,692	2,408	2,296	2,343	2,541	2,632	2,712	2,831	2,861	2,692
22	Textile mill products	28,179	10,868	10,847	11,250	11,236	11,056	10,598	10,559	10,583	10,057	10,525	10,734	10,942	11,170	11,457
23	Apparel and related products	74,659	31,291	31,258	30,740	31,218	31,189	30,851	30,755	30,972	30,428	31,242	31,299	32,256	31,687	32,461
24	Lumber and products, exc. furniture	22,565	9,454	9,427	9,292	9,101	9,243	9,371	9,452	9,404	9,433	9,606	9,611	9,677	9,501	9,431
25	Furniture and fixtures	74,434	26,291	26,190	25,955	26,064	25,896	25,838	25,072	25,922	25,287	26,041	26,523	26,942	27,276	27,467
26	Paper and allied products	93,949	31,674	31,669	32,156	32,047	32,052	32,005	31,870	31,689	30,954	31,263	31,252	31,320	31,634	31,784
27	Printing and publishing industries	155,053	49,943	49,674	48,493	48,767	48,820	49,113	49,181	49,482	49,544	49,797	50,185	50,721	50,915	51,071
28	Chemicals and allied products	116,494	37,318	37,229	37,055	37,821	37,839	37,428	37,558	37,211	36,910	37,016	37,068	36,941	36,889	37,017
29	Petroleum and coal products	36,686	10,959	10,952	10,909	10,952	11,031	10,708	10,868	10,932	11,047	11,049	10,999	11,093	10,930	10,903
30	Rubber products	253,647	83,475	83,394	88,275	87,961	87,108	86,016	82,414	81,946	80,810	80,821	80,210	81,285	82,144	81,738
31	Leather and leather products	39,393	18,184	18,106	17,845	17,986	18,240	18,227	18,091	17,980	17,985	18,288	18,135	18,200	18,247	18,051
32	Stone, clay, and glass products	157,091	59,720	59,398	59,040	58,847	59,654	59,596	59,198	58,623	57,778	59,523	59,778	60,029	60,421	60,292
33	Primary metal industries	560,078	177,222	177,128	173,481	174,954	176,583	177,286	178,352	179,644	175,916	177,827	177,019	178,869	177,937	177,667
34	Fabricated metal products	361,337	122,114	121,029	120,436	122,121	122,880	122,438	120,589	120,121	118,744	120,325	121,011	121,151	120,854	121,676
35	Machinery (except electrical)	725,767	227,760	226,662	225,960	227,644	227,496	227,261	225,064	225,270	225,523	225,870	225,894	227,419	227,268	229,271
36	Electrical machinery	260,921	91,540	91,534	92,051	92,527	93,236	93,742	90,106	91,721	89,859	90,209	90,192	91,296	92,285	91,182
37	Transportation equipment	300,491	93,876	93,845	92,369	94,831	95,351	95,257	90,716	93,224	91,643	92,976	93,637	94,857	94,990	96,287
38	Instruments and related products	23,776	8,308	8,222	9,367	9,004	8,443	8,318	8,245	8,172	8,068	7,859	7,623	7,568	7,896	8,097
39	Miscellaneous manufactures	90,557	34,932	34,879	34,666	34,861	35,287	35,511	33,183	34,079	34,127	34,263	35,128	35,668	35,890	35,892

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								
		Akron	Canton	Cincinnati	Cleveland	Columbus	Dayton	Toledo	Wheeling-Steubenville	Youngstown
ALL ESTABLISHMENTS										
Number of establishments	12,303	482	385	1,700	3,258	679	638	627	343	552
Number of employees (average for the year)	1,194,603	94,011	55,564	135,774	268,750	54,877	95,347	69,599	51,751	108,654
Salaries and wages, total	$3,560,075	$284,302	$158,649	$382,935	$866,849	$153,462	$308,299	$221,562	$147,020	$330,825
Value added by manufacture	$6,359,006	$460,327	$280,241	$777,201	$1,546,117	$277,809	$496,380	$390,032	$259,509	$567,307
Establishments by employment size group:										
1-4 employees	3,335	126	98	379	848	194	166	158	84	161
5-9 employees	2,108	96	64	297	594	93	103	111	56	81
10-19 employees	1,830	77	57	288	533	114	103	100	42	68
20-49 employees	2,012	63	55	297	538	120	115	102	53	86
50-99 employees	1,072	41	37	145	275	65	64	56	30	35
100-249 employees	1,021	49	33	161	243	47	42	47	37	43
250-499 employees	476	13	17	77	116	19	20	31	21	35
500-999 employees	265	7	15	40	62	20	13	11	12	23
1,000-2,499 employees	134	4	4	15	40	4	8	7	5	12
2,500 employees and over	50	6	5	1	9	3	4	4	3	8
ESTABLISHMENTS REPORTING DETAILED STATISTICS										
Number of establishments	9,468	367	298	1,354	2,514	526	485	504	280	439
Number of employees (average for the year)	1,182,912	93,502	55,192	134,374	265,874	54,171	94,684	69,065	51,464	108,227
Salaries and wages, total	$3,535,924	$283,192	$157,799	$380,011	$859,846	$151,975	$306,573	$220,390	$146,575	$329,994
Value added by manufacture	$6,314,368	$458,362	$278,916	$771,738	$1,533,673	$275,171	$493,363	$387,402	$258,682	$565,762
Number of employees for pay period ended nearest Oct. 15:										
All employees	1,198,377	91,719	54,975	134,812	266,699	54,987	96,437	68,806	52,141	110,227
Male	951,071	76,201	47,084	99,591	208,042	42,291	75,910	54,516	42,907	96,991
Female	247,306	15,518	7,891	35,221	58,657	12,696	20,527	14,290	9,234	13,236
Production workers	988,984	73,488	46,964	107,426	216,435	42,538	80,208	55,628	46,773	95,614
Male	805,349	62,733	41,215	81,487	173,779	33,542	64,897	45,238	38,662	86,192
Female	183,635	10,755	5,749	25,939	42,656	8,996	15,311	10,390	8,111	9,422
Force-account construction workers	2,149	664	251	72	154	5	53	15	97	90
Administrative, supervisory, sales, and all other	207,244	17,567	7,760	27,314	50,110	12,444	16,176	13,163	5,271	14,523
Male	143,526	12,810	5,625	18,032	34,109	8,744	10,961	9,263	4,148	10,709
Female	63,718	4,757	2,135	9,282	16,001	3,700	5,215	3,900	1,123	3,814
Expenditures for plant and equipment:										
New plant and equipment	$498,254	$28,744	$15,224	$48,336	$91,864	$17,741	$40,150	$38,578	$34,765	$33,784
Construction and major alteration of fixed plants	179,293	4,736	3,933	15,530	29,214	5,203	9,869	17,880	12,858	13,163
Buildings	126,842	4,348	3,188	13,252	21,515	4,853	8,974	12,684	3,350	6,815
Other construction	52,451	388	745	2,278	7,699	350	895	5,196	9,508	6,348
Machinery and equipment	318,961	24,008	11,291	32,806	62,650	12,538	30,281	20,698	21,907	20,621
Production machinery and equipment	279,174	22,161	10,340	26,561	55,533	10,162	24,763	18,425	20,278	18,455
Other machinery and equipment	39,787	1,847	951	6,245	7,117	2,376	5,518	2,273	1,629	2,166
Used plant and equipment and land	39,449	3,777	1,204	7,497	8,516	1,537	3,107	2,978	1,210	2,318

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[1]						
	Butler	Cuyahoga	Hamilton	Lorain	Mahoning	Montgomery	Trumbull
ALL ESTABLISHMENTS							
Number of establishments	153	3,162	1,564	161	260	595	176
Number of employees (average for the year)	27,047	260,034	126,603	28,980	47,858	93,668	40,157
Salaries and wages, total	$84,037	$839,791	$357,162	$87,791	$144,194	$303,886	$121,400
Value added by manufacture	$137,406	$1,488,276	$732,158	$131,638	$232,043	$487,755	$213,734
Establishments by employment size group:							
1–4 employees	28	818	346	40	72	152	49
5–9 employees	28	575	265	27	40	97	19
10–19 employees	15	518	262	20	35	95	15
20–49 employees	24	528	281	21	47	109	26
50–99 employees	13	265	134	16	15	61	13
100–249 employees	22	237	150	15	17	37	19
250–499 employees	10	113	74	12	14	19	17
500–999 employees	9	62	37	5	12	13	10
1,000–2,499 employees	2	37	14	4	5	8	5
2,500 employees and over	2	9	1	1	3	4	3
ESTABLISHMENTS REPORTING DETAILED STATISTICS							
Number of establishments	120	2,441	1,252	134	216	453	140
Number of employees (average for the year)	26,823	257,239	125,355	28,877	47,673	93,044	40,030
Salaries and wages, total	$83,573	$832,957	$354,563	$87,574	$143,810	$302,236	$121,127
Value added by manufacture	$136,488	$1,476,178	$727,214	$131,297	$231,377	$484,882	$213,189
Number of employees for pay period ended nearest Oct. 15:							
All employees	27,731	257,959	125,440	30,781	48,206	94,633	40,800
Male	22,738	200,674	92,214	26,427	43,526	74,434	34,492
Female	4,993	57,285	33,226	4,354	4,680	20,199	6,308
Production workers	23,211	209,296	99,688	25,430	42,691	78,655	35,337
Male	19,592	167,550	75,294	22,393	39,205	63,608	30,578
Female	3,619	41,746	24,394	3,037	3,486	15,047	4,759
Force-account construction workers	----------	154	68	269	39	53	10
Administrative, supervisory, sales, and all other	4,520	48,509	25,684	5,082	5,476	15,925	5,453
Male	3,146	32,970	16,852	3,778	4,282	10,774	3,904
Female	1,374	15,539	8,832	1,304	1,194	5,151	1,549
Expenditures for plant and equipment:							
New plant and equipment	$22,755	$84,391	$45,187	$45,352	$14,648	$39,197	$14,639
Construction and major alteration of fixed plants	8,169	26,465	14,066	29,057	6,027	9,701	5,916
Buildings	5,000	20,007	12,084	10,893	2,096	8,820	3,867
Other construction	3,169	6,458	1,982	18,164	3,931	881	2,049
Machinery and equipment	14,586	57,926	31,121	16,295	8,621	29,496	8,723
Production machinery and equipment	13,394	51,067	25,119	14,553	7,654	24,120	7,988
Other machinery and equipment	1,192	6,859	6,002	1,742	967	5,376	735
Used plant and equipment and land	1,421	7,805	7,434	1,201	934	3,178	804

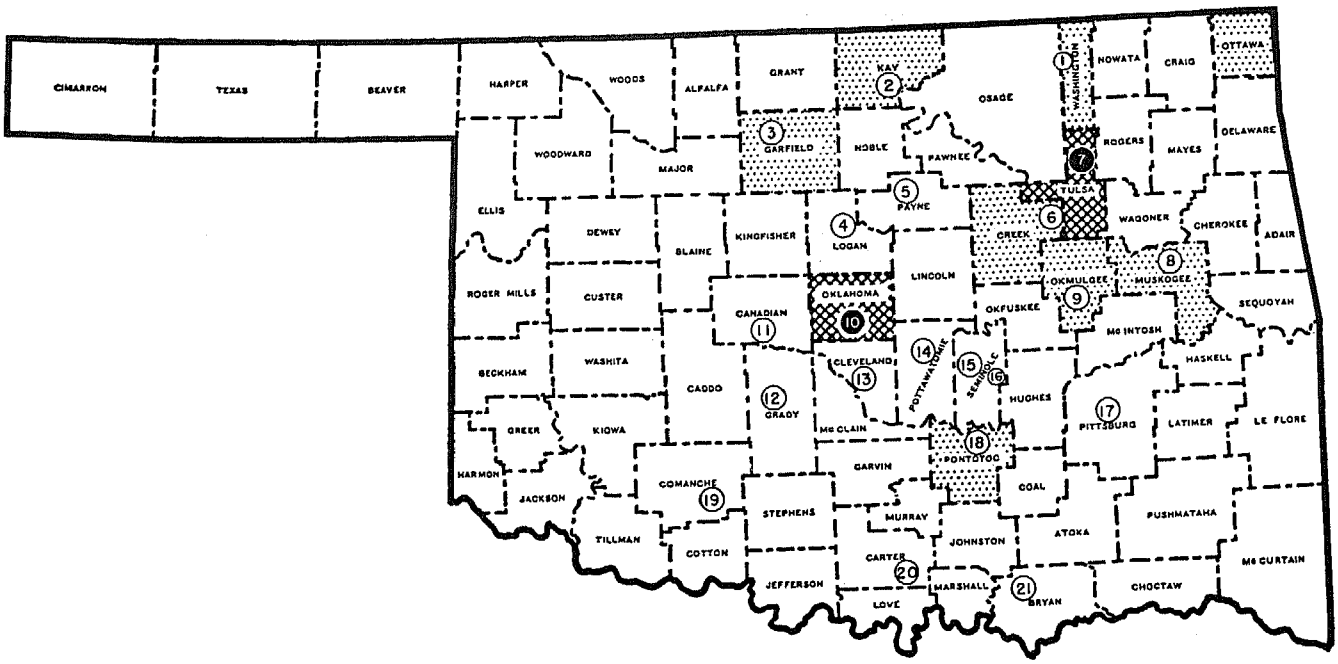
[1] The following principal industrial counties are coextensive with standard metropolitan areas, as indicated: *Franklin County*—Columbus Metropolitan Area; *Lucas County*—Toledo Metropolitan Area; *Stark County*—Canton Metropolitan Area; *Summit County*—Akron Metropolitan Area.

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	19,298	8,016	7,736	2,811	407	230	98	118	675
Van	1,584	----------	704	709	102	45	24	----------	----------
Stake or platform	5,053	702	2,878	1,158	178	104	33	----------	----------
Panel or light delivery	8,211	6,355	1,856	----------	----------	----------	----------	----------	----------
All other	4,450	959	2,298	944	127	81	41	----------	----------
Truck tractors	1,414	40	301	665	225	85	98	----------	----------
Trailers and semitrailers	1,937	----------	----------	----------	----------	----------	----------	185	43

OKLAHOMA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Ada	18
Ardmore	20
Bartlesville	1
Chickasha	12
Durant	21
El Reno	11
Enid	3
Guthrie	4
Lawton	19
McAlester	17
Muskogee	8
Norman	13
Oklahoma City	10
Okmulgee	9
Ponca City	2
Sapulpa	6
Seminole	15
Shawnee	14
Stillwater	5
Tulsa	7
Wewoka	16

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	1,740	55,403	$143,605	44,302	$105,277	$341,027
1939 [3]	1,530	37,585	47,170	27,642	29,957	101,782
1937	1,428	35,593	46,456	29,551	34,390	110,618
1935 [4]	1,335	29,655	34,643	24,349	24,521	77,418
1933	1,155	n.a.	n.a.	22,504	20,747	65,988
1931	1,322	n.a.	n.a.	22,576	26,271	68,373
1929	1,658	38,638	57,604	31,695	41,277	149,404
1927	1,373	n.a.	n.a.	27,932	35,785	102,300
1925	1,282	n.a.	n.a.	26,333	34,211	102,148
1923	1,242	n.a.	n.a.	25,489	33,069	84,946
1921	1,398	n.a.	n.a.	22,241	29,532	79,961
1919	2,316	35,445	46,234	29,048	34,423	87,551
1914	2,502	20,186	14,179	17,399	10,982	30,955
1909	2,310	15,336	9,285	13,143	7,240	19,530
1904	1,123	6,269	3,518	5,456	2,799	8,065
1899	495	2,650	1,113	2,381	894	2,703

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 $103.1 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 $78.8 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	**2,336,434**	**1,740**	**55,403**	**$143,605**	**44,302**	**$105,277**	**$341,027**	**1,530**	**27,642**	**$101,782**
COUNTIES										
Adair	15,755	7	133	135	121	116	218	4	39	32
Alfalfa	14,129	12	203	419	170	321	800	5	13	65
Atoka	18,702	5	40	57	32	43	137	12	76	109
Beaver	8,648	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Beckham	22,169	21	314	624	255	460	1,759	18	162	509
Blaine	18,543	10	399	965	307	703	3,486	11	163	950
Bryan	38,138	16	196	342	165	278	877	13	99	359
Caddo	41,567	22	318	(d)	281	(d)	(d)	20	192	(d)
Canadian	27,329	13	374	1,209	272	739	6,282	14	197	1,431
Carter	43,292	29	389	877	328	673	2,292	28	224	878
Cherokee	21,030	3	12	13	8	9	23	3	10	(d)
Choctaw	28,358	12	139	266	111	179	509	13	124	281
Cimarron	3,654	2	(d)	(d)	(d)	(d)	(d)			
Cleveland	27,728	12	133	299	91	198	468	12	59	231
Coal	12,811	1	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Comanche	38,988	32	460	(d)	312	(d)	(d)	18	161	(d)
Cotton	12,884	3	10	(d)	10	(d)	(d)	8	32	(d)
Craig	21,083	10	59	107	37	55	211	9	33	129
Creek	55,503	35	1,574	3,963	1,314	2,999	7,133	39	999	2,223
Custer	23,068	25	350	635	289	490	1,466	20	142	451
Delaware	18,592	5	15	15	13	13	46	1	(d)	(d)
Dewey	11,981	6	10	10	7	7	45	2	(d)	(d)
Ellis	8,466	5	13	(d)	12	(d)	(d)	2	(d)	(d)
Garfield	45,484	58	1,852	4,649	1,431	3,402	17,732	47	906	4,432
Garvin	31,150	16	237	588	195	458	1,454	13	52	204
Grady	41,116	32	438	905	352	679	1,760	24	272	674
Grant	13,128	7	102	(d)	77	(d)	(d)	8	22	(d)
Greer	14,550	8	73	136	59	106	256	8	50	102
Harmon	10,019	5	65	(d)	51	(d)	(d)	4	22	(d)
Harper	6,454	3	14	25	10	16	43	4	7	28
Haskell	17,324	4	18	26	15	21	54	5	29	42
Hughes	29,189	12	82	130	70	109	239	10	32	99
Jackson	22,708	16	248	550	178	354	1,117	13	215	537
Jefferson	15,107	5	14	29	10	21	69	6	18	75
Johnston	15,960	5	20	29	15	19	49	3	28	(d)

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.										
Kay	47,084	44	3,681	$10,530	3,289	$9,122	$24,612	46	1,761	$5,422
Kingfisher	15,617	7	147	(d)	108	(d)	(d)	7	71	(d)
Kiowa	22,817	11	112	253	85	166	442	7	86	145
Latimer	12,380	5	27	49	21	37	116	6	52	64
Le Flore	45,866	22	451	781	425	698	1,492	22	509	745
Lincoln	29,529	10	194	468	165	374	1,154	12	106	336
Logan	25,245	16	150	320	108	204	481	14	136	519
Love	11,433	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
McClain	19,205	3	18	34	15	26	75	7	37	79
McCurtain	41,318	18	938	1,693	884	1,570	3,326	15	1,183	1,680
McIntosh	24,097	4	12	19	8	11	58	4	7	26
Major	11,946	4	115	(d)	99	(d)	(d)	5	64	(d)
Marshall	12,384	2	(d)	(d)	(d)	(d)	(d)	4	(d)	(d)
Mayes	21,668	11	70	92	60	72	177	4	16	33
Murray	13,841	9	71	122	62	102	245	6	20	76
Muskogee	65,914	64	1,663	3,231	1,333	2,305	7,638	63	887	2,120
Noble	14,826	6	32	70	22	39	117	8	27	105
Nowata	15,774	7	92	168	51	115	456	8	42	120
Okfuskee	26,279	8	99	140	90	125	323	7	23	76
Oklahoma	244,159	346	13,273	35,622	9,903	23,251	71,998	306	5,979	24,965
Okmulgee	50,101	32	2,336	6,382	2,038	5,458	13,743	32	1,317	3,734
Osage	41,502	19	447	1,282	356	947	4,137	17	308	1,518
Ottawa	35,849	24	1,662	(d)	1,436	(d)	(d)	17	183	(d)
Pawnee	17,395	3	185	(d)	158	(d)	(d)	7	117	(d)
Payne	36,057	22	809	2,175	619	1,651	6,268	28	583	2,265
Pittsburg	48,985	30	400	788	297	510	2,019	23	167	615
Pontotoc	39,792	32	1,039	2,314	895	1,877	7,119	27	597	3,074
Pottawatomie	54,377	30	723	1,569	578	1,119	3,012	36	509	1,486
Pushmataha	19,466	13	116	130	109	116	222	10	254	292
Roger Mills	10,736	3	5	7	4	5	14	2	(d)	(d)
Rogers	21,078	7	55	100	32	60	117	9	24	80
Seminole	61,201	17	242	439	183	256	775	22	134	645
Sequoyah	23,138	5	132	(d)	115	(d)	(d)	2	(d)	(d)
Stephens	31,090	17	997	2,634	902	2,341	5,109	21	388	(d)
Texas	9,896	14	178	(d)	156	(d)	(d)	7	15	(d)
Tillman	20,754	10	152	(d)	121	(d)	(d)	10	132	(d)
Tulsa	193,363	342	14,756	42,057	11,527	29,565	96,462	252	6,313	26,167
Wagoner	21,642	6	77	91	68	78	247	3	7	38
Washington	30,559	22	1,296	3,303	1,106	2,701	6,544	19	957	4,498
Washita	22,279	7	41	72	29	49	242	6	24	58
Woods	14,915	13	169	333	144	275	672	12	80	367
Woodward	16,270	14	103	174	80	123	296	14	116	273
URBAN PLACES										
Ada	15,143	24	578	(d)	472	(d)	(d)	18	194	(d)
Ardmore	16,886	23	295	(d)	243	(d)	(d)	23	169	(d)
Bartlesville	16,267	15	305	(d)	194	(d)	(d)	14	218	(d)
Chickasha	14,111	21	326	727	250	520	1,442	19	258	639
Durant	10,027	15	(d)	(d)	(d)	(d)	(d)	13	(d)	(d)
El Reno	10,078	10	317	(d)	235	(d)	(d)	12	122	(d)
Enid	28,081	48	1,380	(d)	1,017	(d)	(d)	42	611	(d)
Guthrie	10,018	13	128	(d)	93	(d)	(d)	12	100	(d)
Lawton	18,055	29	448	(d)	302	(d)	(d)	16	156	(d)
McAlester	12,401	22	341	701	244	435	1,874	16	143	526
Muskogee	32,332	58	1,333	(d)	1,052	(d)	(d)	57	832	(d)
Norman	11,429	11	(d)	(d)	(d)	(d)	(d)	9	(d)	(d)
Oklahoma City	204,424	292	8,566	22,937	6,198	14,182	49,765	283	3,830	17,595
Okmulgee	16,051	16	581	(d)	445	(d)	(d)	16	173	(d)
Ponca City	16,794	21	390	873	300	637	1,788	22	113	552
Sapulpa	12,249	15	188	393	138	247	764	14	383	805
Seminole	11,547	8	70	133	39	66	263	10	68	384
Shawnee	22,053	26	672	(d)	534	(d)	(d)	30	437	(d)
Stillwater	10,097	13	229	(d)	149	(d)	(d)	13	144	(d)
Tulsa	142,157	275	7,940	22,027	5,820	14,382	43,685	200	2,790	12,407
Wewoka	10,315	5	103	201	85	114	364	5	21	94

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	**1,740**	**55,403**	**$143,605**	**44,302**	**94,660**	**$105,277**	**$341,027**	**$25,504**	**$12,252**	**$13,252**	**1,530**	**27,642**	**$101,782**
20	Food and kindred products	643	14,487	34,137	10,966	24,717	22,654	75,969	5,683	1,323	4,360	722	8,099	32,226
23	Apparel and related products	36	855	1,311	773	1,468	1,012	2,466	103	25	78	14	243	262
24	Lumber and products, except furniture	87	2,324	4,586	2,075	4,550	3,713	8,135	418	100	318	78	2,521	3,703
25	Furniture and fixtures	43	1,222	2,847	1,064	2,248	2,068	4,339	324	123	201	28	450	1,312
26	Paper and allied products	6	382	942	268	584	591	1,994	46	----------	46	6	193	622
27	Printing and publishing industries	374	5,057	13,056	3,057	6,204	7,369	27,542	1,162	454	708	299	2,108	11,554
28	Chemicals and allied products	76	1,589	4,097	1,207	3,061	2,806	12,127	984	230	754	68	946	3,575
29	Petroleum and coal products	40	7,489	23,477	6,352	13,103	19,340	79,875	7,916	6,444	1,472	34	4,324	18,525
31	Leather and leather products	6	17	25	15	32	19	44	----------	----------	----------	2	(d)	(d)
32	Stone, clay, and glass products	86	4,373	10,637	3,956	8,391	9,126	23,411	4,392	2,270	2,122	51	2,325	7,540
33	Primary metal industries	26	3,374	8,623	3,103	6,218	7,498	16,442	510	194	316	24	1,743	4,291
34	Fabricated metal products	89	3,521	9,686	2,722	5,691	6,338	18,862	874	368	506	47	1,396	5,767
35	Machinery (except electrical)	126	6,238	18,307	4,906	10,342	12,869	37,134	1,877	503	1,374	103	1,864	8,423
37	Transportation equipment	31	1,336	3,190	1,034	2,039	2,444	5,556	213	70	143	4	121	297
39	Miscellaneous manufactures	43	317	756	270	556	571	1,096	84	35	49	38	216	591
	All other major industry groups	28	2,822	7,928	2,534	5,456	6,859	26,035	918	113	805	12	(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	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			
	All industries, total [1]	**1,740**	**1,264**	**380**	**96**	**55,403**	**$143,605**	**27,642**	**44,302**	**$105,277**	**$341,027**	**$25,504**
20	Food and kindred products	643	479	150	14	14,487	34,137	8,099	10,966	22,654	75,969	5,683
201	Meat products	62	34	26	2	4,121	10,430	2,781	3,332	7,513	16,601	1,327
2011	Meat packing, wholesale	43	26	15	2	3,575	9,361	2,037	2,874	6,717	14,297	1,003
2013	Prepared meats	7	3	4	----------	165	397	(d)	139	307	1,205	24
2015	Poultry dressing, wholesale	12	5	7	----------	381	672	(d)	319	489	1,099	300
202	Dairy products	56	34	21	1	1,149	2,232	[2] 825	898	1,615	5,159	684
2021	Creamery butter	25	15	10	----------	536	988	573	419	703	2,395	209
2022	Natural cheese	11	6	5	----------	192	378	50	155	296	967	159
203	Canning, preserving, and freezing	20	10	10	----------	477	589	257	436	488	1,488	37
204	Grain-mill products	77	44	29	4	2,520	6,932	1,128	1,976	4,910	23,473	1,086
205	Bakery products	127	95	27	5	2,576	6,292	[2] 1,857	1,796	3,643	11,378	882
2071	Confectionery products	23	21	1	1	329	673	164	303	527	1,347	153
208	Beverages	111	99	12	----------	1,219	2,698	396	690	1,279	6,533	731
209	Miscellaneous food preparations	167	142	24	1	2,096	4,291	691	1,535	2,679	9,990	783
2097	Manufactured ice	126	111	15	----------	1,283	2,507	428	867	1,563	5,523	524
2099	Liquid, frozen, and dried eggs	6	1	4	1	387	617	----------	345	499	1,009	103
22	Textile mill products	1	----------	----------	1	(d)	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	36	22	13	1	855	1,311	243	773	1,012	2,466	103
232	Men's and boys' furnishings	9	2	6	1	509	735	(d)	468	585	1,272	21
239	Miscellaneous fabricated textiles	16	12	4	----------	216	422	31	178	282	877	38
2394	Canvas products	5	2	3	----------	120	252	(d)	91	140	417	17
24	Lumber and products, except furniture	87	63	20	4	2,324	4,586	2,521	2,075	3,713	8,135	418
2421	Sawmills and planing mills, general	39	32	6	1	535	863	(d)	510	803	1,491	109
243	Millwork and related products	29	18	9	2	1,091	2,563	285	915	1,854	4,091	246
2431	Millwork plants	24	16	7	1	870	1,844	(d)	781	1,539	3,406	211
2433	Prefabricated wood products	5	2	2	1	221	719	(d)	134	315	685	35
2499	Wood products, n.e.c.	11	10	1	----------	122	165	(d)	114	152	455	8
25	Furniture and fixtures	43	32	8	3	1,222	2,847	450	1,064	2,068	4,339	324
251	Household furniture	25	19	5	1	667	1,336	328	609	1,004	1,478	195
2515	Mattresses and bedsprings	13	11	2	----------	135	300	134	121	250	475	26
256	Screens, shades, and blinds	13	10	2	1	402	1,095	97	315	702	2,470	71
26	Paper and allied products	6	2	2	2	382	942	193	268	591	1,994	46
27	Printing and publishing industries	374	325	45	4	5,057	13,056	2,108	3,057	7,369	27,542	1,162
2711	Newspapers	197	171	24	2	3,127	7,930	1,353	1,686	4,205	17,161	544
2721	Periodicals	12	10	1	1	212	821	139	78	275	1,698	41
273	Books	4	2	2	----------	153	513	107	77	194	1,059	13
2751	Commercial printing	123	110	13	----------	1,078	2,570	392	824	1,841	4,399	420
2761	Lithographing	15	13	1	1	243	465	30	211	364	1,534	45
279	Printing trades service industries	14	12	2	----------	116	407	52	83	273	791	28

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			
28	Chemicals and allied products	76	44	31	1	1,589	$4,097	946	1,207	$2,806	$12,127	$984
288	Vegetable and animal oils	30	10	20	----------	848	1,848	680	702	1,417	5,283	415
2881	Cottonseed oil mills	18	3	15	----------	621	1,361	(d)	508	1,027	3,998	229
289	Miscellaneous chemical products	18	11	7	----------	291	827	122	210	586	2,705	328
29	Petroleum and coal products	40	13	12	15	7,489	23,477	4,324	6,352	19,340	79,875	7,916
2911	Petroleum refining	27	5	7	15	7,192	22,684	4,278	6,134	18,860	77,572	7,826
295	Paving and roofing materials	6	3	3	----------	137	357	(d)	122	288	1,054	49
2992	Lubricants, n.e.c.	7	5	2	----------	150	411	(d)	87	169	1,110	37
30	Rubber products	3	1	1	1	1,180	(d)	(d)	1,063	(d)	(d)	(d)
31	Leather and leather products	6	6	----------	----------	17	25	(d)	15	19	44	----------
32	Stone, clay, and glass products	86	57	17	12	4,373	10,637	2,325	3,956	9,126	23,411	4,392
322	Pressed and blown glassware	8	1	----------	7	1,706	4,094	912	1,566	3,476	7,924	1,145
3251	Brick and hollow tile	12	4	8	----------	413	789	268	380	694	1,476	(d)
327	Concrete and plaster products	48	39	8	1	819	1,836	280	743	1,487	5,008	749
33	Primary metal industries	26	8	13	5	3,374	8,623	1,743	3,103	7,498	16,442	510
332	Iron and steel foundries	13	4	8	1	694	1,635	----------	631	1,162	3,011	170
3333	Primary zinc	3	----------	----------	3	2,199	5,730	----------	2,055	5,246	11,311	220
34	Fabricated metal products	89	52	29	8	3,521	9,686	1,396	2,722	6,338	18,862	874
344	Structural metal products	58	31	19	8	2,910	8,341	1,292	2,265	5,313	16,248	772
3441	Structural and ornamental products	16	4	8	4	1,314	3,859	629	988	2,286	7,228	388
3443	Boiler shop products	19	5	10	4	1,518	4,120	605	1,154	2,770	8,548	368
3444	Sheet-metal work	23	22	1	----------	158	362	58	123	257	472	16
35	Machinery (except electrical)	126	84	23	19	6,238	18,307	1,864	4,906	12,869	37,134	1,877
353	Construction and mining machinery	35	21	1	13	3,838	11,912	1,184	3,019	8,302	24,641	1,252
356	General industrial machinery	27	13	11	3	1,045	3,103	354	890	2,198	5,919	369
3561	Pumps and compressors	11	4	5	2	686	1,844	321	526	1,177	3,663	168
3563	Conveyors	4	----------	3	1	250	716	----------	205	541	1,161	132
3569	General industrial machinery, n.e.c.	8	6	2	----------	122	412	(d)	107	377	951	66
358	Service and household machines	9	6	2	1	219	630	(d)	205	515	1,341	7
359	Miscellaneous machinery parts	27	19	7	1	613	1,847	161	484	1,172	3,456	166
3599	Machine shops	16	14	2	----------	143	342	(d)	131	291	659	10
36	Electrical machinery	5	3	----------	2	(d)	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	31	21	7	3	1,336	3,190	121	1,034	2,444	5,556	213
3713	Truck and bus bodies	12	6	5	1	512	1,440	(d)	352	991	2,145	47
38	Instruments and related products	19	12	6	1	453	(d)	14	341	(d)	(d)	(d)
39	Miscellaneous manufactures	43	40	3	----------	317	756	216	270	571	1,096	84
399	Miscellaneous manufactures	28	25	3	----------	228	585	175	194	444	857	52
3993	Signs and advertising displays	14	12	2	----------	108	316	45	90	247	465	50

[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	1,740	643		1	36	87	43	6	374	76	40	3	6	86	26	89	126	5	31	19	43
1–19 employees	1,264	479			22	63	32	2	325	44	13	1	6	57	8	52	84	3	21	12	40
20–99 employees	380	150			13	20	8	2	45	31	12	1		17	13	29	23		7	6	3
100 employees and over	96	14		1	1	4	3	2	4	1	15	1		12	5	8	19	2	3	1	
Adair:																					
1–19 employees	5	1				1			2	1											
20–99 employees	2	2																			
Alfalfa:																					
1–19 employees	8	4							3								1				
20–99 employees	4	2			1												1				
Atoka:																					
1–19 employees	5	2				2			1												
Beaver:																					
1–19 employees	2	1							1												
Beckham:																					
1–19 employees	16	8					1		5	1							1				
20–99 employees	5	3								1	1										
Blaine:																					
1–19 employees	7	4							3												
20–99 employees	2	2																			
100 employees and over	1													1							
Bryan:																					
1–19 employees	12	7				2				2				1							
20–99 employees	4	3							1												
Caddo:																					
1–19 employees	20	11							7		1						1				
20–99 employees	1									1											
100 employees and over	1										1										
Canadian:																					
1–19 employees	8	3							4					1							
20–99 employees	5	5																			
Carter:																					
1–19 employees	25	16			1		1	1	3							2					1
20–99 employees	3	1							1		1										
100 employees and over	1	1																			
Cherokee:																					
1–19 employees	3					1			2												
Choctaw:																					
1–19 employees	10	4							3	1									1		1
20–99 employees	2	1				1															
Cimarron:																					
1–19 employees	2	1							1												
Cleveland:																					
1–19 employees	10	5					1		2										2		
20–99 employees	2								2												
Coal:																					
1–19 employees	1								1												
Comanche:																					
1–19 employees	23	11			1	1	1		4	1	1			1		1					1
20–99 employees	9	4							2	1				1		1					
Cotton:																					
1–19 employees	3	2							1												
Craig:																					
1–19 employees	10	7							2					1							
Creek:																					
1–19 employees	25	13			1		1		5	2	1					1					1
20–99 employees	7	2			1						1			2		1					
100 employees and over	3										1			2							
Custer:																					
1–19 employees	20	10							6	1				2			1				
20–99 employees	5	3								1				1							
Delaware:																					
1–19 employees	5	1				1			2				1								
Dewey:																					
1–19 employees	6	2							4												
Ellis:																					
1–19 employees	5	3							2												
Garfield:																					
1–19 employees	37	17			2	1			7	2				2			4				2
20–99 employees	18	11			1				1						1	1	2		1		
100 employees and over	3	1									1						1				
Garvin:																					
1–19 employees	14	6							5	1						1					1
20–99 employees	1	1																			
100 employees and over	1										1										
Grady:																					
1–19 employees	25	14					1		6					1			2				1
20–99 employees	7	3							1	1						1			1		
Grant:																					
1–19 employees	5	2							2								1				
20–99 employees	2	1															1				
Greer:																					
1–19 employees	8	3							2	1				2							
Harmon:																					
1–19 employees	3	1							2												
20–99 employees	2	1								1											
Harper:																					
1–19 employees	3	1							2												
Haskell:																					
1–19 employees	4	2							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
Hughes:																					
1-19 employees	10	5					1		2					1		1					
20-99 employees	2						1		1												
Jackson:																					
1-19 employees	11	5				1	1		3	1											
20-99 employees	5	3							1	1											
Jefferson:																					
1-19 employees	5	2							3												
Johnston:																					
1-19 employees	5	3							1					1							
Kay:																					
1-19 employees	30	18				2			6					2			1		1		
20-99 employees	8	5							2						1						
100 employees and over	6										2			1	1		1		1		
Kingfisher:																					
1-19 employees	5	3							2												
20-99 employees	2	2																			
Kiowa:																					
1-19 employees	9	4							4					1							
20-99 employees	2	1								1											
Latimer:																					
1-19 employees	5					3			2												
Le Flore:																					
1-19 employees	15	7				3			4					1							
20-99 employees	6	2				4															
100 employees and over	1					1															
Lincoln:																					
1-19 employees	7	2							5												
20-99 employees	3									1	2										
Logan:																					
1-19 employees	14	4				2			3	1				1			1				2
20-99 employees	2								2												
Love:																					
1-19 employees	2	1							1												
McClain:																					
1-19 employees	3	2							1												
McCurtain:																					
1-19 employees	16	2				12			1												1
100 employees and over	2					2															
McIntosh:																					
1-19 employees	4	3							1												
Major:																					
1-19 employees	2	1							1												
20-99 employees	2	2																			
Marshall:																					
1-19 employees	2	1							1												
Mayes:																					
1-19 employees	10	4				1	1		2					1		1					
20-99 employees	1				1																
Murray:																					
1-19 employees	9	6							2					1							
Muskogee:																					
1-19 employees	46	20				3	3		11				1	3		2	1				2
20-99 employees	16	11			1	1			1	1		1									
100 employees and over	2													1		1					
Noble:																					
1-19 employees	6	3							2					1							
Nowata:																					
1-19 employees	5	3								1						1					
20-99 employees	2								1										1		
Okfuskee:																					
1-19 employees	7	5							2												
20-99 employees	1					1															
Oklahoma:																					
1-19 employees	230	47			12	4	13	1	60	13	6		4	6	3	14	22	1	6	3	15
20-99 employees	92	31			2	7	5	1	11	6	4			5	3	10	5				2
100 employees and over	24	10					3	1	2							3	3	1	1		
Okmulgee:																					
1-19 employees	22	10							4	1				2		1	1				3
20-99 employees	5	1				1			1						1	1					
100 employees and over	5										1			3	1						
Osage:																					
1-19 employees	16	7							7	2											
20-99 employees	1				1																
100 employees and over	2									1	1										
Ottawa:																					
1-19 employees	17	7					1		3	2				1		1	1		1		
20-99 employees	5	3							1								1				
100 employees and over	2				1							1									
Pawnee:																					
1-19 employees	2								2												
100 employees and over	1										1										
Payne:																					
1-19 employees	16	9							5	1									1		
20-99 employees	5	2							2		1										
100 employees and over	1										1										
Pittsburg:																					
1-19 employees	21	15				1			3						1	1					
20-99 employees	9	3			1	2			1	2											
Pontotoc:																					
1-19 employees	19	12				1			2					2			1		1		
20-99 employees	10	6						1	1	1				1							
100 employees and over	3										1			2							
Pottawatomie:																					
1-19 employees	24	14				2	1		3	1				2		1					
20-99 employees	5	2			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
Pushmataha:																					
1-19 employees	12	1				9			1					1							
20-99 employees	1					1															
Roger Mills:																					
1-19 employees	3	1							2												
Rogers:																					
1-19 employees	7	2							2	1						1				1	
Seminole:																					
1-19 employees	13	8							3					1			1				
20-99 employees	4				1				1	1				1							
Sequoyah:																					
1-19 employees	3	1				1			1												
20-99 employees	2					1								1							
Stephens:																					
1-19 employees	11	6							2		1					1	1				
20-99 employees	4	3							1												
100 employees and over	2										1						1				
Texas:																					
1-19 employees	10	6							4												
20-99 employees	4									3							1				
Tillman:																					
1-19 employees	8	5							3												
20-99 employees	2									1	1										
Tulsa:																					
1-19 employees	224	39			5	7	5		51	7	2	1		15	3	22	43	2	7	6	9
20-99 employees	87	22			1	1	2		7	7	1			5	6	14	11		4	5	1
100 employees and over	31	1		1		1		1	2		3			1	2	4	12	1	1	1	
Wagoner:																					
1-19 employees	4	2							2												
20-99 employees	2	2																			
Washington:																					
1-19 employees	15	6				1			3		1				1				1	2	
20-99 employees	4	1													1		1			1	
100 employees and over	3													1	1		1				
Washita:																					
1-19 employees	7	4							3												
Woods:																					
1-19 employees	10	5				1			3					1							
20-99 employees	3	2							1												
Woodward:																					
1-19 employees	12	6							4					2							
20-99 employees	2	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	**$143,605**	**55,403**	**53,450**	**51,779**	**51,729**	**52,010**	**52,023**	**52,321**	**52,719**	**53,412**	**54,380**	**54,457**	**55,576**	**55,285**	**55,703**
20	Food and kindred products	34,137	14,487	13,479	12,471	12,455	12,638	13,056	13,442	14,474	14,535	14,248	13,699	13,634	13,598	13,506
23	Apparel and related products	1,311	855	793	669	677	707	707	758	787	781	830	837	860	934	973
24	Lumber and products, exc. furniture	4,586	2,324	2,185	2,284	2,218	2,252	2,247	2,290	1,490	1,465	2,298	2,387	2,446	2,402	2,440
25	Furniture and fixtures	2,847	1,222	1,109	946	1,012	1,027	1,023	1,018	1,006	1,051	1,129	1,210	1,244	1,314	1,327
26	Paper and allied products	942	382	382	396	383	366	399	389	368	342	398	405	399	369	374
27	Printing and publishing industries	13,056	5,057	4,984	4,775	4,797	4,845	4,873	4,895	4,937	5,006	5,049	5,068	5,170	5,171	5,216
28	Chemicals and allied products	4,097	1,589	1,568	1,810	1,782	1,556	1,509	1,372	1,189	1,178	1,200	1,311	1,875	2,006	2,022
29	Petroleum and coal products	23,477	7,489	7,487	7,260	7,267	7,336	7,281	7,319	7,613	7,657	7,636	7,590	7,651	7,547	7,691
31	Leather and leather products	25	17	12	19	14	13	13	15	13	10	9	7	8	9	10
32	Stone, clay, and glass products	10,637	4,373	4,308	4,173	4,205	4,353	4,248	4,231	4,138	4,330	4,442	4,482	4,526	4,261	4,303
33	Primary metal industries	8,623	3,374	3,348	3,355	3,402	3,390	3,323	3,274	3,244	3,291	3,238	3,394	3,413	3,405	3,450
34	Fabricated metal products	9,686	3,521	3,378	3,218	3,329	3,322	3,332	3,206	3,190	3,253	3,348	3,465	3,585	3,633	3,649
35	Machinery (except electrical)	18,307	6,238	6,047	6,043	5,890	5,993	6,030	6,003	6,099	6,062	6,081	6,088	6,171	6,009	6,097
37	Transportation equipment	3,190	1,336	1,290	1,351	1,293	1,213	953	1,076	1,123	1,349	1,379	1,402	1,433	1,449	1,455
39	Miscellaneous manufactures	756	317	263	249	252	253	263	264	259	269	271	269	266	270	270
	All other major industry groups	7,928	2,822	2,817	2,760	2,753	2,741	2,766	2,769	2,789	2,833	2,824	2,843	2,895	2,908	2,920

TABLE 9.—DETAILED STATISTICS FOR THE STATE: 1947

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

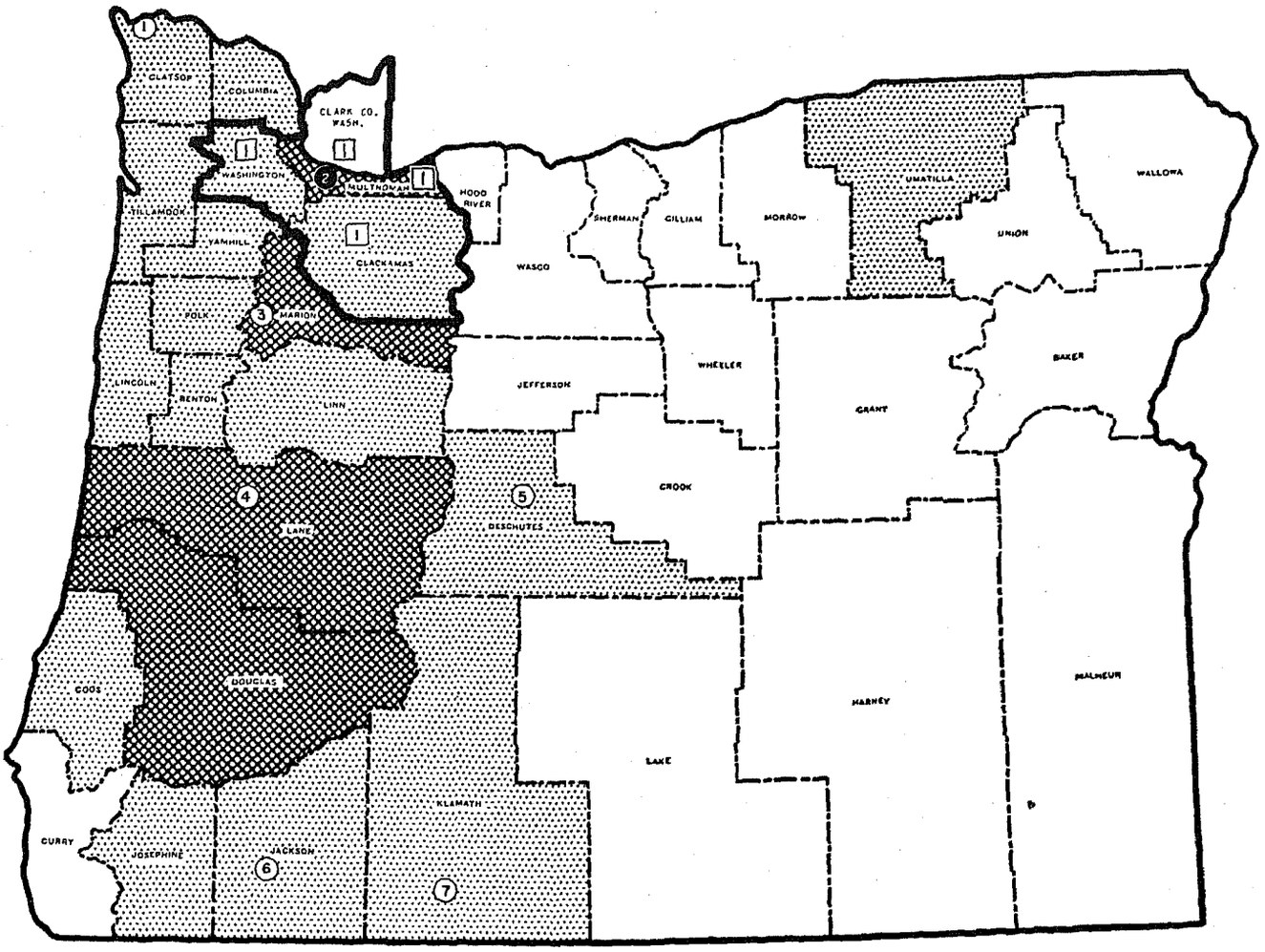
ITEM	Total for the State
ALL ESTABLISHMENTS	
Number of establishments	1,740
Number of employees (average for the year)	55,403
Salaries and wages, total	$143,605
Value added by manufacture	$341,027
Establishments by employment size group:	
1-4 employees	563
5-9 employees	406
10-19 employees	295
20-49 employees	274
50-99 employees	106
100-249 employees	55
250-499 employees	27
500-999 employees	9
1,000-2,499 employees	5
2,500 employees and over	----------
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	1,164
Number of employees (average for the year)	52,475
Salaries and wages, total	$138,550
Value added by manufacture	$330,893
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	54,539
Male	47,127
Female	7,412
Production workers	43,402
Male	38,527
Female	4,875
Force-account construction workers	115
Administrative, supervisory, sales, and all other	11,022
Male	8,485
Female	2,537
Expenditures for plant and equipment:	
New plant and equipment	$25,504
Construction and major alteration of fixed plants	12,252
Buildings	5,411
Other construction	6,841
Machinery and equipment	13,252
Production machinery and equipment	10,082
Other machinery and equipment	3,170
Used plant and equipment and land	10,031

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	3,373	1,434	1,498	362	32	20	27	42	118
Van	176	----------	77	80	8	2	9	----------	----------
Stake or platform	642	103	417	101	7	8	6	----------	----------
Panel or light delivery	1,304	970	334	----------	----------	----------	----------	----------	----------
All other	1,251	361	670	181	17	10	12	----------	----------
Truck tractors	357	3	75	191	50	24	14	----------	----------
Trailers and semitrailers	975	----------	----------	----------	----------	----------	----------	577	13

OREGON

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Astoria	1
Bend	5
Eugene	4
Klamath Falls	7
Medford	6
Portland	2
Salem	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
- STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES
- [I] PORTLAND AREA

Prepared by the Bureau of the Census, Department of Commerce

874424—50——33

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND THE PORTLAND 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	
OREGON						
1947	3,075	105,591	$317,827	92,144	$265,837	$675,017
1939 [3]	1,903	67,222	87,938	57,487	69,574	156,696
1937	2,107	73,033	94,162	65,982	79,492	169,057
1935 [4]	1,710	57,057	63,096	51,006	51,415	113,947
1933	1,358	n.a.	n.a.	41,052	34,787	86,553
1931	1,709	n.a.	n.a.	42,267	47,504	110,993
1929	2,463	73,865	106,242	65,505	86,829	206,542
1927	1,779	n.a.	n.a.	57,179	75,717	155,081
1925	1,908	n.a.	n.a.	59,579	78,209	159,340
1923	1,909	n.a.	n.a.	62,655	81,769	167,794
1921	1,730	n.a.	n.a.	40,167	49,395	99,994
1919	2,478	64,596	93,906	57,832	80,067	158,763
1914	2,265	33,033	26,387	28,644	20,754	46,116
1909	2,246	32,223	23,949	28,750	19,902	42,452
1904	1,602	20,292	13,576	18,523	11,444	24,928
1899	1,406	15,602	8,044	14,459	6,822	15,804
PORTLAND METROPOLITAN AREA [Consists of Clackamas, Multnomah, and Washington Counties, Oregon; Clark County, Washington]						
1947	1,297	51,643	$153,747	42,675	$119,893	$314,273
1939 [3]	943	28,398	38,224	25,017	30,679	79,875
1929 [5]	1,307	38,083	56,783	31,576	42,254	112,605
1919	1,129	n.a.	n.a.	38,075	54,862	111,892

n.a.—Not available.

[1] The 1939 and 1947 figures for the State and the 1947 figures for the Portland 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 $172.2 million for the State and $83.1 million for the Portland 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 $120.5 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 1929 figures for the Portland Metropolitan Area could not be adjusted to exclude data for "Railroad repair shops," "Manufactured gas," and other industries no longer classified as manufacturing, and therefore they are not entirely comparable with the figures for later years. (See footnote [4].) Also, they are not entirely comparable with the figures for 1919 because of the inclusion of data for the "Automobile repairing" industry in that year.

TABLE 2.—GENERAL STATISTICS FOR THE PORTLAND 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	**1,089,684**	**3,075**	**105,591**	**$317,827**	**92,144**	**$265,837**	**$675,017**	**1,903**	**57,487**	**$156,696**
STANDARD METROPOLITAN AREA										
Portland area, total	501,275	1,297	51,643	153,747	42,675	119,893	314,273	943	25,017	79,875
Portion in Oregon	451,423	1,201	45,025	133,682	36,900	103,111	261,527	881	21,405	67,357
Portion in Washington	49,852	96	6,618	20,065	5,775	16,782	52,746	62	3,612	12,518
COUNTIES										
Baker	18,297	31	628	1,763	552	1,518	3,678	25	466	1,335
Benton	18,629	64	1,195	3,365	1,101	3,029	8,168	38	608	1,182
Clackamas	57,130	156	4,120	12,203	3,727	10,730	26,315	67	1,828	5,340
Clatsop	24,697	55	3,176	8,423	2,830	7,282	17,673	44	2,217	6,304
Columbia	20,971	64	2,942	8,937	2,751	8,104	22,115	32	2,118	6,004
Coos	32,406	120	3,749	12,507	3,489	11,301	26,631	65	2,794	7,471
Crook	5,533	13	653	2,279	613	2,108	5,007	6	410	1,058
Curry	4,301	17	111	245	106	238	490	7	172	408
Deschutes	18,631	32	2,067	6,372	1,853	5,456	12,515	21	2,304	5,965
Douglas	25,728	190	5,296	17,077	4,879	15,303	38,162	44	939	1,947
Gilliam	2,844	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Grant	6,380	23	819	2,717	744	2,421	5,470	8	432	(d)
Harney	5,374	9	680	(d)	621	(d)	(d)	5	652	(d)
Hood River	11,580	26	629	1,863	594	1,741	3,957	17	499	859
Jackson	36,213	118	2,878	9,083	2,602	7,865	22,604	48	1,076	2,780

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE PORTLAND 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.										
Jefferson	2,042	3	168	(d)	150	(d)	(d)	1	(d)	(d)
Josephine	16,301	63	1,412	$4,087	1,300	$3,691	$8,534	23	175	$475
Klamath	40,497	55	2,971	9,326	2,683	7,994	20,232	57	4,873	13,886
Lake	6,293	13	497	1,737	448	1,530	4,086	15	462	1,095
Lane	69,096	300	8,721	26,945	7,903	23,727	59,346	139	4,384	8,403
Lincoln	14,549	62	1,840	5,272	1,752	4,878	10,912	18	860	1,737
Linn	30,485	146	4,571	14,315	4,213	12,770	32,799	59	1,265	2,759
Malheur	19,767	24	604	(d)	557	(d)	(d)	16	183	(d)
Marion	75,246	162	5,287	13,998	4,678	11,795	30,257	116	3,732	8,895
Morrow	4,337	6	153	522	148	479	1,665	4	20	36
Multnomah	355,099	978	39,235	116,984	31,659	88,479	225,166	770	18,392	59,650
Polk	19,989	43	2,110	6,509	1,897	5,745	15,007	38	1,558	3,399
Sherman	2,321	1	(d)	(d)	(d)	(d)	(d)			
Tillamook	12,263	48	1,186	3,748	1,077	3,264	6,336	34	402	1,100
Umatilla	26,030	42	2,000	5,609	1,802	4,937	12,281	36	790	2,261
Union	17,399	27	897	2,683	821	2,432	5,442	22	876	1,994
Wallowa	7,623	19	384	1,188	360	1,083	2,577	10	141	260
Wasco	13,069	17	444	1,170	408	1,064	2,641	20	295	781
Washington	39,194	67	1,670	4,495	1,514	3,902	10,046	44	1,185	2,367
Wheeler	2,974	6	519	1,751	484	1,543	3,715	5	343	(d)
Yamhill	26,336	73	1,974	5,696	1,825	4,975	13,413	48	1,003	1,638
URBAN PLACES										
Astoria	10,389	30	1,740	4,380	1,560	3,770	10,304	25	779	3,351
Bend	10,021	17	186	449	158	378	935	9	51	214
Eugene	20,838	63	1,426	3,767	1,170	2,954	8,188	44	887	2,140
Klamath Falls	16,497	32	776	2,386	660	1,908	5,413	28	1,182	2,797
Medford	11,281	27	401	1,317	306	927	2,346	22	188	544
Portland	305,394	887	33,803	101,058	27,081	75,583	195,164	712	15,715	52,858
Salem	30,908	75	3,523	9,585	3,066	7,892	20,916	61	2,265	5,893

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	**3,075**	**105,591**	**$317,827**	**92,144**	**182,229**	**$265,837**	**$675,017**	**$61,669**	**$23,435**	**$38,234**	**1,903**	**57,487**	**$156,696**
20	Food and kindred products	545	17,761	46,063	14,538	29,561	34,211	107,767	11,627	4,295	7,332	596	9,940	33,711
22	Textile mill products	22	3,066	7,551	2,631	5,298	5,856	12,825	860	299	561	19	1,783	4,514
23	Apparel and related products	42	1,883	4,282	1,636	3,172	3,252	7,893	117	22	95	41	1,538	2,912
24	Lumber and products, except furniture	1,390	51,532	164,203	48,082	94,117	147,956	363,561	29,817	11,509	18,308	532	31,621	70,182
25	Furniture and fixtures	64	3,472	9,953	3,215	6,292	8,504	15,300	592	136	456	42	2,526	5,685
26	Paper and allied products	38	4,551	14,348	4,034	8,295	12,263	34,653	5,879	1,801	4,078	29	3,060	10,802
27	Printing and publishing industries	298	4,493	13,576	2,404	4,606	7,643	24,311	4,786	2,544	2,242	256	1,734	9,979
28	Chemicals and allied products	69	1,155	3,490	792	1,595	2,164	11,750	2,296	569	1,727	47	295	1,735
30	Rubber products	5	123	356	102	198	251	587	25	10	15	2	(d)	(d)
31	Leather and leather products	26	335	868	292	549	670	1,370	93	37	56	22	202	447
32	Stone, clay, and glass products	108	1,172	3,391	1,033	2,088	2,886	6,536	1,848	484	1,364	49	532	1,650
33	Primary metal industries	52	3,002	8,946	2,560	4,930	7,513	19,782	618	275	343	24	529	2,010
34	Fabricated metal products	120	3,891	12,464	3,294	6,563	9,903	20,685	744	236	508	68	1,351	4,964
35	Machinery (except electrical)	129	3,817	12,453	3,030	6,049	9,463	19,463	587	121	466	70	1,145	4,274
36	Electrical machinery	25	880	2,464	774	1,558	1,979	5,039	354	165	189	14	100	283
37	Transportation equipment	45	2,804	8,646	2,333	4,499	7,600	13,481	486	330	156	27	439	1,007
39	Miscellaneous manufactures	77	1,082	3,010	937	1,875	2,395	5,110	172	14	158	46	478	1,772
	All other major industry groups	20	572	1,763	457	984	1,328	4,904	768	588	180	19	(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	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]	**3,075**	**2,105**	**737**	**233**	**105,591**	**$317,827**	**57,487**	**92,144**	**$265,837**	**$675,017**	**$61,669**
20	FOOD AND KINDRED PRODUCTS	545	350	154	41	17,761	46,063	9,940	14,538	34,211	107,767	11,627
201	Meat products	56	30	24	2	1,926	5,310	882	1,511	3,656	8,994	1,065
2011	Meat packing, wholesale	32	21	10	1	1,210	3,902	646	910	2,676	5,511	834
2013	Prepared meats	8	6	2	----	163	463	46	127	342	923	91
2015	Poultry dressing, wholesale	16	3	12	1	553	945	190	474	638	2,560	140
202	Dairy products	88	66	22	----	1,284	3,379	[2] 723	994	2,610	8,472	1,057
2021	Creamery butter	33	24	9	----	549	1,437	346	395	1,032	3,867	471
2022	Natural cheese	32	26	6	----	331	896	194	290	788	1,515	198
2023	Concentrated milk	6	3	3	----	129	375	105	112	321	1,337	85
203	Canning, preserving, and freezing	104	37	37	30	8,191	17,976	5,245	7,529	15,525	37,664	4,135
2031	Canned sea food	19	7	7	5	1,296	2,646	605	1,201	2,343	6,656	424
2033	Canning and preserving, except fish	50	15	19	16	4,581	10,583	3,755	4,200	9,167	20,592	2,933
2035	Pickles and sauces	10	6	4	----	239	534	125	223	438	904	121
204	Grain-mill products	73	51	18	4	1,789	5,721	925	1,350	4,132	16,692	1,299
2041	Flour and meal	17	7	7	3	895	3,192	557	673	2,347	11,674	450
205	Bakery products	87	48	36	3	2,574	7,859	[2] 1,407	1,745	4,558	13,484	1,325
208	Beverages	65	58	6	1	739	2,411	188	455	1,421	7,361	2,005
2097	Manufactured ice	19	15	4	----	245	635	75	200	501	1,576	284
2099	Food preparations, n.e.c.	21	18	3	----	344	1,036	1,357	204	457	2,838	171
21	TOBACCO MANUFACTURES	1	1	----	----	(d)	(d)	(d)	(d)	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	22	8	8	6	3,066	7,551	1,783	2,631	5,856	12,825	860
221	Woolen and worsted manufactures	10	1	4	5	1,555	3,886	1,278	1,434	3,354	7,407	257
23	APPAREL AND RELATED PRODUCTS	42	22	15	5	1,883	4,282	1,538	1,636	3,252	7,893	117
232	Men's and boys' furnishings	4	1	1	2	547	1,153	659	497	956	2,083	37
233	Women's and misses' outerwear	13	7	6	----	316	762	351	284	567	1,520	4
2335	Women's suits and coats	8	2	6	----	282	711	284	250	516	1,394	3
238	Miscellaneous apparel and accessories	3	----	2	1	315	649	196	275	555	945	40
239	Miscellaneous fabricated textiles	17	12	4	1	463	1,038	388	393	743	2,001	32
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	1,390	906	368	116	51,532	164,203	31,621	48,082	147,956	363,561	29,817
242	Lumber and timber basic products	1,239	826	319	94	42,893	136,740	27,886	40,154	123,946	304,946	26,601
2421	Sawmills and planing mills, general [3]	1,231	824	315	92	41,915	133,892	27,196	39,222	121,326	300,513	26,422
243	Millwork and related products	76	36	23	17	6,227	20,662	1,598	5,655	17,956	46,835	2,495
2432	Plywood plants	13	----	3	10	3,561	12,406	1,069	3,287	11,275	31,091	1,541
244	Wooden containers	26	12	11	3	1,300	3,606	1,647	1,224	3,161	5,859	268
249	Miscellaneous wood products	49	32	15	2	1,112	3,195	490	1,049	2,893	5,921	453
2491	Wood preserving	7	2	4	1	362	1,111	231	334	961	2,408	287
25	FURNITURE AND FIXTURES	64	42	14	8	3,472	9,953	2,526	3,215	8,504	15,300	592
251	Household furniture	36	22	7	7	2,985	8,398	2,042	2,793	7,198	12,773	519
2511	Wood house furniture, except upholst.	16	10	2	4	2,274	6,520	1,637	2,148	5,564	9,342	436
2512	Household furniture, upholstered	14	8	3	3	602	1,605	194	552	1,417	2,804	70
2541	Partitions and fixtures	17	12	4	1	365	1,243	120	323	1,059	2,045	39
26	PAPER AND ALLIED PRODUCTS	38	14	8	16	4,551	14,348	3,060	4,034	12,263	34,653	5,879
261	Pulp, paper, and paperboard	16	1	3	12	3,558	11,799	2,680	3,199	10,281	27,801	5,241
2611	Pulp mills	9	1	2	6	1,310	4,328	(d)	1,181	3,785	16,585	1,718
2612	Paper and board mills	7	----	1	6	2,248	7,471	(d)	2,018	6,496	11,216	3,523
27	PRINTING AND PUBLISHING INDUSTRIES	298	262	34	2	4,493	13,576	1,734	2,404	7,643	24,311	4,786
2711	Newspapers	105	84	19	2	2,879	8,598	1,004	1,261	4,243	15,685	(d)
2721	Periodicals	23	22	1	----	142	415	76	27	70	910	55
2751	Commercial printing	123	112	11	----	949	2,825	443	751	2,121	4,868	152
2761	Lithographing	9	6	3	----	222	794	(d)	180	597	1,111	100
279	Printing trades service industries	17	17	----	----	140	538	94	96	367	879	28
28	CHEMICALS AND ALLIED PRODUCTS	69	51	17	1	1,155	3,490	295	792	2,164	11,750	2,296
2851	Paints and varnishes	16	12	4	----	271	773	76	168	438	2,844	145
288	Vegetable and animal oils	11	7	4	----	178	535	106	146	426	3,197	160
289	Miscellaneous chemical products	22	18	4	----	292	854	50	157	421	2,616	409
2896	Compressed and liquefied gases	8	6	2	----	150	447	17	75	215	894	(d)
29	PETROLEUM AND COAL PRODUCTS	8	3	5	----	332	(d)	23	262	(d)	(d)	(d)
30	RUBBER PRODUCTS	5	3	2	----	123	356	(d)	102	251	587	25
31	LEATHER AND LEATHER PRODUCTS	26	21	5	----	335	868	202	292	670	1,370	93
314	Footwear (except rubber)	7	5	2	----	112	308	60	103	262	475	9
32	STONE, CLAY, AND GLASS PRODUCTS	108	93	13	2	1,172	3,391	532	1,033	2,886	6,536	1,848
325	Structural clay products	16	13	3	----	222	698	137	183	527	998	126
327	Concrete and plaster products	77	74	3	----	445	1,212	104	398	1,053	2,249	211
33	PRIMARY METAL INDUSTRIES	52	28	17	7	3,002	8,946	529	2,560	7,513	19,782	618
332	Iron and steel foundries	25	11	10	4	1,406	3,910	468	1,171	3,364	6,257	170
3321	Gray-iron foundries	20	11	6	3	675	1,913	173	613	1,708	2,937	59
3323	Steel foundries	5	----	4	1	731	1,997	295	558	1,656	3,320	111
3361	Nonferrous foundries	16	12	4	----	200	617	(d)	175	497	1,000	47
34	FABRICATED METAL PRODUCTS	120	80	31	9	3,891	12,464	1,351	3,294	9,903	20,685	744
342	Cutlery, hand tools, and hardware	20	13	7	----	351	1,118	40	284	796	2,208	52
3425	Hand saws and saw blades	4	1	3	----	110	349	(d)	82	242	511	18
343	Heating and plumbing equipment	12	7	3	2	562	1,730	307	451	1,331	2,533	177
344	Structural metal products	53	30	17	6	2,318	7,696	650	2,002	6,259	12,443	451
3441	Structural and ornamental products	12	5	5	2	780	2,682	173	672	2,191	3,591	80
3443	Boiler shop products	13	6	3	4	1,023	3,286	(d)	893	2,717	5,793	158
3444	Sheet-metal work	25	17	8	----	459	1,569	363	387	1,211	2,846	182
349	Miscellaneous fabricated metal products	8	5	3	----	121	350	(d)	97	243	538	11

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
35	MACHINERY (EXCEPT ELECTRICAL)	129	101	18	10	3,817	$12,453	1,145	3,030	$9,463	$19,463	$587
352	Tractors and farm machinery	14	11	3	----------	200	680	(d)	172	526	991	47
353	Construction and mining machinery	7	3	2	2	401	1,247	162	310	952	2,915	90
354	Metalworking machinery	8	6	1	1	201	577	88	155	425	953	13
355	Special-industry machinery, n.e.c.	46	36	8	2	956	3,192	186	813	2,497	4,621	185
3559	Special-industry machinery, n.e.c.	18	15	2	1	319	1,040	37	273	869	1,280	56
356	General industrial machinery	15	10	1	4	1,277	4,172	344	884	2,853	5,599	203
3565	Industrial trucks and tractors	5	2	----------	3	992	3,149	(d)	702	2,179	4,190	111
359	Miscellaneous machinery parts	32	28	3	1	726	2,432	327	645	2,073	4,112	45
3599	Machine shops	24	21	2	1	631	2,131	320	569	1,840	3,301	11
36	ELECTRICAL MACHINERY	25	18	4	3	880	2,464	100	774	1,979	5,039	354
3691	Storage batteries	7	6	1	----------	130	411	16	110	321	1,101	124
37	TRANSPORTATION EQUIPMENT	45	30	10	5	2,804	8,646	439	2,333	7,600	13,481	486
3715	Truck trailers	7	3	3	1	318	1,043	42	266	825	1,631	274
3732	Boat building and repairing	18	16	2	----------	151	436	n.a.	138	398	614	32
38	INSTRUMENTS AND RELATED PRODUCTS	11	9	1	1	(d)	(d)	(d)	(d)	(d)	(d)	(d)
39	MISCELLANEOUS MANUFACTURES	77	63	13	1	1,082	3,010	478	937	2,395	5,110	172
394	Toys and sporting goods	20	19	1	----------	208	359	103	194	317	729	29
399	Miscellaneous manufactures	42	31	10	1	749	2,339	330	635	1,806	3,897	107
3993	Signs and advertising displays	24	21	3	----------	298	974	104	236	701	1,471	42

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 Includes data for Shingle mills (industry 2423).

TABLE 5.—GENERAL STATISTICS FOR THE PORTLAND 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]	**1,297**	**51,643**	**$153,747**	**42,675**	**$119,893**	**$314,273**	**$36,254**
20	FOOD AND KINDRED PRODUCTS	229	8,658	24,089	6,583	16,325	52,790	6,401
201	Meat products	21	1,242	3,685	940	2,420	5,647	660
2011	Meat packing, wholesale	10	839	2,824	605	1,814	3,523	462
202	Dairy products	19	471	1,243	296	820	3,196	368
2021	Creamery butter	8	174	503	103	297	1,380	69
2024	Ice cream and ices	6	157	451	111	300	1,252	219
203	Canning, preserving, and freezing	37	2,692	5,940	2,472	5,198	12,267	862
2033	Canning and preserving, except fish	20	1,789	4,064	1,641	3,540	7,452	554
2037	Frozen foods	9	844	1,739	776	1,534	4,585	290
204	Grain-mill products	25	967	3,175	710	2,143	8,455	644
2041	Flour and meal	4	467	1,649	335	1,112	5,668	116
205	Bakery products	49	1,838	5,624	1,224	3,203	9,777	948
208	Beverages	24	628	2,194	368	1,246	7,049	2,529
2081	Bottled soft drinks	18	265	807	106	305	1,726	931
2097	Manufactured ice	9	113	347	89	261	793	78
21	TOBACCO MANUFACTURES	1	(d)	(d)	(d)	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	14	2,905	7,342	2,486	5,755	12,456	637
221	Woolen and worsted manufactures	6	1,563	4,049	1,438	3,523	7,939	203
23	APPAREL AND RELATED PRODUCTS	42	1,907	4,334	1,655	3,291	8,486	220
232	Men's and boys' furnishings	4	547	1,153	497	956	2,083	37
233	Women's and misses' outerwear	14	418	922	378	709	2,327	107
2335	Women's suits and coats	8	282	711	250	516	1,394	3
239	Miscellaneous fabricated textiles	17	463	1,038	393	743	2,001	32
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	255	9,101	27,682	8,471	24,281	58,611	3,149
242	Lumber and timber basic products	192	5,762	17,272	5,423	15,508	38,625	2,224
243	Millwork and related products	32	2,578	8,371	2,329	6,976	15,895	786
2431	Millwork plants	24	1,272	4,022	1,179	3,333	7,733	352
244	Wooden containers	10	491	1,243	472	1,132	2,613	57
249	Miscellaneous wood products	21	270	796	247	665	1,478	82
2499	Wood products, n.e.c.	18	156	429	141	357	778	45
25	FURNITURE AND FIXTURES	52	2,853	8,335	2,629	6,971	14,093	396
2512	Household furniture, upholstered	14	602	1,605	552	1,417	2,804	70
2541	Partitions and fixtures	11	309	1,075	274	919	1,848	16
26	PAPER AND ALLIED PRODUCTS	26	4,936	15,823	4,388	13,457	41,273	(d)
261	Pulp, paper, and paperboard	8	3,525	11,976	3,146	10,307	35,338	(d)
2611	Pulp mills	4	1,217	4,132	1,089	3,652	23,028	(d)
2612	Paper and board mills	4	2,308	7,844	2,057	6,655	12,310	(d)

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR THE PORTLAND 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
27	PRINTING AND PUBLISHING INDUSTRIES	178	3,387	$10,710	1,762	$5,860	$18,593	(d)
2721	Periodicals	23	127	383	12	34	862	$55
2751	Commercial printing	90	814	2,548	636	1,852	4,115	182
28	CHEMICALS AND ALLIED PRODUCTS	55	917	2,707	608	1,599	9,992	1,999
289	Miscellaneous chemical products	18	266	814	147	401	2,524	382
29	PETROLEUM AND COAL PRODUCTS	7	298	(d)	230	(d)	(d)	(d)
30	RUBBER PRODUCTS	5	123	356	102	251	587	25
31	LEATHER AND LEATHER PRODUCTS	18	235	594	208	447	899	87
32	STONE, CLAY, AND GLASS PRODUCTS	45	631	1,928	529	1,562	3,600	1,661
325	Structural clay products	6	119	409	90	278	442	63
3271	Concrete products	29	260	725	230	619	1,412	120
33	PRIMARY METAL INDUSTRIES	43	4,037	12,278	3,398	10,110	30,396	914
332	Iron and steel foundries	15	1,378	3,846	1,145	3,296	6,181	165
3321	Gray-iron foundries	9	608	1,732	551	1,540	2,735	54
3323	Steel foundries	6	770	2,114	594	1,756	3,446	111
3361	Nonferrous foundries	16	200	617	175	497	1,000	47
34	FABRICATED METAL PRODUCTS	103	3,691	11,910	3,116	9,427	19,783	683
342	Cutlery, hand tools, and hardware	16	293	962	232	659	1,901	43
3429	Hardware, n.e.c.	6	115	379	98	269	624	25
3439	Heating and cooking apparatus, n.e.c.	6	256	806	226	683	900	53
344	Structural metal products	43	2,238	7,454	1,932	6,056	12,104	443
3444	Sheet-metal work	19	429	1,464	360	1,121	2,693	180
349	Miscellaneous fabricated metal products	8	121	350	97	243	538	11
35	MACHINERY (EXCEPT ELECTRICAL)	98	3,367	11,082	2,633	8,319	17,053	533
352	Tractors and farm machinery	8	131	466	110	344	656	26
3531	Construction and mining machinery	4	377	1,175	291	896	2,676	71
354	Metalworking machinery	8	202	582	156	430	977	22
355	Special-industry machinery, n.e.c.	37	779	2,647	659	2,050	3,660	166
3553	Woodworking machinery	16	456	1,568	391	1,186	2,127	109
359	Miscellaneous machinery parts	22	669	2,269	589	1,927	3,690	35
3599	Machine shops	16	594	2,022	532	1,742	3,129	9
36	ELECTRICAL MACHINERY	23	813	(d)	714	(d)	(d)	(d)
361	Electrical industrial apparatus	9	331	835	275	643	1,222	102
37	TRANSPORTATION EQUIPMENT	32	2,641	8,120	2,190	7,156	12,901	460
371	Motor vehicles and equipment	16	405	1,293	345	1,018	2,143	321
373	Ships and boats	16	2,236	6,827	1,845	6,138	10,758	139
3731	Ship building and repairing	7	2,176	6,667	1,791	5,991	10,522	119
38	INSTRUMENTS AND RELATED PRODUCTS	10	(d)	(d)	(d)	(d)	(d)	(d)
39	MISCELLANEOUS MANUFACTURES	61	905	2,511	780	2,010	3,941	119
394	Toys and sporting goods	14	178	310	164	268	620	23
399	Miscellaneous manufactures	35	643	1,985	544	1,554	2,966	76
3981	Brooms and brushes	7	116	319	105	231	594	12
3993	Signs and advertising displays	19	254	835	201	617	1,285	37

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

[1] The Portland Metropolitan Area consists of Clackamas, Multnomah, and Washington Counties, Oregon; Clark County, Washington.

[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 MULTNOMAH 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]	**978**	**39,235**	**$116,984**	**31,659**	**$88,479**	**$225,166**	**$18,087**
20	Food and kindred products	179	6,877	19,906	5,081	12,950	43,399	4,594
201	Meat products	16	1,172	3,523	882	2,306	5,305	614
202	Dairy products	11	270	780	201	556	2,261	307
203	Canning, preserving, and freezing	24	1,476	3,358	1,348	2,897	6,601	348
204	Grain-mill products	18	923	3,051	674	2,047	8,249	611
205	Bakery products	45	1,819	5,574	1,212	3,173	9,715	948
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	11	2,369	(d)	1,995	(d)	(d)	(d)
23	Apparel and related products	40	1,629	(d)	1,428	(d)	(d)	(d)
232	Men's and boys' furnishings	4	547	1,153	497	956	2,083	37
239	Miscellaneous fabricated textiles	17	463	1,038	393	743	2,001	32
24	Lumber and products, except furniture	80	5,575	17,068	5,158	14,736	35,793	1,666
242	Lumber and timber basic products	28	2,798	8,376	2,616	7,365	18,200	947
25	Furniture and fixtures	49	2,835	8,299	2,612	6,939	14,070	395
254	Partitions and fixtures	11	309	1,075	274	919	1,848	16
26	Paper and allied products	15	551	1,651	460	1,242	3,714	484
27	Printing and publishing industries	154	3,149	10,058	1,620	5,470	17,678	(d)
275	Commercial printing	83	770	2,419	605	1,778	3,954	121
28	Chemicals and allied products	53	910	(d)	601	(d)	(d)	(d)
289	Miscellaneous chemical products	18	266	814	147	401	2,524	382

See footnotes at end of table

TABLE 6.—GENERAL STATISTICS FOR MULTNOMAH COUNTY, 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
29	Petroleum and coal products	7	298	(d)	230	(d)	(d)	(d)
30	Rubber products	5	123	$356	102	$251	$587	$25
31	Leather and leather products	16	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	28	404	1,334	309	983	2,364	266
327	Concrete and plaster products	17	161	488	136	397	1,042	65
33	Primary metal industries	38	2,893	(d)	2,464	(d)	(d)	(d)
34	Fabricated metal products	97	3,585	11,542	3,027	9,150	18,882	680
349	Miscellaneous fabricated metal products	8	121	350	97	243	538	11
35	Machinery (except electrical)	93	3,318	10,941	2,589	8,187	16,856	523
352	Tractors and farm machinery	8	131	466	110	344	656	26
36	Electrical machinery	22	806	(d)	707	(d)	(d)	(d)
37	Transportation equipment	26	2,564	7,936	2,118	6,984	12,587	449
38	Instruments and related products	10	237	(d)	192	(d)	(d)	(d)
39	Miscellaneous manufactures	54	885	2,464	762	1,971	3,836	115

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	3,075	545	1	22	42	1,390	64	38	298	69	8	5	26	108	52	120	129	25	45	11	77
1-19 employees	2,105	350	1	8	22	906	42	14	262	51	3	3	21	93	28	80	101	18	30	9	63
20-99 employees	737	154		8	15	368	14	8	34	17	5	2	5	13	17	31	18	4	10	1	13
100 employees and over	233	41		6	5	116	8	16	2	1				2	7	9	10	3	5	1	1
Baker:																					
1-19 employees	23	8				11			3					1							
20-99 employees	7	2				4								1							
100 employees and over	1					1															
Benton:																					
1-19 employees	47	5				34	1	1	4					2							
20-99 employees	15					13		1	1												
100 employees and over	2	1				1															
Clackamas:																					
1-19 employees	124	12		1		85	1		7	1			1	3	2	3	2		4		2
20-99 employees	23	1				17		1	2							1			1		
100 employees and over	9			1	1	2		4						1							
Clatsop:																					
1-19 employees	28	10				8			1	1				1	1	1	1		3		1
20-99 employees	15	9				2			1	1									2		
100 employees and over	12	7				5															
Columbia:																					
1-19 employees	46	3				36			3					1					1		2
20-99 employees	10	3				4		1			1		1								
100 employees and over	8					3		5													
Coos:																					
1-19 employees	97	14				69			6					1	2	1	2		2		
20-99 employees	15	3				11			1												
100 employees and over	8					7		1													
Crook:																					
1-19 employees	8	1				6			1												
20-99 employees	2					2															
100 employees and over	3					3															
Curry:																					
1-19 employees	16	2				13			1												
20-99 employees	1					1															
Deschutes:																					
1-19 employees	19	4				7			2	1				3	1						1
20-99 employees	11	2				5	1		1					1	1						
100 employees and over	2					2															
Douglas:																					
1-19 employees	141	9				116			6					5		1	1	1	1		1
20-99 employees	36	3				31			1												1
100 employees and over	13					13															
Gilliam:																					
1-19 employees	2								1								1				
Grant:																					
1-19 employees	17	4				12			1												
20-99 employees	4					3									1						
100 employees and over	2					2															
Harney:																					
1-19 employees	7	1				5			1												
20-99 employees	1					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
Hood River:																					
1-19 employees	19	4				6	1		2	1				1			2		1		1
20-99 employees	5					5															
100 employees and over	2	1				1															
Jackson:																					
1-19 employees	81	13				45	1	1	6	1				7		2	2		1		2
20-99 employees	33	7				24			1							1					
100 employees and over	4					3								1							
Jefferson:																					
1-19 employees	2					1			1												
100 employees and over	1					1															
Josephine:																					
1-19 employees	36	3				27			2					3	1						
20-99 employees	25	2				22			1												
100 employees and over	2					2															
Klamath:																					
1-19 employees	31	13				4	1		5					6			1				1
20-99 employees	17	3				11			1								2				
100 employees and over	7					7															
Lake:																					
1-19 employees	7	1				4			2												
20-99 employees	4					4															
100 employees and over	2					2															
Lane:																					
1-19 employees	195	24				130	2	1	13	3				6	2	4	6		1	1	2
20-99 employees	89	9		1		76			1							1	1				
100 employees and over	16	1				15															
Lincoln:																					
1-19 employees	48	4				36			4					2					1		1
20-99 employees	13	2				11															
100 employees and over	1					1															
Linn:																					
1-19 employees	97	9				68	1	1	9	1				4	1		2				1
20-99 employees	40	4		1		33		1	1												
100 employees and over	9					8		1													
Malheur:																					
1-19 employees	20	7				3			2	1				5		1	1				
20-99 employees	2	1				1															
100 employees and over	2	2																			
Marion:																					
1-19 employees	106	28		1		32	1		12	2			4	10	1	3	8				4
20-99 employees	43	12		4		16	1	1	3							3	1	1			1
100 employees and over	13	8		1		1		2		1											
Morrow:																					
1-19 employees	4	1				2			1												
20-99 employees	1					1															
100 employees and over	1					1															
Multnomah:																					
1-19 employees	654	105	1	6	22	38	31	10	137	37	3	3	13	19	16	63	70	16	14	8	42
20-99 employees	244	61		2	14	27	12	3	15	16	4	2	3	9	15	25	14	3	7	1	11
100 employees and over	80	13		3	4	15	6	2	2						7	9	9	3	5	1	1
Polk:																					
1-19 employees	28	3				18			3				2	1	1						
20-99 employees	10	2				8															
100 employees and over	5	1				3											1				
Sherman:																					
1-19 employees	1								1												
Tillamook:																					
1-19 employees	35	20				9			3					1			1				1
20-99 employees	10	3				7															
100 employees and over	3					3															
Umatilla:																					
1-19 employees	20	7				5			5	1				2							
20-99 employees	13	10				1			1				1								
100 employees and over	9	5		1		1	2														
Union:																					
1-19 employees	19	8				6			3					1					1		
20-99 employees	5	2				2			1												
100 employees and over	3					3															
Wallowa:																					
1-19 employees	13	2				8			2					1							
20-99 employees	5					5															
100 employees and over	1					1															
Wasco:																					
1-19 employees	11	2				7			2												
20-99 employees	5	3				2															
100 employees and over	1					1															
Washington:																					
1-19 employees	52	14				23	2		4				1	5		1		1			1
20-99 employees	11	3				6			1					1							
100 employees and over	4	2				2															
Wheeler:																					
1-19 employees	1					1															
20-99 employees	4					4															
100 employees and over	1					1															
Yamhill:																					
1-19 employees	50	9				31			6	1				2			1				
20-99 employees	18	7			1	8			1					1							
100 employees and over	5					4		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	**$317,827**	**105,591**	**103,587**	**94,798**	**94,427**	**95,897**	**99,266**	**102,170**	**106,350**	**109,140**	**116,758**	**115,653**	**108,611**	**101,097**	**98,878**
20	Food and kindred products	46,063	17,761	17,316	12,928	12,283	11,890	12,773	15,132	19,895	20,741	27,315	25,942	19,740	15,316	13,835
22	Textile mill products	7,551	3,066	3,066	3,570	3,650	3,532	3,399	3,130	2,793	2,745	2,564	2,811	2,842	2,819	2,933
23	Apparel and related products	4,282	1,883	1,822	1,807	1,790	1,775	1,805	1,726	1,724	1,827	1,879	1,880	1,864	1,896	1,887
24	Lumber and products, exc. furniture	164,203	51,532	51,306	45,561	46,114	47,833	50,078	51,843	52,316	54,025	55,171	55,189	54,685	51,764	51,088
25	Furniture and fixtures	9,953	3,472	3,239	3,001	2,885	2,961	3,054	3,105	3,136	3,147	3,315	3,611	3,556	3,538	3,559
26	Paper and allied products	14,348	4,551	4,549	4,452	4,391	4,379	4,359	4,390	4,516	4,720	4,719	4,557	4,680	4,605	4,720
27	Printing and publishing industries	13,576	4,493	4,408	4,250	4,308	4,369	4,351	4,394	4,390	4,370	4,452	4,497	4,495	4,490	4,530
28	Chemicals and allied products	3,490	1,155	1,120	1,022	1,052	1,109	1,096	1,149	1,134	1,166	1,188	1,178	1,119	1,124	1,101
30	Rubber products	356	123	119	142	141	99	105	108	114	120	130	132	125	106	106
31	Leather and leather products	868	335	319	325	307	322	318	320	302	329	324	306	326	328	325
32	Stone, clay, and glass products	3,391	1,172	1,107	946	1,008	1,056	1,082	1,142	1,131	1,162	1,170	1,168	1,165	1,134	1,121
33	Primary metal industries	8,946	3,002	2,916	2,773	2,877	2,965	2,986	2,919	2,777	2,991	2,980	2,970	2,939	2,925	2,895
34	Fabricated metal products	12,464	3,891	3,622	3,593	3,635	3,584	3,696	3,578	3,635	3,647	3,677	3,791	3,706	3,508	3,409
35	Machinery (except electrical)	12,453	3,817	3,612	3,732	3,742	3,764	3,910	3,721	3,467	3,437	3,438	3,486	3,524	3,562	3,560
36	Electrical machinery	2,464	880	839	677	760	795	870	876	866	861	858	875	872	867	897
37	Transportation equipment	8,646	2,804	2,741	4,634	3,990	3,910	3,880	3,152	2,679	2,376	2,088	1,683	1,432	1,619	1,455
39	Miscellaneous manufactures	3,010	1,082	930	863	959	1,029	977	918	880	882	940	926	976	926	887
	All other major industry groups	1,763	572	556	522	535	525	527	567	595	594	550	551	565	570	570

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

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

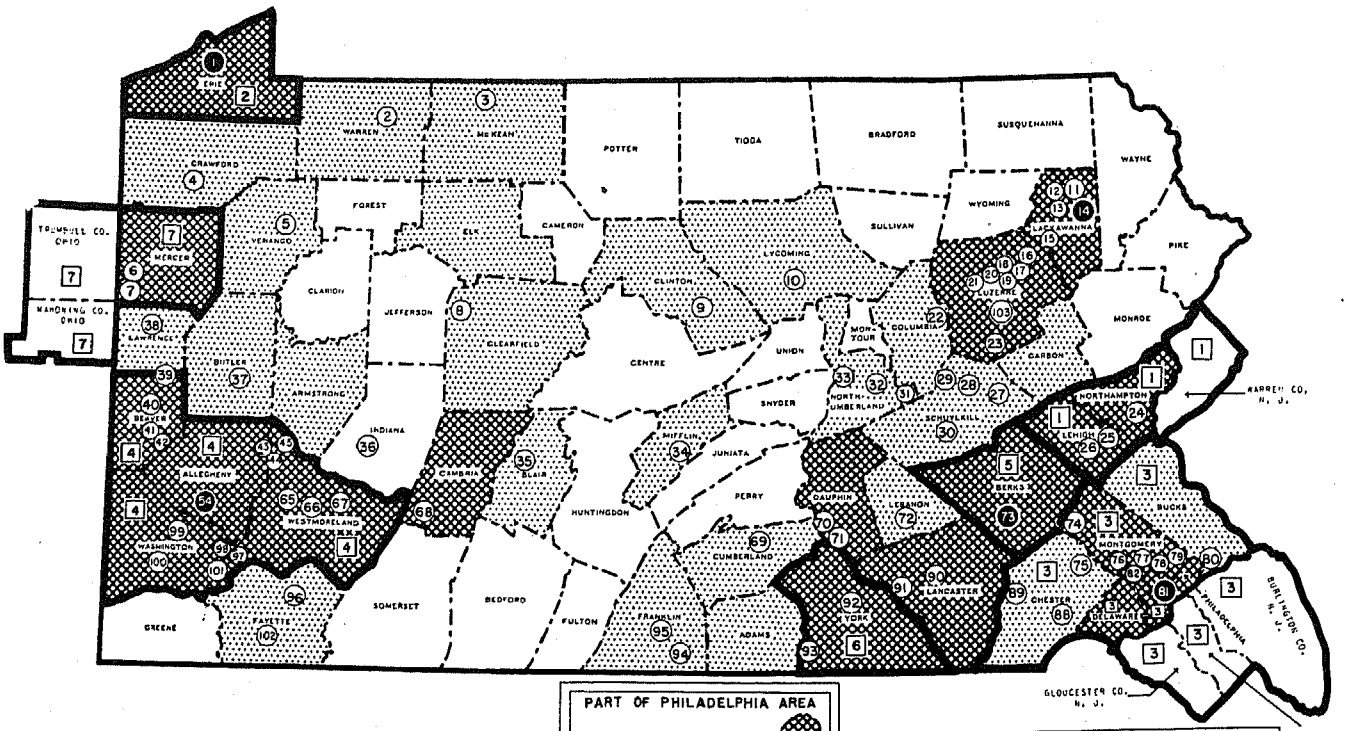
ITEM	Total for the State	Portland Metropolitan Area	Multnomah County
ALL ESTABLISHMENTS			
Number of establishments	3,075	1,297	978
Number of employees (average for the year)	105,591	51,643	39,235
Salaries and wages, total	$317,827	$153,747	$116,984
Value added by manufacture	$675,017	$314,273	$225,166
Establishments by employment size group:			
1–4 employees	944	403	284
5–9 employees	633	270	197
10–19 employees	528	215	173
20–49 employees	510	208	165
50–99 employees	227	96	79
100–249 employees	165	65	52
250–499 employees	38	18	12
500–999 employees	27	20	15
1,000–2,499 employees	3	2	1
2,500 employees and over	----------	----------	----------
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	2,092	907	709
Number of employees (average for the year)	100,886	49,651	37,757
Salaries and wages, total	$306,702	$148,940	$113,350
Value added by manufacture	$654,276	$304,816	$218,231
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	105,410	44,177	38,324
Male	89,313	34,754	29,881
Female	16,097	9,423	8,443
Production workers	92,164	36,320	30,990
Male	79,799	29,189	24,691
Female	12,365	7,131	6,299
Force-account construction workers	518	70	60
Administrative, supervisory, sales, and all other	12,728	7,787	7,274
Male	8,997	5,495	5,130
Female	3,731	2,292	2,144
Expenditures for plant and equipment:			
New plant and equipment	$61,669	$36,254	$18,087
Construction and major alteration of fixed plants	23,435	13,098	7,636
Buildings	17,801	12,093	6,746
Other construction	5,634	1,005	890
Machinery and equipment	38,234	23,156	10,451
Production machinery and equipment	30,792	20,489	8,344
Other machinery and equipment	7,442	2,667	2,107
Used plant and equipment and land	11,277	1,355	1,068

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	4,425	1,657	1,360	747	218	163	280	64	78
Van	545	----------	288	170	28	33	26	----------	----------
Stake or platform	1,073	114	507	301	72	45	34	----------	----------
Panel or light delivery	1,420	1,245	175	----------	----------	----------	----------	----------	----------
All other	1,387	298	390	276	118	85	220	----------	----------
Truck tractors	527	14	42	98	101	114	158	----------	----------
Trailers and semitrailers	582	----------	----------	----------	----------	----------	----------	36	7

PENNSYLVANIA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Abington	79	Duquesne	62	Norristown	76
Aliquippa	41	Easton	24	North Braddock	60
Allentown	26	Ellwood City	39	Oil City	5
Altoona	35	Erie	1	Old Forge	15
Ambridge	42	Farrell	7	Philadelphia	81
Arnold	43	Greensburg	66	Phoenixville	75
Beaver Falls	40	Hanover	93	Pittsburgh	54
Bellevue	49	Hanover twp	103	Pittston	16
Berwick	22	Harrisburg	70	Plains	17
Bethlehem	25	Harrison	46	Plymouth	20
Braddock	61	Haverford	83	Pottstown	74
Bradford	3	Hazleton	23	Pottsville	30
Bristol	80	Homestead	56	Reading	73
Butler	37	Indiana	36	Scranton	14
Canonsburg	99	Jeannette	65	Shaler	55
Carbondale	11	Johnstown	68	Shamokin	32
Carlisle	69	Kingston	18	Sharon	6
Carnegie	51	Lancaster	90	Shenandoah	29
Chambersburg	95	Lansdowne	85	Steelton	71
Charleroi	101	Latrobe	67	Stowe	48
Cheltenham	78	Lebanon	72	Sunbury	33
Chester	87	Lewistown	34	Swissvale	58
Clairton	63	Lock Haven	9	Tamaqua	27
Coatesville	89	Lower Merion	82	Uniontown	102
Columbia	91	Mahanoy City	28	Upper Darby	84
Connellsville	96	McKeesport	64	Vandergrift	45
Conshohocken	77	McKees Rocks	50	Warren	2
Coraopolis	47	Meadville	4	Washington	100
Darby	86	Monessen	97	Waynesboro	94
Dickson City	12	Mount Carmel	31	West Chester	88
Donora	98	Mount Lebanon	53	Wilkes-Barre	19
Dormont	52	Munhall	59	Wilkinsburg	57
DuBois	8	Nanticoke	21	Williamsport	10
Dunmore	13	New Castle	38	York	92
		New Kensington	44		

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. ALLENTOWN-BETHLEHEM-EASTON AREA
2. ERIE AREA
3. PHILADELPHIA AREA
4. PITTSBURGH AREA
5. READING AREA
6. YORK AREA
7. YOUNGSTOWN 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	
	PENNSYLVANIA					
1947	16,789	1,439,534	$3,918,901	1,219,426	$3,053,879	$6,946,958
1939 [3]	13,116	1,015,773	1,356,236	853,371	997,582	2,476,862
1937	13,084	1,076,958	1,459,971	954,340	1,176,957	2,664,410
1935 [4]	12,926	919,921	1,046,562	814,670	816,022	1,870,467
1933	12,093	n.a.	n.a.	716,598	599,591	1,454,489
1931	14,774	n.a.	n.a.	778,735	845,607	1,991,215
1929	16,947	1,154,910	1,749,287	1,014,046	1,379,444	3,430,606
1927	17,314	n.a.	n.a.	987,414	1,315,993	2,987,502
1925	17,298	n.a.	n.a.	999,460	1,324,481	3,011,248
1923	19,054	n.a.	n.a.	1,095,057	1,434,963	3,061,178
1921	20,290	n.a.	n.a.	863,917	1,006,856	2,098,250
1919	26,614	1,290,204	1,732,913	1,130,612	1,399,201	3,092,976
1914	27,251	1,030,733	671,103	922,875	526,668	1,140,995
1909	27,563	972,428	566,524	877,543	455,627	1,044,182
1904	23,495	829,363	441,230	763,282	367,961	812,609
1899	23,462	707,895	343,022	663,960	296,877	691,581
	ALLENTOWN-BETHLEHEM-EASTON METROPOLITAN AREA [Consists of Lehigh and Northampton Counties, Pennsylvania; Warren County, New Jersey]					
1947	898	88,539	$222,094	76,285	$177,416	$360,314
1939 [3]	662	67,583	80,781	59,181	62,891	158,236
1929 [5]	783	72,461	107,132	64,919	86,508	216,477
1919	1,169	n.a.	n.a.	64,972	72,379	180,335
	ERIE METROPOLITAN AREA [Consists of Erie County, Pennsylvania]					
1947	368	46,285	$134,693	38,076	$103,640	$224,906
1939 [3]	296	22,794	33,380	19,216	24,985	72,110
1929 [5]	366	27,352	45,082	23,022	33,568	91,258
1919	455	n.a.	n.a.	22,944	28,990	70,441
	PHILADELPHIA METROPOLITAN AREA [Consists of Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania; Burlington, Camden, and Gloucester Counties, New Jersey]					
1947	7,399	532,492	$1,530,946	437,553	$1,140,317	$2,803,106
1939 [3]	5,756	393,561	555,590	320,627	385,782	1,037,292
1929 [5]	7,136	428,914	663,047	367,784	497,430	1,396,529
1919	11,673	n.a.	n.a.	465,487	567,866	1,303,034
	PITTSBURGH METROPOLITAN AREA [Consists of Allegheny, Beaver, Washington, and Westmoreland Counties, Pennsylvania]					
1947	2,228	337,974	$1,023,913	284,017	$807,132	$1,707,918
1939 [3]	1,905	229,353	357,044	191,278	270,370	640,908
1929 [5]	2,544	248,607	423,336	216,481	338,023	835,162
1919	3,796	n.a.	n.a.	244,991	366,325	803,556
	READING METROPOLITAN AREA [Consists of Berks County, Pennsylvania]					
1947	617	53,423	$136,503	46,756	$111,376	$230,962
1939 [3]	493	46,124	53,975	40,537	41,612	83,782
1929 [5]	567	47,525	67,817	43,487	56,302	117,936
1919	1,031	n.a.	n.a.	41,072	39,910	81,355
	YORK METROPOLITAN AREA [Consists of York County, Pennsylvania]					
1947	597	41,932	$100,709	35,569	$76,540	$189,357
1939 [3]	455	29,909	30,224	27,114	24,246	66,435
1929 [5]	586	33,480	37,891	30,331	29,934	88,991
1919	1,023	n.a.	n.a.	27,117	23,680	57,243
	YOUNGSTOWN METROPOLITAN AREA [Consists of Mercer County, Pennsylvania; Mahoning and Trumbull Counties, Ohio]					
1947	552	108,654	$330,825	94,263	$273,621	$567,307
1939 [3]	429	69,461	110,720	63,010	94,861	200,320
1929 [5]	496	74,600	139,583	66,515	118,047	273,627
1919	764	n.a.	n.a.	63,830	114,650	208,200

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and for the Allentown-Bethlehem-Easton, Philadelphia, Pittsburgh, and Reading Metropolitan Areas, and the 1947 figures for the Erie, York, and Youngstown 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 $2,489.1 million for the State, $161.2 million for the Allentown-Bethlehem-Easton Metropolitan Area, $72.2 million for the Erie Metropolitan Area, $1,040.7 million for the Philadelphia Metropolitan Area, $643.2 million for the Pittsburgh Metropolitan Area, $84.0 million for the Reading Metropolitan Area, $66.8 million for the York Metropolitan Area, and $200.6 million for the Youngstown 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 $1,961.0 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 Philadelphia, Pittsburgh, and Reading 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 $1,431.5 million for the Philadelphia Metropolitan Area, $856.7 million for the Pittsburgh Metropolitan Area, and $124.8 million for the Reading Metropolitan Area. For the Allentown-Bethlehem-Easton, Erie, York, and Youngstown 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 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	9,900,180	16,789	1,439,534	$3,918,901	1,219,426	$3,053,879	$6,946,956	13,116	853,371	$2,476,862
STANDARD METROPOLITAN AREAS										
Allentown-Bethlehem-Easton area, total	396,673	898	88,539	222,094	76,285	177,416	360,314	662	59,181	158,236
Portion in Pennsylvania	346,492	809	79,496	196,844	68,935	158,621	319,248	595	53,744	138,855
Portion in New Jersey	50,181	89	9,043	25,250	7,350	18,795	41,066	67	5,437	19,381
Erie area	180,889	368	46,285	134,693	38,076	103,640	224,906	296	19,216	72,110
Philadelphia area, total	3,199,637	7,399	532,492	1,530,946	437,553	1,140,317	2,803,106	5,756	320,627	1,037,292
Portion in Pennsylvania	2,774,678	6,730	468,475	1,343,209	385,572	1,000,679	2,467,684	5,291	277,583	886,325
Portion in New Jersey	424,959	669	64,017	187,737	51,981	139,638	335,422	465	43,044	150,967
Pittsburgh area	2,082,556	2,228	337,974	1,023,913	284,017	807,132	1,707,918	1,905	191,278	640,908
Reading area	241,884	617	53,423	136,503	46,756	111,376	230,962	493	40,537	83,782
York area	178,022	597	41,932	100,709	35,569	76,540	189,357	455	27,114	66,435
Youngstown area, total	473,605	552	108,654	330,825	94,263	273,621	567,307	429	63,010	200,320
Portion in Pennsylvania	101,039	116	20,639	65,231	17,096	51,985	121,530	96	10,765	32,748
Portion in Ohio	372,566	436	88,015	265,594	77,167	221,636	445,777	333	52,245	167,572
COUNTIES										
Adams	39,435	89	5,114	9,148	4,680	7,844	17,229	69	4,166	6,949
Allegheny	1,411,539	1,581	222,506	675,249	184,144	520,470	1,139,168	1,397	123,673	425,145
Armstrong	81,087	67	7,534	20,540	6,617	17,437	74,448	48	4,040	14,994
Beaver	156,754	183	44,428	139,756	38,900	116,456	233,149	157	26,636	88,483
Bedford	40,809	48	885	1,490	828	1,349	2,338	35	382	667
Berks	241,884	617	53,423	136,503	46,756	111,376	230,962	493	40,537	83,782
Blair	140,358	117	8,423	18,965	7,443	15,676	33,152	101	4,988	(d)
Bradford	50,615	73	4,005	9,844	3,266	7,174	17,937	40	2,372	5,910
Bucks	107,715	322	17,136	45,395	14,445	34,964	73,685	184	10,898	26,320
Butler	87,590	106	9,530	28,184	8,213	22,887	45,466	79	4,775	15,254
Cambria	213,459	148	22,249	60,400	20,002	51,563	95,796	131	14,180	36,129
Cameron	6,852	11	1,806	4,237	1,462	3,213	5,216	4	1,696	(d)
Carbon	61,735	83	7,360	15,917	6,252	12,238	34,515	58	5,430	(d)
Centre	52,608	59	4,029	9,452	3,527	7,532	17,816	50	2,397	5,321
Chester	135,626	206	18,449	52,172	15,453	39,430	93,100	172	10,560	25,624
Clarion	38,410	62	1,972	4,961	1,735	4,145	10,698	38	910	3,296
Clearfield	92,094	100	5,060	11,298	4,520	9,733	20,350	69	2,961	6,462
Clinton	34,557	52	5,430	12,384	4,768	10,031	26,452	41	3,273	7,324
Columbia	51,413	94	9,541	21,965	8,073	17,170	45,428	75	5,436	9,122
Crawford	71,644	94	10,378	28,044	8,385	20,510	50,083	70	5,825	16,520
Cumberland	74,806	131	7,695	15,674	6,946	12,968	30,278	107	5,905	10,784
Dauphin	177,410	236	23,189	57,544	19,967	45,585	114,307	242	15,643	49,474
Delaware	310,756	310	47,255	148,016	38,257	112,015	257,820	200	26,491	95,445
Elk	34,443	51	6,839	17,493	5,953	13,959	28,607	42	3,351	9,793
Erie	180,889	368	46,285	134,693	38,076	103,640	224,906	296	19,216	72,110
Fayette	200,999	177	9,576	24,459	8,592	21,205	48,939	115	3,857	9,767
Forest	5,791	11	613	(d)	588	(d)	(d)	4	421	(d)
Franklin	69,378	95	9,204	20,850	8,039	16,749	34,856	94	5,936	15,955
Fulton	10,673	18	80	(d)	79	(d)	(d)	12	35	(d)
Greene	44,671	23	305	675	260	571	1,177	14	106	265
Huntingdon	41,836	65	3,938	8,395	3,513	7,178	13,440	41	2,106	3,607
Indiana	79,854	74	1,991	4,729	1,599	3,445	7,729	39	645	1,739
Jefferson	54,090	81	3,413	7,104	3,026	5,904	14,747	48	1,351	3,641
Juniata	15,373	33	803	1,176	782	1,124	1,854	22	611	578
Lackawanna	301,243	394	24,879	50,705	22,018	40,615	83,654	264	12,316	24,954
Lancaster	212,504	553	38,707	93,251	33,526	72,626	177,087	424	27,652	65,626
Lawrence	96,877	113	16,557	47,868	14,360	38,977	77,733	86	9,576	25,330
Lebanon	72,641	169	13,391	30,374	11,904	25,047	49,441	154	10,867	17,428
Lehigh	177,533	460	35,732	86,471	30,537	68,970	148,402	335	22,402	46,064
Luzerne	441,518	465	35,608	73,279	31,904	60,527	126,075	293	18,936	40,757
Lycoming	93,633	223	15,335	35,890	13,202	27,761	58,645	150	9,269	22,102
McKean	56,673	93	6,271	15,625	5,240	11,893	33,089	88	3,765	12,363
Mercer	101,039	116	20,639	65,231	17,096	51,985	121,530	96	10,765	32,748
Mifflin	42,993	47	7,243	19,840	6,339	16,546	32,055	37	5,590	12,446
Monroe	29,802	66	3,605	8,711	3,171	7,000	16,937	53	1,898	4,899
Montgomery	289,247	648	57,005	165,442	49,058	131,971	283,815	493	34,097	89,159
Montour	15,466	21	1,225	2,752	1,142	2,414	3,758	13	624	1,299
Northampton	168,959	349	43,764	110,373	38,398	89,651	170,846	260	31,342	92,791
Northumberland	126,887	143	13,474	29,775	11,980	24,259	51,416	119	6,673	12,157
Perry	23,213	46	913	1,540	874	1,454	3,351	33	568	786
Philadelphia [1]	1,931,334	5,244	328,630	932,184	268,359	682,299	1,759,264	4,242	195,537	649,777
Pike	7,452	14	165	376	160	309	655	6	92	190
Potter	18,201	31	1,033	2,038	958	1,746	2,765	25	922	1,746
Schuylkill	228,331	244	16,699	30,515	15,252	25,654	49,863	199	8,504	14,810
Snyder	20,208	38	1,465	2,486	1,390	2,216	4,724	33	1,009	1,231

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				
COUNTIES—Continued										
Somerset	84,957	78	1,103	$1,742	985	$1,528	$3,063	53	384	$953
Sullivan	7,504	16	389	658	382	637	1,050	5	280	775
Susquehanna	33,893	33	1,038	2,004	951	1,765	3,724	27	404	801
Tioga	35,004	46	3,456	8,594	3,255	7,853	20,223	29	1,939	6,610
Union	20,247	29	1,425	2,486	1,320	2,168	3,895	31	956	1,476
Venango	63,958	101	8,576	22,371	7,171	17,737	49,414	64	3,620	11,236
Warren	42,789	80	5,070	13,557	4,282	10,469	24,540	56	2,631	8,869
Washington	210,852	151	21,727	62,302	18,914	52,192	101,574	119	14,451	44,508
Wayne	29,934	55	1,973	3,538	1,829	2,977	6,237	39	1,452	2,178
Westmoreland	303,411	313	49,313	146,606	42,059	118,014	234,027	232	26,518	82,772
Wyoming	16,702	25	748	1,247	695	1,133	2,816	16	409	1,077
York	178,022	597	41,932	100,709	35,569	76,540	189,357	455	27,114	66,435
URBAN PLACES										
Abington	20,857	1	(d)	(d)	(d)	(d)	(d)	n.a.	n.a.	n.a.
Aliquippa	27,023	15	11,875	(d)	10,356	(d)	(d)	15	9,170	(d)
Allentown	96,904	297	24,204	61,051	20,855	49,476	103,876	221	16,200	33,110
Altoona	80,214	62	4,837	10,847	4,222	8,697	18,549	59	2,723	6,651
Ambridge	18,968	12	7,946	24,513	7,046	21,134	41,733	18	3,647	9,933
Arnold	10,898	7	3,380	(d)	2,694	(d)	(d)	9	1,291	(d)
Beaver Falls	17,098	32	2,601	7,390	2,256	6,008	13,632	29	1,707	5,208
Bellevue	10,488	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Berwick	13,181	25	5,705	13,837	4,601	10,412	26,909	22	2,423	3,749
Bethlehem	58,490	98	24,690	67,548	20,961	52,869	93,068	73	15,359	(d)
Braddock	18,326	20	1,203	3,104	947	2,397	4,943	22	591	1,762
Bradford	17,691	33	2,615	7,366	2,018	5,157	14,412	36	984	5,573
Bristol	11,895	34	5,053	15,110	3,833	10,301	24,837	20	2,396	8,511
Butler	24,477	34	3,428	9,575	2,935	7,680	17,040	32	1,358	4,127
Canonsburg	12,599	19	2,508	6,598	2,184	5,172	10,582	13	2,892	(d)
Carbondale	19,371	29	1,551	2,737	1,367	2,137	4,515	17	657	1,332
Carlisle	13,984	38	3,800	8,214	3,396	6,816	16,789	32	2,596	6,027
Carnegie	12,663	16	818	2,885	673	2,051	5,382	19	669	3,415
Chambersburg	14,852	38	3,778	7,394	3,420	6,049	10,613	31	2,212	6,222
Charleroi	10,784	10	1,900	(d)	1,564	(d)	(d)	7	1,133	(d)
Cheltenham	19,082	6	232	512	206	367	883	5	204	343
Chester	59,285	80	9,442	27,159	8,026	21,112	61,940	65	11,906	47,112
Clairton	16,381	10	6,704	19,880	5,793	16,331	45,617	10	4,488	(d)
Coatesville	14,006	21	5,830	(d)	4,661	(d)	(d)	18	3,022	(d)
Columbia	11,547	39	3,069	6,811	2,827	6,008	12,994	27	2,109	2,820
Connellsville	13,608	21	538	1,210	452	949	1,870	18	323	586
Conshohocken	10,776	26	4,531	14,206	3,875	11,110	20,442	19	1,687	4,869
Coraopolis	11,086	10	2,101	6,473	1,840	5,403	11,902	13	1,043	3,593
Darby	10,334	15	315	745	285	618	1,320	11	483	1,209
Dickson City	11,548	13	591	1,059	529	861	1,380	9	260	403
Donora	13,180	14	5,084	(d)	4,410	(d)	(d)	13	3,360	(d)
Dormont	12,974	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Du Bois	12,080	17	785	1,750	651	1,397	3,815	19	492	1,290
Dunmore	23,086	15	986	1,920	906	1,638	3,485	4	879	(d)
Duquesne	20,693	8	7,858	(d)	6,961	(d)	(d)	6	4,955	(d)
Easton	33,589	85	7,287	16,488	6,503	13,666	26,037	66	3,512	8,292
Ellwood City	12,329	22	5,787	18,516	4,769	14,175	31,891	13	3,261	(d)
Erie	116,955	258	24,976	73,226	20,669	55,674	129,058	223	13,320	(d)
Farrell	13,899	10	330	(d)	301	(d)	(d)	10	186	(d)
Greensburg	16,743	38	1,005	2,607	795	1,815	4,309	32	1,648	4,625
Hanover borough	13,076	78	5,475	11,490	4,971	9,433	21,358	68	3,951	7,436
Hanover township	16,439	3	789	(d)	733	(d)	(d)	3	133	(d)
Harrisburg	83,893	127	8,670	21,692	7,246	16,558	35,863	135	6,198	16,122
Harrison	13,161	4	6,691	(d)	6,191	(d)	(d)	n.a.	n.a.	n.a.
Haverford	27,594	1	(d)	(d)	(d)	(d)	(d)	n.a.	n.a.	n.a.
Hazleton	38,009	66	6,580	13,444	5,963	11,646	24,021	48	4,051	6,845
Homestead	19,041	12	209	471	142	329	773	12	176	637
Indiana	10,050	21	755	1,822	575	1,368	2,947	21	325	853
Jeannette	16,220	31	7,973	24,004	6,602	18,616	38,066	20	3,618	10,818
Johnstown	66,668	73	20,170	56,728	18,108	48,423	89,463	79	12,728	(d)
Kingston	20,679	27	3,125	6,106	2,771	4,823	10,327	23	3,541	6,173
Lancaster	61,345	182	16,617	43,083	14,295	34,024	84,115	138	7,374	20,941
Lansdowne	10,837	13	657	1,900	574	1,579	3,963	6	210	630
Latrobe	11,111	25	3,618	10,832	2,811	7,337	19,426	18	1,709	6,610
Lebanon	27,206	80	9,073	21,906	8,143	18,284	32,415	71	7,101	12,459
Lewistown	13,017	13	649	1,406	580	1,185	1,932	12	188	(d)
Lock Haven	10,810	20	3,489	8,378	3,011	6,788	18,683	18	1,623	3,601
Lower Merion	39,566	2	(d)	(d)	(d)	(d)	(d)	n.a.	n.a.	n.a.
McKeesport	55,355	41	10,964	32,684	9,117	24,578	45,791	39	7,313	(d)
McKees Rocks	17,021	37	9,708	24,729	8,384	19,840	36,540	29	3,261	7,249
Mahanoy City	13,442	11	985	1,942	910	1,656	3,186	6	588	901
Meadville	18,919	22	1,429	3,956	1,129	2,847	7,003	19	2,678	6,587
Monessen	20,257	11	6,674	(d)	6,063	(d)	(d)	14	4,353	(d)
Mount Carmel	17,780	15	1,040	1,638	968	1,434	2,585	9	407	603
Mount Lebanon	19,571	3	31	(d)	19	(d)	(d)	4	33	(d)

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—Continued										
Munhall	13,900	3	11,818	(d)	10,605	(d)	(d)	6	8,310	(d)
Nanticoke	24,387	14	1,781	$3,202	1,672	$2,910	$5,877	12	1,514	$2,153
New Castle	47,638	50	7,755	20,749	6,927	17,511	30,445	44	4,912	9,329
New Kensington	24,055	24	5,604	15,568	4,914	12,766	27,926	18	4,690	(d)
Norristown	38,181	68	4,138	11,512	3,495	8,828	21,187	58	3,381	8,851
North Braddock	15,679	5	5,656	(d)	4,968	(d)	(d)	5	3,773	(d)
Oil City	20,379	25	2,809	7,029	2,350	5,605	11,355	21	1,119	2,638
Old Forge	11,892	13	1,447	2,236	1,388	1,942	3,857	7	499	606
Philadelphia [1]	1,931,334	5,244	328,630	932,184	268,359	682,299	1,759,264	4,242	195,537	649,777
Phoenixville	12,282	26	2,566	6,902	2,263	5,565	9,796	18	2,004	4,325
Pittsburgh	671,659	1,083	81,415	237,251	65,257	171,323	420,944	943	43,254	171,964
Pittston	17,828	29	1,177	1,890	1,072	1,608	2,790	12	215	547
Plains	15,621	5	225	284	214	278	459	2	(d)	(d)
Plymouth	15,507	18	757	1,276	678	1,045	2,424	10	273	344
Pottstown	20,194	60	8,900	25,612	7,745	21,166	42,133	54	5,291	9,892
Pottsville	24,530	32	3,878	8,264	3,516	6,968	13,343	31	1,868	3,279
Reading	110,568	307	27,111	67,362	23,000	53,144	115,436	229	15,971	37,952
Scranton	140,404	244	16,604	36,354	14,411	28,464	57,837	188	8,913	19,682
Shaler	11,185	3	106	378	81	319	665	n.a.	n.a.	n.a.
Shamokin	18,810	34	3,835	8,037	3,513	6,829	13,417	30	1,782	2,988
Sharon	25,622	33	14,585	47,626	11,985	38,076	84,699	25	8,172	22,658
Shenandoah	19,790	24	1,281	1,712	1,174	1,450	2,743	20	590	814
Steelton	13,115	11	6,122	(d)	5,331	(d)	(d)	13	3,688	(d)
Stowe	12,577	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Sunbury	15,462	20	2,732	6,025	2,328	4,300	13,982	20	1,628	2,995
Swissvale	15,919	11	3,976	(d)	2,765	(d)	(d)	14	1,243	(d)
Tamaqua	12,486	14	446	650	397	520	1,116	8	253	436
Uniontown	21,819	36	2,103	5,115	1,814	4,309	9,636	32	851	1,900
Upper Darby	56,883	14	403	1,011	335	744	1,005	6	180	475
Vandergrift	10,725	9	3,649	(d)	3,325	(d)	(d)	8	3,059	(d)
Warren	14,891	42	2,980	7,780	2,424	5,845	15,652	33	1,488	5,280
Washington	26,166	44	3,947	9,843	3,446	8,035	17,318	37	2,329	7,628
Waynesboro	10,231	24	4,301	11,096	3,615	8,905	19,772	20	2,732	7,609
West Chester	13,289	29	1,783	4,586	1,391	3,053	8,434	23	896	1,937
Wilkes-Barre	86,236	161	12,025	29,296	10,400	22,977	50,647	111	5,978	19,281
Wilkinsburg	29,853	14	275	670	220	496	1,339	15	189	653
Williamsport	44,355	110	10,632	25,525	8,968	19,278	38,480	85	6,785	16,270
York	56,712	233	24,319	62,965	19,624	45,676	116,219	170	11,454	36,085

[d] Withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
[1] Philadelphia city is coextensive with Philadelphia County.

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]

No.	MAJOR INDUSTRY GROUP: Title	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
			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	**16,789**	**1,439,534**	**$3,918,901**	**1,219,426**	**2,458,068**	**$3,053,879**	**$6,946,958**	**$533,805**	**$201,376**	**$332,429**	**13,116**	**853,371**	**$2,476,862**
20	Food and kindred products	2,789	103,370	264,108	78,396	166,887	174,045	586,025	49,332	14,954	34,378	3,002	60,016	274,338
21	Tobacco manufactures	240	19,382	31,151	18,228	34,387	27,695	66,310	1,387	399	988	151	16,418	34,625
22	Textile mill products	1,340	138,659	336,950	126,929	257,116	282,154	621,448	43,816	10,326	33,490	1,116	141,201	262,815
23	Apparel and related products	2,121	140,906	263,334	132,063	251,715	227,769	434,044	9,477	2,632	6,845	1,345	93,406	133,442
24	Lumber and products, except furniture	1,106	15,423	30,680	14,294	30,379	26,699	49,425	3,019	871	2,148	639	8,204	16,673
25	Furniture and fixtures	457	18,645	45,654	16,474	34,857	36,827	73,049	3,556	1,237	2,319	346	12,431	24,373
26	Paper and allied products	371	35,280	96,337	30,865	68,183	76,617	205,773	25,636	7,166	18,470	300	21,725	73,722
27	Printing and publishing industries	1,799	54,686	170,226	36,528	75,703	109,229	339,556	32,581	16,611	15,970	1,638	28,906	143,672
28	Chemicals and allied products	703	43,648	131,379	32,403	67,663	85,614	314,720	42,425	16,697	25,728	570	22,265	115,773
29	Petroleum and coal products	191	29,325	100,411	23,314	47,267	74,992	243,190	45,087	38,787	6,300	149	15,429	79,222
30	Rubber products	57	15,149	47,568	12,341	25,446	36,510	81,530	11,141	4,946	6,195	33	4,624	19,001
31	Leather and leather products	327	31,094	66,000	28,685	56,236	55,829	125,141	2,603	858	1,745	250	27,875	51,203
32	Stone, clay, and glass products	932	72,871	190,924	64,394	129,119	159,199	339,841	34,695	13,380	21,315	740	42,578	132,082
33	Primary metal industries	586	263,542	808,729	231,324	454,040	672,474	1,219,042	105,517	34,529	70,988	465	176,781	522,154
34	Fabricated metal products	1,203	113,461	319,482	96,677	194,838	249,207	533,319	28,627	8,497	20,130	761	48,968	144,214
35	Machinery (except electrical)	1,280	136,069	413,455	108,664	228,116	305,638	665,443	41,994	11,915	30,079	768	44,972	172,581
36	Electrical machinery	251	92,659	274,357	72,450	147,327	201,655	509,145	28,900	9,822	19,078	133	29,209	110,547
37	Transportation equipment	135	64,614	196,989	53,648	104,919	156,223	314,353	12,837	3,790	9,047	124	31,010	87,826
38	Instruments and related products	176	20,678	56,821	15,901	31,155	38,420	94,270	3,974	1,359	2,615	122	9,097	34,450
39	Miscellaneous manufactures	725	30,073	74,346	25,848	52,715	57,083	131,334	7,201	2,600	4,601	464	18,166	44,149

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]	**16,789**	**9,519**	**4,715**	**2,555**	**1,439,534**	**$3,918,901**	**853,371**	**1,219,426**	**$3,053,879**	**$6,946,958**	**$533,805**
20	FOOD AND KINDRED PRODUCTS	2,789	1,999	575	215	103,370	264,108	60,016	78,396	174,045	586,025	49,332
201	Meat products	301	201	70	30	12,514	34,111	6,583	9,792	24,144	59,311	3,502
2011	Meat packing, wholesale	193	133	41	19	9,148	26,006	5,005	7,277	18,658	44,616	2,561
2013	Prepared meats	97	63	26	8	2,774	6,897	1,230	2,090	4,686	12,685	751
2015	Poultry dressing, wholesale	11	5	3	3	592	1,208	348	425	800	2,010	190
2022	Natural cheese	20	17	3	----	239	534	144	203	431	1,309	184
2023	Concentrated milk	10	2	8	----	401	1,027	(d)	344	842	2,562	299
2024	Ice cream and ices	111	84	15	12	4,147	10,838	1,980	2,865	6,857	25,557	3,634
203	Canning, preserving, and freezing	153	89	44	20	9,545	19,966	5,179	8,563	15,629	39,512	5,596
2033	Canning and preserving, except fish	94	46	30	18	8,244	17,361	4,025	7,420	13,525	33,086	4,511
2035	Pickles and sauces	39	32	6	1	581	1,170	950	514	969	4,117	186
204	Grain-mill products	290	253	32	5	3,464	8,727	1,806	2,724	6,035	21,067	1,325
2042	Prepared animal feeds	176	149	25	2	2,310	5,834	860	1,764	3,984	14,389	698
205	Bakery products	804	554	181	69	32,113	84,855	[2] 23,515	21,489	47,509	138,891	9,659
2051	Bread and other bakery products	731	513	161	57	26,626	72,602	20,191	16,939	38,221	112,426	8,492
2052	Biscuit, crackers, and pretzels	73	41	20	12	5,487	12,253	3,324	4,550	9,288	26,465	1,167
207	Confectionery and related products	197	118	48	31	15,602	33,593	9,484	13,376	25,058	106,017	5,435
2071	Confectionery products	183	115	46	22	9,608	17,698	6,016	8,457	13,601	49,854	2,112
2072	Chocolate and cocoa products	7	----	2	5	4,809	12,625	(d)	3,982	9,268	45,976	2,253
2073	Chewing gum	7	3	----	4	1,185	3,270	(d)	937	2,189	9,187	1,070
208	Beverages	479	337	105	37	16,692	48,856	5,998	12,258	32,425	146,320	15,773
2081	Bottled soft drinks	390	326	59	5	4,784	11,583	1,343	2,602	5,259	23,482	3,237
2082	Malt liquors	61	5	33	23	7,136	25,150	3,717	5,670	18,229	62,601	7,089
2085	Distilled liquors, except brandy	24	5	10	9	4,677	11,851	938	3,919	8,810	59,047	5,424
209	Miscellaneous food preparations	401	325	68	8	5,863	13,589	2,788	4,441	8,683	32,600	2,681
2095	Flavorings	30	24	6	----	382	1,182	120	236	520	2,858	206
2097	Manufactured ice	187	166	20	1	1,699	3,892	1,029	1,230	2,770	9,235	619
2099	Food preparations, n.e.c.	157	120	34	3	2,659	5,973	769	2,007	3,596	14,632	1,249
21	TOBACCO MANUFACTURES	240	160	43	37	19,382	31,151	16,418	18,228	27,695	66,310	1,387
2121	Cigars	208	138	36	34	18,271	28,951	15,612	17,261	26,063	62,842	1,051
2131	Chewing and smoking tobacco	11	8	2	1	283	535	(d)	241	375	923	69
22	TEXTILE MILL PRODUCTS	1,340	429	557	354	138,659	336,950	141,201	126,929	282,154	621,448	43,816
221	Woolen and worsted manufactures	120	23	53	44	15,099	39,170	13,886	13,898	32,451	69,426	2,416
2211	Scouring and combing plants	9	3	3	3	933	2,833	363	806	2,078	3,876	301
2212	Yarn mills, wool, except carpet	29	6	12	11	4,042	9,593	3,833	3,825	8,324	14,027	581
2213	Woolen and worsted fabrics	65	13	29	23	8,500	22,209	8,635	7,781	18,408	45,251	1,228
2216	Finishing wool textiles	17	1	9	7	1,624	4,535	1,055	1,486	3,641	6,272	306
222	Yarn and thread mills, except wool	83	14	33	36	10,334	19,242	16,819	9,586	16,549	30,159	1,368
2222	Yarn throwing mills	60	1	27	32	9,211	17,146	15,870	8,559	14,796	26,400	1,304
2224	Yarn mills, cotton system	11	6	3	2	560	1,119	156	523	942	1,986	24
223	Cotton and rayon broad-woven fabrics	161	16	80	65	20,138	48,819	19,138	18,873	42,782	92,101	7,222
2233	Cotton broad-woven fabrics	42	11	17	14	3,726	10,495	2,900	3,412	8,498	21,029	398
2234	Rayon and related broad-woven fabrics	119	5	63	51	16,412	38,324	16,238	15,461	34,284	71,072	6,824
2241	Narrow fabric mills	88	27	45	16	6,824	15,082	6,102	6,088	12,062	23,578	1,027
225	Knitting mills	663	272	271	120	50,651	119,533	57,609	46,629	101,175	210,676	20,244
2251	Full-fashioned hosiery mills	349	185	120	44	24,819	68,591	35,253	23,084	60,701	124,024	13,315
2252	Seamless hosiery mills	79	17	40	22	6,552	11,406	6,451	6,096	9,239	17,458	1,362
2253	Knit outerwear mills	120	40	65	15	5,905	12,037	4,119	5,380	9,351	20,416	1,287
2254	Knit underwear mills	66	1	33	32	10,315	20,390	8,877	9,344	16,272	36,358	1,681
2256	Knit-fabric mills	39	24	9	6	1,995	5,015	2,072	1,739	3,869	9,407	2,295
2261	Finishing textiles, except wool	59	21	22	16	5,801	16,422	4,303	5,096	12,701	25,373	1,531
227	Carpets and rugs	89	30	34	25	16,731	46,437	11,797	15,156	39,464	111,585	6,938
2271	Wool carpets, rugs, and carpet yarn	40	2	18	20	10,488	28,677	7,448	9,679	24,534	59,914	3,285
228	Hats (except cloth and millinery)	15	4	3	8	4,897	12,142	5,207	4,271	9,180	18,490	706
2281	Fur-felt hats and hat bodies	10	3	3	4	3,676	9,770	3,405	3,163	7,445	14,300	448
229	Miscellaneous textile goods	62	22	16	24	8,184	20,013	6,340	7,332	15,790	40,060	2,364
2292	Lace goods	11	1	2	8	3,309	7,957	3,070	2,982	6,510	17,423	700
2293	Paddings and upholstery filling	10	3	5	2	503	1,310	(d)	438	878	1,857	82
2294	Processed textile waste	15	11	3	1	332	671	538	294	520	1,235	7
2297	Jute (except felt), and linen goods	4	----	----	4	1,010	2,487	864	941	2,063	5,103	286
2298	Cordage and twine	11	3	3	5	1,556	3,597	1,301	1,397	2,822	5,503	161
23	APPAREL AND RELATED PRODUCTS	2,121	751	973	397	140,906	263,334	93,406	132,063	227,769	434,044	9,477
231	Men's and boys' suits and coats	225	80	74	71	23,843	60,309	17,342	22,172	53,191	97,626	1,506
232	Men's and boys' furnishings	530	136	243	151	48,668	84,345	35,916	46,061	74,849	137,783	3,214
2321	Men's dress shirts and nightwear	202	25	91	86	26,443	43,960	20,162	25,173	39,473	74,844	1,705
2322	Men's and boys' underwear	20	3	12	5	1,254	2,122	2,053	1,188	1,771	3,939	83
2323	Men's and boys' neckwear	27	14	12	1	730	1,271	831	655	971	2,339	35
2327	Separate trousers	135	41	59	35	10,982	20,734	7,296	10,358	18,646	30,497	880
2329	Men's and boys' clothing, n.e.c.	112	38	54	20	7,777	13,508	4,248	7,281	11,583	21,151	372
233	Women's and misses' outerwear	506	162	322	82	30,273	52,879	18,275	28,742	46,052	84,375	1,294
2331	Blouses and waists	159	44	95	20	7,422	12,453	2,605	7,104	10,970	22,004	376
2333	Dresses, unit price	203	54	120	29	11,312	19,098	7,118	10,716	16,959	26,767	362
2334	Dresses, dozen price	126	36	68	22	7,125	11,493	5,572	6,796	9,731	19,527	317
2335	Women's suits and coats	32	13	13	6	2,257	6,413	1,278	2,124	5,389	10,613	74
2336	Women's skirts	8	4	4	----	170	284	83	159	237	646	10
2339	Women's outerwear, n.e.c.	35	10	20	5	1,931	3,057	1,576	1,793	2,694	4,654	149

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—Continued											
234	Women's and children's undergarments	191	44	107	40	15,971	$25,321	7,495	14,959	$21,272	$42,825	$1,680
2341	Women's and children's underwear	163	36	96	31	12,902	20,189	7,076	12,217	17,335	34,950	1,256
2342	Corsets and allied garments	28	8	11	9	3,069	5,132	419	2,742	3,937	7,875	424
2351	Millinery	19	8	11	----------	516	1,137	783	456	943	2,251	5
236	Children's outerwear	179	52	98	29	10,417	18,207	7,211	9,623	14,999	30,108	510
2361	Children's dresses	106	22	60	24	7,522	13,221	6,399	6,995	10,643	22,871	350
2363	Children's coats	25	6	16	3	1,442	2,854	73	1,364	2,466	4,023	69
2369	Children's outerwear, n.e.c.	48	24	22	2	1,453	2,132	739	1,364	1,890	3,214	91
2371	Fur goods	21	18	2	1	289	652	128	230	499	1,280	22
238	Miscellaneous apparel and accessories	73	32	30	11	3,837	7,155	2,327	3,453	5,446	11,528	455
2382	Fabric and combination work gloves	12	5	5	2	501	988	252	451	781	2,046	158
2384	Robes and dressing gowns	13	5	5	3	890	1,688	632	839	1,365	2,405	89
2385	Waterproof outer garments	7	4	2	1	327	540	(d)	317	491	672	25
2387	Belts	12	5	6	1	772	1,772	190	616	1,010	2,779	(d)
2389	Apparel, n.e.c.	8	5	3	----------	180	340	198	155	246	631	10
239	Miscellaneous fabricated textiles	317	219	86	12	7,091	13,329	3,929	6,367	10,518	26,268	791
2391	Curtains and draperies	21	13	7	1	492	1,003	529	431	611	1,660	61
2392	Housefurnishings, n.e.c.	72	49	18	5	2,207	3,775	1,444	1,989	3,017	7,193	260
2393	Textile bags	14	9	4	1	420	852	325	377	682	2,105	95
2394	Canvas products	60	51	9	----------	589	1,315	272	464	906	2,281	33
2396	Trimmings and art goods	26	15	9	2	801	1,415	164	729	1,210	3,708	60
2398	Embroideries, except Schiffli-machine	30	19	11	----------	507	729	212	492	693	1,168	71
2399	Fabricated textile products, n.e.c.	53	32	18	3	1,442	3,180	708	1,281	2,458	6,412	185
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	1,106	924	168	14	15,423	30,680	8,204	14,294	26,699	49,425	3,019
242	Lumber and timber basic products	739	675	64	----------	6,771	11,765	2,045	6,549	10,927	19,335	910
2421	Sawmills and planing mills, general	734	674	60	----------	6,643	11,515	1,989	6,428	10,707	19,130	858
243	Millwork and related products	157	118	35	4	3,090	7,473	2,344	2,638	5,932	11,998	667
2431	Millwork plants	145	111	32	2	2,579	6,339	2,134	2,200	5,045	9,943	573
244	Wooden containers	92	52	34	6	2,810	5,765	2,106	2,617	5,029	8,774	810
2442	Rattan and willow ware, n.e.c.	5	2	3	----------	109	156	(d)	104	146	236	8
2443	Cigar boxes	14	3	9	2	700	1,138	967	644	983	1,957	26
2444	Wooden boxes (except cigar boxes)	44	24	18	2	1,197	2,542	691	1,109	2,160	4,098	336
2445	Cooperage	23	17	4	2	763	1,881	358	723	1,698	2,374	445
249	Miscellaneous wood products	118	79	35	4	2,752	5,677	1,709	2,490	4,811	9,318	626
2491	Wood preserving	7	2	4	1	280	811	86	257	710	1,726	143
2499	Wood products, n.e.c.	101	67	31	3	2,428	4,785	1,489	2,191	4,022	7,387	483
25	FURNITURE AND FIXTURES	457	261	148	48	18,645	45,654	12,431	16,474	36,827	73,049	3,556
251	Household furniture	293	156	103	34	13,122	31,532	9,605	11,738	25,615	51,514	2,566
2511	Wood house furniture, except upholst.	120	55	37	28	8,568	19,847	6,190	7,759	16,760	30,717	1,520
2512	Household furniture, upholstered	85	52	29	4	2,154	5,469	1,888	1,927	4,347	10,128	436
2515	Mattresses and bedsprings	53	29	24	----------	1,155	2,847	998	953	1,942	4,547	208
252	Office furniture	18	7	7	4	1,265	3,066	540	1,113	2,475	4,777	246
2521	Wood office furniture	9	6	1	2	442	696	155	424	636	991	(d)
2522	Metal office furniture	9	1	6	2	823	2,370	385	689	1,839	3,786	(d)
253	Public and professional furniture	14	7	5	2	727	1,927	332	660	1,594	2,932	152
2541	Partitions and fixtures	52	36	13	3	1,384	3,958	1,058	1,194	3,219	5,945	169
256	Screens, shades, and blinds	65	43	17	5	1,956	4,703	896	1,597	3,528	7,222	296
2561	Window and door screens	28	12	12	4	1,194	3,154	312	926	2,295	4,400	220
2563	Venetian blinds	31	25	5	1	703	1,422	549	643	1,178	2,595	74
259	Miscellaneous furniture and fixtures	15	12	3	----------	191	468	----------	172	396	659	127
26	PAPER AND ALLIED PRODUCTS	371	104	170	97	35,280	96,337	21,725	30,865	76,617	205,773	25,636
261	Pulp, paper, and paperboard	64	3	24	37	12,772	39,588	9,779	11,288	33,503	86,535	17,390
2611	Pulp mills	10	1	1	8	2,267	6,759	1,271	2,074	6,088	9,915	1,268
2612	Paper and board mills	54	2	23	29	10,505	32,829	8,508	9,214	27,415	76,620	16,122
2641	Paper coating and glazing	16	7	6	3	885	2,438	(d)	744	1,901	5,282	700
2651	Envelopes	12	4	5	3	613	1,592	(d)	517	1,033	2,545	127
2661	Paper bags	14	2	6	6	1,821	4,999	1,012	1,613	3,815	9,634	548
267	Paperboard containers and boxes	181	56	94	31	11,518	27,814	6,450	10,129	21,502	62,013	3,942
2671	Paperboard boxes	167	49	89	29	10,532	25,108	6,201	9,220	19,090	56,323	3,360
2674	Fiber cans, tubes, drums, etc.	14	7	5	2	986	2,706	249	909	2,412	5,690	582
269	Pulp goods and misc. paper products	84	32	35	17	7,671	19,906	3,664	6,574	14,863	39,764	2,929
2693	Wallpaper	9	1	4	4	1,225	3,729	1,000	1,105	2,917	8,208	371
2699	Converted paper products, n.e.c.	61	23	25	13	6,090	15,305	2,393	5,166	11,308	30,179	2,490
27	PRINTING AND PUBLISHING INDUSTRIES	1,799	1,400	302	97	54,686	170,226	28,906	36,528	109,229	339,556	32,581
2711	Newspapers	392	275	84	33	18,077	56,299	8,350	9,574	29,472	100,752	10,764
2721	Periodicals	112	93	13	6	8,360	31,630	2,781	4,688	19,664	107,068	14,437
273	Books	39	18	13	8	2,730	8,031	1,889	1,273	3,337	16,066	437
2731	Books: publishing and printing	28	16	6	6	2,134	5,792	(d)	791	1,782	13,068	291
2732	Book printing	11	2	7	2	596	2,239	(d)	482	1,555	2,998	146
2741	Miscellaneous publishing	22	18	3	1	272	576	4	27	52	1,203	50
2751	Commercial printing	900	775	103	22	14,135	39,344	9,798	11,681	30,793	62,407	2,953
2761	Lithographing	85	53	24	8	2,947	9,620	1,619	2,366	6,625	16,265	1,485
2771	Greeting cards	8	4	2	2	410	967	575	329	687	1,484	4
278	Bookbinding and related industries	103	77	20	6	3,153	7,253	1,478	2,838	5,883	10,616	309
2781	Bookbinding	55	38	13	4	2,129	5,090	790	1,954	4,412	6,607	224
2782	Blankbook making and paper ruling	28	23	4	1	577	1,063	470	521	765	2,043	63
279	Printing trades service industries	138	87	40	11	4,602	16,506	2,412	3,752	12,716	23,695	2,142
2791	Typesetting	40	26	10	4	1,331	4,760	402	1,130	3,844	6,529	296
2792	Engraving and plate printing	30	23	4	3	1,148	2,781	940	974	2,281	3,882	27
2793	Photoengraving	54	30	21	3	1,577	6,628	670	1,218	4,801	9,571	1,684
2794	Electrotyping and stereotyping	14	8	5	1	546	2,337	400	430	1,790	3,713	135

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			
28	CHEMICALS AND ALLIED PRODUCTS	703	445	171	87	43,648	$131,379	22,265	32,403	$85,614	$314,720	$42,425
2819	Inorganic chemicals, n.e.c.	32	14	10	8	1,847	5,351	1,562	1,495	4,094	19,845	2,230
282	Industrial organic chemicals	58	19	12	27	18,909	58,708	11,027	14,640	41,459	105,257	26,434
2823	Plastics materials	11	3		8	3,820	12,866	502	2,761	8,356	19,072	(d)
2829	Organic chemicals, n.e.c.	26	10	7	9	5,010	17,143	1,488	3,755	11,190	37,652	6,277
283	Drugs and medicines	114	81	21	12	5,291	14,112	2,223	3,570	8,257	60,511	4,684
2834	Pharmaceutical preparations	106	77	20	9	4,439	11,554	2,014	2,990	6,841	57,333	4,199
284	Soap and related products	102	72	25	5	2,603	8,222	1,007	1,933	4,314	24,300	1,432
2841	Soap and glycerin	23	13	7	3	1,393	3,908	721	1,171	2,538	15,333	525
2842	Cleaning and polishing preparations	60	48	10	2	843	2,312	175	555	1,217	5,006	572
2843	Sulfonated oils and assistants	19	11	8		367	2,002	111	207	559	3,961	335
285	Paints and allied products	111	58	39	14	7,046	21,629	2,454	4,920	12,679	48,981	3,395
2851	Paints and varnishes	93	54	30	9	4,095	13,336	1,786	2,613	6,668	30,136	2,230
286	Gum and wood chemicals	11	1	6	4	787	1,675	558	665	1,287	2,163	126
287	Fertilizers	23	18	4	1	743	1,792	517	574	1,270	4,223	274
288	Vegetable and animal oils	63	48	12	3	1,347	4,193	1,018	1,063	2,855	10,934	1,042
2889	Animal oils, n.e.c.	3		3		112	404	(d)	75	178	884	34
289	Miscellaneous chemical products	189	134	42	13	5,075	15,697	1,899	3,543	9,399	38,506	2,808
2891	Printing ink	23	16	5	2	789	2,641	328	550	1,564	5,827	369
2893	Toilet preparations	39	33	6		406	852	203	330	566	2,205	266
2896	Compressed and liquefied gases	33	18	11	4	1,157	3,392	553	861	2,502	10,170	875
2899	Chemical products, n.e.c.	78	59	15	4	1,692	5,543	448	973	2,249	11,364	654
29	PETROLEUM AND COAL PRODUCTS	191	85	67	39	29,325	100,411	15,429	23,314	74,992	243,190	45,087
2911	Petroleum refining	27	2	7	18	15,478	57,709	8,205	11,463	40,638	138,520	31,984
293	Coke and byproducts	75	21	40	14	10,913	33,650	5,453	9,647	28,335	82,118	11,613
2931	Beehive coke ovens	62	21	39	2	2,444	8,302	364	2,317	7,786	18,502	310
2932	Byproduct coke ovens	13		1	12	8,469	25,348	5,089	7,330	20,549	63,616	11,303
295	Paving and roofing materials	52	41	8	3	1,461	4,022	957	1,124	2,879	10,702	1,003
2951	Paving mixtures and blocks	41	36	5		435	1,146	311	267	600	2,379	390
2952	Roofing felts and coatings	11	5	3	3	1,026	2,876	646	857	2,279	8,323	613
299	Miscellaneous petroleum and coal products	37	21	12	4	1,473	5,030	814	1,080	3,140	11,850	487
30	RUBBER PRODUCTS	57	18	17	22	15,149	47,568	4,624	12,341	36,510	81,530	11,141
3011	Tires and inner tubes	7	1		6	8,290	28,894	2,095	6,890	23,259	55,236	9,572
31	LEATHER AND LEATHER PRODUCTS	327	106	121	100	31,094	66,000	27,875	28,685	55,829	125,141	2,603
3111	Leather tann'ng and finishing	43	4	13	26	7,870	21,429	8,130	7,300	18,038	47,436	909
3131	Footwear cut stock	24	9	10	5	1,773	3,282	(d)	1,648	2,784	5,089	145
314	Footwear (except rubber)	121	16	48	57	16,770	31,655	14,747	15,508	27,202	54,320	1,248
3141	Footwear, except rubber	108	13	40	55	16,007	30,346	13,880	14,833	26,205	51,922	1,214
3142	House slippers	13	3	8	2	763	1,309	867	675	997	2,398	34
3161	Luggage	56	36	18	2	1,272	3,287	685	1,157	2,625	6,143	189
317	Handbags and small leather goods	33	7	18	8	2,237	3,749	2,340	2,105	3,265	7,163	65
3171	Handbags and purses	22	4	11	7	1,773	2,921	1,983	1,687	2,595	5,878	33
3172	Small leather goods	11	3	7	1	464	828	357	418	670	1,285	32
319	Miscellaneous leather goods	27	20	7		427	867	165	360	620	1,173	19
3199	Leather goods, n.e.c.	21	15	6		379	750	(d)	329	568	1,080	15
32	STONE, CLAY, AND GLASS PRODUCTS	932	586	185	161	72,871	190,924	42,578	64,394	159,199	339,841	34,695
3211	Flat glass	10		1	9	9,872	28,880	5,736	8,685	24,602	56,144	6,054
322	Pressed and blown glassware	41	1	3	37	18,011	43,963	10,735	16,247	37,305	74,642	9,358
3231	Products of purchased glass	89	66	19	4	2,005	4,351	877	1,781	3,470	8,020	256
3241	Cement, hydraulic	24			24	6,610	18,732	4,313	5,601	14,964	41,720	3,829
325	Structural clay products	127	19	73	35	10,029	25,332	7,619	9,126	22,191	40,105	2,994
3251	Brick and hollow tile	62	11	49	2	2,801	7,215	2,427	2,536	6,210	10,283	1,438
3254	Sewer pipe	7		2	5	997	2,352	727	955	2,217	4,200	203
3255	Clay refractories	47	5	16	26	5,113	12,970	3,691	4,618	11,331	20,274	1,021
326	Pottery and related products	40	22	8	10	7,181	18,041	2,775	6,645	15,798	26,264	2,123
3262	Vitreous-china food utensils	5	1	1	3	3,667	8,417	1,273	3,462	7,564	9,436	1,053
3263	Earthenware food utensils	5	1	2	2	763	1,696	(d)	728	1,497	2,310	376
3269	Pottery products, n.e.c.	20	16	3	1	335	930	153	311	758	1,668	106
327	Concrete and plaster products	429	376	45	8	4,998	12,010	2,852	4,382	9,969	23,682	6,116
3271	Concrete products	388	353	33	2	3,140	7,093	1,347	2,762	5,949	13,002	3,684
3274	Lime	30	18	8	4	1,118	3,152	1,349	951	2,487	6,366	1,357
3281	Cut-stone and stone products	39	30	9		535	1,305	577	416	947	2,270	77
329	Misc. nonmetallic mineral products	133	72	27	34	13,630	38,310	7,094	11,511	29,953	66,994	3,888
3291	Abrasive products	23	13	7	3	1,495	4,853	529	1,056	2,911	7,237	387
3292	Asbestos products	14	4	5	5	2,670	7,372	1,665	2,211	5,811	13,598	774
3293	Gaskets and asbestos insulations	20	11	1	8	2,667	7,090	1,324	2,203	5,286	10,215	705
3297	Nonclay refractories	27	5	5	17	5,282	13,876	2,808	4,808	11,933	26,652	1,392
3298	Statuary and art goods	20	17	3		176	363	75	161	310	543	15
33	PRIMARY METAL INDUSTRIES	586	166	176	244	263,542	808,729	176,781	231,324	672,474	1,219,042	105,517
331	Blast furnaces and steel mills	93		4	89	190,213	593,803	140,456	167,240	496,334	875,940	82,702
3312	Steel works and rolling mills	69		4	65	178,623	558,721	134,477	156,987	467,141	772,272	70,318
332	Iron and steel foundries	222	51	94	77	34,753	100,655	15,163	30,930	84,300	141,478	6,605
3321	Gray-iron foundries	178	50	86	42	14,490	42,059	6,192	13,137	36,344	60,543	3,956
3322	Malleable-iron foundries	7			7	2,463	6,316	1,659	2,223	5,499	8,140	337
3323	Steel foundries	37	1	8	28	17,800	52,280	7,312	15,570	42,457	72,795	2,312
3341	Secondary nonferrous metals	35	13	12	10	2,979	8,529	940	2,254	5,351	13,243	1,017
335	Nonferrous metal rolling and drawing	16	2	5	9	5,646	14,993	3,947	4,552	11,274	28,242	2,196
3361	Nonferrous foundries	121	74	34	13	6,053	18,427	1,697	5,404	15,487	29,246	894
3391	Iron and steel forgings	32	7	14	11	5,297	16,455	1,963	4,743	13,824	23,979	1,112
3392	Wire drawing	12	1		11	6,038	18,397	3,046	5,264	15,747	30,732	2,100
3399	Primary metal industries, n.e.c.	40	16	11	13	4,591	13,888	1,764	3,881	10,377	26,039	2,023

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			
34	FABRICATED METAL PRODUCTS	1,203	638	369	196	113,461	$319,482	48,968	96,677	$249,207	$533,319	$28,627
3411	Tin cans and other tinware	13	1	4	8	3,747	8,461	2,377	3,323	7,179	14,026	752
342	Cutlery, hand tools, and hardware	144	69	44	31	12,242	32,231	6,371	10,768	25,554	52,116	2,732
3421	Cutlery	8	4	2	2	662	1,685	297	598	1,309	2,563	128
3423	Hand tools, n.e.c.	49	23	15	11	3,470	9,827	1,230	3,013	7,520	16,538	(d)
3424	Files	5	2	----------	3	953	2,349	680	891	2,060	4,170	103
3429	Hardware, n.e.c.	52	23	16	13	4,406	11,051	2,739	3,734	8,395	18,035	908
343	Heating and plumbing equipment	115	47	34	34	14,431	40,468	9,799	12,160	31,902	65,090	5,248
3431	Metal plumbing fixtures and fittings	24	10	7	7	3,492	9,204	2,972	3,127	8,044	12,253	874
3432	Oil burners	9	5	4	----------	233	715	102	172	415	1,199	150
3439	Heating and cooking apparatus, n.e.c.	82	32	23	27	10,706	30,549	6,725	8,861	23,443	51,638	4,224
344	Structural metal products	368	185	129	54	31,840	96,119	13,915	26,586	73,448	161,527	6,803
3441	Structural and ornamental products	167	91	58	18	13,768	41,431	8,030	11,675	32,582	71,640	1,237
3442	Metal doors, sash, and trim	18	7	6	5	1,942	5,935	(d)	1,703	4,659	9,373	585
3443	Boiler shop products	77	20	33	24	11,667	34,879	4,077	9,750	26,564	59,725	3,318
3444	Sheet-metal work	106	67	32	7	4,463	13,874	(d)	3,458	9,643	20,789	1,663
346	Metal stamping and coating	231	152	59	20	27,066	77,157	6,844	23,279	60,807	120,303	6,629
3461	Vitreous-enameled products	7	1	3	3	2,482	4,910	1,672	2,321	4,144	9,837	1,193
3463	Metal stampings	113	63	36	14	22,454	66,767	4,275	19,062	52,376	101,014	5,123
3466	Galvanizing	12	7	3	2	588	1,823	359	521	1,247	3,285	40
3468	Plating and polishing	81	65	15	1	1,344	3,188	469	1,213	2,683	5,413	249
3471	Lighting fixtures	104	68	30	6	3,333	8,400	1,222	2,885	6,158	17,133	680
348	Fabricated wire products	80	42	24	14	6,232	16,107	2,751	5,401	12,945	31,185	1,503
349	Miscellaneous fabricated metal products	148	74	45	29	14,570	40,539	5,689	12,275	31,214	71,939	4,280
3491	Metal barrels, drums, and pails	6	----------	2	4	1,272	3,402	322	1,085	2,666	7,955	398
3493	Steel springs	17	3	7	7	2,569	8,023	912	2,258	6,531	14,198	883
3494	Bolts, nuts, washers, and rivets	29	5	11	13	7,629	21,617	2,541	6,245	16,213	37,226	1,703
3495	Screw-machine products	49	31	17	1	1,213	3,118	770	1,065	2,467	5,168	358
3499	Fabricated metal products, n.e.c.	43	35	7	1	693	1,635	(d)	603	1,322	2,968	257
35	MACHINERY (EXCEPT ELECTRICAL)	1,280	716	344	220	136,069	413,455	44,972	108,664	305,638	665,443	41,994
351	Engines and turbines	11	2	1	8	11,204	37,375	4,650	8,259	25,891	51,412	3,144
352	Tractors and farm machinery	41	17	13	11	5,461	16,795	610	4,378	11,525	31,252	2,447
3521	Tractors	7	2	2	3	1,004	3,187	(d)	706	1,721	7,223	184
3522	Farm machinery (except tractors)	34	15	11	8	4,457	13,608	(d)	3,672	9,804	24,029	2,263
353	Construction and mining machinery	66	20	20	26	11,283	34,799	3,207	8,991	25,715	59,016	2,816
354	Metalworking machinery	221	152	43	26	15,569	50,207	4,747	13,267	40,146	80,488	2,260
3541	Machine tools	14	5	6	3	2,069	5,595	1,456	1,644	4,134	8,266	258
3542	Metalworking machinery, n.e.c.	29	11	6	12	8,340	28,672	1,795	7,279	23,788	45,111	867
3543	Cutting tools, jigs, fixtures, etc.	178	136	31	11	5,160	15,940	1,496	4,344	12,224	27,111	1,135
355	Special-industry machinery, n.e.c.	302	173	87	42	21,086	66,937	9,531	17,516	51,506	110,931	5,403
3551	Food-products machinery	35	17	12	6	2,322	6,614	751	1,838	4,812	11,938	477
3552	Textile machinery	59	17	25	17	10,221	32,970	5,573	8,642	25,718	54,456	2,730
3553	Woodworking machinery	14	5	8	1	798	2,517	193	646	1,866	4,897	226
3554	Paper-industries machinery	15	8	3	4	1,325	4,319	399	1,003	2,949	6,286	494
3555	Printing-trades machinery	24	13	6	5	2,099	6,390	1,012	1,731	5,023	10,755	469
3559	Special-industry machinery, n.e.c.	155	113	33	9	4,321	14,127	1,603	3,656	11,138	22,599	1,007
356	General industrial machinery	199	90	66	43	23,323	70,467	9,102	17,518	48,605	122,118	8,296
3561	Pumps and compressors	33	12	10	11	4,944	14,112	1,536	3,945	10,451	22,570	1,184
3563	Conveyors	22	11	6	5	1,864	6,478	472	1,286	3,760	12,889	770
3566	Power-transmission equipment	45	21	13	11	7,579	22,662	2,970	5,585	16,129	37,778	2,066
3567	Industrial furnaces and ovens	13	5	7	1	700	2,490	249	447	1,280	4,116	114
3569	General industrial machinery, n.e.c.	47	20	17	10	3,647	10,985	1,923	2,721	7,176	20,784	1,105
357	Office and store machines	13	6	7	----------	393	912	217	328	705	1,529	69
3576	Scales and balances	4	1	3	----------	141	315	80	122	253	476	20
358	Service and household machines	80	37	26	17	21,394	59,723	4,750	16,788	43,745	86,101	10,359
3585	Refrigeration machinery	52	25	15	12	18,192	49,965	4,024	14,327	37,205	72,016	8,807
3589	Service and household machines, n.e.c.	12	5	4	3	1,678	5,198	49	1,202	3,243	6,736	1,036
359	Miscellaneous machinery parts	347	219	81	47	26,356	76,240	8,158	21,619	57,800	122,596	7,200
3591	Valves and fittings, except plumbers'	60	25	10	25	12,869	36,086	3,619	10,776	28,476	59,135	3,835
3593	Ball and roller bearings	15	3	5	7	5,475	16,213	1,862	4,657	13,366	26,419	1,662
3599	Machine shops	242	177	55	10	6,157	17,710	2,115	5,001	12,815	27,096	1,273
36	ELECTRICAL MACHINERY	251	85	72	94	92,659	274,357	29,299	72,450	201,655	509,145	28,900
361	Electrical industrial apparatus	120	36	41	43	56,650	184,807	18,109	42,824	134,102	337,252	12,469
3611	Wiring devices and supplies	34	13	11	10	4,255	10,818	1,689	3,795	8,901	27,239	1,812
3613	Electrical measuring instruments	10	2	5	3	900	2,235	37	667	1,503	3,065	121
3615	Transformers	10	3	3	4	10,224	33,872	3,070	7,672	24,537	66,443	2,012
3616	Electrical control apparatus	22	4	7	11	15,922	52,383	2,622	11,156	35,637	103,957	3,089
3617	Electrical welding apparatus	5	1	4	----------	294	982	(d)	178	411	1,954	52
3621	Electrical appliances	15	5	3	7	3,884	10,850	318	3,181	7,941	20,494	997
3631	Insulated wire and cable	9	4	2	3	1,023	2,714	1,606	892	2,242	4,654	198
3641	Engine electrical equipment	6	3	3	----------	249	614	217	217	462	855	34
366	Communication equipment	70	21	16	33	25,456	61,414	5,937	21,010	45,489	121,109	13,495
3661	Radios and related products	45	14	9	22	13,824	33,070	3,437	11,727	25,027	81,867	10,496
3663	Phonograph records	7	2	4	1	761	1,787	----------	681	1,567	1,744	834
3691	Storage batteries	16	9	1	6	4,425	11,807	2,647	3,471	9,702	19,778	986

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		
37	TRANSPORTATION EQUIPMENT	135	53	35	47	64,614	$196,989	31,010	53,648	$156,223	$314,353	$12,837
371	Motor vehicles and equipment	83	37	22	24	22,793	72,051	13,716	18,831	57,759	125,956	6,354
3717	Motor vehicles and parts	38	12	9	17	20,554	65,418	(3)	16,964	53,045	114,944	5,880
3713	Truck and bus bodies	39	23	13	3	1,395	3,874	(3)	1,243	3,026	6,498	236
3715	Truck trailers	6	2	----------	4	844	2,759	108	624	1,688	4,514	238
373	Ships and boats	15	5	5	5	6,506	20,932	6,574	5,591	17,070	23,439	770
3731	Ship building and repairing	11	1	5	5	6,492	20,904	n.a.	5,577	17,042	23,422	770
374	Railroad equipment	19	2	6	11	30,967	91,025	9,287	26,237	73,516	137,171	3,811
38	INSTRUMENTS AND RELATED PRODUCTS	176	102	47	27	20,678	56,821	9,097	15,901	38,420	94,270	3,974
3811	Scientific instruments	14	7	6	1	803	2,077	183	563	1,290	2,430	(d)
3821	Mechanical measuring instruments	40	18	12	10	9,456	28,594	3,812	6,862	18,935	46,359	1,374
3831	Optical instruments and lenses	10	6	4	----------	232	525	(d)	182	366	866	32
384	Medical instruments and supplies	90	59	19	12	5,734	15,534	2,986	4,366	9,663	28,205	1,120
3843	Dental equipment and supplies	33	20	7	6	2,616	6,657	1,905	2,288	5,016	12,361	627
3861	Photographic equipment	8	5	3	----------	134	312	151	98	221	515	14
39	MISCELLANEOUS MANUFACTURES	725	491	175	59	30,073	74,346	18,166	25,848	57,083	131,334	7,201
391	Jewelry and silverware	69	55	13	1	910	2,307	378	780	1,764	3,579	73
3911	Jewelry (precious metal)	48	41	6	1	580	1,539	308	484	1,149	2,312	26
3914	Silverware and plated ware	11	5	6	----------	233	596	56	204	462	928	17
393	Musical instruments and parts	12	4	5	3	912	2,566	374	812	2,217	4,638	58
394	Toys and sporting goods	140	94	37	9	5,989	12,553	2,905	5,516	10,490	21,160	1,472
3941	Games and toys, n.e.c.	69	48	16	5	3,660	7,844	1,588	3,397	6,580	13,302	556
3942	Dolls	15	10	5	----------	349	485	646	324	399	878	18
3943	Children's vehicles	8	5	3	----------	236	484	(d)	211	406	705	37
3949	Sporting and athletic goods	48	31	13	4	1,744	3,740	(d)	1,584	3,105	6,275	861
395	Office supplies	41	26	11	4	1,638	4,197	809	1,282	2,929	5,653	508
3953	Hand stamps and stencils	30	22	6	2	768	2,188	334	577	1,437	3,103	96
396	Costume jewelry and notions	45	25	13	7	5,958	15,280	4,003	4,801	10,661	29,000	1,204
3962	Artificial flowers	11	5	5	1	436	870	337	385	616	1,503	13
3971	Plastics products, n.e.c.	80	57	12	11	4,690	12,665	2,215	4,017	9,858	21,459	1,914
399	Miscellaneous manufactures	338	230	84	24	9,976	24,778	7,482	8,640	19,164	45,845	1,972
3981	Brooms and brushes	44	34	9	1	680	1,563	464	562	1,067	3,046	94
3985	Fireworks and pyrotechnics	9	4	4	1	393	809	165	335	599	1,083	181
3987	Lamp shades	26	16	8	2	902	1,547	457	837	1,328	3,077	161
3988	Morticians' goods	35	18	12	5	2,223	5,992	1,553	1,940	4,790	12,058	442
3992	Furs, dressed and dyed	8	1	5	2	669	1,760	(d)	589	1 499	2,869	5
3993	Signs and advertising displays	125	105	19	1	1,661	4,624	934	1,364	3,345	7,544	265
3995	Umbrellas, parasols, and canes	17	8	7	2	906	1,884	770	821	1,465	3,181	193
3997	Soda-fountain and bar equipment	6	2	2	2	475	1,295	76	406	1,053	2,722	165
3999	Miscellaneous products, n.e.c.	41	23	14	4	1,168	3,259	872	992	2,350	5,980	109

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 13,549 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]

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
	ALLENTOWN-BETHLEHEM-EASTON METROPOLITAN AREA [Consists of Lehigh and Northampton Counties, Pennsylvania; Warren County, New Jersey]							
	All industries, total [1]	898	88,539	$222,094	76,285	$177,416	$360,314	$31,766
20	Food and kindred products	156	3,338	8,036	2,474	5,506	14,124	1,130
201	Meat products	17	789	1,867	633	1,440	2,485	95
204	Grain-mill products	24	356	967	275	657	1,824	141
205	Bakery products	45	973	2,289	705	1,479	4,623	277
2051	Bread and other bakery products	40	829	2,029	579	1,284	4,252	241
2052	Biscuit, crackers, and pretzels	5	144	260	126	195	371	36
2071	Confectionery products	7	200	282	183	258	506	52
208	Beverages	30	798	2,204	508	1,348	3,666	513
2081	Bottled soft drinks	23	306	713	118	239	1,349	242
2082	Malt liquors	7	492	1,491	390	1,109	2,317	271
209	Miscellaneous food preparations	28	211	412	159	309	964	51
21	Tobacco manufactures	7	1,326	(d)	1,261	(d)	(d)	(d)
22	Textile mill products	122	13,295	30,417	12,149	26,040	51,712	4,895
222	Yarn and thread mills, except wool	6	987	1,646	884	1,441	2,211	317
223	Cotton and rayon broad-woven fabrics	41	3,713	9,015	3,494	8,025	14,619	1,296
2241	Narrow fabric mills	11	1,877	3,577	1,553	2,820	4,920	158
225	Knitting mills	47	5,228	12,374	4,850	10,425	23,511	2,506
2251	Full-fashioned hosiery mills	15	2,554	6,761	2,419	5,949	12,986	1,341
2254	Knit underwear mills	6	1,329	2,629	1,200	2,062	4,921	160
2256	Knit-fabric mills	11	742	1,916	660	1,508	3,827	921
2261	Finishing textiles, except wool	8	718	1,990	654	1,823	2,475	314
229	Miscellaneous textile goods	4	570	1,388	523	1,133	3,294	212
23	Apparel and related products	207	15,942	27,270	15,037	23,854	41,570	1,116
2311	Men's and boys' suits and coats	9	769	1,906	728	1,686	3,235	35
232	Men's and boys' furnishings	55	5,171	8,865	4,945	7,972	13,245	381
2321	Men's dress shirts and nightwear	19	2,232	3,911	2,145	3,639	5,778	91
2322	Men's and boys' underwear	6	360	599	342	496	1,106	27
2323	Men's and boys' neckwear	4	167	180	165	174	269	----------
2327	Separate trousers	11	1,969	3,566	1,877	3,118	4,773	242
2329	Men's and boys' clothing, n.e.c.	15	443	609	416	545	1,319	21
233	Women's and misses' outerwear	70	3,578	5,724	3,454	5,275	8,160	175
2331	Blouses and waists	36	1,596	2,214	1,558	2,101	3,471	132
2333	Dresses, unit price	21	1,094	1,866	1,054	1,724	2,562	31
2339	Women's outerwear, n.e.c.	4	191	310	179	243	507	6
234	Women's and children's undergarments	41	4,535	7,905	4,165	6,449	11,992	396
236	Children's outerwear	12	349	532	326	449	819	39
2361	Children's dresses	3	119	188	110	147	197	2
2369	Children's outerwear, n.e.c.	9	230	344	216	302	622	37
238	Miscellaneous apparel and accessories	6	379	585	363	541	735	8
239	Miscellaneous fabricated textiles	11	1,143	1,723	1,038	1,452	3,334	81
2392	Housefurnishings, n.e.c.	4	1,010	1,557	910	1,293	3,099	55
24	Lumber and products, except furniture	22	576	1,327	492	1,057	1,914	81
243	Millwork and related products	11	381	973	313	751	1,330	39
25	Furniture and fixtures	16	785	1,698	715	1,418	2,069	104
2511	Wood house furniture, except upholstered	7	521	1,139	474	969	1,378	87
2512	Household furniture, upholstered	4	124	286	115	232	400	12
26	Paper and allied products	13	1,949	(d)	1,766	(d)	(d)	(d)
2671	Paperboard boxes	9	226	327	216	302	625	32
27	Printing and publishing industries	71	1,534	3,713	819	2,033	6,748	259
2711	Newspapers	12	889	2,226	318	925	4,172	166
2751	Commercial printing	43	494	1,116	410	892	1,751	22
28	Chemicals and allied products	23	2,288	6,396	1,671	3,711	9,955	3,795
282	Industrial organic chemicals	4	408	1,126	310	797	2,384	(d)
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	3	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	12	1,087	1,849	1,026	1,593	2,881	66
3171	Handbags and purses	3	571	838	563	826	1,468	5
32	Stone, clay, and glass products	67	4,953	13,412	4,264	11,039	31,097	2,873
3241	Cement, hydraulic	15	4,154	11,604	3,562	9,510	27,993	2,611
3271	Concrete products	26	128	209	120	197	406	101
3281	Cut-stone and stone products	10	219	541	172	403	884	25
329	Miscellaneous nonmetallic mineral products	8	115	304	101	254	918	87
33	Primary metal industries	22	19,829	(d)	16,961	(d)	(d)	(d)
332	Iron and steel foundries	12	2,711	7,400	2,490	6,436	9,691	332
34	Fabricated metal products	46	4,976	14,301	4,273	10,752	23,810	761
3429	Hardware, n.e.c.	4	242	642	220	523	868	36
344	Structural metal products	18	2,659	8,289	2,238	6,199	15,096	235
3441	Structural and ornamental products	9	1,523	5,030	1,285	3,641	9,589	54
346	Metal stamping and coating	10	1,030	2,433	916	1,932	3,616	306
35	Machinery (except electrical)	44	6,116	18,594	4,671	13,234	31,839	2,031
355	Special-industry machinery, n.e.c.	16	1,361	4,080	1,100	2,938	6,019	211
356	General industrial machinery	10	2,563	8,086	1,784	5,297	14,408	1,460
359	Miscellaneous machinery parts	7	414	990	325	738	1,296	66
36	Electrical machinery	19	3,276	7,272	2,712	5,261	13,353	(d)
366	Communication equipment	6	1,745	3,884	1,379	2,625	6,903	(d)
37	Transportation equipment	4	5,198	(d)	4,135	(d)	(d)	(d)
38	Instruments and related products	9	96	154	94	153	237	(d)
39	Miscellaneous manufactures	33	1,374	(d)	1,238	(d)	(d)	(d)
3992	Furs, dressed and dyed	4	405	1,086	376	1,007	1,713	1

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
	ERIE METROPOLITAN AREA [Consists of Erie County, Pennsylvania]							
	All industries, total [1]	368	46,285	$134,693	38,076	$103,640	$224,906	$17,815
20	Food and kindred products	57	1,714	4,553	1,330	3,187	9,584	1,914
201	Meat products	6	208	593	137	368	879	66
203	Canning, preserving, and freezing	7	534	1,291	473	1,087	3,227	1,271
2051	Bread and other bakery products	16	339	966	236	518	1,502	158
208	Beverages	12	336	1,047	237	725	2,281	386
23	Apparel and related products	7	232	432	153	259	528	6
24	Lumber and products, except furniture	30	487	1,228	455	879	1,651	49
2421	Sawmills and planing mills, general	16	176	634	161	325	823	15
2499	Wood products, n.e.c.	8	218	420	207	398	563	31
25	Furniture and fixtures	8	1,217	2,865	1,065	2,368	4,542	246
26	Paper and allied products	9	1,932	(d)	1,844	(d)	(d)	(d)
27	Printing and publishing industries	38	927	2,498	575	1,618	5,063	115
2751	Commercial printing	22	193	456	159	333	736	33
28	Chemicals and allied products	7	121	459	96	358	1,235	57
29	Petroleum and coal products	5	395	(d)	346	(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	13	289	805	249	653	1,937	161
3271	Concrete products	9	103	281	91	223	502	78
33	Primary metal industries	26	4,553	14,133	4,022	11,414	21,703	791
332	Iron and steel foundries	8	1,558	4,507	1,379	3,753	6,575	411
3361	Nonferrous foundries	6	343	945	321	840	1,644	64
339	Miscellaneous primary metal industries	6	1,698	5,529	1,520	4,454	7,560	119
34	Fabricated metal products	43	3,688	10,829	2,992	8,067	14,960	894
343	Heating and plumbing equipment	5	639	2,006	547	1,556	2,926	288
344	Structural metal products	10	1,045	3,386	806	2,300	4,593	168
3441	Structural and ornamental products	5	180	538	124	319	617	26
346	Metal stamping and coating	14	474	1,352	414	1,109	1,822	146
3463	Metal stampings	7	215	595	189	487	693	91
349	Miscellaneous fabricated metal products	7	302	741	229	527	1,112	50
35	Machinery (except electrical)	73	14,455	41,701	12,243	33,308	71,757	5,907
354	Metalworking machinery	21	638	2,141	534	1,453	3,841	79
355	Special-industry machinery, n.e.c.	16	216	700	204	635	1,242	35
356	General industrial machinery	11	875	2,583	649	1,745	5,083	187
359	Miscellaneous machinery parts	14	1,636	4,537	1,387	3,700	7,200	507
3591	Valves and fittings, except plumbers'	7	1,533	4,195	1,297	3,431	6,565	475
3599	Machine shops	7	103	342	90	269	635	32
36	Electrical machinery	15	9,661	29,833	7,156	21,315	44,250	2,659
37	Transportation equipment	5	265	(d)	210	(d)	(d)	(d)
38	Instruments and related products	5	1,430	(d)	1,082	(d)	(d)	(d)
39	Mi cellaneous manufactures	23	3,282	7,842	2,981	6,540	16,229	696
399	Miscellaneous manufactures	8	390	1,130	316	829	2,400	91
	PHILADELPHIA METROPOLITAN AREA [Consists of Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania; Burlington, Camden, and Gloucester Counties, New Jersey]							
	All industries, total [1]	7,399	532,492	$1,530,946	437,553	$1,140,317	$2,803,106	$203,521
20	FOOD AND KINDRED PRODUCTS	808	46,466	129,405	35,191	86,172	264,506	20,549
201	Meat products	104	5,076	14,188	4,006	9,836	21,703	1,567
2011	Meat packing, wholesale	55	3,046	9,054	2,433	6,213	12,720	909
202	Dairy products	29	1,704	4,770	1,107	2,825	10,979	1,811
2024	Ice cream and ices	19	1,637	4,650	1,049	2,718	10,807	1,772
203	Canning, preserving, and freezing	69	8,191	23,983	7,294	20,081	55,206	2,049
2033	Canning and preserving, except fish	37	7,569	22,704	6,759	19,107	51,173	1,542
2035	Pickles and sauces	23	370	801	316	623	3,203	159
205	Bakery products	200	13,145	37,778	8,330	20,060	58,176	3,015
2051	Bread and other bakery products	185	10,608	31,515	6,224	15,091	44,192	2,608
2052	Biscuit, crackers, and pretzels	15	2,537	6,263	2,106	4,969	13,984	407
207	Confectionery and related products	85	6,499	14,263	5,543	10,585	37,786	2,302
2071	Confectionery products	76	5,042	10,003	4,324	7,460	25,205	1,264
208	Beverages	130	6,061	18,175	4,336	11,494	45,566	7,240
2081	Bottled soft drinks	99	1,615	4,150	799	1,866	8,382	971
2082	Malt liquors	12	2,018	7,869	1,517	5,277	20,493	2,163
209	Miscellaneous food preparations	149	2,862	7,900	2,138	4,697	19,036	1,295
2095	Flavorings	25	629	2,120	467	1,239	4,387	243
2097	Manufactured ice	61	713	1,731	590	1,407	4,623	164
2099	Food preparations, n.e.c.	52	1,018	2,743	655	1,161	7,186	590
21	TOBACCO MANUFACTURES	49	8,905	14,209	8,331	12,433	31,429	665
22	TEXTILE MILL PRODUCTS	776	64,426	171,177	58,791	140,571	315,339	19,375
221	Woolen and worsted manufactures	107	14,168	37,559	13,052	31,482	64,180	2,099
2211	Scouring and combing plants	10	1,439	4,207	1,267	3,295	5,077	360
2212	Yarn mills, wool, except carpet	27	4,016	9,514	3,827	8,370	13,045	463
2213	Woolen and worsted fabrics	52	7,076	19,275	6,461	16,154	39,749	969
2216	Finishing wool textiles	18	1,637	4,563	1,497	3,663	6,309	307
2222	Yarn throwing mills	4	550	1,218	504	927	1,461	57
223	Cotton and rayon broad-woven fabrics	52	3,298	10,379	2,979	8,072	17,655	682
2233	Cotton broad-woven fabrics	37	2,466	8,124	2,216	6,186	14,310	439
2234	Rayon and related broad-woven fabrics	15	832	2,255	763	1,886	3,345	243
2241	Narrow fabric mills	46	2,549	6,025	2,346	4,724	9,716	372

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
		PHILADELPHIA METROPOLITAN AREA—Continued						
22	TEXTILE MILL PRODUCTS—Continued							
225	Knitting mills	390	21,050	$53,650	19,360	$44,764	$98,309	$9,602
2251	Full-fashioned hosiery mills	246	11,457	32,781	10,659	28,542	62,288	6,977
2252	Seamless hosiery mills	23	2,286	4,317	2,076	3,288	7,043	619
2253	Knit outerwear mills	80	3,659	8,625	3,297	6,495	14,365	1,035
2254	Knit underwear mills	13	2,174	4,216	2,054	3,532	8,374	219
2256	Knit-fabric mills	18	1,195	3,168	1,031	2,498	5,291	707
2261	Finishing textiles, except wool	41	4,121	12,026	3,547	8,796	19,322	1,070
227	Carpets and rugs	65	10,211	28,941	9,477	25,020	67,232	4,218
2273	Carpets and rugs, n.e.c.	23	663	1,409	600	1,059	3,500	47
229	Miscellaneous textile goods	46	4,704	11,880	4,239	9,285	22,827	879
2292	Lace goods	5	1,629	3,640	1,547	3,343	8,170	230
2294	Processed textile waste	15	332	671	294	520	1,235	7
2298	Cordage and twine	7	1,234	3,237	1,061	2,339	5,403	120
23	APPAREL AND RELATED PRODUCTS	1,186	56,461	130,169	51,996	110,205	227,537	3,537
231	Men's and boys' suits and coats	200	18,497	50,381	17,168	44,143	83,970	1,158
2311	Men's and boys' suits and coats	183	17,717	48,657	16,426	42,693	80,890	1,102
2312	Suit and coat findings	17	780	1,724	742	1,450	3,080	56
232	Men's and boys' furnishings	248	13,181	26,801	12,164	22,732	46,467	726
2321	Men's dress shirts and nightwear	46	3,038	6,098	2,788	4,890	13,514	120
2322	Men's and boys' underwear	8	370	721	343	579	1,801	50
2323	Men's and boys' neckwear	21	539	1,037	467	745	2,011	33
2327	Separate trousers	95	4,949	10,696	4,629	9,566	15,106	259
2329	Men's and boys' clothing, n.e.c.	60	3,796	7,166	3,474	6,018	12,118	197
233	Women's and misses' outerwear	305	12,135	27,253	11,399	23,558	48,922	582
2331	Blouses and waists	82	3,396	6,944	3,201	5,874	14,263	160
2333	Dresses, unit price	95	3,674	8,570	3,437	7,513	13,331	134
2334	Dresses, dozen price	71	2,647	4,978	2,495	4,043	9,084	172
2335	Women's suits and coats	33	1,799	5,568	1,693	5,117	9,804	83
2339	Women's outerwear, n.e.c.	16	463	929	428	783	1,751	19
234	Women's and children's undergarments	43	1,435	2,589	1,284	1,821	4,944	191
2341	Women's and children's underwear	35	1,098	1,887	1,005	1,365	3,751	108
2342	Corsets and allied garments	8	337	702	279	456	1,193	83
2351	Millinery	15	376	927	328	760	1,788	5
236	Children's outerwear	105	5,154	10,401	4,693	8,247	19,413	258
2361	Children's dresses	60	3,778	7,618	3,403	5,782	15,298	183
2363	Children's coats	18	690	1,675	639	1,455	2,398	41
2369	Children's outerwear, n.e.c.	27	686	1,108	651	1,010	1,717	34
238	Miscellaneous apparel and accessories	41	1,674	3,440	1,413	2,353	5,415	291
2384	Robes and dressing gowns	6	111	228	101	173	400	10
239	Miscellaneous fabricated textiles	217	3,912	8,114	3,465	6,390	15,893	321
2391	Curtains and draperies	15	307	595	265	388	1,177	23
2392	Housefurnishings, n.e.c.	56	878	1,794	783	1,354	3,094	67
2394	Canvas products	33	380	853	295	600	1,443	17
2395	Tucking, pleating, and hemstitching	25	298	550	280	490	888	18
2396	Trimmings and art goods	16	406	882	350	713	2,457	41
2398	Embroideries, except Schiffli-machine	21	309	483	303	472	830	8
2399	Fabricated textile products, n.e.c.	36	985	2,272	873	1,796	4,311	78
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	157	3,497	9,105	3,074	7,113	14,704	1,154
2421	Sawmills and planing mills, general	15	182	464	148	317	818	55
243	Millwork and related products	64	1,447	3,950	1,214	3,062	5,776	380
2431	*Millwork plants*	57	1,095	2,950	917	2,261	4,621	334
2433	Prefabricated wood products	7	352	1,000	297	801	1,155	46
244	Wooden containers	37	1,247	2,743	1,156	2,312	4,474	426
2444	Wooden boxes (except cigar boxes)	23	630	1,392	579	1,128	2,407	90
249	Miscellaneous wood products	41	621	1,948	556	1,422	3,636	293
2499	Wood products, n.e.c.	28	429	1,388	384	946	2,461	167
25	FURNITURE AND FIXTURES	264	6,274	16,792	5,307	12,923	25,894	973
251	Household furniture	157	3,323	8,769	2,882	6,785	13,699	414
2511	Wood house furniture, except upholst	46	1,072	2,717	929	2,071	3,414	146
2512	Household furniture, upholstered	54	848	2,337	730	1,863	3,773	56
2514	Metal house furniture, except upholst	28	992	2,710	877	2,124	5,045	181
252	Office furniture	9	352	1,071	314	767	2,167	87
253	Public and professional furniture	7	384	1,115	349	897	1,577	121
2541	Partitions and fixtures	38	1,165	3,305	958	2,740	4,925	118
256	Screens, shades, and blinds	44	937	2,245	705	1,479	3,174	162
2561	Window and door screens	15	552	1,522	384	985	1,776	124
259	Miscellaneous furniture and fixtures	9	113	287	99	255	352	71
26	PAPER AND ALLIED PRODUCTS	232	19,330	55,675	16,573	42,659	126,117	9,244
261	Pulp, paper, and paperboard	31	5,796	19,592	4,954	15,780	44,682	4,602
2641	*Paper coating and glazing*	13	658	1,723	554	1,334	3,638	(d)
267	Paperboard containers and boxes	104	6,867	17,724	5,952	13,471	46,258	1,913
269	Pulp goods and miscellaneous products	62	3,961	10,925	3,335	7,922	22,115	1,526
2693	Wallpaper	4	312	920	266	676	1,640	102
2699	Converted paper products, n.e.c.	44	3,293	9,133	2,766	6,608	19,098	1,356
27	PRINTING AND PUBLISHING INDUSTRIES	831	32,470	107,486	22,025	69,634	229,943	28,412
2711	Newspapers	109	6,774	22,585	3,765	11,904	36,481	(d)
2721	Periodicals	60	7,911	30,435	4,542	19,370	105,006	14,372
273	Books	28	2,436	7,109	1,087	2,802	14,187	351

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, 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		
		PHILADELPHIA METROPOLITAN AREA—Continued						
27	PRINTING AND PUBLISHING INDUSTRIES—Con.							
2751	Commercial printing	414	7,161	$21,448	5,960	$16,594	$34,536	$1,446
2761	Lithographing	57	2,321	7,904	1,835	5,232	12,755	(d)
278	Bookbinding and related industries	67	1,739	3,931	1,524	2,965	6,404	136
2781	Bookbinding	37	1,128	2,499	1,012	2,027	3,640	101
2782	Blankbook making and paper ruling	12	195	370	175	260	855	14
279	Printing trades service industries	82	3,613	12,945	2,979	10,067	18,500	1,959
2791	Typesetting	27	893	3,183	748	2,529	4,493	190
2792	Engraving and plate printing	23	1,065	2,613	913	2,157	3,595	22
2793	Photoengraving	24	1,196	5,152	951	3,794	7,236	1,615
2794	Electrotyping and stereotyping	8	459	1,997	367	1,587	3,176	132
28	CHEMICAL AND ALLIED PRODUCTS	410	27,653	87,086	19,928	54,264	218,340	21,076
2819	Inorganic chemicals, n.e.c.	18	743	2,191	609	1,679	7,063	539
282	Industrial organic chemicals	27	9,742	33,049	7,258	22,419	59,348	10,130
2829	Organic chemicals, n.e.c.	13	3,480	12,580	2,674	8,329	25,831	4,608
283	Drugs and medicines	70	4,533	12,554	3 053	7,394	55,863	4,450
284	Soap and related products	75	2,621	8,226	2,004	4,460	25,322	1,310
2841	Soap and glycerin	22	1,649	4,518	1,399	3,035	16,915	503
285	Paints and allied products	72	3,531	10,991	2,523	6,609	26,304	1,716
2851	Paints and varnishes	65	2,648	8,384	1,818	4,711	21,369	1,134
2852	Inorganic color pigments	4	747	2,172	621	1,724	4,265	573
2853	Whiting and fillers	3	136	435	84	174	670	9
288	Vegetable and animal oils	19	836	2,707	641	1,746	7,298	517
2886	Grease and tallow	13	449	1,409	345	941	4,688	278
289	Miscellaneous chemical products	123	4,795	15,049	3,163	8,338	32,233	2,130
2891	Printing ink	22	786	2,623	548	1,558	5,808	369
2893	Toilet preparations	29	248	519	192	307	1,021	167
2894	Glue and gelatin	6	437	1,281	345	867	3,414	405
2896	Compressed and liquefied gases	8	426	1,229	281	817	2,634	145
2899	Chemical products, n.e.c.	51	2,173	6,946	1,209	2,875	13,448	647
29	PETROLEUM AND COAL PRODUCTS	39	16,988	65,382	12,550	46,108	140,973	33,857
2911	Petroleum refining	8	14,315	56,566	10,635	40,505	122,996	32,259
2951	Paving mixtures and blocks	10	102	352	50	141	575	77
299	Miscellaneous petroleum and coal products	13	741	2,687	472	1,340	6,645	181
30	RUBBER PRODUCTS	32	8,827	30,244	6,986	22,687	53,376	9,476
3011	Tires and inner tubes	4	5,248	19,440	4,296	15,483	39,188	(d)
31	LEATHER AND LEATHER PRODUCTS	166	10,904	28,150	9,905	22,524	51,588	926
3111	Leather tanning and finishing	25	4,811	14,454	4,361	11,269	27,596	552
3121	Industrial leather belting	16	383	998	305	793	2,631	17
3131	Footwear cut stock	10	558	832	515	627	1,393	104
314	Footwear, except rubber	25	2,577	6,057	2,339	5,057	9,109	101
3141	Footwear, except rubber	19	2,360	5,594	2,142	4,708	8,105	84
3142	House slippers	6	217	463	197	349	1,004	17
3161	Luggage	52	1,214	3,354	1,119	2,699	6,071	97
317	Handbags and small leather goods	21	1,187	2,148	1,111	1,848	4,177	51
3171	Handbags and purses	14	897	1,593	841	1,363	3,314	26
3172	Small leather goods	7	290	555	270	485	863	25
319	Miscellaneous leather goods	17	174	307	155	231	611	4
32	STONE, CLAY, AND GLASS PRODUCTS	269	10,878	30,945	9,190	23,676	56,142	3,832
3231	Products of purchased glass	45	1,242	2,745	1,115	2,240	5,372	151
325	Structural clay products	20	1,398	3,818	1,260	3,221	6,862	431
3251	Brick and hollow tile	10	319	903	291	753	1,185	64
326	Pottery and related products	20	507	1,458	466	1,247	2,682	79
327	Concrete and plaster products	99	1,450	3,888	1,241	3,116	7,509	1,108
3271	Concrete products	91	903	2,263	774	1,836	3,995	865
329	Miscellaneous nonmetallic mineral products	71	5,315	16,289	4,238	11,526	29,108	1,734
3291	Abrasive products	10	1,348	4,481	944	2,614	6,486	245
3292	Asbestos products	8	860	2,718	759	2,279	5,209	353
3293	Gaskets and asbestos insulations	22	1,974	5,609	1,580	3,998	7,459	451
3297	Nonclay refractories	9	917	2,934	766	2,218	8,201	567
3298	Statuary and art goods	14	102	219	92	186	356	11
33	PRIMARY METAL INDUSTRIES	160	29,632	93,630	25,509	75,278	133 604	7,847
331	Blast furnaces and steel mills	7	12,235	40,229	10,356	32,528	50,788	4,176
332	Iron and steel foundries	49	7,406	22,604	6,575	18,901	32,664	1,716
3321	Gray-iron foundries	44	4,620	13,773	4,118	11,735	21,431	1,480
3323	Steel foundries	5	2,786	8,831	2,457	7,166	11,233	236
3341	Secondary nonferrous metals	22	1,654	4,709	1,317	3,011	8,143	471
335	Nonferrous metal rolling and drawing	7	1,688	5,013	1,508	4,182	7,793	351
3361	Nonferrous foundries	48	2,818	9,251	2,489	7,750	14,493	356
339	Miscellaneous primary metal industries	27	3,831	11,824	3,264	8,906	19,723	777
3391	Iron and steel forgings	9	1,117	3,978	969	2,984	6,374	160
3399	Primary metal industries, n.e.c.	14	1,703	5,240	1,407	4,008	8,200	417
34	FABRICATED METAL PRODUCTS	650	46,064	135,081	39,550	106,735	223,735	10,989
3411	Tin cans and other tinware	8	2,918	6,907	2,607	6,093	13,794	651
342	Cutlery, hand tools, and hardware	67	4,732	12,443	4,267	10,531	19,360	1,113
3423	Hand tools, n.e.c.	24	1,105	3,039	965	2,522	4,557	137
3429	Hardware, n.e.c.	25	716	1,938	596	1,452	3,153	118
343	Heating and plumbing equipment	50	4,362	13,137	3,556	9,895	22,825	1,196
3431	Metal plumbing fixtures and fittings	11	552	1,705	467	1,388	2,481	122
3432	Oil burners	6	162	522	120	310	838	142
3439	Heating and cooking apparatus, n.e.c.	33	3,648	10,910	2,969	8,197	19,506	932

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
		PHILADELPHIA METROPOLITAN AREA—Continued						
34	FABRICATED METAL PRODUCTS—Continued							
344	Structural metal products	194	9,321	$28,237	8,070	$22,395	$49,112	$2,060
3441	Structural and ornamental products	76	3,469	10,554	2,900	7,961	17,629	348
3442	Metal doors, sash, and trim	9	800	2,340	678	1,679	3,509	296
3443	Boiler shop products	34	3,374	10,471	3,076	8,990	20,269	987
3444	Sheet-metal work	75	1,678	4,872	1,416	3,765	7,705	429
346	Metal stamping and coating	128	15,992	50,466	13,566	39,631	77,737	3,637
3463	Metal stampings	62	14,634	46,917	12,348	36,895	72,022	3,536
3468	Plating and polishing	46	704	1,706	634	1,438	2,769	46
3471	Lighting fixtures	83	2,475	6,225	2,090	4,480	12,670	496
348	Fabricated wire products	46	1,873	5,069	1,660	4,046	7,147	632
3481	Nails and spikes	3	235	576	197	391	834	25
3489	Wirework, n.e.c.	43	1,638	4,493	1,463	3,655	6,313	607
349	Miscellaneous fabricated metal products	74	4,391	12,597	3,734	9,664	21,090	1,204
3494	Bolts, nuts, washers, and rivets	15	2,112	6,527	1,710	4,796	10,154	510
3495	Screw-machine products	30	751	1,980	658	1,599	3,212	209
3499	Fabricated metal products, n.e.c.	23	316	711	282	600	1,273	22
35	MACHINERY (EXCEPT ELECTRICAL)	641	46,837	146,925	36,575	105,892	222,674	13,984
352	Tractors and farm machinery	23	1,315	3,575	1,090	2,671	7,230	420
3531	Construction and mining machinery	6	634	1,944	499	1,219	2,408	54
3542	Metalworking machinery, n.e.c.	4	154	467	107	300	295	21
355	Special-industry machinery, n.e.c.	161	10,990	35,232	8,994	26,127	58,373	2,469
3551	Food-products machinery	17	573	1,723	442	1,246	3,084	112
3552	Textile machinery	43	5,891	18,781	4,819	13,759	31,122	948
3553	Woodworking machinery	5	127	372	109	284	620	16
3554	Paper-industries machinery	14	1,739	6,002	1,336	4,121	8,566	575
3555	Printing-trades machinery	15	687	1,768	566	1,360	4,191	286
3559	Special-industry machinery, n.e.c.	67	1,973	6,586	1,722	5,357	10,790	532
356	General industrial machinery	96	9,859	31,393	6,825	20,581	51,678	4,317
3561	Pump and compressors	8	828	2,729	583	1,669	4,307	187
3563	Conveyors	12	435	1,270	346	919	1,677	98
3566	Power-transmission equipment	22	3,737	11,482	2,498	8,077	17,816	798
3569	General industrial machinery, n.e.c.	27	1,485	5,236	980	2,961	9,180	715
357	Office and store machines	8	246	584	203	447	960	38
358	Service and household machines	42	4,414	12,613	3,456	8,972	10,651	2,326
3585	Refrigeration machinery	28	3,207	8,607	2,629	6,652	8,307	1,825
359	Miscellaneous machinery parts	179	11,306	33,318	9,301	25,319	53,686	3,169
3591	Valves and fittings, except plumbers'	26	3,025	8,992	2,498	6,756	15,739	1,264
3593	Ball and roller bearings	8	4,731	14,013	3,971	11,402	22,993	1,217
3599	Machine shops	135	3,222	9,338	2,586	6,533	13,566	632
36	ELECTRICAL MACHINERY	110	38,540	108,439	28,395	73,036	203,468	7,295
361	Electrical industrial apparatus	48	9,431	28,900	6,213	17,975	59,811	1,400
3611	Wiring devices and supplies	9	136	306	113	210	549	53
3619	Electrical industrial apparatus, n.e.c.	8	198	626	138	323	730	3
3621	Electrical appliances	6	1,692	4,955	1,329	3,422	9,477	366
366	Communication equipment	37	22,912	62,676	17,255	41,570	116,227	4,911
369	Miscellaneous electrical products	10	3,488	9,158	2,713	7,841	13,430	466
37	TRANSPORTATION EQUIPMENT	68	33,487	105,108	27,621	81,361	152,454	5,358
371	Motor vehicles and equipment	37	12,194	37,979	9,963	29,261	68,798	2,803
3717	Motor vehicles and parts	17	11,594	35,996	9,441	27,761	65,005	2,573
373	Ships and boats	21	8,746	29,255	7,283	22,973	33,047	416
3731	Ship building and repairing	13	8,723	29,207	7,260	22,925	32,999	416
38	INSTRUMENTS AND RELATED PRODUCTS	119	10,578	29,906	7,823	19,333	47,180	1,416
3811	Scientific instruments	11	338	912	256	572	1,107	25
3821	Mechanical measuring instruments	26	6,413	19,673	4,338	11,882	31,960	867
384	Medical instruments and supplies	61	2,775	6,859	2,342	4,913	10,851	414
3841	Surgical and medical instruments	8	309	840	250	582	1,335	52
3842	Surgical appliances and supplies	28	890	1,826	750	1,285	2,756	67
3843	Dental equipment and supplies	25	1,576	4,193	1,342	3,046	6,760	295
3861	Photographic equipment	6	117	281	82	199	380	11
39	MISCELLANEOUS MANUFACTURES	432	14,275	36,032	12,233	27,713	64,103	3,556
3911	Jewelry (precious metal)	44	505	1,333	427	1,017	1,872	25
393	Musical instruments and parts	6	617	1,920	548	1,691	3,652	46
394	Toys and sporting goods	78	2,033	4,255	1,848	3,503	7,584	300
3941	Games and toys, n.e.c.	36	630	1,189	568	951	2,280	105
3949	Sporting and athletic goods	28	1,142	2,691	1,037	2,232	4,691	175
395	Office supplies	28	1,938	4,961	1,449	3,344	8,564	621
3953	Hand stamps and stencils	16	302	742	253	566	1,154	55
3964	Needles, pins, and fasteners	10	549	1,412	458	903	2,289	31
3971	Plastics products, n.e.c.	43	2,760	7,904	2,393	6,257	13,936	1,205
399	Miscellaneous manufactures	185	5,125	12,630	4,448	9,795	23,490	1,293
3981	Brooms and brushes	23	391	920	333	632	1,691	64
3985	Fireworks and pyrotechnics	3	142	217	135	198	395	19
3987	Lamp shades	26	888	1,498	817	1,272	3,005	154
3988	Morticians' goods	12	469	1,255	411	996	2,869	47
3992	Furs, dressed and dyed	3	213	604	159	482	1,055	11
3993	Signs and advertising displays	61	688	1,927	586	1,457	3,467	125
3995	Umbrellas, parasols, and canes	8	513	1,127	451	884	1,778	118
3999	Miscellaneous products, n.e.c.	32	1,062	3,035	908	2,223	5,511	101

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
	PITTSBURGH METROPOLITAN AREA [Consists of Allegheny, Beaver, Washington, and Westmoreland Counties, Pennsylvania]							
	All industries, total [1]	**2,228**	**337,974**	**$1,023,913**	**284,017**	**$807,132**	**$1,707,918**	**$139,524**
20	FOOD AND KINDRED PRODUCTS	455	21,252	58,677	16,324	39,895	118,402	8,461
201	Meat products	48	3,220	9,041	2,603	6,949	15,680	685
2011	Meat packing, wholesale	36	2,929	8,423	2,389	6,557	14,483	670
2013	Prepared meats	12	291	618	214	392	1,197	15
2024	Ice cream and ices	18	686	2,139	453	1,319	3,676	471
204	Grain-mill products	17	658	1,928	503	1,180	3,428	332
205	Bakery products	159	6,597	18,583	4,437	10,845	30,536	1,956
207	Confectionery and related products	27	1,985	4,260	1,755	3,130	12,263	579
208	Beverages	94	3,622	11,682	2,823	8,683	31,888	3,225
2082	Malt liquors	12	2,305	8,270	1,982	6,890	21,580	2,573
209	Miscellaneous food preparations	67	1,263	3,214	862	2,002	8,477	611
2097	Manufactured ice	27	317	810	147	412	1,742	132
2099	Food preparations, n.e.c.	29	703	1,964	508	1,273	5,633	238
21	TOBACCO MANUFACTURES	8	78	86	76	82	150	3
22	TEXTILE MILL PRODUCTS	5	877	2,005	826	1,669	4,156	146
23	APPAREL AND RELATED PRODUCTS	60	1,381	2,756	1,218	1,779	4,668	203
232	Men's and boys' furnishings	6	347	561	324	425	905	42
2327	Separate trousers	3	326	537	305	402	854	42
233	Women's and misses' outerwear	5	213	339	194	265	473	20
239	Miscellaneous fabricated textiles	38	629	1,300	542	844	2,251	128
2391	Curtains and draperies	6	185	408	166	223	483	38
2394	Canvas products	15	159	379	129	219	676	14
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	85	1,010	(d)	906	(d)	(d)	(d)
244	Wooden containers	23	378	889	346	752	1,552	33
2445	Cooperage	13	145	366	135	328	625	19
25	FURNITURE AND FIXTURES	40	1,153	2,814	997	2,121	4,979	269
251	Household furniture	17	565	1,481	477	1,051	2,758	170
2515	Mattresses and bedsprings	8	388	980	324	711	1,791	71
252	Office furniture	3	105	196	96	160	273	7
2541	Partitions and fixtures	7	128	359	114	319	554	20
256	Screens, shades, and blinds	9	326	708	284	536	1,284	67
2561	Window and door screens	5	289	655	254	502	1,212	61
26	PAPER AND ALLIED PRODUCTS	26	2,613	6,358	2,315	4,871	15,300	1,358
2671	Paperboard boxes	13	1,814	4,227	1,620	3,154	9,816	721
2699	Converted paper products, n.e.c.	6	414	1,007	365	853	1,861	(d)
27	PRINTING AND PUBLISHING INDUSTRIES	333	7,890	25,348	4,708	14,726	44,949	1,518
2711	Newspapers	68	4,218	14,452	2,069	7,368	27,818	680
2721	Periodicals	26	267	773	70	143	1,382	7
273	Books	4	222	774	173	519	1,166	77
2741	Miscellaneous publishing	7	115	307			421	
2751	Commercial printing	167	2,130	6,013	1,661	4,574	9,149	673
2761	Lithographing	16	401	1,231	340	923	2,125	50
278	Bookbinding and related industries	18	144	271	124	215	558	13
279	Printing trades service industries	27	393	1,527	271	984	2,330	18
2793	Photoengraving	11	197	868	133	571	1,312	3
28	CHEMICALS AND ALLIED PRODUCTS	118	5,817	18,380	4,093	11,131	42,153	7,010
282	Industrial organic chemicals	8	2,252	7,317	1,659	4,780	10,441	(d)
2823	Plastics materials	4	1,391	4,896	1,050	3,282	4,779	(d)
2834	Pharmaceutical preparations	14	251	656	166	285	1,409	31
284	Soap and related products	13	165	480	109	267	1,192	130
285	Paints and allied products	25	1,250	4,404	726	1,956	9,040	1,197
288	Vegetable and animal oils	9	182	637	147	457	1,297	152
289	Miscellaneous chemical products	42	1,102	3,072	786	1,937	6,903	428
2899	Chemical products, n.e.c.	21	541	1,493	348	753	3,101	146
29	PETROLEUM AND COAL PRODUCTS	43	7,728	23,435	6,698	19,111	61,988	10,085
2911	Petroleum refining	3	677	2,166	517	1,593	5,106	117
293	Coke and byproducts	26	6,526	19,680	5,786	16,424	53,606	9,613
2931	Beehive coke ovens	20	749	2,401	698	2,151	4,492	46
2932	Byproduct coke ovens	6	5,777	17,279	5,088	14,273	49,114	9,567
30	RUBBER PRODUCTS	6	2,492	(d)	2,115	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	11	330	634	296	512	1,089	91
3161	Luggage	4	223	461	202	374	835	86
32	STONE, CLAY, AND GLASS PRODUCTS	210	26,150	68,742	23,030	56,992	111,128	13,174
322	Pressed and blown glassware	25	11,315	27,427	10,126	22,892	40,927	5,645
3221	Glass containers	7	3,555	9,343	3,239	7,966	14,765	2,676
3229	Pressed and blown glassware, n.e.c.	18	7,760	18,084	6,887	14,926	26,162	2,969
3231	Products of purchased glass	26	608	1,295	536	979	2,090	45
325	Structural clay products	29	1,570	4,041	1,439	3,520	6,271	483
3255	Clay refractories	10	877	2,223	793	1,906	3,574	277
326	Pottery and related products	12	2,314	5,970	2,106	5,039	9,333	689
327	Concrete and plaster products	82	870	2,067	746	1,693	3,535	868
3281	Cut-stone and stone products	11	135	334	107	254	700	19
329	Miscellaneous nonmetallic mineral products	19	2,952	8,926	2,385	6,866	16,794	879
3297	Nonclay refractories	4	708	2,029	615	1,612	5,423	153
33	PRIMARY METAL INDUSTRIES	185	148,265	463,464	130,822	389,766	703,968	70,018
331	Blast furnaces and steel mills	54	119,508	376,993	105,563	317,651	569,840	57,343
3312	Steel works and rolling mills	40	111,606	352,381	98,653	297,401	493,572	47,156
332	Iron and steel foundries	58	13,198	40,260	11,671	33,770	53,060	2,923
3323	Steel foundries	19	7,343	21,548	6,476	17,778	28,295	1,064
3333	Primary zinc	3	2,401	7,792	2,221	7,028	17,434	(d)
3341	Secondary nonferrous metals	10	1,066	3,072	771	1,923	4,373	385
339	Miscellaneous primary metal industries	32	8,184	24,989	7,305	21,223	42,166	3,048
3391	Iron and steel forgings	11	1,714	5,322	1,508	4,437	8,436	768
3399	Primary metal industries, n.e.c.	16	2,294	6,838	1,918	5,083	13,796	1,431

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
	PITTSBURGH METROPOLITAN AREA—Continued							
34	FABRICATED METAL PRODUCTS	231	35,152	$96,918	29,838	$75,311	$158,950	$8,799
342	Cutlery, hand tools, and hardware	21	1,703	4,899	1,472	3,569	8,408	297
3423	Hand tools, n.e.c.	8	778	2,105	647	1,464	4,031	93
3425	Hand saws and saw blades	4	211	649	176	514	1,068	45
343	Heating and plumbing equipment	20	2,678	7,205	2,366	6,040	9,411	794
3431	Metal plumbing fixtures and fittings	7	2,210	5,811	1,983	5,072	6,985	680
3439	Heating and cooking apparatus, n.e.c.	13	468	1,394	383	968	2,426	114
344	Structural metal products	82	12,934	39,190	10,584	29,708	63,253	2,834
3441	Structural and ornamental products	50	7,825	23,289	6,757	19,238	40,271	639
3442	Metal doors, sash, and trim	5	174	531	132	344	899	11
3443	Boiler shop products	11	2,643	7,430	2,061	5,059	10,423	1,048
3444	Sheet-metal work	16	2,292	7,940	1,634	5,067	11,660	1,136
346	Metal stamping and coating	39	7,017	16,803	6,213	13,617	26,559	1,948
3468	Plating and polishing	15	204	457	183	372	683	19
3471	Lighting fixtures	11	965	2,420	871	1,822	4,798	162
349	Miscellaneous fabricated metal products	36	8,216	22,947	6,940	17,675	41,275	2,567
3493	Steel springs	12	1,767	5,161	1,544	4,152	9,254	657
3494	Bolts, nuts, washers, and rivets	7	4,765	13,029	3,922	9,954	23,688	1,034
3495	Screw-machine products	10	265	759	229	564	1,363	105
35	MACHINERY (EXCEPT ELECTRICAL)	203	22,554	73,571	17,669	52,915	115,901	6,386
353	Construction and mining machinery	12	3,539	11,348	2,652	7,518	18,888	607
3531	Construction and mining machinery	7	2,916	9,391	2,140	5,968	15,670	422
3532	Oil-field machinery and tools	5	623	1,957	512	1,550	3,218	185
354	Metalworking machinery	38	4,936	18,131	4,203	14,571	27,172	356
3541	Machine tools	3	115	397	86	235	527	18
355	Special-industry machinery, n.e.c.	40	1,451	5,199	1,178	3,928	8,082	219
3559	Special-industry machinery, n.e.c.	30	701	2,318	581	1,764	3,612	113
356	General industrial machinery	27	2,686	8,640	2,123	6,209	15,788	1,007
3566	Power-transmission equipment	7	916	3,334	655	2,256	6,176	300
3567	Industrial furnaces and ovens	4	142	565	94	252	842	12
3569	General industrial machinery, n.e.c.	4	136	388	103	254	420	2
3585	Refrigeration machinery	4	179	517	123	256	744	63
359	Miscellaneous machinery parts	76	7,057	20,960	5,439	14,549	33,205	1,629
3591	Valves and fittings, except plumbers'	18	4,894	13,774	3,965	10,506	22,653	1,170
36	ELECTRICAL MACHINERY	52	31,309	105,062	24,490	78,737	191,985	7,531
3611	Wiring devices and supplies	12	3,134	8,335	2,876	7,123	22,160	1,572
37	TRANSPORTATION EQUIPMENT	21	14,548	44,536	12,021	35,035	76,321	2,220
374	Railroad equipment	5	11,051	33,238	9,039	26,143	59,254	1,105
38	INSTRUMENTS AND RELATED PRODUCTS	31	4,240	12,302	2,978	7,771	20,097	881
3831	Optical instruments and lenses	3	137	298	130	279	378	24
39	MISCELLANEOUS MANUFACTURES	105	3,135	8,572	2,597	6,355	15,931	479
391	Jewelry and silverware	5	104	255	85	173	498	3
394	Toys and sporting goods	16	749	1,620	666	1,240	2,626	65
395	Office supplies	11	520	1,667	355	963	2,165	59
3971	Plastics products, n.e.c.	14	90	157	76	123	236	62
399	Miscellaneous manufactures	55	1,623	4,791	1,370	3,776	10,297	282
3981	Brooms and brushes	7	109	285	86	185	546	8
3988	Morticians' goods	7	547	1,766	471	1,467	4,224	112
3993	Signs and advertising displays	28	535	1,584	431	1,161	2,365	39
	READING METROPOLITAN AREA [Consists of Berks County, Pennsylvania]							
	All industries, total [1]	**617**	**53,423**	**$136,503**	**46,756**	**$111,376**	**$230,962**	**$19,063**
20	Food and kindred products	122	3,362	7,252	2,583	4,868	19,776	1,424
201	Meat products	10	458	1,256	352	902	2,342	129
205	Bakery products	37	923	2,221	650	1,223	3,418	486
2051	Bread and other bakery products	25	539	1,459	341	677	2,139	251
2052	Biscuit, crackers, and pretzels	12	384	762	309	546	1,279	235
208	Beverages	18	506	1,485	302	812	3,403	324
21	Tobacco manufactures	7	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	152	18,008	43,571	16,552	37,867	68,465	5,629
221	Woolen and worsted manufactures	4	121	243	108	188	277	35
225	Knitting mills	127	15,539	37,626	14,348	33,282	59,744	5,270
2251	Full-fashioned hosiery mills	74	9,463	25,918	8,729	23,565	42,385	4,030
2252	Seamless hosiery mills	27	2,357	4,154	2,197	3,420	5,784	359
2254	Knit underwear mills	18	2,560	5,333	2,327	4,409	8,324	575
2261	Finishing textiles, except wool	3	149	388	132	270	654	73
2273	Carpets and rugs, n.e.c.	4	270	449	242	357	875	9
228	Hats (except cloth and millinery)	4	588	1,346	534	1,027	1,686	99
23	Apparel and related products	48	4,651	8,607	4,278	7,856	12,319	212
2311	Men's and boys' suits and coats	4	1,798	3,451	1,601	3,326	4,391	24
232	Men's and boys' furnishings	17	1,416	2,618	1,331	2,308	3,997	81
2321	Men's dress shirts and nightwear	9	947	1,790	890	1,572	2,839	41
2327	Separate trousers	3	267	504	255	447	827	25
233	Women's and misses' outerwear	5	398	737	380	689	867	14
234	Women's and children's undergarments	12	787	1,399	727	1,191	2,539	38
2398	Embroideries, except Schiffli-machine	3	106	143	99	126	200	53
24	Lumber and products, except furniture	17	489	1,068	471	986	1,996	54
244	Wooden containers	3	107	181	103	168	247	7
25	Furniture and fixtures	7	114	255	99	177	524	1
26	Paper and allied products	21	1,371	3,925	1,239	3,381	7,606	1,150
267	Paperboard containers and boxes	14	887	2,312	821	2,121	4,083	581

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
	READING METROPOLITAN AREA—Continued							
27	Printing and publishing industries	34	617	$1,692	370	$937	$3,039	$84
2751	Commercial printing	18	115	224	94	186	396	10
28	Chemicals and allied products	19	825	2,374	505	1,081	5,817	528
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	14	1,321	2,602	1,197	2,108	5,209	144
32	Stone, clay, and glass products	16	687	1,919	506	1,268	2,578	1,007
33	Primary metal industries	35	6,545	19,592	5,682	15,556	31,374	1,919
332	Iron and steel foundries	14	2,988	8,045	2,649	6,415	13,359	443
3361	Nonferrous foundries	14	150	389	136	295	706	67
34	Fabricated metal products	34	2,758	7,053	2,387	5,618	12,924	828
342	Cutlery, hand tools, and hardware	12	856	2,190	791	1,827	4,106	200
343	Heating and plumbing equipment	4	1,118	2,775	1,029	2,507	5,236	430
344	Structural metal products	9	649	1,768	447	1,017	2,768	156
346	Metal stamping and coating	5	111	287	102	239	700	16
35	Machinery (except electrical)	49	7,098	22,336	6,109	18,291	34,928	2,391
356	General industrial machinery	9	513	1,606	343	925	3,737	246
36	Electrical machinery	5	1,008	2,814	825	1,998	6,510	488
37	Transportation equipment	8	2,108	6,272	1,844	5,392	9,268	1,946
38	Instruments and related products	3	1,069	(d)	908	(d)	(d)	(d)
39	Miscellaneous manufactures	24	955	2,200	834	1,748	3,471	778
399	Miscellaneous manufactures	14	796	1,896	686	1,488	3,109	88
3993	Signs and advertising displays	4	117	347	83	181	519	15
	YORK METROPOLITAN AREA [Consists of York County, Pennsylvania]							
	All industries, total [1]	**597**	**41,932**	**$100,709**	**35,569**	**$76,540**	**$189,357**	**$15,140**
20	Food and kindred products	111	3,133	6,875	2,489	4,514	18,303	1,181
203	Canning, preserving, and freezing	18	961	1,729	894	1,346	3,459	378
204	Grain-mill products	23	399	1,126	327	796	3,462	102
2042	Prepared animal feeds	12	333	924	275	667	2,939	75
205	Bakery products	25	965	2,217	653	1,233	5,353	297
2071	Confectionery products	6	242	508	222	377	967	47
209	Miscellaneous food preparations	15	303	624	244	388	1,120	166
2099	Food preparations, n.e.c.	10	269	560	212	326	981	165
21	Tobacco manufactures	120	2,871	4,332	2,730	3,805	8,737	390
2121	Cigars	111	2,772	4,135	2,651	3,675	7,962	368
22	Textile mill products	29	3,029	6,779	2,845	5,788	12,215	797
223	Cotton and rayon broad-woven fabrics	5	822	1,916	780	1,686	4,169	90
2241	Narrow fabric mills	7	600	1,233	566	1,030	1,886	273
225	Knitting mills	12	790	1,610	752	1,414	2,751	338
2251	Full-fashioned hosiery mills	7	399	957	380	858	1,799	307
2252	Seamless hosiery mills	5	391	653	372	556	952	31
23	Apparel and related products	52	4,552	6,899	4,395	6,396	9,507	215
232	Men's and boys' furnishings	24	2,542	3,683	2,455	3,401	5,440	162
2321	Men's dress shirts and nightwear	16	2,038	3,064	1,963	2,810	4,418	144
233	Women's and misses' outerwear	9	741	1,166	716	1,077	1,368	9
2361	Children's dresses	8	298	393	287	367	571	5
24	Lumber and products, except furniture	20	471	(d)	441	(d)	(d)	(d)
2499	Wood products, n.e.c.	9	228	370	213	330	490	20
25	Furniture and fixtures	30	2,642	6,558	2,416	5,790	11,417	661
2511	Wood house furniture, except upholstered	21	2,394	6,063	2,197	5,372	10,592	537
2512	Household furniture, upholstered	4	137	270	122	234	538	12
26	Paper and allied products	21	2,667	8,107	2,380	6,543	22,394	3,427
261	Pulp, paper, and paperboard	9	1,415	4,627	1,253	3,852	14,103	(d)
269	Pulp goods and misc. paper products	6	940	2,872	853	2,279	6,555	(d)
27	Printing and publishing industries	37	965	2,786	726	2,080	4,321	163
2711	Newspapers	3	292	758	163	434	1,316	7
2751	Commercial printing	21	231	478	183	370	965	12
279	Printing trades service industries	6	365	1,388	329	1,183	1,695	111
28	Chemicals and allied products	12	189	515	156	358	888	204
29	Petroleum and coal products	5	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	14	1,999	4,183	1,865	3,500	8,375	272
3141	Footwear, except rubber	5	1,420	3,088	1,331	2,562	6,368	247
32	Stone, clay, and glass products	24	790	1,903	718	1,579	3,648	930
327	Concrete and plaster products	17	275	683	252	574	1,336	811
3271	Concrete products	14	191	448	178	373	875	(d)
33	Primary metal industries	14	1,922	4,922	1,680	4,087	9,807	803
3392	Wire drawing	4	1,263	3,291	1,080	2,670	7,378	690
34	Fabricated metal products	32	4,170	10,726	3,424	8,047	23,067	1,047
342	Cutlery, hand tools, and hardware	5	171	419	158	355	689	62
3489	Wirework, n.e.c.	9	2,748	6,925	2,364	5,657	16,318	452
35	Machinery (except electrical)	48	9,430	27,373	6,527	17,015	39,542	3,719
354	Metalworking machinery	9	314	936	267	765	1,680	100
355	Special-industry machinery, n.e.c.	13	1,139	3,209	908	2,357	5,497	236
3599	Machine shops	11	444	1,397	364	893	1,848	----------
36	Electrical machinery	9	211	608	162	345	1,363	92
37	Transportation equipment	4	610	1,833	559	1,486	2,613	322
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	13	1,163	2,893	998	2,197	4,819	397

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
	YOUNGSTOWN METROPOLITAN AREA [Consists of Mercer County, Pennsylvania; Mahoning and Trumbull Counties, Ohio]							
	All industries, total [1]	552	108,654	$330,825	94,263	$273,621	$567,307	$33,784
20	Food and kindred products	89	1,948	5,321	1,191	2,583	8,957	853
201	Meat products	11	209	524	156	356	972	88
2011	Meat packing, wholesale	7	138	360	101	241	609	25
2042	Prepared animal feeds	10	164	442	104	281	931	19
2051	Bread and other bakery products	31	969	2,900	541	1,200	4,309	340
208	Beverages	21	416	1,018	251	493	1,992	348
209	Miscellaneous food preparations	10	132	337	97	187	499	32
23	Apparel and related products	13	620	998	576	850	2,030	73
24	Lumber and products, except furniture	42	294	598	269	554	964	95
2421	Sawmills and planing mills, general	30	158	313	150	299	505	35
25	*Furniture and fixtures*	*23*	*6,084*	*18,328*	*4,911*	*13,469*	*25,577*	*1,510*
26	Paper and allied products	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	48	1,086	3,391	588	1,883	6,485	278
2711	Newspapers	13	707	2,298	309	1,134	4,865	156
2751	Commercial printing	26	245	635	187	470	975	64
28	Chemicals and allied products	17	323	949	256	672	1,952	167
289	Miscellaneous chemical products	6	109	302	85	233	520	59
29	Petroleum and coal products	10	1,784	(d)	1,629	(d)	(d)	(d)
30	Rubber products	3	1,674	(d)	1,401	(d)	(d)	(d)
31	Leather and leather products	3	690	(d)	601	(d)	(d)	(d)
32	Stone, clay, and glass products	51	2,888	7,675	2,692	6,866	12,755	1,349
326	Pottery and related products	10	1,550	4,032	1,457	3,602	5,649	533
329	Miscellaneous nonmetallic mineral products	6	302	856	277	759	1,774	171
33	Primary metal industries	56	55,475	172,433	50,344	152,012	279,976	18,488
331	Blast furnaces and steel mills	27	47,202	147,572	43,070	131,388	232,083	14,782
3311	Blast furnaces	11	4,453	13,698	4,063	12,094	35,451	3,608
3312	Steel works and rolling mills	16	42,749	133,874	39,007	119,294	196,632	11,174
332	*Iron and steel foundries*	*11*	*3,387*	*9,730*	*3,104*	*8,822*	*14,843*	*383*
3361	Nonferrous foundries	7	181	592	148	452	1,055	(d)
339	Miscellaneous primary metal industries	11	4,705	14,539	4,022	11,350	31,995	2,461
3399	Primary metal industries, n.e.c.	5	1,747	5,769	1,418	4,262	11,264	1,412
34	Fabricated metal products	84	9,989	28,866	8,726	23,198	62,288	2,656
342	Cutlery, hand tools, and hardware	7	391	968	345	777	2,100	58
344	Structural metal products	39	5,714	17,404	4,902	13,598	39,047	1,583
3441	Structural and ornamental products	11	630	1,728	549	1,284	5,431	503
3442	Metal doors, sash, and trim	10	2,569	7,691	2,273	6,427	18,159	359
3443	Boiler shop products	13	2,431	7,754	2,012	5,715	15,041	717
346	Metal stamping and coating	19	1,659	4,230	1,526	3,718	7,689	648
349	Miscellaneous fabricated metal products	12	1,723	4,895	1,497	3,964	9,563	231
3491	Metal barrels, drums, and pails	3	1,576	4,509	1,375	3,672	8,988	222
35	Machinery (except electrical)	54	7,014	21,772	5,859	16,825	37,576	1,202
354	Metalworking machinery	11	2,588	8,306	2,263	6,937	13,080	383
3542	Metalworking machinery, n.e.c.	5	2,236	7,215	1,989	6,188	11,234	305
356	General industrial machinery	4	852	3,088	703	1,964	5,434	185
359	Miscellaneous machinery parts	17	968	2,737	806	2,097	4,738	265
36	Electrical machinery	15	13,807	42,991	11,014	32,781	84,398	2,456
37	Transportation equipment	16	4,672	14,196	3,951	11,165	20,106	3,392
3717	Motor vehicles and parts	4	1,090	3,205	841	2,113	4,045	(d)
3742	Railroad and street cars	4	3,484	10,799	3,022	8,902	15,619	(d)
38	Instruments and related products	4	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	23	244	387	203	308	680	52

[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

[**Money figures in thousands of dollars.** For explanation of column captions see GENERAL EXPLANATIONS. The following principal industrial counties are coextensive with standard metropolitan areas, as indicated: *Berks County*—Reading Metropolitan Area; *Erie County*—Erie Metropolitan Area; *York County*—York Metropolitan Area. Their industry statistics are shown, therefore, in *table 5*]

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
	ALLEGHENY COUNTY							
	All industries, total [1]	1,581	222,506	$675,249	184,144	$520,470	$1,139,168	$70,603
20	Food and kindred products	312	19,042	52,712	14,651	35,857	107,150	7,046
201	Meat products	34	3,004	8,526	2,445	6,602	14,481	492
205	Bakery products	113	6,046	17,136	4,030	9,970	28,047	1,628
207	Confectionery and related products	23	1,971	4,247	1,742	3,118	12,238	557
208	Beverages	56	2,920	9,434	2,288	7,093	26,695	2,596
209	Miscellaneous food preparations	51	1,171	3,042	792	1,875	8,062	592
21	Tobacco manufactures	7	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	3	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	52	1,149	2,382	1,010	1,508	4,042	179
239	Miscellaneous fabricated textiles	35	615	1,271	531	824	2,232	118
24	Lumber and products, except furniture	34	440	(d)	379	(d)	(d)	(d)
244	Wooden containers	12	180	398	166	323	714	16
25	Furniture and fixtures	36	1,000	2,537	859	1,897	4,465	247
251	Household furniture	17	565	1,481	477	1,051	2,758	170
26	Paper and allied products	23	2,206	(d)	1,944	(d)	(d)	(d)
27	Printing and publishing industries	272	6,560	21,451	3,899	12,300	39,176	1,050
271	Newspapers	42	3,603	12,613	1,746	6,338	24,664	532
273	Books	4	222	774	173	519	1,166	77
274	Miscellaneous publishing	7	115	307			421	
275	Commercial printing	137	1,494	4,075	1,218	3,246	6,687	357
276	Lithographing	16	401	1,231	340	923	2,125	50
279	Printing trades service industries	27	393	1,527	271	984	2,330	18
28	Chemicals and allied products	95	4,456	14,362	3,138	8,659	24,529	6,236
283	Drugs and medicines	14	251	656	166	285	1,409	31
285	Paints and allied products	19	1,036	3,749	587	1,593	7,330	883
289	Miscellaneous chemical products	35	960	2,652	679	1,681	5,314	388
29	Petroleum and coal products	16	5,382	16,043	4,660	12,978	48,561	(d)
295	Paving and roofing materials	4	168	461	105	309	958	(d)
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	11	330	634	296	512	1,089	91
316	Luggage	4	223	461	202	374	835	86
32	Stone, clay, and glass products	97	9,641	26,736	8,328	21,821	42,904	7,332
323	Products of purchased glass	17	413	948	362	697	1,482	24
325	Structural clay products	11	310	789	287	705	1,315	96
327	Concrete and plaster products	35	544	1,386	453	1,104	2,247	347
33	Primary metal industries	107	89,441	272,468	78,643	226,475	410,308	29,006
331	Blast furnaces and steel mills	29	72,582	223,556	63,975	186,432	339,415	25,395
332	Iron and steel foundries	28	8,723	25,504	7,618	20,881	33,183	1,016
336	Nonferrous foundries	17	1,059	3,154	931	2,602	5,157	149
339	Miscellaneous primary metal industries	21	5,426	16,170	4,783	13,469	25,062	2,080
34	Fabricated metal products	182	19,449	52,053	16,393	39,396	88,255	5,165
342	Cutlery, hand tools, and hardware	21	1,703	4,899	1,472	3,569	8,468	297
344	Structural metal products	65	6,350	18,394	5,052	13,046	30,638	1,224
347	Lighting fixtures	6	140	352	123	255	515	24
348	Fabricated wire products	11	681	1,572	609	1,301	2,350	168
349	Miscellaneous fabricated metal products	27	5,517	14,953	4,563	11,532	27,583	1,434
35	Machinery (except electrical)	156	15,826	53,327	12,552	38,925	86,107	3,336
353	Construction and mining machinery	4	2,424	7,862	1,712	4,946	14,380	287
355	Special-industry machinery, n.e.c.	29	1,273	4,709	1,020	3,493	7,434	188
356	General industrial machinery	23	2,573	8,255	2,030	5,971	15,329	987
359	Miscellaneous machinery parts	64	4,524	14,150	3,404	9,358	21,769	1,054
36	Electrical machinery	40	28,128	96,277	21,833	72,208	170,551	4,307
37	Transportation equipment	17	13,855	42,487	11,414	33,415	69,034	2,128
371	Motor vehicles and equipment	12	1,480	4,910	1,353	4,214	8,467	505
38	Instruments and related products	29	(d)	(d)	(d)	(d)	(d)	(d)
383	Optical instruments and lenses	3	137	298	130	279	378	24
39	Miscellaneous manufactures	90	2,589	7,160	2,134	5,250	12,468	306
391	Jewelry and silverware	5	104	255	85	173	498	3
395	Office supplies	11	520	1,667	355	963	2,165	59
	BEAVER COUNTY							
	All industries, total [1]	183	44,428	$139,756	38,900	$116,456	$233,149	$42,157
20	Food and kindred products	29	391	1,117	295	655	2,087	292
205	Bakery products	11	202	647	158	359	1,248	197
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	12	163	(d)	149	(d)	(d)	(d)
25	Furniture and fixtures	1	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	11	174	543	89	350	962	35
28	Chemicals and allied products	12	764	2,418	490	1,392	6,371	433
29	Petroleum and coal products	5	1,522	4,736	1,285	3,816	6,687	(d)
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	36	2,153	5,469	1,897	4,400	7,776	1,142
325	Structural clay products	11	741	2,013	675	1,744	3,313	230
327	Concrete and plaster products	11	104	257	91	220	405	305
33	Primary metal industries	32	28,322	92,930	25,322	79,649	152,198	27,584
331	Blast furnaces and steel mills	11	24,579	80,822	21,816	68,686	125,217	21,629
339	Miscellaneous primary metal industries	8	2,467	7,790	2,299	7,055	15,501	535
34	Fabricated metal products	18	7,585	23,225	6,457	18,833	36,946	1,287
35	Machinery (except electrical)	15	1,490	4,552	1,259	3,474	7,017	1,047
36	Electrical machinery	3	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	4	265	(d)	225	(d)	(d)	(d)

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
	CAMBRIA COUNTY							
	All industries, total [1]	**148**	**22,249**	**$60,400**	**20,002**	**$51,563**	**$95,796**	**$7,768**
20	Food and kindred products	42	1,010	2,389	718	1,414	4,009	376
201	Meat products	9	175	421	146	328	1,035	55
205	Bakery products	15	588	1,420	391	705	1,917	251
208	Beverages	11	137	326	102	228	658	43
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	3	268	(d)	246	(d)	(d)	(d)
23	Apparel and related products	10	1,947	(d)	1,851	(d)	(d)	(d)
24	Lumber and products, except furniture	29	249	428	230	410	644	33
242	Lumber and timber basic products	23	150	222	148	220	414	15
25	Furniture and fixtures	4	168	445	148	369	642	21
26	Paper and allied products	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	17	357	(d)	247	(d)	(d)	(d)
28	Chemicals and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
29	Petroleum and coal products	3	724	(d)	664	(d)	(d)	(d)
32	Stone, clay, and glass products	13	535	1,232	516	1,171	1,521	437
325	Structural clay products	5	496	1,167	478	1,108	1,421	41
33	Primary metal industries	5	13,759	(d)	12,412	(d)	(d)	(d)
34	Fabricated metal products	6	632	(d)	540	(d)	(d)	(d)
35	Machinery (except electrical)	6	275	807	222	573	1,385	34
353	Construction and mining machinery	3	245	727	198	516	1,218	31
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
	DAUPHIN COUNTY							
	All industries, total [1]	**236**	**23,189**	**$57,544**	**19,967**	**$45,585**	**$114,307**	**$7,009**
20	Food and kindred products	71	5,632	13,219	4,453	9,247	46,353	1,999
201	Meat products	7	407	1,204	269	722	1,998	58
208	Beverages	10	265	715	159	408	1,480	169
209	Miscellaneous food preparations	13	132	279	99	174	889	70
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	4	378	559	361	497	786	62
225	Knitting mills	4	378	559	361	497	786	62
23	Apparel and related products	24	2,141	3,362	2,019	2,900	5,704	136
232	Men's and boys' furnishings	5	580	892	560	818	1,330	22
233	Women's and misses' outerwear	12	786	1,231	748	1,067	1,860	66
24	Lumber and products, except furniture	11	191	421	165	375	757	24
243	Millwork and related products	6	124	301	101	261	543	9
25	Furniture and fixtures	5	164	427	134	256	523	29
26	Paper and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	41	1,521	4,152	1,068	2,967	6,413	193
275	Commercial printing	24	935	2,452	773	2,058	3,376	136
28	Chemicals and allied products	11	110	261	88	196	457	42
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	10	2,048	3,712	1,972	3,455	7,686	119
32	Stone, clay, and glass products	14	253	687	229	593	1,223	198
33	Primary metal industries	6	7,608	22,612	6,698	18,462	31,483	3,106
34	Fabricated metal products	8	1,391	3,982	1,231	3,312	5,142	793
35	Machinery (except electrical)	11	761	1,839	646	1,394	2,756	147
354	Metalworking machinery	6	535	1,206	465	922	1,895	43
36	Electrical machinery	1	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	4	222	(d)	195	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	7	65	152	51	90	246	5
	DELAWARE COUNTY							
	All industries, total [1]	**310**	**47,255**	**$148,016**	**38,257**	**$112,015**	**$257,820**	**$23,235**
20	Food and kindred products	40	956	2,267	762	1,547	4,617	310
205	Bakery products	13	110	234	85	174	469	33
207	Confectionery and related products	5	255	445	215	325	766	117
208	Beverages	8	103	280	82	217	368	8
209	Miscellaneous food preparations	8	100	229	70	159	761	30
22	Textile mill products	21	4,178	10,878	3,825	9,212	17,743	755
221	Woolen and worsted manufactures	9	2,413	6,174	2,276	5,590	8,807	156
226	Finishing textiles, except wool	4	998	2,897	844	2,152	5,019	96
23	Apparel and related products	8	345	544	315	467	2,356	26
24	Lumber and products, except furniture	12	309	745	268	576	1,352	95
243	Millwork and related products	6	206	508	172	362	801	75
25	Furniture and fixtures	8	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	12	1,580	(d)	1,291	(d)	(d)	(d)
27	Printing and publishing industries	39	510	1,496	371	916	2,562	23
271	Newspapers	13	207	655	113	357	1,239	15
28	Chemicals and allied products	28	4,380	13,310	3,119	8,719	18,089	3,730
284	Soap and related products	5	119	317	87	179	641	108
29	Petroleum and coal products	7	5,848	(d)	3,504	(d)	(d)	(d)
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	4	112	278	93	168	658	----------
32	Stone, clay, and glass products	16	472	1,480	413	1,255	3,678	99
33	Primary metal industries	14	3,290	9,993	2,898	8,034	14,162	343
332	Iron and steel foundries	7	2,488	7,756	2,214	6,443	10,248	218
339	Miscellaneous primary metal industries	3	734	2,081	623	1,464	3,644	114

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
	DELAWARE COUNTY—Continued							
34	Fabricated metal products	25	1,420	$3,702	1,302	$3,057	$6,632	$189
344	Structural metal products	13	654	1,985	596	1,647	4,182	92
35	Machinery (except electrical)	38	6,403	22,397	4,716	15,813	29,416	617
36	Electrical machinery	10	592	(d)	509	(d)	(d)	(d)
361	Electrical industrial apparatus	5	169	422	146	307	587	27
37	Transportation equipment	8	15,442	46,562	13,566	39,159	86,890	1,885
38	Instruments and related products	4	723	(d)	675	(d)	(d)	(d)
39	Miscellaneous manufactures	14	540	(d)	496	(d)	(d)	(d)
	LACKAWANNA COUNTY							
	All industries, total [1]	394	24,879	$50,705	22,018	$40,615	$83,654	$6,774
20	Food and kindred products	84	1,978	4,754	1,489	3,146	9,011	706
201	Meat products	11	212	485	156	363	1,142	49
205	Bakery products	37	1,211	3,032	928	1,973	5,248	338
208	Beverages	18	359	914	275	583	1,708	212
21	Tobacco manufactures	6	974	1,635	880	1,438	2,678	16
212	Cigars	6	974	1,635	880	1,438	2,678	16
22	Textile mill products	36	4,933	10,134	4,575	8,555	15,842	1,446
222	Yarn and thread mills, except wool	16	2,397	4,106	2,296	3,779	5,697	236
223	Cotton and rayon broad-woven fabrics	9	1,366	3,031	1,290	2,747	4,463	799
23	Apparel and related products	103	8,187	12,706	7,740	10,836	20,945	639
232	Men's and boys' furnishings	18	2,738	4,498	2,583	4,077	7,966	351
233	Women's and misses' outerwear	41	2,204	3,417	2,052	2,501	5,061	104
234	Women's and children's undergarments	15	2,116	3,191	2,040	2,837	5,380	149
236	Children's outerwear	17	870	1,201	822	1,073	1,558	24
24	Lumber and products, except furniture	11	133	234	121	213	492	15
25	Furniture and fixtures	9	189	340	173	277	461	116
26	Paper and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	40	1,892	5,116	1,518	3,935	7,468	392
275	Commercial printing	22	392	1,001	317	686	2,003	199
28	Chemical and allied products	15	267	780	190	478	1,976	78
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	6	511	825	465	723	1,524	276
32	Stone, clay, and glass products	13	167	305	150	264	570	100
33	Primary metal industries	5	82	161	75	149	253	53
34	Fabricated metal products	19	2,133	6,201	1,642	4,315	8,546	1,493
344	Structural metal products	8	188	503	153	393	900	36
35	Machinery (except electrical)	18	1,247	2,690	1,059	2,170	7,187	188
36	Electrical machinery	4	790	(d)	724	(d)	(d)	(d)
37	Transportation equipment	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	21	1,217	2,558	1,059	2,147	3,537	373
	LANCASTER COUNTY							
	All industries, total [1]	553	38,707	$93,251	33,526	$72,626	$177,087	$12,296
20	Food and kindred products	141	3,541	8,481	2,750	5,413	16,445	1,962
201	Meat products	11	236	775	187	380	1,294	60
203	Canning, preserving, and freezing	6	164	288	150	251	752	75
204	Grain-mill products	27	351	927	267	631	1,720	55
205	Bakery products	39	808	1,639	494	856	2,507	257
209	Miscellaneous food preparations	25	216	381	169	256	929	161
21	Tobacco manufactures	18	648	1,052	607	958	2,421	88
22	Textile mill products	45	8,448	21,720	7,567	18,292	50,404	3,068
223	Cotton and rayon broad-woven fabrics	10	2,046	4,847	1,938	4,438	10,090	475
23	Apparel and related products	56	3,815	6,107	3,621	5,260	11,542	377
232	Men's and boys' furnishings	12	575	882	554	784	1,393	98
234	Women's and children's undergarments	15	1,046	1,446	1,001	1,303	2,350	155
236	Children's outerwear	15	1,423	2,310	1,343	1,988	3,153	47
24	Lumber and products, except furniture	19	199	446	172	327	874	84
243	Millwork and related products	9	147	346	122	233	530	83
25	Furniture and fixtures	11	178	337	152	258	505	18
26	Paper and allied products	11	504	1,158	455	920	2,468	147
269	Pulp goods and miscellaneous paper products	4	182	439	167	362	994	97
27	Printing and publishing industries	47	1,028	2,757	795	1,951	4,690	369
271	Newspapers	13	350	1,017	238	612	2,176	91
275	Commercial printing	25	580	1,524	486	1,197	2,093	193
28	Chemicals and allied products	19	215	428	176	288	1,067	67
29	Petroleum and coal products	3	28	(d)	16	(d)	(d)	(d)
31	Leather and leather products	18	2,921	5,438	2,706	4,571	8,129	106
32	Stone, clay, and glass products	20	1,671	4,297	1,385	3,368	7,445	667
33	Primary metal industries	24	1,080	2,701	983	2,305	4,415	223
332	Iron and steel foundries	11	696	1,757	642	1,528	2,572	140
34	Fabricated metal products	37	3,717	9,568	3,068	7,021	15,877	1,182
342	Cutlery, hand tools, and hardware	11	1,651	3,901	1,343	2,828	6,566	404
343	Heating and plumbing equipment	6	458	1,154	372	897	1,888	187
349	Miscellaneous fabricated metal products	5	291	772	265	613	1,174	95
35	Machinery (except electrical)	45	4,353	13,651	3,671	10,401	26,848	2,245
354	Metalworking machinery	10	316	821	275	635	1,299	39
356	General industrial machinery	7	612	1,848	480	1,325	2,605	77
359	Miscellaneous machinery parts	8	1,579	4,434	1,493	4,182	7,268	852
36	Electrical machinery	3	1,854	(d)	1,316	(d)	(d)	(d)
37	Transportation equipment	4	272	(d)	230	(d)	(d)	(d)
38	Instruments and related products	4	2,866	(d)	2,592	(d)	(d)	(d)
39	Miscellaneous manufactures	28	1,369	3,110	1,264	2,418	6,226	365
394	Toys and sporting goods	8	611	1,483	583	1,206	3,409	161
399	Miscellaneous manufactures	15	579	1,255	517	910	2,209	134

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
	LEHIGH COUNTY							
	All industries, total [1]	460	35,732	$86,471	30,537	$68,970	$148,402	$15,627
20	Food and kindred products	84	2,341	5,828	1,687	3,884	10,545	902
201	Meat products	11	769	1,834	618	1,417	2,376	86
205	Bakery products	29	788	1,931	553	1,204	3,993	235
208	Beverages	17	560	1,611	344	923	2,747	453
209	Miscellaneous food preparations	15	119	229	79	156	658	23
21	Tobacco manufactures	6	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	78	7,332	15,970	6,651	13,468	27,472	2,088
223	Cotton and rayon broad-woven fabrics	30	2,351	5,656	2,222	5,094	9,841	700
224	Narrow fabric mills	7	1,724	3,274	1,409	2,545	4,367	130
225	Knitting mills	31	2,071	4,308	1,902	3,423	8,204	747
23	Apparel and related products	98	7,368	13,522	6,865	11,566	21,491	488
231	Men's and boys' suits and coats	9	769	1,906	728	1,686	3,235	35
232	Men's and boys' furnishings	30	2,238	3,849	2,148	3,537	6,370	104
234	Women's and children's undergarments	25	2,265	4,102	2,054	3,221	6,477	237
236	Children's outerwear	9	232	343	212	285	592	29
24	Lumber and products, except furniture	11	277	592	247	508	795	39
25	Furniture and fixtures	11	472	(d)	431	(d)	(d)	(d)
251	Household furniture	9	372	836	339	688	996	61
26	Paper and allied products	4	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	31	786	1,732	322	793	2,933	103
28	Chemicals and allied products	12	530	(d)	403	(d)	(d)	(d)
30	Rubber products	3	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	6	730	1,137	691	1,008	1,415	24
32	Stone, clay, and glass products	25	1,479	(d)	1,230	(d)	(d)	(d)
324	Cement, hydraulic	5	1,224	3,450	1,016	2,755	7,668	574
33	Primary metal industries	8	676	1,711	625	1,450	2,610	181
34	Fabricated metal products	22	2,807	8,409	2,405	6,042	14,019	504
342	Cutlery, hand tools, and hardware	4	732	2,415	621	1,711	3,200	150
35	Machinery (except electrical)	29	1,788	5,108	1,426	3,711	7,138	658
355	Special-industry machinery, n.e.c.	10	394	995	297	622	1,238	125
359	Miscellaneous machinery parts	7	114	990	325	738	1,296	66
36	Electrical machinery	9	2,109	5,093	1,669	3,411	8,587	(d)
37	Transportation equipment	2	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	7	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	14	337	(d)	287	(d)	(d)	(d)
	LUZERNE COUNTY							
	All industries, total [1]	468	35,608	$73,279	31,904	$60,527	$126,075	$7,185
20	Food and kindred products	107	4,088	10,182	3,072	6,282	19,598	2,117
201	Meat products	13	298	700	240	498	1,306	80
202	Dairy products	5	240	479	187	339	1,151	(d)
205	Bakery products	44	2,264	5,130	1,737	3,234	7,860	506
208	Beverages	26	1,036	3,296	699	1,777	7,948	1,092
21	Tobacco manufactures	11	3,823	6,583	3,619	6,016	14,267	160
212	Cigars	8	3,549	6,079	3,381	5,638	13,690	149
22	Textile mill products	43	8,289	17,647	7,596	15,213	32,872	2,441
222	Yarn and thread mills, except wool	12	3,153	6,458	2,850	5,418	10,767	506
223	Cotton and rayon broad-woven fabrics	16	3,568	8,289	3,322	7,346	15,312	1,212
23	Apparel and related products	125	11,503	17,679	10,953	15,865	26,231	603
232	Men's and boys' furnishings	29	4,802	8,257	4,619	7,511	12,937	238
233	Women's and misses' outerwear	63	4,042	5,663	3,823	5,008	7,382	200
234	Women's and children's undergarments	10	1,319	1,824	1,286	1,701	3,081	142
236	Children's outerwear	13	1,006	1,525	912	1,286	2,002	66
24	Lumber and products, except furniture	11	366	717	323	560	1,217	89
25	Furniture and fixtures	10	434	887	373	822	1,339	43
26	Paper and allied products	5	152	297	133	231	401	48
27	Printing and publishing industries	49	990	3,004	696	2,077	5,132	44
271	Newspapers	14	535	1,636	315	931	3,169	23
275	Commercial printing	26	400	1,237	348	1,078	1,728	4
28	Chemicals and allied products	10	352	965	288	796	1,930	223
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	11	619	1,057	580	904	1,632	29
32	Stone, clay, and glass products	17	141	328	130	301	594	139
33	Primary metal industries	9	1,661	(d)	1,395	(d)	(d)	(d)
332	Iron and steel foundries	6	328	877	294	779	982	41
34	Fabricated metal products	15	561	1,332	500	1,049	2,075	66
346	Metal stamping and coating	8	358	920	320	702	1,355	52
35	Machinery (except electrical)	24	2,044	5,974	1,705	4,678	8,618	893
355	Special-industry machinery, n.e.c.	5	233	548	193	404	1,017	54
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	4	14	31	14	31	50	1
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	11	68	125	66	122	191	1
	MERCER COUNTY							
	All industries, total [1]	116	20,639	$65,231	17,096	$51,985	$121,530	$4,497
20	Food and kindred products	24	316	732	183	356	1,485	74
205	Bakery products	9	118	219	76	127	348	24
23	Apparel and related products	3	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	17	56	83	53	81	172	6

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
	MERCER COUNTY—Continued							
25	Furniture and fixtures	3	60	(d)	56	(d)	(d)	(d)
27	Printing and publishing industries	12	210	$620	122	$358	$1,107	$109
28	Chemicals and allied products	3	56	(d)	37	(d)	(d)	(d)
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	6	21	(d)	20	(d)	(d)	(d)
33	Primary metal industries	10	8,002	24,304	7,457	22,182	41,231	2,196
34	Fabricated metal products	14	1,100	3,310	939	2,509	9,305	288
344	Structural metal products	5	721	2,347	611	1,759	6,598	237
35	Machinery (except electrical)	13	2,536	(d)	2,014	(d)	(d)	(d)
36	Electrical machinery	1	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	6	22	37	19	31	67	3
	MONTGOMERY COUNTY							
	All industries, total [1]	648	57,005	$165,442	49,058	$131,971	$283,815	$27,995
20	Food and kindred products	79	2,333	6,025	1,677	3,694	10,857	4,280
201	Meat products	17	111	282	91	199	582	29
205	Bakery products	24	1,118	2,827	667	1,310	4,118	422
209	Miscellaneous food preparations	11	325	707	276	490	1,586	133
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	100	8,724	22,030	8,220	19,122	42,319	2,417
221	Woolen and worsted manufactures	4	1,262	3,316	1,209	2,828	4,753	164
224	Narrow fabric mills	7	230	454	219	355	874	26
225	Knitting mills	74	4,496	11,219	4,179	9,530	23,080	1,835
23	Apparel and related products	60	4,634	9,234	4,318	7,998	14,494	326
231	Men's and boys' suits and coats	11	1,559	3,448	1,476	3,048	4,022	91
232	Men's and boys' furnishings	22	1,670	3,410	1,569	2,928	6,472	83
233	Women's and misses' outerwear	4	145	244	140	229	323	5
239	Miscellaneous fabricated textiles	11	315	611	270	438	967	13
24	Lumber and products, except furniture	16	293	752	258	621	1,074	121
243	Millwork and related products	10	218	614	190	509	869	86
25	Furniture and fixtures	13	695	1,856	547	1,341	2,349	136
251	Household furniture	10	681	1,829	541	1,324	2,319	130
26	Paper and allied products	16	1,436	4,140	1,299	3,451	8,946	1,138
261	Pulp, paper, and paperboard	6	904	2,857	817	2,400	5,332	(d)
269	Pulp goods and miscellaneous paper products	5	187	523	156	377	1,456	124
27	Printing and publishing industries	48	596	1,534	343	887	2,787	93
271	Newspapers	19	467	1,267	248	688	2,273	79
28	Chemicals and allied products	22	783	2,820	403	1,002	6,508	611
289	Miscellaneous chemical products	11	536	2,046	247	603	4,249	483
29	Petroleum and coal products	5	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	6	5,393	19,817	4,418	15,758	39,550	(d)
31	Leather and leather products	10	588	1,147	543	906	1,983	33
32	Stone, clay, and glass products	59	4,255	12,011	3,643	9,706	22,692	1,900
323	Products of purchased glass	9	315	626	270	491	842	45
325	Structural clay products	6	635	1,774	570	1,524	3,876	274
327	Concrete and plaster products	23	578	1,674	467	1,271	2,748	375
329	Miscellaneous nonmetallic mineral products	17	2,247	6,452	1,901	5,135	12,881	1,034
33	Primary metal industries	29	6,705	21,504	6,031	18,599	32,389	2,052
339	Miscellaneous primary metal industries	9	1,493	4,649	1,265	3,605	6,738	273
34	Fabricated metal products	59	6,656	20,194	5,501	15,162	32,219	1,441
343	Heating and plumbing equipment	7	1,864	5,590	1,501	4,121	9,571	563
344	Structural metal products	24	2,560	7,805	2,143	5,962	12,573	318
349	Miscellaneous fabricated metal products	10	1,483	4,820	1,194	3,465	7,304	390
35	Machinery (except electrical)	74	4,760	13,812	4,165	11,153	22,904	1,280
352	Tractors and farm machinery	8	183	452	158	356	899	120
354	Metalworking machinery	8	115	338	107	287	505	45
355	Special-industry machinery, n.e.c.	17	1,826	5,501	1,631	4,662	8,185	243
356	General industrial machinery	17	1,017	2,949	817	2,075	5,372	335
359	Miscellaneous machinery parts	19	1,423	4,033	1,291	3,378	6,985	461
36	Electrical machinery	9	1,188	(d)	981	(d)	(d)	(d)
37	Transportation equipment	7	5,330	17,454	4,440	13,857	23,623	1,647
38	Instruments and related products	6	107	205	94	165	323	6
39	Miscellaneous manufactures	28	2,071	6,163	1,793	5,000	11,215	779
394	Toys and sporting goods	9	145	342	121	252	605	10
397	Plastics products, n.e.c.	6	1,821	5,568	1,579	4,543	10,136	762
	NORTHAMPTON COUNTY							
	All industries, total [1]	349	43,764	$110,373	38,398	$89,651	$176,846	$11,381
20	Food and kindred products	52	908	2,042	722	1,495	3,247	216
204	Grain-mill products	11	251	722	182	452	1,036	46
205	Bakery products	13	176	346	143	263	594	41
208	Beverages	10	206	532	153	398	794	56
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	36	4,842	11,565	4,444	9,888	19,825	2,414
224	Narrow fabric mills	4	153	303	144	275	553	28
225	Knitting mills	12	2,560	6,553	2,373	5,613	12,603	1,398
23	Apparel and related products	102	8,207	13,195	7,827	11,770	19,253	584
232	Men's and boys' furnishings	25	2,933	5,016	2,797	4,435	6,875	277
233	Women's and misses' outerwear	50	2,254	3,329	2,187	3,130	5,235	144
234	Women's and children's undergarments	12	1,944	3,297	1,807	2,757	4,746	122
236	Children's outerwear	3	117	189	114	164	227	10

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
	NORTHAMPTON COUNTY—Continued							
24	Lumber and products, except furniture	6	216	(d)	171	(d)	(d)	(d)
25	Furniture and fixtures	4	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	7	1,528	(d)	1,373	(d)	(d)	(d)
27	Printing and publishing industries	33	533	$1,386	323	$766	$2,898	$141
275	Commercial printing	20	190	407	154	299	583	3
28	Chemicals and allied products	8	920	2,446	773	1,996	4,722	820
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	2	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	35	3,230	8,863	2,809	7,347	21,536	2,146
324	Cement, hydraulic	10	2,930	8,154	2,546	6,755	20,325	2,037
327	Concrete and plaster products	13	141	295	132	265	410	67
33	Primary metal industries	10	17,717	(d)	14,998	(d)	(d)	(d)
34	Fabricated metal products	18	1,804	5,090	1,540	4,102	8,696	186
344	Structural metal products	6	1,440	4,235	1,219	3,405	7,218	31
35	Machinery (except electrical)	9	1,006	(d)	833	(d)	(d)	(d)
36	Electrical machinery	6	774	(d)	707	(d)	(d)	(d)
37	Transportation equipment	2	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	16	1,000	(d)	924	(d)	(d)	(d)
	PHILADELPHIA COUNTY							
	All industries, total [1]	**5,244**	**328,630**	**$932,184**	**268,359**	**$682,299**	**$1,759,264**	**$119,330**
20	Food and kindred products	498	33,008	91,618	24,220	57,891	181,593	12,874
201	Meat products	57	4,105	11,503	3,243	7,996	16,420	1,217
202	Dairy products	17	1,631	4,604	1,053	2,712	10,571	1,732
205	Bakery products	130	11,612	34,023	7,384	18,161	52,339	2,406
207	Confectionery and related products	69	6,105	13,523	5,206	10,058	36,226	2,110
208	Beverages	86	4,738	14,430	3,391	8,960	36,602	3,331
209	Miscellaneous food preparations	95	1,477	4,123	1,087	2,381	10,767	653
21	Tobacco manufactures	41	8,055	(d)	7,528	(d)	(d)	(d)
212	Cigars	38	7,599	11,758	7,137	10,389	27,447	392
22	Textile mill products	483	41,128	109,516	37,246	88,136	200,969	11,415
221	Woolen and worsted manufactures	82	8,493	23,233	7,686	18,736	43,198	1,649
223	Cotton and rayon broad-woven fabrics	35	2,239	7,241	2,024	5,666	13,203	399
224	Narrow fabric mills	36	2,233	5,392	2,047	4,214	8,562	345
225	Knitting mills	184	11,762	29,334	10,715	23,862	52,230	4,525
226	Finishing textiles (except wool)	32	2,483	7,289	2,158	5,353	11,839	637
227	Carpets and rugs	52	6,153	17,608	5,707	14,870	39,273	2,686
229	Miscellaneous textile goods	38	3,999	9,858	3,646	7,925	18,377	776
23	Apparel and related products	1,004	44,307	106,606	40,600	89,656	190,448	2,699
231	Men's and boys' suits and coats	182	16,263	45,610	15,052	39,908	77,993	911
232	Men's and boys' furnishings	196	8,795	17,785	8,072	14,876	31,876	525
233	Women's and misses' outerwear	261	9,713	22,796	9,092	19,533	40,606	445
235	Millinery	15	376	927	328	760	1,788	5
236	Children's outerwear	78	3,600	7,960	3,239	6,025	15,893	213
238	Miscellaneous apparel and accessories	36	1,374	2,844	1,140	1,862	4,347	177
239	Miscellaneous fabricated textiles	193	3,358	7,044	2,970	5,562	14,363	298
24	Lumber and products, except furniture	88	1,529	(d)	1,326	(d)	(d)	(d)
243	Millwork and related products	31	505	1,410	415	1,085	2,250	156
244	Wooden containers	25	679	1,483	621	1,207	2,656	72
25	Furniture and fixtures	225	4,981	13,689	4,294	10,580	22,103	768
251	Household furniture	136	2,418	6,531	2,135	5,153	10,794	276
252	Office furniture	9	352	1,071	314	767	2,167	87
253	Public and professional furniture	7	384	1,115	349	897	1,577	121
254	Partitions and fixtures	32	1,008	3,050	883	2,501	4,826	85
26	Paper and allied products	160	10,820	29,590	9,245	22,326	61,344	4,028
261	Pulp, paper, and paperboard	5	1,464	4,542	1,241	3,865	8,595	922
266	Paper bags	8	895	2,827	799	2,116	4,642	305
267	Paper board containers and boxes	90	5,500	14,377	4,735	10,863	34,432	1,525
269	Pulp goods and miscellaneous paper products	39	1,870	5,161	1,553	3,548	9,705	537
27	Printing and publishing industries	640	30,023	100,988	20,405	65,551	218,716	28,140
271	Newspapers	36	5,433	18,818	3,046	9,788	29,687	(d)
272	Periodicals	52	7,889	30,412	4,540	19,365	104,935	(d)
275	Commercial printing	327	6,594	20,117	5,489	15,560	32,236	1,375
279	Printing trades service industries	73	3,570	12,847	2,944	9,997	18,340	1,953
28	Chemicals and allied products	291	15,502	49,427	11,162	29,944	143,432	12,478
282	Industrial organic chemicals	11	3,616	13,300	2,749	8,550	32,015	4,954
283	Drugs and medicines	58	3,847	10,417	2,647	6,375	50,077	3,853
284	Soap and related products	57	1,560	5,604	1,125	2,597	13,513	687
285	Paints and allied products	52	2,529	8,062	1,748	4,564	19,217	1,250
288	Vegetable and animal oils	13	789	2,577	605	1,660	6,908	427
289	Miscellaneous chemical products	89	2,484	7,692	1,760	4,914	16,782	1,140
29	Petroleum and coal products	22	7,429	28,392	5,861	20,874	68,468	(d)
30	Rubber products	18	2,673	8,304	1,956	5,410	11,009	608
31	Leather and leather products	134	8,383	21,658	7,608	17,641	38,806	740
311	Leather tanning and finishing	19	3,636	10,788	3,299	8,552	20,098	393
312	Industrial leather belting	11	344	894	280	726	2,399	17
314	Footwear (except rubber)	20	2,168	5,214	1,965	4,477	7,598	95
316	Luggage	46	868	2,518	789	1,989	4,768	81
317	Handbags and small leather goods	13	766	1,444	718	1,286	2,755	44

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
	PHILADELPHIA COUNTY—Continued							
32	Stone, clay, and glass products	101	3,590	$10,621	2,948	$7,478	$18,500	$638
323	Products of purchased glass	26	564	1,417	501	1,114	3,274	100
327	Concrete and plaster products	18	349	971	312	813	2,591	42
329	Miscellaneous nonmetallic mineral products	39	2,163	6,849	1,663	4,457	10,413	436
33	Primary metal industries	88	7,781	24,614	6,763	19,314	34,017	1,284
332	Iron and steel foundries	17	1,316	4,269	1,133	3,369	5,493	163
339	Miscellaneous primary metal industries	11	752	2,160	658	1,614	4,928	266
34	Fabricated metal products	478	32,160	94,608	27,512	74,381	153,189	7,862
342	Cutlery, hand tools, and hardware	56	4,618	12,167	4,167	10,308	18,963	1,104
343	Heating and plumbing equipment	32	1,493	4,446	1,163	3,170	8,007	453
344	Structural metal products	130	3,875	11,536	3,255	8,750	18,717	931
346	Metal stamping and coating	98	14,780	47,409	12,562	37,218	72,906	3,375
348	Fabricated wire products	34	741	2,077	634	1,491	3,339	191
349	Miscellaneous fabricated metal products	47	2,187	6,240	1,880	4,922	11,333	701
35	Machinery (except electrical)	434	31,229	96,631	24,384	69,506	149,765	10,567
354	Metalworking machinery	85	2,096	7,117	1,782	5,502	11,393	595
355	Special-industry machinery, n.e.c.	115	7,574	24,348	6,068	17,587	41,285	1,672
356	General industrial machinery	64	8,196	26,434	5,560	17,268	43,450	3,896
358	Service and household machines	31	2,915	8,122	2,459	6,281	5,643	1,730
359	Miscellaneous machinery parts	120	8,932	26,231	7,303	19,950	40,662	2,393
36	Electrical machinery	71	21,562	60,635	16,341	43,316	137,345	3,152
361	Electrical industrial apparatus	34	9,099	28,085	5,924	17,401	58,649	1,320
363	Insulated wire and cable	4	561	1,228	519	1,095	2,174	8
37	Transportation equipment	35	8,439	26,289	6,278	17,646	23,673	1,629
371	Motor vehicles and equipment	24	4,223	12,670	3,210	8,856	18,826	706
38	Instruments and related products	98	7,626	21,968	5,429	13,227	34,772	1,036
382	Mechanical measuring instruments	19	4,227	13,573	2,567	7,212	21,691	542
384	Medical instruments and supplies	56	2,713	6,751	2,289	4,822	10,655	413
39	Miscellaneous manufactures	335	8,405	20,460	7,253	15,356	36,373	1,502
391	Jewelry and silverware	57	679	1,818	581	1,398	2,661	42
394	Toys and sporting goods	55	1,341	3,084	1,210	2,547	5,795	197
395	Office supplies	21	636	1,536	491	1,074	2,466	169
396	Costume jewelry and notions	25	1,034	2,386	885	1,585	3,937	47
399	Miscellaneous manufactures	148	4,007	9,889	3,491	7,545	18,884	859
	WASHINGTON COUNTY							
	All industries, total [1]	151	21,727	$62,302	18,914	$52,192	$101,574	$8,007
20	Food and kindred products	42	544	1,380	392	907	2,451	313
201	Meat products	8	123	298	92	199	541	112
205	Bakery products	11	107	247	78	185	341	11
208	Beverages	13	124	322	77	178	494	104
24	Lumber and products, except furniture	12	190	(d)	180	(d)	(d)	(d)
242	Lumber and timber basic products	7	112	225	109	210	147	48
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	16	233	620	134	346	1,107	50
271	Newspapers	10	205	547	111	288	969	38
28	Chemicals and allied products	6	365	(d)	270	(d)	(d)	(d)
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	31	6,634	15,841	5,947	13,617	24,710	2,558
322	Pressed and blown glassware	6	5,578	13,387	4,974	11,501	21,127	2,110
33	Primary metal industries	10	10,929	35,303	9,591	30,506	49,415	3,374
331	Blast furnaces and steel mills	5	8,795	28,707	7,675	24,794	39,289	2,430
34	Fabricated metal products	12	1,334	3,317	1,135	2,564	5,802	522
35	Machinery (except electrical)	12	405	1,235	355	970	1,890	225
36	Electrical machinery	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	4	91	(d)	86	(d)	(d)	(d)
	WESTMORELAND COUNTY							
	All industries, total [1]	313	49,313	$146,606	42,059	$118,014	$234,027	$18,757
20	Food and kindred products	72	1,275	3,468	986	2,476	6,714	810
204	Grain-mill products	6	307	743	256	556	505	95
205	Bakery products	24	242	553	171	331	900	120
208	Beverages	18	507	1,765	404	1,309	4,343	495
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	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	27	217	(d)	198	(d)	(d)	(d)
25	Furniture and fixtures	2	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	34	923	2,734	586	1,730	3,704	383
275	Commercial printing	18	587	1,827	402	1,237	2,243	301
28	Chemicals and allied products	5	232	(d)	195	(d)	(d)	(d)
29	Petroleum and coal products	22	824	2,656	753	2,317	6,740	67
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	46	7,722	20,696	6,858	17,154	35,738	2,142
322	Pressed and blown glassware	8	3,203	7,271	2,884	5,922	11,601	530
327	Concrete and plaster products	23	129	214	121	187	503	127
33	Primary metal industries	36	19,573	62,763	17,266	53,136	92,047	10,054
331	Blast furnaces and steel mills	9	13,552	43,898	12,097	37,739	65,919	7,889
332	Iron and steel foundries	17	3,592	12,127	3,226	10,551	16,202	1,243

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
34	Fabricated metal products	19	6,784	$18,323	5,853	$14,518	$27,947	$1,825
344	Structural metal products	5	179	563	137	383	879	8
347	Lighting fixtures	5	825	2,068	748	1,567	4,283	138
35	Machinery (except electrical)	20	4,833	14,457	3,503	9,546	20,887	1,778
355	Special-industry machinery, n.e.c.	6	113	326	96	276	443	29
36	Electrical machinery	7	1,323	4,045	1,067	2,982	8,881	406
361	Electrical industrial apparatus	7	1,323	4,045	1,067	2,982	8,881	406
37	Transportation equipment	3	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	7	190	(d)	152	(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	16,789	2,789	240	1,340	2,121	1,106	457	371	1,799	703	191	57	327	932	586	1,203	1,280	251	135	176	725
1-19 employees	9,519	1,999	160	429	751	924	261	104	1,400	445	85	18	106	586	166	638	716	85	53	102	491
20-99 employees	4,715	575	43	557	973	168	148	170	302	171	67	17	121	185	176	369	344	72	35	47	175
100 employees and over	2,555	215	37	354	397	14	48	97	97	87	39	22	100	161	244	196	220	94	47	27	59
Adams:																					
1-19 employees	47	16	3	------	1	9	1	------	4	1	1	------	3	3	1	1	2	------	1	------	------
20-99 employees	24	1	------	------	7	2	2	1	1	------	------	1	3	3	1	------	1	1	------	------	------
100 employees and over	18	5	1	1	2	------	3	1	------	------	------	1	4	------	------	------	------	------	------	------	------
Allegheny:																					
1-19 employees	944	188	6	1	39	29	21	6	224	58	6	1	6	59	25	89	82	16	6	16	66
20-99 employees	381	76	1	1	10	5	14	9	38	25	4	1	4	21	22	58	51	9	3	9	20
100 employees and over	256	48	------	1	3	------	1	8	10	12	6	------	1	17	60	35	23	15	8	4	4
Armstrong:																					
1-19 employees	43	9	------	------	------	16	------	------	7	2	1	------	------	2	1	------	2	------	1	------	2
20-99 employees	12	1	------	------	------	1	------	------	1	------	------	------	1	7	------	1	------	------	------	------	------
100 employees and over	12	2	------	------	------	------	------	------	------	1	------	------	------	7	1	------	1	------	------	------	------
Beaver:																					
1-19 employees	90	25	------	------	1	9	------	------	8	9	1	1	------	18	4	6	6	------	------	------	2
20-99 employees	43	3	------	------	------	3	1	------	3	2	------	------	------	13	10	5	1	------	1	------	1
100 employees and over	50	1	------	1	------	------	------	1	------	1	4	------	------	5	18	7	8	3	------	------	1
Bedford:																					
1-19 employees	40	6	------	------	------	24	------	------	4	1	------	------	------	5	------	------	------	------	------	------	------
20-99 employees	7	2	------	------	1	4	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	1	------	------	------	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Berks:																					
1-19 employees	320	94	5	56	12	10	4	6	28	12	1	------	2	11	14	15	30	1	3	1	15
20-99 employees	199	21	------	63	25	6	3	13	5	6	1	------	8	4	9	14	11	2	1	------	7
100 employees and over	98	7	2	33	11	1	------	2	1	1	------	------	4	1	12	5	8	2	4	2	2
Blair:																					
1-19 employees	70	29	------	------	------	9	------	------	12	5	2	------	------	9	1	1	------	------	------	------	2
20-99 employees	23	12	------	1	1	------	1	------	2	1	------	------	1	1	------	2	------	------	------	------	1
100 employees and over	24	3	------	4	2	------	------	6	2	------	------	------	1	2	2	------	1	1	------	------	------
Bradford:																					
1-19 employees	47	12	------	1	------	19	------	------	5	------	------	------	1	4	1	1	1	------	1	------	1
20-99 employees	18	1	------	1	4	1	------	2	3	1	------	------	2	------	1	------	------	1	------	------	1
100 employees and over	8	------	------	3	1	------	------	------	------	1	------	------	------	------	1	------	2	------	------	------	------
Bucks:																					
1-19 employees	195	42	1	47	9	8	2	1	17	7	1	1	2	21	1	10	17	2	------	1	5
20-99 employees	84	3	1	22	21	3	------	4	2	3	------	2	------	4	2	6	2	2	1	------	6
100 employees and over	43	1	------	7	12	2	1	4	------	2	------	1	1	2	1	2	2	1	------	2	2
Butler:																					
1-19 employees	71	18	------	1	1	16	1	------	2	1	------	------	------	15	3	3	10	------	------	------	------
20-99 employees	21	4	------	------	------	2	------	------	3	------	2	------	------	2	1	4	3	------	------	------	------
100 employees and over	14	------	------	------	1	------	------	------	------	1	3	1	------	3	2	------	1	------	2	------	------
Cambria:																					
1-19 employees	90	26	------	------	2	26	1	1	14	2	2	------	------	7	1	3	3	1	------	------	1
20-99 employees	38	14	1	2	3	3	3	------	2	------	------	------	------	4	1	1	2	------	1	------	1
100 employees and over	20	2	------	1	5	------	------	------	1	------	1	------	------	2	3	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
Cameron:																					
1-19 employees	4	1				2										1					
20-99 employees	3									1			1					1			
100 employees and over	4															1	1	2			
Carbon:																					
1-19 employees	38	16		5	4	1			5	2				2	1	1					1
20-99 employees	30	2		9	11				1	1			2	2	1		1				
100 employees and over	15			2	7					1					4			1			
Centre:																					
1-19 employees	33	8		1		10		1	6					1	1		3	1	1		
20-99 employees	15	2		2	3	2			1					3			1				1
100 employees and over	11	1		1	2									4	1	1					1
Chester:																					
1-19 employees	110	33		12	4	6	1	1	16	8	1			9	1	6	9				3
20-99 employees	56	10		11	4			6	5	3				2	1	5	7				2
100 employees and over	40	4		6	3	1	1	7		1		1		2	4	4	4	1			1
Clarion:																					
1-19 employees	49	9				30			8					1	1						
20-99 employees	8					4	1	1						2							
100 employees and over	5											1		4							
Clearfield:																					
1-19 employees	61	14				31			7	1				4			1	2			1
20-99 employees	21	4		1	3	2		1	2				1	5		1	1				
100 employees and over	18				2							1	2	9	1		1	2			
Clinton:																					
1-19 employees	28	8				11	1		3	1	1			2		1					
20-99 employees	10	2				1	1	1	2					1		1					1
100 employees and over	14			2	1			3		1			1	2	1	1		1	1		
Columbia:																					
1-19 employees	52	24		3	1	10			4	2				3	1	1	2				1
20-99 employees	29	5		6	10				2					1	1		3				1
100 employees and over	13	1		7	2										1		1		1		
Crawford:																					
1-19 employees	59	13		2	1	19	2		5	1				4	2	6	4				
20-99 employees	21	4		1		3	1		2		1					3	3			2	1
100 employees and over	14	1								1	1	1			4	3	1	1			1
Cumberland:																					
1-19 employees	71	25	2	2		7	2	1	10	2			1	10	1	3	1	1			3
20-99 employees	41	8		7	10	2	1	2	3	1			1			1	1	4			
100 employees and over	19	1		1	6	1		3				1	2		2	1	1				
Dauphin:																					
1-19 employees	131	47	1		2	7	3	1	34	9			1	9	2	2	3	1	2	1	6
20-99 employees	67	19		2	13	4	2	1	2	2	1	1	5	5		3	5		1		1
100 employees and over	38	5	1	2	9				5		1		4		4	3	3		1		
Delaware:																					
1-19 employees	184	27		3	3	7	6	5	35	15	3	1	3	11	5	12	26	5	3	2	12
20-99 employees	71	11		6	4	5	2	4	2	5	1	1	1	4	2	10	8	3		1	1
100 employees and over	55	2		12	1			3	2	8	3			1	7	3	4	2	5	1	1
Elk:																					
1-19 employees	22	6				3			5	3				2			1		1		1
20-99 employees	13	2				3								2	2		2	2			
100 employees and over	16							2		1			5	1			1	6			
Erie:																					
1-19 employees	196	39			6	21	1	2	29	5	3		1	10	4	19	43	1	2	1	9
20-99 employees	100	13				9	2	4	6	2				2	11	15	16	7	2	2	9
100 employees and over	72	5			1		5	3	3		2	2	1	1	11	9	14	7	1	2	5
Fayette:																					
1-19 employees	110	24	1		2	30	1		10	3	15	2		11	2	5	2				2
20-99 employees	48	5	1	1		3			2		26			4	1		4				1
100 employees and over	19	3			2				1	2	1	1		5		3			1		
Forest:																					
1-19 employees	7					5			1						1						
20-99 employees	2					2															
100 employees and over	2												1	1							
Franklin:																					
1-19 employees	53	17				10	2		7		1			8		2	3	1	1		1
20-99 employees	22	6		2	3		3	1	2						1		4				
100 employees and over	20	3		3	4			1					2		1		6				
Fulton:																					
1-19 employees	18	4				10			2					2							
Greene:																					
1-19 employees	17	3				8			2					3	1						
20-99 employees	6	2				1			1		1			1							
Huntingdon:																					
1-19 employees	43	5				28			3					5	2						
20-99 employees	15	4				3			3								3		1		1
100 employees and over	7			1	1			1						4							
Indiana:																					
1-19 employees	59	11				33			9		1			3		1			1		
20-99 employees	10	2			1				1		1		2		1	1	1				
100 employees and over	5											1		2			1				1
Jefferson:																					
1-19 employees	56	15				25			6	1				3	1	1	3				1
20-99 employees	16	1		1	3	2			2	1				1		3			1		1
100 employees and over	9	1			1	1								4				2			
Juniata:																					
1-19 employees	25	6		1		14			3					1							
20-99 employees	5	1			4																
100 employees and over	3				2									1							
Lackawanna:																					
1-19 employees	200	63	2	5	24	10	5		33	11	1			10	3	10	9	1			13
20-99 employees	130	16	1	15	58	1	4	1	3	4			4	3	2	5	5	1	1		6
100 employees and over	64	5	3	16	21			1	4				2			4	4	2			2
Lancaster:																					
1-19 employees	301	107	14	8	6	16	8		35	18	3		1	14	12	16	24	1	2	3	13
20-99 employees	167	27	3	20	41	3	3	10	10				5	5	9	7	10		1		13
100 employees and over	85	7	1	17	9			1	2	1			12	1	3	14	11	2	1	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
Lawrence:																					
1-19 employees	63	16			1	6			8	1	1			8	3	10	3	1	1	1	3
20-99 employees	30	3			1	1	2		2	1	1			5	3	5	4	1			1
100 employees and over	20				1					1				7	3	3	5				
Lebanon:																					
1-19 employees	79	34	1	3	5	5		1	8	6				7	1	3	3				2
20-99 employees	58	12	1	3	21			3	4	1			4		3	3	3				
100 employees and over	32	2		7	10			1					6	2	3	1					
Lehigh:																					
1-19 employees	206	59	2	18	27	7	3		25	5		2	1	17	1	6	16			6	11
20-99 employees	173	21	1	38	50	3	8	4	5	5		1	3	3	5	9	9	3	1	1	3
100 employees and over	81	4	3	22	21	1			1	2			2	5	2	7	4	6	1		
Luzerne:																					
1-19 employees	219	72	2	3	19	7	6	1	42	7	2		4	16	3	6	12		4	2	11
20-99 employees	164	26	3	19	78	3	3	4	3	2			5	1	3	8	6				
100 employees and over	85	9	6	21	28	1	1		4	1			2		3	1	6	2			
Lycoming:																					
1-19 employees	130	29		1		40	6	1	16	7	1		1	11	2	3	4	2		1	5
20-99 employees	52	5		5	6	8	5	1	1			2	5	1	2	6	3	1		1	
100 employees and over	41	1		6	6		7	2	2	1			3		4	2	3	3	1		
McKean:																					
1-19 employees	52	11				10	1		6	9	1			3	1	2	4			1	3
20-99 employees	24	1				5			2	5			3	4		1	1	1			1
100 employees and over	17			1	1	1	2	1		1	2		1	3		1	2				1
Mercer:																					
1-19 employees	80	20			2	17	1		10	2	2			6		6	8				6
20-99 employees	20	4			1		2		1	1			1		3	4	3				
100 employees and over	16								1						7	4	2	1	1		
Mifflin:																					
1-19 employees	32	12				9			4	1	1			5							
20-99 employees	9	4		2					1						1	1					
100 employees and over	6			1	1					1				1	1		1				
Monroe:																					
1-19 employees	36	6		6	3	6			3	2				4		3	2			1	
20-99 employees	20	1		9	3				1	1				1	2	1	1				
100 employees and over	10			2	1			1	1							1	2	1			1
Montgomery:																					
1-19 employees	320	60	2	38	11	11	6	3	41	13	4	1	1	28	7	25	43	2		4	20
20-99 employees	219	13		43	33	5	5	10	6	7		2	8	19	10	24	21	4	2	2	5
100 employees and over	109	6		19	16		2	3	1	2	1	3	1	12	12	10	10	3	5		3
Montour:																					
1-19 employees	10	3			2	1			2		1			1							
20-99 employees	8				3	1			1						2						1
100 employees and over	3			1			1										1				
Northampton:																					
1-19 employees	158	41	1	7	21	4	3	3	27	1				21	3	8	3	4	1	1	9
20-99 employees	116	10		16	57	1		2	4	4				4	2	8	3	1			4
100 employees and over	75	1		13	24	1	1	2	2	3	1		2	10	5	2	3	1	1		3
Northumberland:																					
1-19 employees	64	31	1	3	1	2			5	6				7	1	2				1	4
20-99 employees	52	10	1	11	8	1		2	5		1	1		5	2	1	3				1
100 employees and over	27	1	1	6	13		2							1	1			1	1		
Perry:																					
1-19 employees	36	13		2	1	11			7					1	1						
20-99 employees	8	1			6																1
100 employees and over	2				1											1					
Philadelphia:																					
1-19 employees	3,090	312	25	179	515	65	158	61	467	182	8	9	72	73	38	311	268	34	17	57	239
20-99 employees	1,510	115	4	192	375	22	59	69	126	76	8	3	40	17	33	130	110	18	12	28	73
100 employees and over	644	71	12	112	114	1	8	30	47	33	6	6	22	11	17	37	56	19	6	13	23
Pike:																					
1-19 employees	12				1	7		1	1	1						1					
20-99 employees	2			1		1															
Potter:																					
1-19 employees	22	4				11	1		3	1				2							
20-99 employees	6	1		1									1		1					1	1
100 employees and over	3									1			1					1			
Schuylkill:																					
1-19 employees	108	46		8	8	6		1	18					9	1	3	6		1		1
20-99 employees	85	10		18	35			5	5		3		3	1		1	2	1			1
100 employees and over	51	2	1	6	31					2			5		3	1					
Snyder:																					
1-19 employees	18	7			1				3	1				4		1	1				
20-99 employees	15			3	6			2					1	2					1		
100 employees and over	5			3	1		1														
Somerset:																					
1-19 employees	64	11	1		1	28			7	1				9	2	1	2				1
20-99 employees	13	4			2	6			1												
100 employees and over	1				1																
Sullivan:																					
1-19 employees	10					7			1					1			1				
20-99 employees	5			1		4															
100 employees and over	1				1																
Susquehanna:																					
1-19 employees	21	4			1	10			2					1		1	2				
20-99 employees	9	2		1	1	1	1		1						1		1				
100 employees and over	3				1	1							1								
Tioga:																					
1-19 employees	31	6				17			5				1	2							
20-99 employees	10	1			2	4				1					2						
100 employees and over	5												2	1			2				
Union:																					
1-19 employees	17	6				3	1		4					1		1	1				
20-99 employees	9	2		3	2	1									1						
100 employees and over	3			1			2														
Venango:																					
1-19 employees	69	13				33	1		5	2	4			2	1	2	4		1		1
20-99 employees	14	2							1		2				3	1	3		2		
100 employees and over	18					1			2	1	4			1	2	2	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
Warren:																					
1–19 employees	38	5	------	------	------	11	1	------	5	5	2	------	------	4	------	2	------	1	2	------	------
20–99 employees	28	2	------	------	------	6	3	------	2	------	2	------	------	1	1	2	6	1	1	------	1
100 employees and over	14	------	------	------	------	1	2	------	------	------	1	------	------	1	2	4	1	1	1	------	------
Washington:																					
1–19 employees	87	35	------	------	------	8	1	------	12	1	------	------	------	17	------	4	7	------	------	------	2
20–99 employees	37	6	------	------	------	4	------	1	4	3	------	1	------	5	------	6	4	1	------	------	2
100 employees and over	27	1	------	------	------	------	------	1	------	2	------	------	------	9	10	2	1	1	------	------	------
Wayne:																					
1–19 employees	33	7	------	4	2	9	1	1	5	------	------	------	------	2	------	1	1	------	------	------	------
20–99 employees	17	------	------	8	4	2	1	------	------	------	------	------	1	------	------	------	1	------	------	------	------
100 employees and over	5	------	------	------	1	------	------	------	------	------	------	------	3	------	------	------	1	------	------	------	------
Westmoreland:																					
1–19 employees	187	61	1	------	3	25	1	------	25	3	10	------	------	27	5	6	13	2	------	1	4
20–99 employees	64	9	------	------	4	2	1	------	8	1	11	1	------	4	10	3	3	3	1	------	3
100 employees and over	62	2	------	1	------	------	------	------	1	1	1	1	------	15	21	10	4	2	2	1	------
Wyoming:																					
1–19 employees	18	6	------	------	------	5	------	------	3	1	1	------	------	2	------	------	------	------	------	------	------
20–99 employees	5	1	------	------	3	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
100 employees and over	2	------	------	------	------	------	------	------	------	------	------	------	2	------	------	------	------	------	------	------	------
York:																					
1–19 employees	325	79	89	9	8	14	8	6	27	7	3	------	5	13	3	14	25	5	1	1	8
20–99 employees	177	25	25	9	32	6	14	6	6	5	1	------	5	10	7	9	11	4	1	------	1
100 employees and over	95	7	6	11	12	------	8	9	4	------	1	------	4	1	4	9	12	------	2	1	4

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	**$3,918,901**	**1,439,534**	**1,425,362**	**1,430,919**	**1,427,751**	**1,424,792**	**1,418,712**	**1,409,232**	**1,405,831**	**1,391,738**	**1,418,115**	**1,432,390**	**1,446,151**	**1,448,784**	**1,449,917**
20	Food and kindred products	264,108	103,370	100,904	101,133	97,921	96,483	96,053	96,773	97,893	101,000	103,406	108,098	104,892	104,430	102,767
21	Tobacco manufactures	31,151	19,382	19,288	20,942	21,057	20,104	18,242	17,521	18,013	17,853	18,899	19,117	19,868	19,940	19,896
22	Textile mill products	336,950	138,659	138,018	142,650	141,771	141,080	137,796	133,972	129,557	128,542	134,224	136,829	141,485	143,223	145,086
23	Apparel and related products	263,334	140,906	136,673	133,400	136,516	137,137	135,340	133,254	132,593	130,910	135,888	138,661	142,517	142,444	141,414
24	Lumber and products, except furniture	30,680	15,423	14,985	15,657	15,493	15,312	15,139	14,878	14,869	14,785	14,757	14,742	14,841	14,853	14,498
25	Furniture and fixtures	45,654	18,645	18,113	18,016	18,195	18,326	18,214	17,719	17,698	16,691	17,568	17,690	18,690	19,149	19,394
26	Paper and allied products	96,337	35,280	35,264	35,280	35,289	35,381	35,140	34,991	35,001	34,943	35,089	35,239	35,628	35,630	35,551
27	Printing and publishing industries	170,226	54,686	54,411	52,770	53,070	53,448	53,621	54,187	54,467	54,550	54,928	54,993	55,474	55,673	55,755
28	Chemicals and allied products	131,379	43,648	43,135	43,567	43,329	42,915	43,108	43,077	42,410	42,328	42,933	43,568	43,862	43,191	43,333
29	Petroleum and coal products	100,411	29,325	29,318	28,353	28,074	28,357	28,728	29,272	29,710	29,826	30,180	29,834	30,015	29,817	29,649
30	Rubber products	47,568	15,149	15,112	15,861	15,958	16,070	15,826	15,031	14,792	14,511	14,541	14,810	14,771	14,638	14,530
31	Leather and leather products	66,000	31,094	30,897	30,177	30,602	30,875	30,269	29,905	29,846	30,008	30,788	31,352	32,155	32,406	32,383
32	Stone, clay, and glass products	190,924	72,871	72,474	73,365	71,503	71,987	73,637	72,383	72,723	71,213	72,076	72,407	72,904	72,607	72,885
33	Primary metal industries	808,729	263,542	263,320	263,046	262,611	261,590	263,687	265,388	266,516	263,452	266,156	262,231	262,221	261,062	261,885
34	Fabricated metal products	319,482	113,461	111,984	113,355	112,886	112,218	112,296	112,017	111,215	108,808	110,353	111,978	112,214	113,038	113,432
35	Machinery (except electrical)	413,455	136,069	134,843	132,177	132,714	132,936	133,131	133,297	135,363	133,490	134,215	135,580	137,162	138,548	139,506
36	Electrical machinery	274,357	92,659	92,607	92,454	92,867	92,820	92,122	91,961	92,114	90,785	91,350	92,071	93,511	94,283	94,942
37	Transportation equipment	196,989	64,614	64,546	68,720	67,960	67,559	66,589	64,472	62,962	60,976	61,859	63,665	63,457	63,224	63,106
38	Instruments and related products	56,821	20,678	20,467	20,899	20,913	20,944	20,712	20,399	20,373	19,413	20,313	20,340	20,394	20,365	20,540
39	Miscellaneous manufactures	74,346	30,073	29,003	29,097	29,022	29,250	29,062	28,735	27,716	27,654	28,592	29,185	30,090	30,263	29,365

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]			
		Allentown-Bethlehem-Easton	Erie	Philadelphia	Pittsburgh	Reading	York	Youngstown	Allegheny	Beaver	Cambria	Dauphin
ALL ESTABLISHMENTS												
Number of establishments	16,789	898	368	7,399	2,228	617	597	552	1,581	183	148	236
Number of employees (average for the year)	1,439,534	88,539	46,285	532,492	337,974	53,423	41,932	108,654	222,506	44,428	22,249	23,189
Salaries and wages, total	$3,918,901	$222,094	$134,693	$1,530,946	$1,023,913	$136,503	$100,709	$330,825	$675,249	$139,756	$60,400	$57,544
Value added by manufacture	$6,946,958	$360,314	$224,906	$2,803,106	$1,707,918	$230,962	$189,357	$567,307	$1,139,168	$233,149	$95,796	$114,307
Establishments by employment size group:												
1-4 employees	4,159	189	84	1,905	532	130	138	161	364	33	36	53
5-9 employees	2,825	117	68	1,194	416	87	103	81	300	32	32	42
10-19 employees	2,535	107	44	1,205	360	103	84	68	280	25	22	36
20-49 employees	2,890	167	61	1,359	363	118	93	86	271	26	27	39
50-99 employees	1,825	142	39	747	162	81	84	35	110	17	11	28
100-249 employees	1,488	103	37	604	174	48	57	43	119	21	9	22
250-499 employees	593	48	16	237	82	31	27	35	48	13	5	10
500-999 employees	265	19	14	71	69	12	7	23	45	7	3	2
1,000-2,499 employees	140	4	3	54	41	6	3	12	24	5	2	2
2,500 employees and over	69	2	2	23	29	1	1	8	20	4	1	2
ESTABLISHMENTS REPORTING DETAILED STATISTICS												
Number of establishments	12,967	738	297	5,706	1,722	513	511	439	1,204	156	109	182
Number of employees (average for the year)	1,418,851	87,529	46,020	523,707	335,353	52,791	41,552	108,227	220,473	44,326	21,984	22,878
Salaries and wages, total	$3,883,900	$220,573	$134,173	$1,514,475	$1,019,104	$135,479	$100,234	$329,994	$671,409	$139,554	$59,869	$57,069
Value added by manufacture	$6,886,945	$357,746	$223,909	$2,773,367	$1,699,890	$229,104	$188,398	$565,762	$1,132,778	$232,856	$94,924	$113,484
Number of employees for pay period ended nearest Oct. 15:												
All employees	1,440,398	88,552	47,225	534,593	339,013	53,560	41,265	110,227	223,945	44,721	22,445	23,380
Male	1,050,746	59,527	36,203	375,068	298,345	34,808	27,382	96,991	194,651	41,653	19,641	17,370
Female	389,652	29,025	11,022	159,525	40,668	18,752	13,883	13,236	29,294	3,068	2,804	6,010
Production workers	1,219,195	76,236	38,896	439,994	284,256	47,045	35,040	95,614	185,134	38,882	20,274	20,051
Male	895,913	50,629	30,659	310,622	257,905	30,359	23,191	86,192	165,977	37,191	17,845	14,830
Female	323,282	25,607	8,237	129,372	26,351	16,686	11,849	9,422	19,157	1,691	2,429	5,221
Force-account construction workers	3,149	70	25	852	1,262	103	9	90	758	288	--------	11
Administrative, supervisory, sales, and all other	218,054	12,246	8,304	93,747	53,495	6,412	6,216	14,523	38,053	5,551	2,171	3,318
Male	151,659	8,840	5,519	63,599	39,184	4,346	4,183	10,709	27,922	4,174	1,796	2,529
Female	66,395	3,406	2,785	30,148	14,311	2,066	2,033	3,814	10,131	1,377	375	789
Expenditures for plant and equipment:												
New plant and equipment	$533,895	$31,766	$17,815	$203,521	$139,521	$19,063	$15,140	$33,784	$70,603	$42,157	$7,768	$7,009
Construction and major alteration of fixed plants	201,376	12,414	4,045	92,762	52,203	4,867	4,513	13,163	26,569	14,442	3,208	1,077
Buildings	125,447	10,250	3,577	51,453	29,309	4,374	4,063	6,815	16,418	6,652	1,661	1,014
Other construction	74,929	2,164	468	41,309	22,894	493	450	6,348	10,151	7,790	1,547	63
Machinery and equipment	312,429	19,352	13,770	110,759	87,321	14,196	10,627	20,621	44,034	27,715	4,560	5,932
Production machinery and equipment	291,423	15,946	12,629	95,312	78,764	12,823	9,637	18,455	37,697	26,734	2,164	4,564
Other machinery and equipment	41,006	3,406	1,141	15,447	8,557	1,373	990	2,166	6,337	981	2,396	1,368
Used plant and equipment and land	47,453	2,802	679	13,482	10,075	1,720	542	2,318	5,104	3,196	298	410

See footnotes 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 [1]—Continued										
	Delaware	Lackawanna	Lancaster	Lehigh	Luzerne	Mercer	Montgomery	Northampton	Philadelphia	Washington	Westmoreland
ALL ESTABLISHMENTS											
Number of establishments	310	394	553	460	468	116	648	349	5,244	151	313
Number of employees (average for the year)	47,255	24,879	38,707	35,732	35,608	20,639	57,005	43,764	328,630	21,727	49,313
Salaries and wages, total	$148,016	$50,705	$93,251	$86,471	$73,279	$65,231	$165,442	$110,373	$932,184	$62,302	$146,606
Value added by manufacture	$257,820	$83,654	$177,087	$148,402	$126,075	$121,530	$283,815	$170,846	$1,759,264	$101,574	$234,027
Establishments by employment size group:											
1-4 employees	92	84	153	91	105	40	138	72	1,325	45	90
5-9 employees	47	43	77	63	61	22	90	40	886	24	60
10-19 employees	45	73	71	52	53	18	92	46	879	18	37
20-49 employees	42	65	98	95	96	13	123	65	1,002	28	38
50-99 employees	29	65	69	78	68	7	96	51	508	9	26
100-249 employees	23	43	55	48	52	7	66	44	407	11	23
250-499 employees	19	14	19	24	18	4	21	20	155	5	16
500-999 employees	4	6	7	7	13	1	12	9	42	5	12
1,000-2,499 employees	3	1	2	1	2	2	8	1	29	4	8
2,500 employees and over	6	----------	2	1	----------	2	2	1	11	2	3
ESTABLISHMENTS REPORTING DETAILED STATISTICS											
Number of establishments	229	308	464	380	372	83	527	287	4,038	122	240
Number of employees (average for the year)	46,842	24,082	38,436	35,207	34,920	20,524	56,352	43,362	322,506	21,572	48,982
Salaries and wages, total	$147,096	$49,570	$92,825	$85,682	$72,324	$65,057	$164,323	$109,797	$920,567	$62,068	$146,073
Value added by manufacture	$256,318	$81,946	$176,284	$147,088	$124,745	$121,196	$281,890	$169,924	$1,737,976	$101,144	$233,112
Number of employees for pay period ended nearest Oct. 15:											
All employees	46,529	24,610	36,503	36,093	35,169	21,221	56,175	43,346	333,121	21,655	48,692
Male	39,917	11,607	23,841	21,131	15,072	18,973	41,500	31,254	222,811	18,925	43,116
Female	6,612	13,003	12,662	14,962	20,097	2,248	14,675	12,092	110,310	2,730	5,576
Production workers	38,480	21,779	31,495	30,870	31,569	17,586	48,118	37,983	271,960	18,934	41,306
Male	33,792	9,765	20,477	17,671	12,705	16,409	35,857	26,918	182,224	16,942	37,795
Female	4,688	12,014	11,018	13,199	18,864	1,177	12,261	11,065	89,736	1,992	3,511
Force-account construction workers	357	5	6	14	8	41	15	55	325	29	187
Administrative, supervisory, sales, and all other	7,692	2,826	5,002	5,209	3,592	3,594	8,042	5,308	60,836	2,692	7,199
Male	5,768	1,837	3,358	3,458	2,361	2,523	5,628	4,281	40,263	1,954	5,134
Female	1,924	989	1,644	1,751	1,231	1,071	2,414	1,027	20,573	738	2,065
Expenditures for plant and equipment:											
New plant and equipment	$23,235	$6,774	$12,296	$15,627	$7,185	$4,497	$27,995	$11,381	$119,330	$8,007	$18,757
Construction and major alteration of fixed plants	16,803	2,235	2,797	7,210	2,355	1,220	12,538	3,300	54,044	3,168	8,024
Buildings	2,599	2,079	2,674	5,668	2,108	852	8,172	2,782	33,722	2,400	3,839
Other construction	14,204	156	123	1,542	247	368	4,366	518	20,322	768	4,185
Machinery and equipment	6,432	4,539	9,499	8,417	4,830	3,277	15,457	8,081	65,286	4,839	10,733
Production machinery and equipment	5,737	3,793	8,374	6,605	3,688	2,813	14,207	6,650	55,433	4,164	10,169
Other machinery and equipment	695	746	1,125	1,812	1,142	464	1,250	1,431	9,853	675	564
Used plant and equipment and land	1,161	226	1,426	1,164	200	581	2,331	1,212	6,978	745	1,030

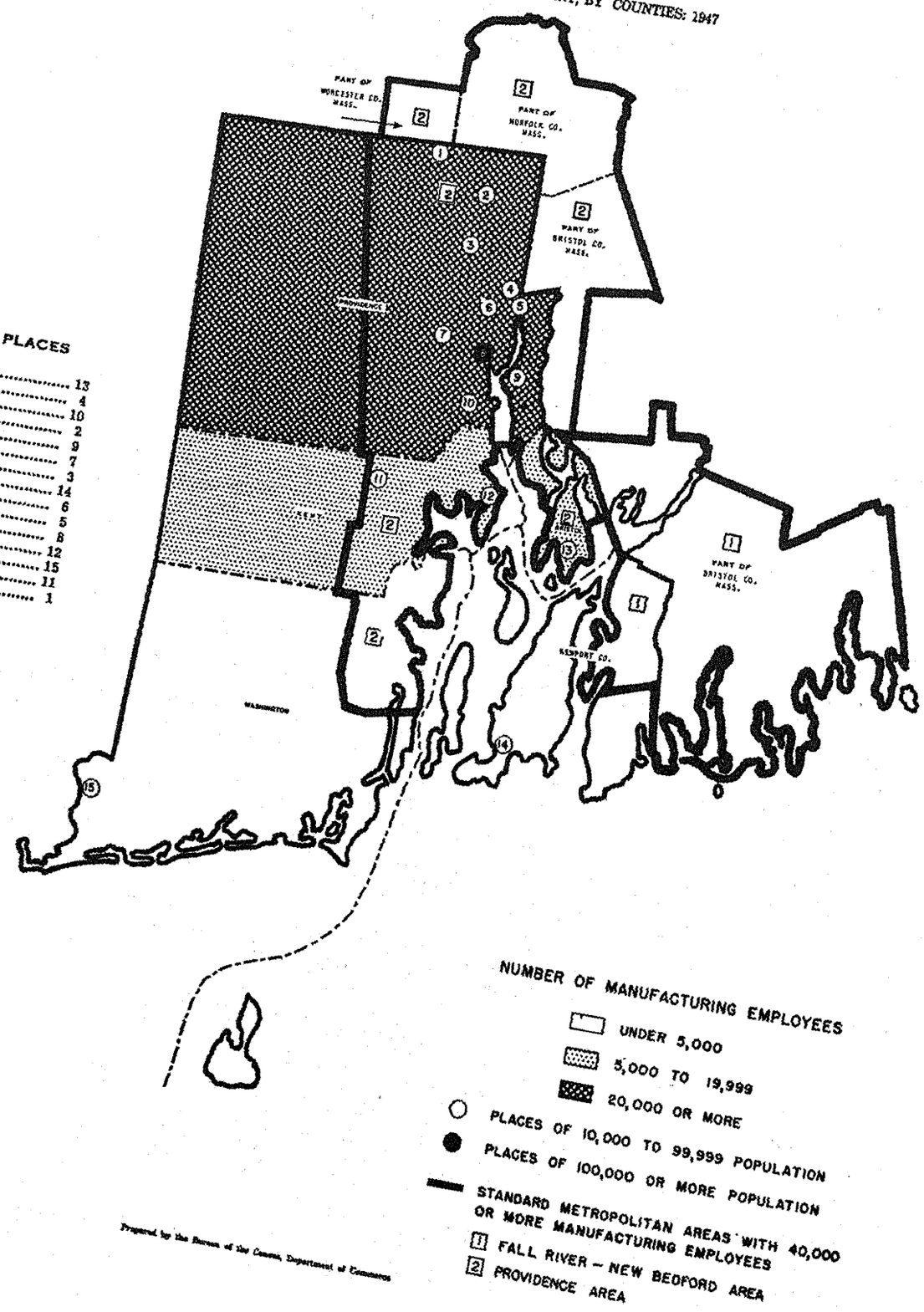
[1] The following principal industrial counties are coextensive with standard metropolitan areas, as indicated: *Berks County*—Reading Metropolitan Area; *Erie County*—Erie Metropolitan Area; *York County*—York Metropolitan Area.

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	25,598	11,016	7,731	3,992	1,109	1,151	599	226	1,095
Van	2,312	----------	778	959	276	205	94	----------	----------
Stake or platform	6,511	757	2,906	1,585	506	480	277	----------	----------
Panel or light delivery	11,077	9,351	1,726	----------	----------	----------	----------	----------	----------
All other	5,698	908	2,321	1,448	327	466	228	----------	----------
Truck tractors	1,149	53	98	288	232	166	312	----------	----------
Trailers and semitrailers	1,647	----------	----------	----------	----------	----------	----------	170	57

RHODE ISLAND

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 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 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	
RHODE ISLAND						
1947	2,214	146,850	$374,582	128,130	$297,599	$658,420
1939 [3]	1,399	122,671	141,262	106,089	105,216	237,698
1937	1,409	120,415	141,805	108,031	112,933	240,458
1935 [4]	1,420	111,984	119,243	100,852	94,322	186,296
1933	1,254	n.a.	n.a.	92,512	76,124	167,313
1931	1,473	n.a.	n.a.	95,435	96,036	211,322
1929	1,701	140,116	182,899	126,068	144,197	324,078
1927	1,497	n.a.	n.a.	120,009	138,896	279,126
1925	1,595	n.a.	n.a.	120,346	138,126	276,699
1923	1,691	n.a.	n.a.	134,667	152,500	316,844
1921	1,759	n.a.	n.a.	112,745	119,414	239,425
1919	2,367	153,499	168,068	139,316	137,105	330,590
1914	2,162	122,080	72,521	113,293	59,274	116,952
1909	1,951	120,920	65,811	113,538	55,234	122,152
1904	1,617	102,738	50,153	97,318	43,113	89,237
1899	1,678	92,219	41,296	88,197	35,995	77,599
FALL RIVER—NEW BEDFORD METROPOLITAN AREA (For definition of area, see footnote [5] 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 [7] 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

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 $238.3 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 $196.3 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 *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.

[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 2.9 percent of the total value added by manufacture for the Providence Metropolitan Area and 1.1 percent of the total value added by manufacture for the Fall River-New Bedford Metropolitan Area.

The 1939 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 relation between the revised and unrevised 1939 totals for Bristol, Kent, and Providence Counties (R. I.) and Bristol County (Mass.), which are considered to be reasonable approximations to these two areas for this purpose.

[7] 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.

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	**713,346**	**2,214**	**146,850**	**$374,582**	**128,130**	**$297,599**	**$658,420**	**1,399**	**106,089**	**$237,698**
STANDARD METROPOLITAN AREAS										
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 Rhode Island	5,018	4	9	17	9	17	33	(1)	(1)	(1)
Portion in Massachusetts	264,554	584	62,563	142,405	57,370	122,607	244,313	451	48,127	72,661
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 Rhode Island	616,878	2,065	137,424	351,167	119,512	277,674	617,891	1,236	85,438	195,983
Portion in Massachusetts	59,888	300	17,189	46,094	14,464	35,029	75,851	175	9,973	22,348

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, 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										
Bristol	25,548	49	5,832	$13,637	5,184	$11,356	$27,181	41	4,671	$8,237
Kent	58,311	131	7,415	18,713	6,695	15,341	35,112	84	6,939	15,466
Newport	46,696	40	775	1,607	663	1,323	2,719	22	1,108	1,459
Providence	550,298	1,938	128,104	328,373	111,274	259,474	575,386	1,203	88,727	204,659
Washington	32,493	56	4,724	12,252	4,314	10,105	18,022	49	4,644	7,877
URBAN PLACES										
Bristol	11,159	23	3,380	8,131	2,923	6,675	15,391	20	1,989	3,727
Central Falls	25,248	74	4,827	12,461	4,060	9,117	22,023	50	2,865	6,680
Cranston	47,085	67	6,604	19,596	5,334	14,570	31,117	34	3,090	10,211
Cumberland	10,625	25	4,806	11,944	4,367	10,352	22,057	2	(d)	(d)
East Providence	32,165	71	4,299	12,343	3,635	9,481	21,370	29	674	1,868
Johnston	10,672	15	819	1,716	768	1,438	2,715	2	(d)	(d)
Lincoln	10,577	16	2,161	6,007	1,886	4,902	11,274	1	(d)	(d)
Newport	30,532	26	612	1,222	512	977	2,125	19	125	(d)
North Providence	12,156	31	2,052	5,267	1,925	4,633	9,927	6	336	(d)
Pawtucket	75,797	277	20,906	50,989	18,433	41,050	99,262	195	15,028	35,140
Providence	253,504	1,180	61,230	156,118	52,188	119,758	262,822	700	40,953	99,363
Warwick	28,757	43	2,734	7,251	2,509	6,179	12,328	18	1,356	3,819
Westerly	11,199	19	2,307	6,524	2,082	5,209	8,620	16	1,119	1,958
West Warwick	18,188	56	2,574	6,377	2,231	4,758	12,818	29	3,292	7,534
Woonsocket	49,303	125	13,597	35,248	12,384	29,396	66,723	101	9,643	19,154

[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. The area totals for 1939, however, 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		
		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	**2,214**	**146,850**	**$374,582**	**128,130**	**261,472**	**$297,599**	**$658,420**	**$34,609**	**$8,117**	**$26,492**	**1,399**	**106,089**	**$237,698**
20	Food and kindred products	216	4,539	12,535	3,060	6,240	7,045	22,985	2,705	743	1,962	246	2,842	14,395
22	Textile mill products	374	62,566	158,889	57,627	117,128	135,636	282,164	13,058	2,466	10,592	292	59,369	107,069
23	Apparel and related products	81	2,825	5,356	2,538	4,779	4,401	9,517	555	355	200	39	2,482	4,021
24	Lumber and products, except furniture	38	580	1,419	516	1,091	1,158	2,476	71	8	63	28	394	901
25	Furniture and fixtures	34	792	2,175	650	1,423	1,487	2,918	133	49	84	19	317	816
26	Paper and allied products	33	1,988	5,359	1,728	3,565	3,980	8,467	(d)	(d)	(d)	29	1,198	2,596
27	Printing and publishing industries	139	3,258	9,047	2,157	4,348	5,271	15,925	737	264	473	113	1,722	8,296
28	Chemicals and allied products	59	1,349	4,347	918	1,977	2,257	10,239	608	238	370	50	630	3,500
30	Rubber products	14	6,336	15,698	5,309	10,957	12,203	27,163	1,618	221	1,397	11	3,888	10,159
31	Leather and leather products	27	430	886	373	722	622	1,835	47	1	46	16	419	684
32	Stone, clay, and glass products	35	1,053	2,698	916	1,991	2,165	4,492	276	24	252	25	564	1,666
33	Primary metal industries	47	5,099	14,310	4,485	9,369	11,961	28,568	1,360	224	1,136	32	2,539	7,148
34	Fabricated metal products	231	7,825	20,760	6,935	14,297	16,647	38,246	1,596	345	1,251	99	4,746	11,632
35	Machinery (except electrical)	192	17,310	48,338	13,707	28,209	36,389	69,170	3,843	977	2,866	87	6,947	24,240
36	Electrical machinery	26	5,289	11,533	4,671	8,983	9,317	24,135	1,266	227	1,039	20	2,567	7,860
37	Transportation equipment	20	274	659	228	504	535	881	27	14	13	10	256	908
38	Instruments and related products	26	1,712	4,631	1,501	3,279	3,652	8,354	200	20	180	15	1,115	2,800
39	Miscellaneous manufactures	612	22,917	53,613	20,238	41,474	41,148	98,206	3,643	1,044	2,599	257	13,706	27,573
	All other major industry groups	10	708	2,329	573	1,136	1,725	2,679	(d)	(d)	(d)	11	388	1,434

[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	No. 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]	**2,214**	**1,398**	**519**	**297**	**146,850**	**$374,582**	**106,089**	**128,130**	**$297,599**	**$658,420**	**$34,609**
20	Food and kindred products	216	172	33	11	4,539	12,535	2,842	3,060	7,045	22,985	2,705
201	Meat products	23	19	4	----------	311	909	91	269	638	1,598	67
2011	Meat packing, wholesale	6	4	2	----------	122	448	(d)	97	279	650	44
2013	Prepared meats	17	15	2	----------	189	461	55	172	359	948	23
202	Dairy products	21	19	2	----------	292	769	[2] 132	204	440	2,713	354
2051	Bread and other bakery products	79	61	11	7	1,895	5,407	[2] 1,574	1,140	2,629	7,042	45
208	Beverages	40	30	7	3	1,226	3,667	437	799	2,078	7,019	1,449
209	Miscellaneous food preparations	42	36	6	----------	500	1,208	354	346	735	2,691	186
2097	Manufactured ice	22	21	1	----------	197	484	72	131	320	898	----------
2099	Food preparations, n.e.c.	7	4	3	----------	132	302	75	91	162	531	33
21	Tobacco manufactures	2	2	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	374	115	106	153	62,566	158,889	59,369	57,627	135,636	282,164	13,058
221	Woolen and worsted manufactures	132	30	29	73	28,406	72,067	24,225	26,734	63,520	123,884	4,754
2211	Scouring and combing plants	12	3	3	6	2,168	6,142	(d)	2,004	5,152	13,341	775
2212	Yarn mills, wool, except carpet	42	4	4	34	11,521	27,131	8,965	10,975	24,097	46,939	1,704
2213	Woolen and worsted fabrics	67	20	16	31	13,467	35,342	12,899	12,657	31,536	59,027	2,147
2216	Finishing wool textiles	11	3	6	2	1,250	3,452	(d)	1,098	2,735	4,577	128
222	Yarn and thread mills, except wool	18	10	5	3	3,376	7,956	4,198	2,981	6,438	18,355	465
223	Cotton and rayon broad-woven fabrics	48	9	16	23	11,332	27,721	15,327	10,634	25,057	54,693	2,683
2233	Cotton broad-woven fabrics	12	1	1	10	5,314	12,644	7,304	5,075	11,841	23,446	257
2234	Rayon and related broad-woven fabrics	36	8	15	13	6,018	15,077	8,023	5,559	13,216	31,247	2,426
2241	Narrow fabric mills	57	22	21	14	5,304	12,151	4,772	4,870	10,024	19,173	509
225	Knitting mills	16	10	3	3	857	1,923	584	752	1,501	2,605	656
2256	Knit-fabric mills	10	7	3	----------	230	691	(d)	192	478	1,077	190
2261	Finishing textiles, except wool	34	3	10	21	9,019	25,757	7,753	7,861	20,351	38,989	2,932
227	Carpets and rugs	7	3	4	----------	140	272	(d)	125	224	813	2
229	Miscellaneous textile goods	60	28	18	14	4,132	11,042	2,423	3,670	8,521	23,652	1,057
2292	Lace goods	35	15	12	8	2,213	5,739	1,770	2,053	4,615	12,438	374
2295	Coated fabrics, except rubberized	6	1	3	2	554	1,719	280	457	1,185	4,040	401
23	Apparel and related products	81	47	30	4	2,825	5,356	2,482	2,538	4,401	9,517	555
232	Men's and boys' furnishings	12	9	2	1	338	605	197	299	491	1,185	12
233	Women's and misses' outerwear	18	6	12	----------	600	986	391	576	893	1,493	2
2333	Dresses, unit price	10	2	8	----------	423	685	(d)	408	637	809	2
238	Miscellaneous apparel and accessories	5	2	2	1	310	652	504	281	456	1,019	19
24	Lumber and products, except furniture	38	29	9	----------	580	1,419	394	516	1,158	2,476	71
2431	Millwork plants	10	6	4	----------	282	709	151	243	565	993	20
25	Furniture and fixtures	34	23	10	1	792	2,175	317	650	1,487	2,918	133
251	Household furniture	19	14	5	----------	355	954	(d)	300	684	1,227	83
2512	Household furniture, upholstered	6	4	2	----------	103	379	113	86	222	481	67
2541	Partitions and fixtures	8	4	4	----------	255	805	35	195	510	898	14
256	Screens, shades, and blinds	7	5	1	1	182	416	66	155	293	793	36
26	Paper and allied products	33	11	16	6	1,988	5,359	1,198	1,728	3,980	8,467	(d)
2641	Paper coating and glazing	7	4	3	----------	172	600	173	126	360	898	13
267	Paperboard containers and boxes	21	6	11	4	1,396	3,181	760	1,235	2,283	5,088	218
27	Printing and publishing industries	139	112	20	7	3,258	9,047	1,722	2,157	5,271	15,925	737
2711	Newspapers	17	11	3	3	1,253	3,930	534	609	1,887	7,614	332
2751	Commercial printing	78	67	10	1	921	2,206	469	712	1,426	3,688	134
279	Printing trades service industries	20	15	5	----------	340	1,025	222	243	697	1,538	27
2792	Engraving and plate printing	7	5	2	----------	158	386	(d)	98	230	507	2
2793	Photoengraving	8	6	2	----------	128	465	72	102	334	732	15
28	Chemicals and allied products	59	43	14	2	1,349	4,347	630	918	2,257	10,239	608
281	Industrial inorganic chemicals	4	2	2	----------	170	458	106	119	282	1,648	155
2843	Sulfonated oils and assistants	12	10	2	----------	153	522	45	87	205	1,316	79
285	Paints and allied products	11	8	2	1	289	1,089	(d)	153	354	2,268	165
289	Miscellaneous chemical products	10	9	1	----------	106	312	44	75	164	607	17
29	Petroleum and coal products	8	3	3	2	(d)	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	14	1	4	9	6,336	15,698	3,888	5,309	12,203	27,163	1,618
3021	Rubber footwear	3	----------	----------	3	2,101	4,573	(d)	1,902	3,905	8,061	171
3099	Rubber industries, n.e.c.	11	1	4	6	4,235	11,125	(d)	3,407	8,298	19,102	1,447
31	Leather and leather products	27	19	8	----------	430	886	419	373	622	1,835	47
3131	Footwear cut stock	8	4	4	----------	163	339	145	147	249	904	27
32	Stone, clay, and glass products	35	30	3	2	1,053	2,698	564	916	2,165	4,492	276
3231	Products of purchased glass	10	9	1	----------	104	197	(d)	97	173	326	9
3271	Concrete products	15	14	1	----------	119	314	(d)	105	248	563	87
33	Primary metal industries	47	33	4	10	5,099	14,310	2,539	4,485	11,961	28,568	1,360
3321	Gray-iron foundries	8	3	3	2	424	1,170	276	398	1,059	1,679	66
3361	Nonferrous foundries	17	16	1	----------	118	258	38	107	231	504	29
339	Miscellaneous primary metal industries	7	4	----------	3	2,592	6,658	(d)	2,264	5,666	14,263	703
34	Fabricated metal products	231	186	31	14	7,825	20,760	4,746	6,935	16,647	38,246	1,596
342	Cutlery, hand tools, and hardware	30	22	3	5	2,807	7,160	2,056	2,642	6,267	14,030	880
3423	Hand tools, n.e.c.	17	15	2	----------	143	371	36	132	335	530	16
343	Heating and plumbing equipment	10	6	3	1	283	945	113	206	564	2,688	106
344	Structural metal products	32	24	7	1	591	1,810	171	472	1,278	3,044	113
3441	Structural and ornamental products	16	12	3	1	318	934	76	232	598	1,793	65
346	Metal stamping and coating	103	94	8	1	1,025	2,226	732	945	1,862	3,784	122
3463	Metal stampings	15	12	2	1	360	768	(d)	316	598	1,360	80
3468	Plating and polishing	54	49	5	----------	461	1,076	(d)	430	905	1,774	38
349	Miscellaneous fabricated metal products	42	26	10	6	3,047	8,485	(d)	2,602	6,561	14,450	372

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	No. 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
35	Machinery (except electrical)	192	131	44	17	17,310	$48,338	6,947	13,707	$36,389	$69,170	$3,843
354	Metalworking machinery	55	40	8	7	8,766	23,662	3,942	6,853	18,062	32,668	1,163
3541	Machine tools	10	6	1	3	6,897	18,457	3,258	5,334	14,134	24,341	784
355	Special-industry machinery, n.e.c.	75	47	22	6	4,913	14,272	1,801	3,777	10,297	21,210	1,681
3552	Textile machinery	44	22	17	5	3,660	10,716	1,740	2,778	7,615	16,524	1,530
3559	Special-industry machinery, n.e.c.	27	21	5	1	1,232	3,511	61	980	2,639	4,606	142
359	Miscellaneous machinery parts	45	32	11	2	2,835	7,960	889	2,456	6,563	11,064	875
3599	Machine shops	35	30	4	1	961	2,209	39	846	1,770	4,187	115
36	Electrical machinery	26	7	8	11	5,289	11,533	2,567	4,671	9,317	24,135	1,266
3631	Insulated wire and cable	8	----------	3	5	1,535	3,902	1,497	1,308	3,002	8,345	363
37	Transportation equipment	20	14	6	----------	274	659	256	228	535	881	27
371	Motor vehicles and equipment	6	3	3	----------	132	300	169	106	233	409	17
373	Ships and boats	14	11	3	----------	142	359	87	122	302	472	10
38	Instruments and related products	26	12	10	4	1,712	4,631	1,115	1,501	3,652	8,354	200
39	Miscellaneous manufactures	612	408	160	44	22,917	53,613	13,706	20,238	41,148	98,206	3,643
391	Jewelry and silverware	248	150	79	19	10,325	26,751	4,940	8,972	19,884	50,888	2,256
3911	Jewelry (precious metal)	128	71	46	11	5,527	13,600	2,492	4,867	10,083	25,401	749
3913	Lapidary work	12	11	1	----------	120	285	(d)	109	210	433	37
394	Toys and sporting goods	15	11	4	----------	280	593	145	235	411	639	24
3951	Pens and mechanical pencils	18	12	5	1	468	1,173	320	427	784	2,208	77
396	Costume jewelry and notions	256	181	55	20	10,089	21,262	6,822	9,077	17,177	38,082	1,035
3961	Costume jewelry	232	163	52	17	8,806	18,535	5,522	7,912	14,964	33,632	818
3964	Needles, pins, and fasteners	8	3	3	2	917	2,121	(d)	807	1,695	3,625	204
3971	Plastics products, n.e.c.	14	7	6	1	432	861	(d)	368	639	1,720	169
399	Miscellaneous manufactures	54	41	10	3	1,259	2,808	1,388	1,107	2,122	4,435	67
3999	Miscellaneous products, n.e.c.	20	13	4	3	862	1,926	866	751	1,421	3,074	31

[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 PROVIDENCE 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]	**2,365**	**154,613**	**$397,261**	**133,976**	**$312,703**	**$693,742**	**$37,327**
20	Food and kindred products	200	4,472	12,353	3,021	6,927	22,682	2,706
201	Meat products	22	332	947	287	663	1,662	84
2013	Prepared meats	16	187	460	170	358	940	23
2024	Ice cream and ices	17	271	728	188	408	2,595	316
2051	Bread and other bakery products	76	1,866	5,366	1,127	2,596	7,593	621
208	Beverages	36	1,219	3,646	788	2,050	6,987	1,475
209	Miscellaneous food preparations	38	479	1,127	338	698	2,612	157
2097	Manufactured ice	18	176	425	119	285	851	37
2099	Food preparations, n.e.c.	8	150	336	105	184	580	33
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	333	56,294	143,565	51,825	122,461	256,091	12,853
221	Woolen and worsted manufactures	113	25,252	64,319	23,744	56,441	109,402	4,145
2211	Scouring and combing plants	14	1,969	5,558	1,821	4,660	11,463	818
2213	Woolen and worsted fabrics	49	11,448	30,274	10,769	26,990	50,806	1,629
222	Yarn and thread mills, except wool	18	3,376	7,956	2,981	6,438	18,355	465
223	Cotton and rayon broad-woven fabrics	45	10,905	26,996	10,284	24,437	53,117	3,028
2233	Cotton broad-woven fabrics	9	4,039	9,728	3,918	9,228	18,135	200
2234	Rayon and related broad-woven fabrics	36	6,866	17,268	6,366	15,209	34,982	2,828
2241	Narrow fabric mills	51	4,164	9,372	3,789	7,698	15,431	463
225	Knitting mills	18	1,004	2,353	891	1,874	3,320	1,082
2256	Knit-fabric mills	12	377	1,121	331	851	1,792	(d)
2261	Finishing textiles, except wool	33	7,886	22,485	6,855	17,856	34,976	2,761
227	Carpets and rugs	8	153	307	138	260	831	7
229	Miscellaneous textile goods	47	3,554	9,777	3,143	7,457	20,659	902
2292	Lace goods	20	1,606	4,157	1,490	3,288	9,284	305
2294	Processed textile waste	11	118	370	87	184	581	23
23	Apparel and related products	80	2,900	5,435	2,595	4,464	9,656	462
232	Men's and boys' furnishings	12	338	605	299	491	1,185	12
233	Women's and misses' outerwear	19	633	998	601	900	1,511	2
2333	Dresses, unit price	10	423	685	408	637	809	2
239	Miscellaneous fabricated textiles	31	550	1,219	453	883	2,602	47
2399	Fabricated textile products, n.e.c.	7	108	192	91	156	438	5
24	Lumber and products, except furniture	41	612	1,570	543	1,234	2,645	52
2431	Millwork plants	12	272	689	236	564	955	20
2444	Wooden boxes (except cigar boxes)	8	184	435	167	370	967	25

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR THE PROVIDENCE 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		
25	Furniture and fixtures	31	701	(d)	575	(d)	(d)	(d)
2512	Household furniture, upholstered	6	103	$379	86	$222	$481	$67
2541	Partitions and fixtures	8	255	805	195	510	898	14
256	Screens, shades, and blinds	7	182	416	155	293	793	36
26	Paper and allied products	40	2,520	7,044	2,165	4,970	11,609	2,472
2641	Paper coating and glazing	7	172	600	126	360	898	13
267	Paperboard containers and boxes	25	1,677	3,783	1,472	2,658	5,948	244
27	Printing and publishing industries	140	3,292	9,095	2,208	5,349	16,035	771
2711	Newspapers	16	1,211	3,813	592	1,844	7,465	345
2751	Commercial printing	81	995	2,356	775	1,532	3,925	155
279	Printing trades service industries	21	347	1,045	249	713	1,572	27
2703	Photoengraving	8	128	465	102	334	732	15
28	Chemicals and allied products	61	1,313	4,254	884	2,170	10,084	551
281	Industrial inorganic chemicals	4	170	458	119	282	1,648	155
284	Soap and related products	19	244	918	124	323	1,981	83
285	Paints and allied products	13	306	1,121	167	380	2,442	173
289	Miscellaneous chemical products	11	109	315	76	165	612	17
29	Petroleum and coal products	9	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	13	6,271	(d)	5,246	(d)	(d)	(d)
3021	Rubber footwear	3	2,101	4,573	1,902	3,905	8,061	171
31	Leather and leather products	28	480	997	421	716	2,116	47
3131	Footwear cut stock	8	163	339	147	249	904	27
32	Stone, clay, and glass products	36	1,063	2,683	923	2,141	4,469	280
3271	Concrete products	15	115	309	101	243	551	94
33	Primary metal industries	52	5,335	14,946	4,707	12,547	29,622	1,393
332	Iron and steel foundries	13	847	2,369	790	2,144	3,292	151
339	Miscellaneous primary metal industries	7	2,592	6,658	2,264	5,666	14,263	703
34	Fabricated metal products	277	8,521	22,642	7,568	18,202	41,620	1,629
342	Cutlery, hand tools, and hardware	34	3,013	7,766	2,832	6,794	14,978	896
3423	Hand tools, n.e.c.	20	328	935	304	829	1,386	32
343	Heating and plumbing equipment	10	283	945	206	564	2,688	106
344	Structural metal products	34	593	1,817	474	1,285	3,078	113
3441	Structural and ornamental products	17	319	937	233	601	1,804	65
346	Metal stamping and coating	139	1,458	3,330	1,334	2,752	5,914	139
3463	Metal stampings	19	487	1,223	417	891	2,260	84
3465	Enameling and lacquering	25	181	296	178	274	500	4
3468	Plating and polishing	68	706	1,618	659	1,399	2,710	51
349	Miscellaneous fabricated metal products	43	3,085	8,614	2,638	6,659	14,645	372
3495	Screw-machine products	25	355	1,091	302	854	1,789	87
35	Machinery (except electrical)	216	19,793	55,414	15,742	41,807	77,478	4,003
354	Metalworking machinery	70	9,139	24,965	7,130	18,956	34,504	1,251
3541	Machine tools	10	6,897	18,457	5,334	14,134	24,341	784
355	Special-industry machinery, n.e.c.	85	7,004	19,924	5,522	14,728	27,519	1,768
3552	Textile machinery	49	5,595	15,909	4,394	11,679	22,135	1,587
3559	Special-industry machinery, n.e.c.	30	1,257	3,582	1,003	2,707	4,722	150
36	Electrical machinery	27	5,670	12,776	4,975	10,236	26,369	1,253
361	Electrical industrial apparatus	12	2,443	5,245	2,112	4,273	9,775	537
37	Transportation equipment	15	231	(d)	189	(d)	(d)	(d)
371	Motor vehicles and equipment	6	132	300	106	233	409	17
38	Instruments and related products	29	2,764	7,508	2,423	5,893	13,239	760
3851	Ophthalmic goods	17	1,386	3,539	1,223	2,666	6,373	580
39	Miscellaneous manufactures	735	31,667	76,574	27,390	58,039	136,937	5,550
391	Jewelry and silverware	330	15,881	42,006	13,450	30,932	75,948	3,602
3911	Jewelry (precious metal)	181	8,777	21,861	7,408	16,193	38,831	1,263
3912	Jewelers' findings	119	4,762	13,476	4,083	9,566	22,971	1,824
3913	Lapidary work	13	136	299	119	224	453	37
3914	Silverware and plated ware	17	2,212	6,370	1,840	4,949	13,693	478
395	Office supplies	24	508	1,272	459	868	2,340	86
396	Costume jewelry and notions	286	12,627	27,502	11,217	21,981	49,608	1,563
3961	Costume jewelry	260	11,295	24,665	10,008	19,678	45,075	1,343
3964	Needles, pins, and fasteners	9	958	2,214	844	1,771	3,694	207
3971	Plastics products, n.e.c.	17	645	1,418	550	1,114	2,682	172
399	Miscellaneous manufactures	62	1,680	3,659	1,439	2,638	5,543	100
3999	Miscellaneous products, n. e.c.	24	1,089	2,471	903	1,707	3,784	52

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

[1] 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. Industry statistics for the *Fall River-New Bedford Metropolitan Area* (which includes Tiverton town in Newport County, R. I.) are shown in table 5 for the State of *Massachusetts*.

[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 PROVIDENCE 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]	**1,938**	**128,104**	**$328,373**	**111,274**	**$259,474**	**$575,386**	**$30,390**
20	Food and kindred products	180	4,233	11,820	2,875	6,651	21,738	2,571
205	Bakery products	68	1,833	5,311	1,108	2,561	7,448	616
208	Beverages	30	1,084	3,272	724	1,900	6,452	1,345
209	Miscellaneous food preparations	33	434	1,067	298	638	2,426	174
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	283	50,307	127,905	46,292	109,385	229,088	10,340
221	Woolen and worsted manufactures	108	25,010	63,714	23,600	56,210	111,594	4,262
223	Cotton and rayon broad-woven fabrics	38	8,749	21,833	8,187	19,668	40,228	2,422
224	Narrow fabric mills	47	3,968	8,928	3,612	7,355	14,669	424
226	Finishing textiles, except wool	25	6,084	17,199	5,207	13,413	26,644	1,828
227	Carpets and rugs	7	140	272	125	224	813	2
229	Miscellaneous textile goods	26	2,441	6,737	2,112	5,064	14,853	669
23	Apparel and related products	64	2,141	4,185	1,908	3,453	7,142	446
232	Men's and boys' furnishings	12	338	605	299	491	1,185	12
233	Women's and misses' outerwear	13	415	723	399	648	1,201	2
239	Miscellaneous fabricated textiles	26	410	983	341	688	1,854	35
24	Lumber and products, except furniture	34	467	1,137	411	912	2,047	68
25	Furniture and fixtures	29	609	1,768	493	1,162	2,410	129
26	Paper and allied products	33	1,988	5,359	1,728	3,980	8,467	(d)
264	Paper coating and glazing	7	172	600	126	360	898	13
267	Paperboard containers and boxes	21	1,396	3,181	1,235	2,283	5,088	218
27	Printing and publishing industries	115	3,003	8,422	2,034	4,990	14,894	660
275	Commercial printing	68	883	2,159	681	1,388	3,580	134
28	Chemicals and allied products	49	1,178	3,719	805	1,957	8,701	521
281	Industrial inorganic chemicals	4	170	458	119	282	1,648	155
284	Soap and related products	14	157	497	80	180	972	79
29	Petroleum and coal products	8	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	8	5,171	13,017	4,285	10,034	22,691	1,313
31	Leather and leather products	25	417	(d)	361	(d)	(d)	(d)
313	Footwear cut stock	8	163	339	147	249	904	27
32	Stone, clay, and glass products	28	1,012	2,596	877	2,069	4,308	267
323	Products of purchased glass	10	104	197	97	173	326	9
33	Primary metal industries	41	3,439	(d)	3,073	(d)	(d)	(d)
332	Iron and steel foundries	7	376	1,024	354	926	1,469	52
34	Fabricated metal products	217	7,695	20,423	6,816	16,354	37,715	1,574
342	Cutlery, hand tools, and hardware	27	2,794	7,138	2,630	6,247	14,011	880
343	Heating and plumbing equipment	10	283	945	206	564	2,688	106
346	Metal stamping and coating	99	1,003	2,182	923	1,818	3,725	122
349	Miscellaneous fabricated metal products	36	2,959	8,229	2,524	6,347	14,021	350
35	Machinery (except electrical)	171	16,966	47,334	13,410	35,620	66,901	3,770
354	Metalworking machinery	49	8,692	23,503	6,789	17,928	32,442	1,137
355	Special-industry machinery, n.e.c.	69	4,872	14,163	3,741	10,204	20,977	1,679
359	Miscellaneous machinery parts	37	2,606	7,225	2,259	6,022	9,257	830
36	Electrical machinery	24	4,729	(d)	4,134	(d)	(d)	(d)
361	Electrical industrial apparatus	9	1,502	(d)	1,271	(d)	(d)	(d)
363	Insulated wire and cable	8	1,535	3,902	1,308	3,002	8,345	363
37	Transportation equipment	7	131	302	105	235	426	17
38	Instruments and related products	25	1,711	4,629	1,500	3,650	8,354	200
39	Miscellaneous manufactures	595	22,199	(d)	19,594	(d)	(d)	(d)
395	Office supplies	22	487	1,238	440	836	2,279	85
396	Costume jewelry and notions	250	9,507	19,958	8,556	16,120	35,997	877

[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

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	**2,214**	**216**	**2**	**374**	**81**	**38**	**34**	**33**	**139**	**59**	**8**	**14**	**27**	**35**	**47**	**231**	**192**	**26**	**20**	**26**	**612**
1-19 employees	1,398	172	2	115	47	29	23	11	112	43	3	1	19	30	33	186	131	7	14	12	408
20-99 employees	519	33	------	106	30	9	10	16	20	14	3	4	8	3	4	31	44	8	6	10	160
100 employees and over	297	11	------	153	4	------	1	6	7	2	2	9	------	2	10	14	17	11	------	4	44
Bristol:																					
1-19 employees	28	8	------	1	5	------	------	------	4	------	------	------	------	1	------	------	3	------	4	1	1
20-99 employees	10	1	------	3	3	------	------	------	------	------	------	1	------	------	------	------	------	------	1	------	1
100 employees and over	11	------	------	5	1	------	------	------	------	------	------	3	------	------	1	------	------	------	------	------	1
Kent:																					
1-19 employees	74	4	------	21	1	1	1	------	8	6	------	------	1	1	3	10	10	------	1	------	6
20-99 employees	40	1	------	21	2	------	1	------	2	2	------	1	------	------	1	------	5	------	1	------	3
100 employees and over	17	------	------	15	1	------	------	------	------	------	------	------	------	------	1	------	------	------	------	------	------
Newport:																					
1-19 employees	30	11	------	------	1	------	1	------	6	1	------	------	------	------	------	1	1	------	4	------	4
20-99 employees	9	1	------	------	1	1	1	------	1	------	------	1	------	------	------	1	------	1	1	------	------
100 employees and over	1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1	------	------	------
Providence:																					
1-19 employees	1,235	140	2	87	39	26	21	11	92	36	3	1	17	24	30	174	114	7	4	11	396
20-99 employees	447	29	------	75	23	8	7	16	16	11	3	1	8	2	3	30	39	7	3	10	156
100 employees and over	256	11	------	121	2	------	1	6	7	2	2	6	------	2	8	14	17	10	------	4	43
Washington:																					
1-19 employees	31	9	------	6	1	2	------	------	2	------	------	------	1	4	------	1	3	------	1	------	1
20-99 employees	13	1	------	7	1	------	1	------	1	1	------	------	------	1	------	------	------	------	------	------	------
100 employees and over	12	------	------	12	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

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	**$374,582**	**146,850**	**144,427**	**148,013**	**148,216**	**147,530**	**143,936**	**140,069**	**138,907**	**135,153**	**137,922**	**143,293**	**148,874**	**150,643**	**150,574**
20	Food and kindred products	12,535	4,539	4,408	4,221	4,096	4,078	4,217	4,308	4,440	4,631	4,684	4,619	4,580	4,552	4,468
22	Textile mill products	158,889	62,566	62,427	64,386	64,574	64,380	62,665	61,552	60,536	58,486	58,765	61,216	62,966	64,053	65,547
23	Apparel and related products	5,356	2,825	2,668	2,570	2,639	2,672	2,653	2,621	2,568	2,336	2,576	2,716	2,846	2,845	2,971
24	Lumber and products, exc. furniture	1,419	580	514	503	502	518	512	473	507	515	520	527	534	525	526
25	Furniture and fixtures	2,175	792	714	717	708	721	680	680	699	722	725	733	734	729	723
26	Paper and allied products	5,359	1,988	1,987	2,120	2,094	2,084	2,028	1,964	1,922	1,903	1,896	1,935	1,978	2,007	1,912
27	Printing and publishing industries	9,047	3,258	3,224	3,124	3,123	3,127	3,168	3,180	3,239	3,285	3,250	3,234	3,300	3,305	3,342
28	Chemicals and allied products	4,347	1,349	1,315	1,305	1,293	1,338	1,336	1,334	1,328	1,319	1,303	1,296	1,319	1,311	1,299
30	Rubber products	15,698	6,336	6,327	7,019	7,109	6,796	6,744	5,680	5,589	5,479	5,879	6,151	6,203	6,458	6,820
31	Leather and leather products	886	430	379	376	374	359	316	285	293	339	364	398	451	475	521
32	Stone, clay, and glass products	2,698	1,053	1,008	1,027	1,038	1,017	1,057	1,061	1,056	850	836	984	1,045	1,051	1,071
33	Primary metal industries	14,310	5,099	5,091	5,189	5,279	5,256	5,325	5,287	5,206	5,093	4,904	4,926	4,915	4,839	4,877
34	Fabricated metal products	20,760	7,825	7,330	7,208	7,256	7,250	7,327	7,295	7,294	7,177	7,360	7,376	7,452	7,504	7,464
35	Machinery (except electrical)	48,338	17,310	17,056	17,725	17,794	17,942	17,869	17,970	17,754	16,026	15,608	16,021	16,863	16,522	16,582
36	Electrical machinery	11,533	5,289	5,287	5,262	5,267	5,177	4,976	4,917	4,918	4,902	5,095	5,293	5,685	6,040	5,917
37	Transportation equipment	659	274	228	244	249	248	255	246	230	220	226	211	203	204	200
38	Instruments and related products	4,631	1,712	1,685	1,782	1,749	1,723	1,647	1,658	1,691	1,666	1,649	1,659	1,650	1,666	1,678
39	Miscellaneous manufactures	53,613	22,917	22,071	22,521	22,359	22,126	20,457	18,858	18,929	19,490	21,564	23,286	25,449	25,860	23,949
	All other major industry groups	2,329	708	708	714	713	718	704	700	708	714	718	712	701	697	707

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE PROVIDENCE METROPOLITAN AREA,[1] AND PROVIDENCE COUNTY: 1947

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

ITEM	Total for the State	Providence Metropolitan Area	Providence County
ALL ESTABLISHMENTS			
Number of establishments	2,214	2,365	1,938
Number of employees (average for the year)	146,850	154,613	128,104
Salaries and wages, total	$374,582	$397,261	$328,373
Value added by manufacture	$658,420	$693,742	$575,386
Establishments by employment size group:			
1–4 employees	620	661	542
5–9 employees	391	414	346
10–19 employees	387	411	347
20–49 employees	330	366	286
50–99 employees	189	206	161
100–249 employees	161	167	138
250–499 employees	71	72	62
500–999 employees	46	48	39
1,000–2,499 employees	16	17	14
2,500 employees and over	3	3	3
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	1,683	1,794	1,472
Number of employees (average for the year)	144,243	151,779	125,868
Salaries and wages, total	$369,880	$392,086	$324,328
Value added by manufacture	$650,507	$684,926	$568,476
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	148,742	156,277	129,961
Male	88,317	93,887	77,384
Female	60,425	62,390	52,577
Production workers	129,947	135,549	113,159
Male	76,669	81,280	66,978
Female	53,278	54,269	46,181
Force-account construction workers	111	123	107
Administrative, supervisory, sales, and all other	18,684	20,605	16,695
Male	11,542	12,492	10,302
Female	7,142	8,113	6,393
Expenditures for plant and equipment:			
New plant and equipment	$34,609	$37,696	$30,390
Construction and major alteration of fixed plants	8,117	8,987	7,177
Buildings	7,064	7,855	6,173
Other construction	1,053	1,132	1,004
Machinery and equipment	26,492	28,799	23,213
Production machinery and equipment	23,447	25,449	20,353
Other machinery and equipment	3,045	3,350	2,860
Used plant and equipment and land	3,233	3,617	2,461

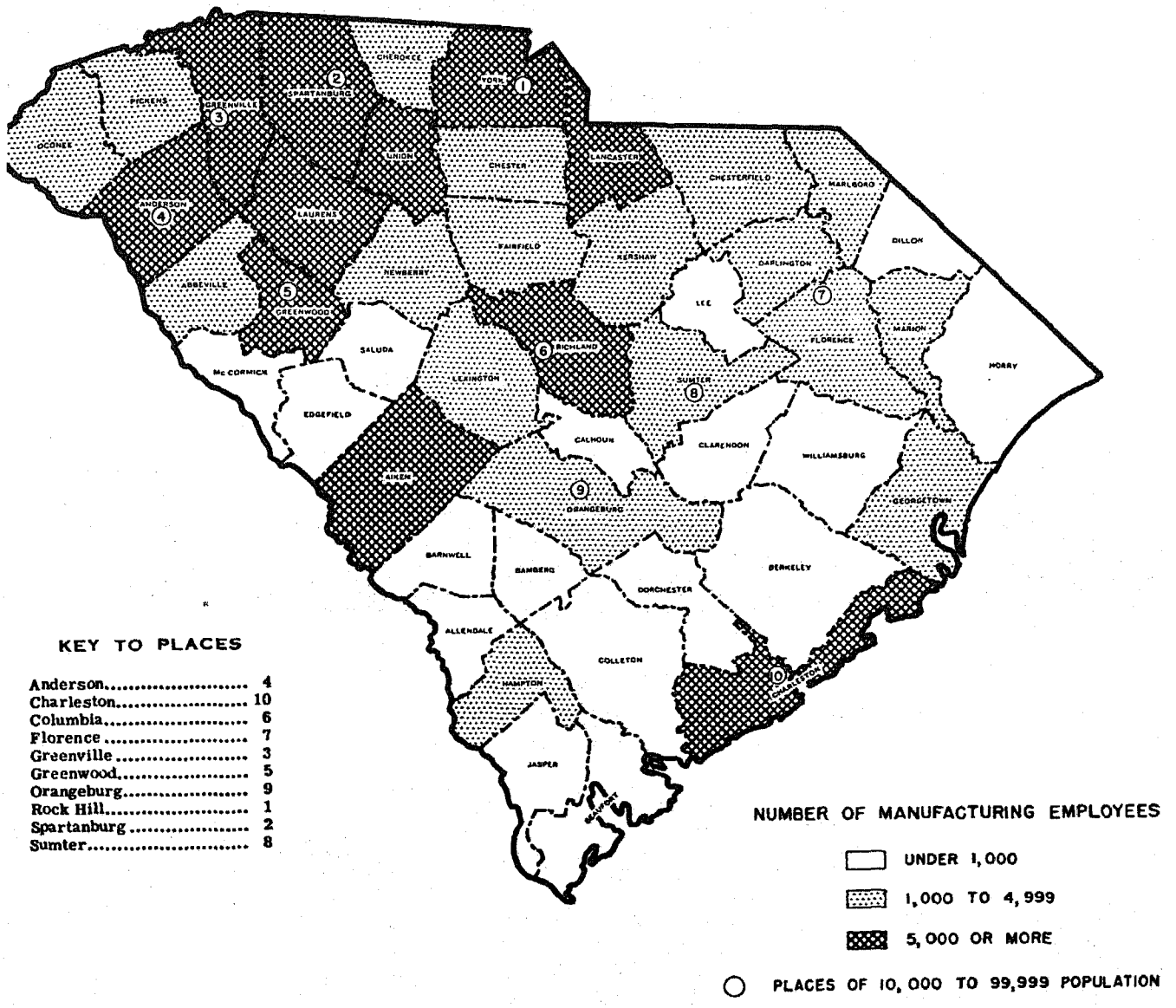
[1] Detailed statistics for the *Fall River-New Bedford Metropolitan Area* (which includes Tiverton town in Newport County, R. I.) are shown in table 9 for the State of *Massachusetts*.

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	1,923	839	525	289	101	125	44	51	53
Van	174		30	71	27	33	13		
Stake or platform	469	57	168	130	40	55	19		
Panel or light delivery	854	692	162						
All other	426	90	165	88	34	37	12		
Truck tractors	45	4	1	4	4	11	21		
Trailers and semitrailers	82							12	

SOUTH CAROLINA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Anderson	4
Charleston	10
Columbia	6
Florence	7
Greenville	3
Greenwood	5
Orangeburg	9
Rock Hill	1
Spartanburg	2
Sumter	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	2,137	188,601	$376,964	175,724	$330,465	$794,312
1939 [3]	1,300	136,094	103,171	126,408	86,280	169,294
1937	1,193	135,182	103,633	129,748	91,792	175,478
1935 [4]	1,121	113,366	76,109	108,558	65,946	112,538
1933	888	n.a.	n.a.	104,336	54,761	116,522
1931	1,044	n.a.	n.a.	87,010	50,926	109,349
1929	1,659	113,876	86,023	108,777	73,223	159,351
1927	1,059	n.a.	n.a.	108,992	74,478	151,562
1925	1,134	n.a.	n.a.	100,144	67,062	133,056
1923	1,180	n.a.	n.a.	96,802	64,753	139,206
1921	1,107	n.a.	n.a.	76,251	51,410	94,519
1919	1,821	83,982	72,336	78,918	61,934	152,301
1914	1,885	75,878	29,052	71,824	24,173	47,882
1909	1,854	76,303	24,117	73,046	20,361	46,885
1904	1,399	61,830	16,224	59,441	13,869	29,408
1899	1,369	48,444	10,438	47,025	9,130	22,850

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 $169.8 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 $116.5 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).

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	**1,899,804**	**2,137**	**188,601**	**$376,964**	**175,724**	**$330,465**	**$794,312**	**1,300**	**126,408**	**$169,294**
COUNTIES										
Abbeville	22,931	15	2,679	5,507	2,548	5,045	12,479	7	1,450	(d)
Aiken	49,916	53	6,286	12,185	6,013	10,808	19,499	25	4,831	(d)
Allendale	13,040	15	342	535	323	456	710	7	92	180
Anderson	88,712	74	13,832	26,844	13,265	24,806	64,476	51	9,980	11,740
Bamberg	18,643	18	809	1,316	774	1,222	2,117	10	433	466
Barnwell	20,138	20	338	388	321	344	520	12	457	772
Beaufort	22,037	16	292	327	284	293	572	12	350	188
Berkeley	27,128	25	815	1,074	778	1,005	2,382	10	644	730
Calhoun	16,229	24	359	444	343	406	755	14	150	203
Charleston	121,105	148	9,972	19,729	8,363	15,005	39,617	86	5,346	10,405
Cherokee	33,290	55	3,910	6,982	3,759	6,273	17,568	30	3,391	3,975
Chester	32,579	26	4,798	10,033	4,676	9,671	15,701	16	3,588	3,895
Chesterfield	35,963	39	1,443	(d)	1,390	(d)	(d)	25	778	(d)
Clarendon	31,500	14	430	705	401	624	1,191	8	450	515
Colleton	26,268	35	874	1,092	838	998	1,811	24	383	390
Darlington	45,198	49	4,474	10,122	4,119	8,485	18,367	34	2,999	5,872
Dillon	29,625	23	947	1,621	900	1,448	3,684	15	635	575
Dorchester	19,928	29	754	1,101	705	954	2,026	12	505	605
Edgefield	17,894	21	824	1,596	794	1,462	3,874	11	295	424
Fairfield	24,187	28	2,118	4,210	1,959	3,703	6,168	22	2,045	(d)
Florence	70,582	69	1,873	3,166	1,641	2,415	6,068	44	726	1,705
Georgetown	26,352	25	2,992	(d)	2,729	(d)	(d)	18	1,237	(d)
Greenville	136,580	189	26,274	58,907	24,005	49,847	128,045	115	18,224	24,025
Greenwood	40,083	61	11,000	22,626	10,317	19,698	48,723	39	6,723	7,486
Hampton	17,465	23	1,430	2,262	1,313	1,934	5,843	16	553	505
Horry	51,951	25	869	1,419	778	1,240	2,660	23	824	943
Jasper	11,011	10	854	1,189	801	1,023	1,855	10	796	695
Kershaw	32,913	50	1,147	1,926	1,097	1,785	3,960	28	757	864
Lancaster	33,542	31	6,317	13,055	5,868	11,937	26,128	19	4,092	4,677
Laurens	44,185	37	6,594	14,443	6,295	12,840	30,590	21	5,182	6,707

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										
Lee	24,908	14	192	$289	177	$218	$510	11	99	$129
Lexington	35,994	82	2,168	3,820	2,055	3,389	8,435	40	1,377	1,734
McCormick	10,367	20	522	(d)	500	(d)	(d)	9	154	(d)
Marion	30,107	30	1,320	2,233	1,220	1,813	3,703	20	1,242	1,676
Marlboro	33,281	23	1,652	2,879	1,577	2,652	6,395	30	758	717
Newberry	33,577	51	4,272	8,443	4,111	7,731	18,349	27	3,104	4,238
Oconee	36,512	61	3,519	6,485	3,383	6,078	14,920	23	1,787	2,066
Orangeburg	63,707	62	2,814	4,862	2,507	3,881	8,975	41	1,398	1,994
Pickens	37,111	49	4,979	8,694	4,808	8,108	17,629	21	2,935	3,083
Richland	104,843	144	7,090	13,858	6,227	11,031	28,011	86	4,070	7,159
Saluda	17,192	27	483	603	470	555	1,052	14	241	183
Spartanburg	127,733	124	24,340	50,422	22,825	44,920	113,225	100	17,508	23,027
Sumter	52,463	69	3,353	6,205	3,030	4,893	9,546	40	2,954	3,094
Union	31,360	40	5,316	10,578	5,087	9,794	28,660	21	3,670	3,505
Williamsburg	41,011	23	483	620	465	589	650	10	201	307
York	58,663	71	10,452	21,636	9,885	19,554	41,665	43	6,994	11,658
URBAN PLACES										
Anderson	19,424	35	2,384	4,428	2,181	3,728	10,981	22	1,310	1,918
Charleston	71,275	71	5,243	10,710	4,356	8,184	18,186	55	3,002	5,152
Columbia	62,396	89	3,656	7,275	3,085	5,520	14,644	63	3,568	6,204
Florence	16,054	28	652	1,332	509	860	2,708	17	349	1,149
Greenville	34,734	88	5,280	11,266	4,314	8,168	22,926	67	2,849	6,548
Greenwood	13,020	20	3,082	5,731	2,785	4,949	14,306	15	1,610	1,941
Orangeburg	10,521	19	1,157	2,163	1,029	1,693	4,233	15	551	834
Rock Hill	15,009	32	5,126	11,191	4,679	9,611	24,013	23	2,936	5,564
Spartanburg	32,249	50	5,341	10,892	4,773	9,001	28,253	41	2,631	4,399
Sumter	15,874	46	1,691	3,478	1,477	2,577	5,217	29	1,245	1,922

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	**2,137**	**188,601**	**$376,964**	**175,724**	**355,395**	**$330,465**	**$794,312**	**$61,744**	**$20,189**	**$41,555**	**1,300**	**126,408**	**$169,294**
20	Food and kindred products	376	7,787	15,081	5,293	11,656	8,269	33,928	3,548	933	2,615	283	3,219	12,171
22	Textile mill products	227	124,559	260,956	119,345	240,360	238,699	558,680	39,448	14,162	25,286	205	94,756	110,914
23	Apparel and related products	99	10,824	18,878	10,095	18,639	15,825	38,292	1,330	418	912	23	2,830	2,723
24	Lumber and products, except furniture	855	21,726	29,940	20,745	42,405	26,942	59,369	4,198	528	3,670	363	13,060	14,860
25	Furniture and fixtures	47	2,468	4,541	2,295	4,751	3,759	6,484	669	321	348	31	1,681	1,561
26	Paper and allied products	15	5,846	15,822	5,022	10,597	13,157	36,879	6,386	1,277	5,109	13	2,433	8,771
27	Printing and publishing industries	144	2,025	4,906	1,113	2,179	2,598	8,994	425	119	306	108	837	3,884
28	Chemicals and allied products	128	3,637	6,776	3,051	6,816	4,773	16,595	2,107	964	1,143	160	2,562	4,965
31	Leather and leather products	5	29	90	21	39	36	143	6	1	5	3	8	112
32	Stone, clay, and glass products	130	3,308	6,534	3,047	6,467	5,434	11,564	1,978	914	1,064	49	1,865	3,746
33	Primary metal industries	17	766	1,676	717	1,507	1,491	4,243	471	280	191	12	191	335
34	Fabricated metal products	22	392	946	334	724	688	1,533	100	26	74	8	91	255
39	Miscellaneous manufactures	24	721	1,240	621	1,118	907	1,382	177	60	117	12	189	308
	All other major industry groups	48	4,513	9,578	4,025	8,138	7,887	16,226	901	186	715	30	2,686	4,689

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
			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]	**2,137**	**1,365**	**477**	**295**	**188,601**	**$376,964**	**126,408**	**175,724**	**$330,465**	**$794,312**	**$61,744**
20	Food and kindred products	376	286	77	13	7,787	15,081	3,219	5,293	8,269	33,928	3,548
201	Meat products	27	16	9	2	1,135	2,270	386	893	1,409	4,476	366
2011	Meat packing, wholesale	19	11	6	2	1,030	2,106	330	796	1,267	3,919	352
2024	Ice cream and ices	13	5	8	----------	307	594	67	213	345	1,777	459
203	Canning, preserving, and freezing	24	15	8	1	578	595	762	558	517	1,105	205
2031	Canned sea food	4	----------	3	1	321	288	527	313	242	467	16
2033	Canning and preserving, except fish	12	9	3	----------	176	226	(d)	171	204	449	43
204	Grain-mill products	42	37	4	1	482	934	219	384	634	2,341	134
2042	Prepared animal feeds	*16*	*13*	*2*	*1*	*314*	*608*	*116*	*259*	*429*	*1,692*	*76*
205	Bakery products	32	18	9	5	1,799	4,318	[2] 1,081	1,190	2,193	8,816	1,033
2081	Bottled soft drinks	114	95	19	----------	1,536	3,112	359	840	1,277	7,702	798
209	Miscellaneous food preparations	109	88	18	3	1,679	2,734	251	1,007	1,573	6,670	512
2097	Manufactured ice	94	74	18	2	1,329	2,234	(d)	676	1,143	4,191	418
21	Tobacco manufactures	9	1	6	2	1,988	(d)	(d)	1,860	(d)	(d)	(d)
2141	Tobacco stemming and redrying	7	----------	6	1	428	650	n.a.	378	453	1,001	53
22	Textile mill products	227	25	35	167	124,559	260,956	94,756	119,345	238,699	558,680	39,448
221	Woolen and worsted manufactures	7	1	3	3	1,605	3,547	(d)	1,474	3,090	6,364	1,707
222	Yarn and thread mills, except wool	25	3	6	16	4,968	9,236	2,761	4,806	8,471	15,136	1,690
223	Cotton and rayon broad-woven fabrics	140	4	5	131	106,365	221,559	83,683	102,498	205,467	486,887	31,877
2233	Cotton broad-woven fabrics	119	3	4	112	85,866	174,868	72,022	83,013	163,127	376,334	21,675
2234	Rayon and related broad-woven fabrics	21	1	1	19	20,499	46,691	11,661	19,485	42,340	110,553	10,202
2241	Narrow fabric mills	5	1	2	2	489	1,056	(d)	455	816	2,641	52
225	Knitting mills	20	8	8	4	1,165	2,377	1,144	1,108	2,090	4,245	1,172
2251	Full-fashioned hosiery mills	10	3	5	2	609	1,568	552	575	1,370	2,510	877
2261	Finishing textiles, except wool	17	3	4	10	9,445	22,269	5,941	8,537	18,071	41,424	2,739
227	Carpets and rugs	5	2	3	----------	171	321	----------	149	250	1,031	47
229	Miscellaneous textile goods	8	3	4	1	351	591	274	318	444	952	164
23	Apparel and related products	99	37	30	32	10,824	18,878	2,830	10,095	15,825	38,292	1,330
232	Men's and boys' furnishings	40	7	15	18	5,243	8,268	1,629	4,968	6,977	13,732	636
2321	Men's dress shirts and nightwear	28	2	10	16	4,786	7,677	1,261	4,546	6,479	12,797	615
233	Women's and misses' outerwear	11	2	2	7	1,341	1,921	28	1,243	1,680	5,357	130
2333	Dresses, unit price	4	1	1	2	405	518	(d)	383	478	1,415	52
239	Miscellaneous fabricated textiles	36	23	9	4	3,061	6,748	619	2,785	5,671	17,860	428
24	Lumber and products, except furniture	855	624	191	40	21,726	29,940	13,060	20,745	26,942	59,369	4,198
242	Lumber and timber basic products	790	595	172	23	15,948	20,426	9,617	15,365	18,769	41,031	2,352
2421	Sawmills and planing mills, general	769	594	154	21	14,744	18,759	9,236	14,232	17,299	38,447	1,910
243	Millwork and related products	35	15	12	8	2,885	4,937	1,057	2,695	4,319	11,516	1,101
2432	Plywood plants	14	----------	6	8	2,567	4,402	736	2,410	3,878	10,554	1,073
244	Wooden containers	17	7	5	5	1,478	2,018	1,917	1,398	1,646	2,327	173
2444	Wooden boxes (except cigar boxes)	7	3	1	3	648	916	1,112	605	723	1,151	35
249	Miscellaneous wood products	13	7	2	4	1,415	2,559	469	1,287	2,208	4,495	572
2491	Wood preserving	4	1	----------	3	753	1,436	428	678	1,249	3,367	340
2499	Wood products, n.e.c.	9	6	2	1	662	1,123	41	609	959	1,128	232
25	Furniture and fixtures	47	32	8	7	2,468	4,541	1,681	2,295	3,759	6,484	669
251	Household furniture	38	24	7	7	2,364	4,393	(d)	2,206	3,641	6,236	650
2511	Wood house furniture, except upholst.	20	8	6	6	2,138	4,149	1,445	2,006	3,457	5,790	634
26	Paper and allied products	15	4	2	9	5,846	15,822	2,433	5,022	13,157	36,879	6,386
27	Printing and publishing industries	144	121	21	2	2,025	4,906	837	1,113	2,598	8,994	425
2711	Newspapers	75	63	10	2	1,282	3,255	489	604	1,497	6,563	(d)
2721	Periodicals	8	7	1	----------	117	290	10	63	123	370	----------
28	Chemicals and allied products	128	73	50	5	3,637	6,776	2,562	3,051	4,773	16,595	2,107
287	Fertilizers	70	43	23	4	2,320	3,844	1,565	1,907	2,887	9,600	1,479
2871	Fertilizers	12	----------	8	4	1,316	2,404	969	1,141	1,878	6,256	1,317
2872	Fertilizers (mixing only)	58	43	15	----------	1,004	1,440	596	856	1,009	3,344	162
288	Vegetable and animal oils	29	8	21	----------	920	1,942	816	756	1,330	5,061	431
29	Petroleum and coal products	3	1	2	----------	126	(d)	93	91	(d)	(d)	(d)
30	Rubber products	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	5	5	----------	----------	29	90	8	21	36	143	6
32	Stone, clay, and glass products	130	99	24	7	3,308	6,534	1,865	3,047	5,434	11,564	1,978
325	Structural clay products	19	4	11	4	999	1,607	902	922	1,328	2,710	296
3271	Concrete products	91	83	8	----------	722	1,115	163	663	899	1,797	368
3281	Cut-stone and stone products	10	7	3	----------	179	375	120	156	311	722	46
33	Primary metal industries	17	10	5	2	766	1,676	191	717	1,491	4,243	471
34	Fabricated metal products	22	16	6	----------	392	*946*	*91*	*334*	*688*	*1,533*	*100*
344	*Structural metal products*	19	13	6	----------	380	926	82	322	668	1,428	93
3444	Sheet-metal work	13	10	3	----------	186	426	(d)	166	344	751	40
35	Machinery (except electrical)	23	8	11	4	1,320	(d)	609	1,113	(d)	(d)	(d)
355	Special-industry machinery, n.e.c.	14	3	7	4	1,134	2,980	523	948	2,430	5,468	336
36	Electrical machinery	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	8	5	1	2	990	(d)	187	878	(d)	(d)	(d)
371	Motor vehicles and equipment	3	1	1	1	195	476	(d)	172	380	641	25
38	Instruments and related products	3	1	2	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	24	15	6	3	721	1,240	189	621	907	1,382	177
399	Miscellaneous manufactures	15	11	3	1	373	685	(d)	331	488	724	13

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

[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
	GREENVILLE COUNTY							
	All industries, total [1]	189	26,274	$58,907	24,005	$49,847	$128,045	$6,683
20	Food and kindred products	39	1,114	2,346	672	1,049	6,161	477
205	Bakery products	6	196	561	118	263	968	98
208	Beverages	6	167	371	72	114	1,089	125
22	Textile mill products	30	20,340	46,353	19,237	41,254	101,954	5,157
223	Cotton and rayon broad-woven fabrics	17	15,614	35,559	14,893	32,522	82,429	4,772
226	Finishing textiles, except wool	4	3,319	7,806	3,039	6,211	13,700	226
23	Apparel and related products	17	2,154	4,201	2,000	3,131	8,340	296
232	Men's and boys' furnishings	9	1,183	2,520	1,122	1,870	5,054	136
24	Lumber and products, except furniture	40	401	636	370	556	1,379	61
242	Lumber and timber basic products	34	285	449	272	409	872	34
25	Furniture and fixtures	4	39	(d)	32	(d)	(d)	(d)
26	Paper and allied products	3	280	(d)	247	(d)	(d)	(d)
27	Printing and publishing industries	15	425	980	204	508	2,084	171
28	Chemicals and allied products	14	267	585	201	322	1,356	67
287	Fertilizers	4	115	180	92	127	378	7
31	Leather and leather products	2	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	6	49	92	45	72	172	14
34	Fabricated metal products	2	(d)	(d)	(d)	(d)	(d)	(d)
35	Machinery (except electrical)	12	590	2,591	833	2,146	4,352	310
355	Special-industry machinery, n.e.c.	9	962	2,520	812	2,091	4,277	297
39	Miscellaneous manufactures	5	150	206	114	143	210	55
	SPARTANBURG COUNTY							
	All industries, total [1]	124	24,340	$50,422	22,825	$44,920	$113,225	$6,647
20	Food and kindred products	22	796	1,602	604	939	4,146	190
209	Miscellaneous food preparations	5	127	208	60	84	382	26
22	Textile mill products	28	18,588	38,505	17,790	35,366	84,168	5,367
223	Cotton and rayon broad-woven fabrics	21	16,636	34,411	15,924	31,651	77,625	4,525
23	Apparel and related products	6	3,405	(d)	3,100	(d)	(d)	(d)
24	Lumber and products, except furniture	18	421	(d)	393	(d)	(d)	(d)
25	Furniture and fixtures	2	(d)	(d)	(d)	(d)	(d)	(d)
26	Paper and allied products	2	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	13	218	517	118	275	1,169	42
28	Chemicals and allied products	14	231	410	188	277	1,160	61
287	Fertilizers	8	163	243	143	183	819	9
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	6	70	123	67	112	304	15
33	Primary metal industries	3	358	(d)	347	(d)	(d)	(d)
34	Fabricated metal products	3	35	(d)	28	(d)	(d)	(d)
35	Machinery (except electrical)	5	168	345	150	287	865	116
39	Miscellaneous manufactures	1	(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	2,137	376	9	227	99	855	47	15	144	128	3	1	5	130	17	22	23	1	8	3	24
1-19 employees	1,365	286	1	25	37	624	32	4	121	73	1	1	5	99	10	16	8	1	5	1	15
20-99 employees	477	77	6	35	30	191	8	2	21	50	2			24	5	6	11		1	2	6
100 employees and over	295	13	2	167	32	40	7	9	2	5				7	2		4		2		3
Abbeville:																					
1-19 employees	9	1				4			2					2							
20-99 employees	2			2																	
100 employees and over	4			2	2																
Aiken:																					
1-19 employees	33	4				20			2	5				2							
20-99 employees	10				1	6								3							
100 employees and over	10			8		1								1							
Allendale:																					
1-19 employees	9	4				1	1		1	2											
20-99 employees	6					5	1														
Anderson:																					
1-19 employees	41	11		2	5	8	1		6	3				2		1					2
20-99 employees	14	2		6	1	1		1	1	1					1						
100 employees and over	19	1		16	2																
Bamberg:																					
1-19 employees	9	5				2			1	1											
20-99 employees	7	1				5	1														
100 employees and over	2			1		1															
Barnwell:																					
1-19 employees	18	1				11			1	5											
20-99 employees	1					1															
100 employees and over	1				1																
Beaufort:																					
1-19 employees	12	3			1	5								2					1		
20-99 employees	4	2				2															
Berkeley:																					
1-19 employees	17	2				14			1												
20-99 employees	6					6															
100 employees and over	2					2															
Calhoun:																					
1-19 employees	22	5			1	13	1		1	1											
20-99 employees	1					1															
100 employees and over	1				1																
Charleston:																					
1-19 employees	77	25		1	4	20	3	1	8	3	1		1	3	2				2		3
20-99 employees	54	13			5	17	1		5	9	1			1		1				1	
100 employees and over	17	2	1		1	3		2		5				1	1				1		
Cherokee:																					
1-19 employees	35	5		2	6	7	3		2	3			1	4	1		1				
20-99 employees	11	2		2	3	1				1				1			1				
100 employees and over	9			8	1																
Chester:																					
1-19 employees	16	4				5	1		2	2				2							
20-99 employees	3	2				1															
100 employees and over	7			7																	
Chesterfield:																					
1-19 employees	28	6		1		13			2	2				3					1		
20-99 employees	5	2		1		2															
100 employees and over	6			1	2	2								1							
Clarendon:																					
1-19 employees	9	3				5			1												
20-99 employees	4					3											1				
100 employees and over	1					1															
Colleton:																					
1-19 employees	22	5				12	1		1					3							
20-99 employees	12				1	11															
100 employees and over	1				1																
Darlington:																					
1-19 employees	29	3		2		17			3	1				2			1				
20-99 employees	13	1	1	2		3	1			3				2							
100 employees and over	7			3		1		3													
Dillon:																					
1-19 employees	18	7				7			2	1				1							
20-99 employees	3	1				2															
100 employees and over	2			2																	
Dorchester:																					
1-19 employees	19	2		1		14			1	1											
20-99 employees	7	1				5								1							
100 employees and over	3					3															
Edgefield:																					
1-19 employees	14	3				7			2	1				1							
20-99 employees	5					5															
100 employees and over	2			2																	
Fairfield:																					
1-19 employees	17					12			1	1				3							
20-99 employees	10	1			1	6								2							
100 employees and over	1			1																	
Florence:																					
1-19 employees	45	16			1	14			4	2				6		1		1			
20-99 employees	19	4	3	1		10			1												
100 employees and over	5	1	1			2	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
Georgetown:																					
1-19 employees	14	3				9	1		1												
20-99 employees	7					6				1											
100 employees and over	4					1		3													
Greenville:																					
1-19 employees	106	26		2	5	34	3	1	11	8			2	5		1	5				3
20-99 employees	44	10		5	6	6	1	1	3	6				1		1	3				1
100 employees and over	39	3		23	6			1	1								4				1
Greenwood:																					
1-19 employees	28	3			2	20				1				1							1
20-99 employees	19	5			3	4			1	2				2	1		1				
100 employees and over	14	1		7	5	1															
Hampton:																					
1-19 employees	13	5				6	1							1							
20-99 employees	8					8															
100 employees and over	2					2															
Horry:																					
1-19 employees	17	5				4	1		2					4					1		
20-99 employees	6					6															
100 employees and over	2					2															
Jasper:																					
1-19 employees	4	1				2								1							
20-99 employees	3				1	2															
100 employees and over	3					3															
Kershaw:																					
1-19 employees	38	3		1		28			1					4	1						
20-99 employees	10			1		8				1											
100 employees and over	2			2																	
Lancaster:																					
1-19 employees	22	3			1	12			3	1				1	1						
20-99 employees	7					2				4				1							
100 employees and over	2			2																	
Laurens:																					
1-19 employees	25	6		2	1	9			3	2				1							1
20-99 employees	4			1	1				1	1											
100 employees and over	8			6	1									1							
Lee:																					
1-19 employees	13	2		1		8			1					1							
20-99 employees	1									1											
Lexington:																					
1-19 employees	65	11				36	4		3	2		1		6	1						1
20-99 employees	12	1			1	6				2				1							1
100 employees and over	5			3										1							1
McCormick:																					
1-19 employees	15	1				13			1												
20-99 employees	4				1	3															
100 employees and over	1			1																	
Marion:																					
1-19 employees	17	4				4			3	1				3		2					
20-99 employees	7	1	2			1				1				2							
100 employees and over	6			1		4	1														
Marlboro:																					
1-19 employees	14	6				3	1		2					2							
20-99 employees	6					4				1				1							
100 employees and over	3			2			1														
Newberry:																					
1-19 employees	39	5		1	1	26	2		2					1		1					
20-99 employees	8	2			1	5															
100 employees and over	4			4																	
Oconee:																					
1-19 employees	49	6				33			3	5				2							
20-99 employees	5					5															
100 employees and over	7			6	1																
Orangeburg:																					
1-19 employees	36	7				23	2		3	1											
20-99 employees	19	2				11	1		1	3				1							
100 employees and over	7	2		2	1	2															
Pickens:																					
1-19 employees	36	2		1	2	23			2	2				4							
20-99 employees	3			1		2															
100 employees and over	10			8	1	1															
Richland:																					
1-19 employees	91	25	1		3	25	2		15	3				9	2	4				1	1
20-99 employees	45	11		2	1	7	1		5	5	1			4		4				1	3
100 employees and over	8			2	1	1	1							2							1
Saluda:																					
1-19 employees	24	2			1	20								1							
20-99 employees	2			2																	
100 employees and over	1				1																
Spartanburg:																					
1-19 employees	68	13			1	17	2	2	11	10			1	5	1	3	1				1
20-99 employees	22	7		3	1				1	4				1	1		4				
100 employees and over	34	2		25	4	1			1						1						
Sumter:																					
1-19 employees	38	13		2	1	12	1		2	1				4		1					1
20-99 employees	23	3		2	1	9	1		1	3							1		1		1
100 employees and over	8					5	3														
Union:																					
1-19 employees	27	3		3		16	1		2					1		1					
20-99 employees	5	1		1	1					1					1						
100 employees and over	8			8																	
Williamsburg:																					
1-19 employees	20	5				10			1	1				3							
20-99 employees	2					2															
100 employees and over	1					1															
York:																					
1-19 employees	47	11		3	1	20			5	1				3	1	1					1
20-99 employees	8	2		3		1			1						1						
100 employees and over	16	1		14															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	$376,964	188,601	187,369	183,496	184,461	185,209	185,899	185,992	186,448	184,451	187,865	188,091	190,389	192,653	193,477
20	Food and kindred products	15,081	7,787	7,334	6,877	6,813	6,886	7,138	7,019	7,255	8,236	8,783	7,575	7,389	7,148	6,892
22	Textile mill products	260,956	124,559	124,536	121,940	122,647	123,026	123,345	123,891	123,985	123,368	124,401	124,522	126,002	128,025	129,288
23	Apparel and related products	18,878	10,824	10,496	10,112	10,245	10,092	10,215	10,363	10,471	9,917	10,133	10,422	11,094	11,395	11,490
24	Lumber and products, exc. furniture	29,940	21,726	21,663	21,213	21,404	21,440	21,417	21,695	21,935	21,876	22,003	21,339	21,914	21,944	21,775
25	Furniture and fixtures	4,541	2,468	2,419	2,475	2,333	2,305	2,324	2,322	2,285	2,346	2,398	2,443	2,545	2,606	2,648
26	Paper and allied products	15,822	5,846	5,847	5,843	5,924	6,038	6,109	5,945	5,984	5,670	5,662	5,620	5,668	5,802	5,898
27	Printing and publishing industries	4,906	2,025	2,009	1,973	1,990	1,985	1,983	1,986	1,994	2,006	2,032	2,038	2,013	2,055	2,050
28	Chemicals and allied products	6,776	3,637	3,616	4,147	4,229	4,095	3,631	3,143	2,838	2,789	3,054	3,492	3,902	4,025	4,042
31	Leather and leather products	90	29	20	22	21	20	20	20	18	18	20	21	20	19	19
32	Stone, clay, and glass products	6,534	3,308	3,234	3,329	3,346	3,422	3,386	3,335	3,284	2,419	3,288	3,186	3,188	3,278	3,346
33	Primary metal industries	1,676	766	755	695	786	788	778	749	780	745	738	710	713	765	810
34	Fabricated metal products	946	392	333	280	287	308	328	339	346	356	339	349	338	361	365
39	Miscellaneous manufactures	1,240	721	658	552	578	653	664	649	685	680	718	710	683	677	648
	All other major industry groups	9,578	4,573	4,450	4,039	3,859	4,152	4,562	4,537	4,589	4,026	4,297	5,665	4,921	4,554	4,207

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

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

ITEM	Total for the State	Principal industrial counties	
		Greenville	Spartanburg
ALL ESTABLISHMENTS			
Number of establishments	2,137	189	124
Number of employees (average for the year)	188,601	26,274	24,340
Salaries and wages, total	$376,964	$58,907	$50,422
Value added by manufacture	$794,312	$128,045	$113,225
Establishments by employment size group:			
1–4 employees	412	41	29
5–9 employees	525	34	20
10–19 employees	428	31	19
20–49 employees	322	30	14
50–99 employees	155	14	8
100–249 employees	113	14	5
250–499 employees	72	9	9
500–999 employees	66	9	13
1,000–2,499 employees	41	6	7
2,500 employees and over	3	1	----------
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	1,501	143	101
Number of employees (average for the year)	186,277	26,043	24,230
Salaries and wages, total	$371,447	$58,585	$50,290
Value added by manufacture	$785,042	$127,358	$112,940

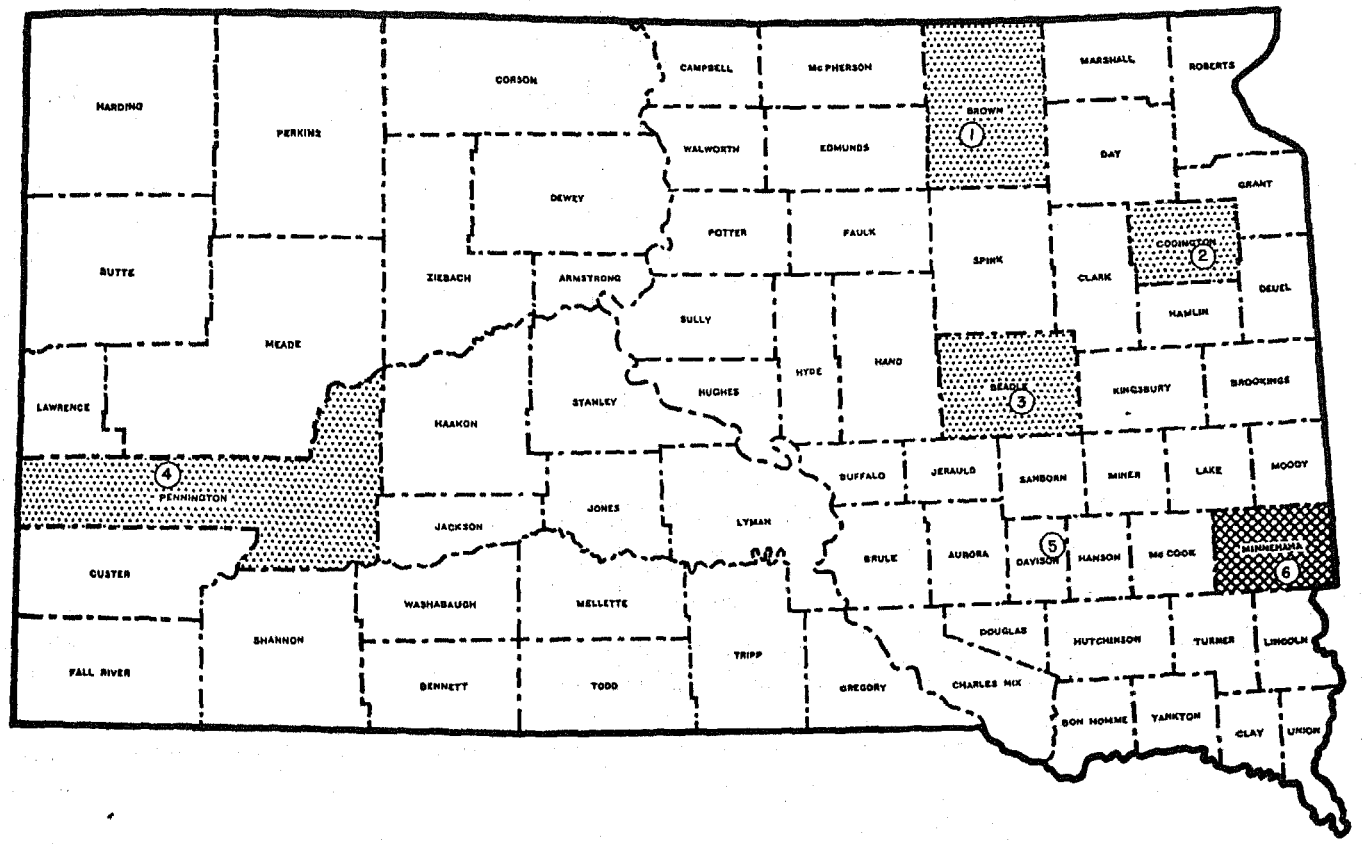
ITEM	Total for the State	Principal industrial counties	
		Greenville	Spartanburg
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	186,767	26,790	24,480
Male	122,756	16,238	14,976
Female	64,011	10,552	9,504
Production workers	173,843	24,464	22,980
Male	113,026	14,463	13,901
Female	60,817	10,001	9,079
Force-account construction workers	747	50	15
Administrative, supervisory, sales, and all other	12,177	2,276	1,485
Male	8,984	1,725	1,060
Female	3,193	551	425
Expenditures for plant and equipment:			
New plant and equipment	$61,743	$6,683	$6,647
Construction and major alteration of fixed plants	20,189	2,221	1,886
Buildings	16,693	1,867	1,187
Other construction	3,496	354	699
Machinery and equipment	41,554	4,462	4,761
Production machinery and equipment	37,069	3,894	4,337
Other machinery and equipment	4,485	568	424
Used plant and equipment and land	4,836	608	865

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	4,126	1,188	2,000	787	67	64	20	70	107
Van	215	----------	109	71	4	17	14	----------	----------
Stake or platform	1,713	120	1,148	383	37	23	2	----------	----------
Panel or light delivery	984	850	134	----------	----------	----------	----------	----------	----------
All other	1,214	218	609	333	26	24	4	----------	----------
Truck tractors	640	25	218	260	47	65	25	----------	----------
Trailers and semitrailers	642	----------	----------	----------	----------	----------	----------	12	23

SOUTH DAKOTA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Aberdeen	1
Huron	3
Mitchell	5
Rapid City	4
Sioux Falls	6
Watertown	2

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 500
- 500 TO 2,499
- 2,500 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	494	10,265	$25,796	8,062	$19,193	$51,398
1939 [3]	450	7,327	9,036	5,421	5,905	19,619
1937	434	6,251	7,683	4,970	5,485	14,380
1935 [4]	403	5,538	6,347	4,400	4,398	11,305
1933	348	n.a.	n.a.	4,731	4,508	13,760
1931	489	n.a.	n.a.	5,373	6,378	18,265
1929	615	7,803	10,691	6,535	8,132	22,681
1927	472	n.a.	n.a.	5,551	6,786	19,381
1925	504	n.a.	n.a.	5,151	6,208	16,491
1923	489	n.a.	n.a.	5,146	6,211	13,648
1921	574	n.a.	n.a.	4,635	6,350	14,711
1919	1,054	6,774	8,773	5,588	6,751	17,070
1914	898	4,584	3,463	3,788	2,628	7,059
1909	1,020	4,284	2,914	3,602	2,298	6,394
1904	686	2,933	1,716	2,492	1,422	4,389
1899	624	2,512	1,305	2,224	1,130	3,046

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 $20.0 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 $11.5 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).

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	**642,961**	**494**	**10,265**	**$25,796**	**8,062**	**$19,193**	**$51,398**	**450**	**5,421**	**$19,619**
COUNTIES										
Armstrong	42									
Aurora	5,387	4	16	24	12	19	60	4	6	18
Beadle	19,648	17	660	(d)	545	(d)	(d)	14	299	(d)
Bennett	3,983	3	25	(d)	23	(d)	(d)			
Bon Homme	10,241	6	13	17	11	15	40	7	15	51
Brookings	16,560	13	70	131	57	101	298	10	31	202
Brown	29,676	30	662	1,551	466	991	2,958	29	238	892
Brule	6,195	6	18	31	12	19	58	4	7	31
Buffalo	1,853									
Butte	8,004	8	168	385	143	312	514	7	118	362
Campbell	5,033									
Charles Mix	13,449	8	22	22	15	20	100	6	11	28
Clark	8,955	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Clay	9,592	4	25	38	23	31	92	5	21	87
Codington	17,014	24	619	1,601	474	1,115	3,749	24	331	1,105
Corson	6,755	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Custer	6,023	20	213	463	204	436	765	17	151	383
Davison	15,336	23	458	1,075	348	760	2,367	21	243	926
Day	13,565	8	108	200	93	161	460	12	82	203
Deuel	8,450	5	18	28	14	23	111	5	6	34
Dewey	5,709									
Douglas	6,348	2	(d)	(d)	(d)	(d)	(d)			
Edmunds	7,814	4	14	(d)	10	(d)	(d)	3	7	(d)
Fall River	8,089	3	13	26	10	17	42	7	23	94
Faulk	5,168	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Grant	10,552	9	44	92	37	80	181	10	23	90
Gregory	9,554	5	14	16	10	12	46	5	16	(d)
Haakon	3,515	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Hamlin	7,562	7	34	61	27	45	124	5	16	54
Hand	7,166	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Hanson	5,400	4	11	20	9	18	33	4	5	12
Harding	3,010	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Hughes	6,624	6	34	68	31	62	152	4	30	97
Hutchinson	12,668	11	64	127	46	86	369	8	20	89
Hyde	3,113	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Jackson	1,955									
Jerauld	4,752	4	20	(d)	14	(d)	(d)	3	6	(d)
Jones	2,509									
Kingsbury	10,831	8	44	75	32	46	105	8	56	109
Lake	12,412	4	55	(d)	47	(d)	(d)	8	57	(d)

See footnotes 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.										
Lawrence	19,093	12	232	$518	197	$436	$736	18	68	$241
Lincoln	13,171	7	72	120	58	99	204	6	18	64
Lyman	5,045	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
McCook	9,793	5	15	19	13	17	35	5	75	128
McPherson	8,353	5	15	21	10	17	53	3	5	(d)
Marshall	8,880	4	13	20	10	15	27	4	9	21
Meade	9,735	7	76	145	71	136	216	5	11	40
Mellette	4,107	1	(d)	(d)	(d)	(d)	(d)			
Miner	6,836	4	14	(d)	8	(d)	(d)	2	(d)	(d)
Minnehaha	57,697	73	4,804	13,418	3,710	9,733	27,462	66	2,539	9,794
Moody	9,341	4	19	(d)	16	(d)	(d)	3	6	(d)
Pennington	23,799	38	914	2,188	766	1,764	4,499	25	564	1,957
Perkins	6,585	7	38	60	29	47	132	7	14	52
Potter	4,614	4	10	9	8	9	26	4	4	23
Roberts	15,887	7	80	126	72	114	358	8	15	61
Sanborn	5,754	3	12	(d)	6	(d)	(d)	4	19	(d)
Shannon [1]	7,155									
Spink	12,527	6	22	41	17	32	94	4	17	57
Stanley	1,959	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Sully	2,668							2	(d)	(d)
Todd	5,714	1	(d)	(d)	(d)	(d)	(d)			
Tripp	9,937	10	110	(d)	87	(d)	(d)	6	59	(d)
Turner	13,270	7	32	63	26	53	146	9	20	59
Union	11,675	7	47	97	40	87	387	5	9	32
Walworth	7,274	6	49	83	32	51	203	5	18	65
Washabaugh	1,980									
Yankton	16,725	18	208	497	141	325	749	11	95	274
Ziebach	2,875									
URBAN PLACES										
Aberdeen	17,015	24	473	(d)	320	(d)	(d)	25	223	(d)
Huron	10,843	15	(d)	(d)	(d)	(d)	(d)	12	(d)	(d)
Mitchell	10,633	20	401	(d)	297	(d)	(d)	17	200	(d)
Rapid City	13,844	29	699	1,649	573	1,278	3,469	20	416	(d)
Sioux Falls	40,832	61	4,746	13,281	3,661	9,613	27,117	54	2,475	9,617
Watertown	10,617	20	565	1,451	427	989	3,421	22	327	(d)

[d] Withheld to avoid disclosing figures for individual companies.
[1] In 1942, Washington County was combined with Shannon County.

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	**494**	**10,265**	**$25,796**	**8,062**	**17,700**	**$19,193**	**$51,398**	**$3,371**	**$1,252**	**$2,119**	**450**	**5,421**	**$19,619**
20	Food and kindred products	215	6,827	17,637	5,359	12,166	13,098	35,246	2,465	979	1,486	268	3,831	14,084
24	Lumber and products, except furniture	45	994	2,160	903	1,828	1,867	3,506	182	63	119	28	589	1,190
27	Printing and publishing industries	143	1,152	2,669	712	1,368	1,593	5,566	111	9	102	100	503	2,119
28	Chemicals and allied products	9	218	615	187	408	500	1,644	190	88	102	10	(d)	(d)
32	Stone, clay, and glass products	40	349	822	307	695	723	1,646	323	74	249	17	220	975
34	Fabricated metal products	6	103	294	62	140	163	880	17	10	7	6	90	529
35	Machinery (except electrical)	12	472	1,232	407	823	952	2,398	79	28	51	2	(d)	(d)
39	Miscellaneous manufactures	10	76	228	62	138	178	370	4	1	3	8	35	90
	All other major industry groups	14	74	139	63	134	119	142				11	30	130

[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]	**494**	**407**	**76**	**11**	**10,265**	**$25,796**	**5,421**	**8,062**	**$19,193**	**$51,398**	**$3,371**
20	Food and kindred products	215	172	37	6	6,827	17,637	3,831	5,359	13,098	35,246	2,465
201	Meat products	28	13	12	3	4,166	11,941	2,611	3,366	9,205	21,998	1,040
2015	Poultry dressing, wholesale	12	4	8	----------	367	726	475	312	564	1,362	190
202	Dairy products	85	79	6	----------	593	1,179	[2] 427	420	835	3,272	333
204	Grain-mill products	22	19	3	----------	206	505	50	156	385	1,102	144
205	Bakery products	36	27	7	2	967	2,128	[2] 557	713	1,353	4,626	452
2081	Bottled soft drinks	25	23		----------	231	559	56	141	314	1,004	285
209	Miscellaneous food preparations	15	10		----------	407	707	14	356	559	2,123	76
2099	Liquid, frozen, and dried eggs	5	----------		----------	347	571	----------	316	478	1,840	58
23	Apparel and related products	4	4	----------	----------	34	(d)	----------	27	(d)	(d)	----------
24	Lumber and products, except furniture	45	34	9	2	994	2,160	589	903	1,867	3,506	182
2431	Millwork plants	15	10	4	1	426	1,007	146	367	812	1,311	111
26	Paper and allied products	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	----------
27	Printing and publishing industries	143	130	12	1	1,152	2,669	503	712	1,593	5,566	111
2711	Newspapers	109	101	7	1	805	1,889	382	516	1,206	4,227	78
2751	Commercial printing	21	18	3	----------	251	575	82	140	291	761	8
28	Chemicals and allied products	9	5	4	----------	218	615	(d)	187	500	1,644	190
29	Petroleum and coal products	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	----------
32	Stone, clay, and glass products	40	37	2	1	349	822	220	307	723	1,646	323
33	Primary metal industries	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	----------
34	Fabricated metal products	6	3	3	----------	103	294	90	62	163	880	17
35	Machinery (except electrical)	12	4	7	1	472	1,232	(d)	407	952	2,398	79
3522	Farm machinery (except tractors)	4	1	3	----------	139	448	----------	123	298	1,028	10
36	Electrical machinery	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	----------
37	Transportation equipment	4	4	----------	----------	22	(d)	----------	21	(d)	(d)	----------
38	Instruments and related products	2	2	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	----------
39	Miscellaneous manufactures	10	8	2	----------	76	228	35	62	178	370	4

[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

[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	494	215			4	45		1	143	9	1			40	1	6	12	1	4	2	10
1-19 employees	407	172			4	34		1	130	5	1			37	1	3	4	1	4	2	8
20-99 employees	76	37				9			12	4				2		3	7				2
100 employees and over	11	6				2			1					1			1				
Aurora:																					
1-19 employees	4	2							2												
Beadle:																					
1-19 employees	10	3				1			3	1				2							
20-99 employees	6	5							1												
100 employees and over	1	1																			
Bennett:																					
1-19 employees	3	1				1			1												
Bon Homme:																					
1-19 employees	6	3				1			2												
Brookings:																					
1-19 employees	13	5							5					1					1	1	
Brown:																					
1-19 employees	21	11			1				4					3		1		1			
20-99 employees	8	3				1			3								1				
100 employees and over	1																1				
Brule:																					
1-19 employees	6	2							3					1							
Butte:																					
1-19 employees	6	2							3					1							
20-99 employees	2	1												1							
Charles Mix:																					
1-19 employees	8	3							4												1
Clark:																					
1-19 employees	2	1							1												
Clay:																					
1-19 employees	4	1							3												
Codington:																					
1-19 employees	17	9				2			3					2	1						
20-99 employees	6	4							1	1											
100 employees and over	1	1																			
Corson:																					
1-19 employees	1								1												
Custer:																					
1-19 employees	18	1				15			1					1							
20-99 employees	2					2															1
Davison:																					
1-19 employees	15	6				1			2	2				3							
20-99 employees	8	5							2							1					
Day:																					
1-19 employees	7	5							1					1							
20-99 employees	1	1																			
Deuel:																					
1-19 employees	5	4							1												
Douglas:																					
1-19 employees	2								2												
Edmunds:																					
1-19 employees	4	2							2												
Fall River:																					
1-19 employees	3	1							2												
Faulk:																					
1-19 employees	1								1												
Grant:																					
1-19 employees	9	5							3					1							
Gregory:																					
1-19 employees	5	1							2					2							
Haakon:																					
1-19 employees	2	1							1												
Hamlin:																					
1-19 employees	7	4							3												
Hand:																					
1-19 employees	2	1							1												
Hanson:																					
1-19 employees	4	1							2					1							
Harding:																					
1-19 employees	1								1												
Hughes:																					
1-19 employees	6	1							4					1							
Hutchinson:																					
1-19 employees	11	8							2					1							
Hyde:																					
1-19 employees	1								1												
Jerauld:																					
1-19 employees	4	2							2												
Kingsbury:																					
1-19 employees	7	3							3					1							
20-99 employees	1	1															1				
Lake:																					
1-19 employees	2								1												
20-99 employees	2	1							1												
Lawrence:																					
1-19 employees	10	6				1			3												1
20-99 employees	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
Lincoln:																					
1-19 employees	6	2							2					2							
20-99 employees	1	1																			
Lyman:																					
1-19 employees	1	1																			
McCook:																					
1-19 employees	5	2			1				2												
McPherson:																					
1-19 employees	5	2							2					1							
Marshall:																					
1-19 employees	4	2							1					1							
Meade:																					
1-19 employees	6	1				2			2					1							
20-99 employees	1					1															
Mellette:																					
1-19 employees	1	1																			
Miner:																					
1-19 employees	4	3							1												
Minnehaha:																					
1-19 employees	49	21			1	1		1	8	2	1			5		2	2		3		2
20-99 employees	19	6				2			2	3						2	4				
100 employees and over	5	4							1												
Moody:																					
1-19 employees	4	3							1												
Pennington:																					
1-19 employees	26	6			1	8			6					2						1	2
20-99 employees	10	5				2			1					1							1
100 employees and over	2					1								1							
Perkins:																					
1-19 employees	7	3							3												1
Potter:																					
1-19 employees	4	2							2												
Roberts:																					
1-19 employees	6	4							2												
20-99 employees	1	1																			
Sanborn:																					
1-19 employees	3	1							2												
Spink:																					
1-19 employees	6	3							2					1							
Stanley:																					
1-19 employees	1								1												
Todd:																					
1-19 employees	1								1												
Tripp:																					
1-19 employees	9	6							3												
20-99 employees	1	1																			
Turner:																					
1-19 employees	7	3							4												
Union:																					
1-19 employees	6	2				1			2								1				
20-99 employees	1																1				
Walworth:																					
1-19 employees	5	2							2					1							
20-99 employees	1	1																			
Yankton:																					
1-19 employees	14	7							5					1							1
20-99 employees	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	$25,796	10,265	10,028	9,973	9,811	9,789	9,560	9,612	9,912	10,313	10,191	10,090	10,391	10,402	10,296
20	Food and kindred products	17,637	6,827	6,699	6,747	6,580	6,507	6,302	6,279	6,507	6,879	6,797	6,707	6,997	7,092	6,993
24	Lumber and products, exc. furniture	2,160	994	969	926	937	941	887	972	1,020	1,051	1,041	1,017	967	938	933
27	Printing and publishing industries	2,669	1,152	1,133	1,105	1,109	1,126	1,131	1,121	1,114	1,126	1,140	1,138	1,158	1,155	1,172
28	Chemicals and allied products	615	218	218	203	200	216	195	204	220	236	228	228	240	226	222
32	Stone, clay, and glass products	822	349	338	282	281	299	354	361	388	373	362	361	333	338	323
34	Fabricated metal products	294	103	95	88	90	86	87	92	97	91	98	99	102	109	97
35	Machinery (except electrical)	1,232	472	466	508	506	504	491	470	454	449	423	437	472	433	444
39	Miscellaneous manufactures	228	76	69	67	61	63	66	66	66	68	64	68	86	79	78
	All other major industry groups	139	74	41	47	47	47	47	47	46	40	38	35	36	32	34

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	494
Number of employees (average for the year)	10,265
Salaries and wages, total	$25,796
Value added by manufacture	$51,398
Establishments by employment size group:	
1-4 employees	217
5-9 employees	125
10-19 employees	65
20-49 employees	53
50-99 employees	23
100-249 employees	8
250-499 employees	2
500-999 employees	
1,000-2,499 employees	
2,500 employees and over	1
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	319
Number of employees (average for the year)	9,617
Salaries and wages, total	$24,716
Value added by manufacture	$49,114

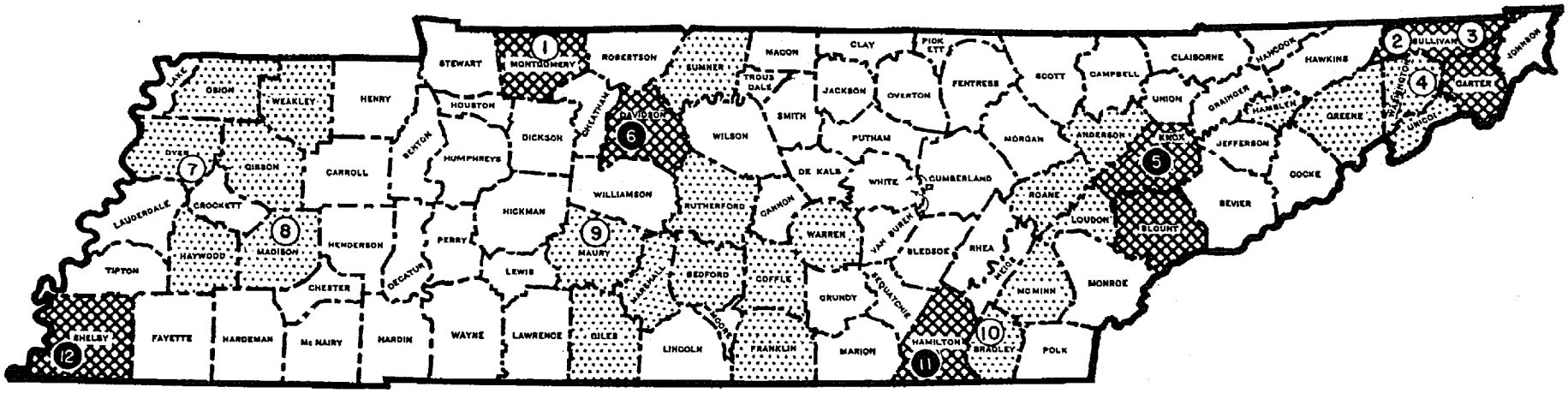
ITEM	Total for the State
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	9,965
Male	7,819
Female	2,146
Production workers	7,818
Male	6,348
Female	1,470
Force-account construction workers	29
Administrative, supervisory, sales, and all other	2,118
Male	1,446
Female	672
Expenditures for plant and equipment:	
New plant and equipment	$3,371
Construction and major alteration of fixed plants	1,252
Buildings	1,079
Other construction	173
Machinery and equipment	2,119
Production machinery and equipment	1,296
Other machinery and equipment	823
Used plant and equipment and land	269

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	827	275	428	102	8	14		31	47
Van	117		81	36					
Stake or platform	230	54	121	39	6	10			
Panel or light delivery	233	174	59						
All other	247	47	167	27	2	4			
Truck tractors	49		5	28	7	2	7		
Trailers and semitrailers	59							1	12

TENNESSEE

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Bristol	3
Chattanooga	11
Clarksville	1
Cleveland	10
Columbia	9
Dyersburg	7
Jackson	8
Johnson City	4
Kingsport	2
Knoxville	5
Memphis	12
Nashville	6

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	3,346	221,454	$473,211	192,367	$369,920	$957,539
1939 [3]	2,225	152,179	149,525	131,024	108,828	318,378
1937	2,083	148,432	136,489	135,073	109,248	295,627
1935 [4]	1,991	123,436	103,261	112,434	81,246	218,537
1933	1,561	n.a.	n.a.	94,909	60,871	172,939
1931	1,948	n.a.	n.a.	92,660	74,056	212,460
1929	2,855	142,020	149,080	128,400	115,877	322,898
1927	2,098	n.a.	n.a.	114,968	101,198	262,604
1925	2,162	n.a.	n.a.	107,645	95,255	243,391
1923	2,307	n.a.	n.a.	106,504	92,482	221,164
1921	2,245	n.a.	n.a.	75,446	65,741	148,087
1919	4,426	107,725	105,861	94,564	80,687	210,201
1914	4,762	83,322	44,875	74,327	33,048	88,567
1909	4,609	82,257	37,438	73,840	28,252	76,201
1904	3,175	65,482	27,886	60,572	22,806	58,609
1899	3,116	49,292	17,775	45,963	14,728	38,190

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 $320.3 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 $227.6 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).

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	**2,915,841**	**3,346**	**221,454**	**$473,211**	**192,367**	**$369,920**	**$957,539**	**2,225**	**131,024**	**$318,378**
COUNTIES										
Anderson	20,504	11	1,079	2,206	1,015	1,945	3,356	8	938	(d)
Bedford	23,151	37	2,126	3,728	1,972	3,128	7,821	28	1,844	2,734
Benton	11,976	8	63	63	53	55	112	1	(d)	(d)
Bledsoe	8,358	12	183	166	179	164	209	1	(d)	(d)
Blount	41,116	38	10,209	(d)	8,942	(d)	(d)	25	4,159	(d)
Bradley	28,498	71	3,622	6,974	3,325	5,388	14,788	38	2,971	4,767
Campbell	31,131	20	405	549	368	450	1,053	11	889	665
Cannon	9,880	8	234	(d)	221	(d)	(d)	4	12	(d)
Carroll	25,978	25	877	1,083	816	956	1,684	14	100	275
Carter	35,127	22	6,020	(d)	4,962	(d)	(d)	12	4,036	(d)
Cheatham	9,928	8	39	43	39	43	118	1	(d)	(d)
Chester	11,124	8	351	(d)	338	(d)	(d)	4	9	(d)
Claiborne	24,657	13	44	41	41	37	74	2	(d)	(d)
Clay	10,904	8	108	107	106	103	165	1	(d)	(d)
Cocke	24,083	29	663	1,144	605	989	3,885	9	570	1,111
Coffee	18,959	32	1,989	3,167	1,868	2,792	7,492	22	1,335	1,808
Crockett	17,330	6	100	122	94	109	215	3	9	14
Cumberland	15,592	25	202	285	189	265	523	5	113	29
Davidson	257,267	370	30,310	68,750	24,915	50,136	134,030	300	17,321	58,107
Decatur	10,261	11	477	(d)	462	(d)	(d)	1	(d)	(d)
De Kalb	14,588	6	83	(d)	74	(d)	(d)	4	10	(d)
Dickson	19,718	29	755	907	706	798	1,670	17	911	811
Dyer	34,920	24	1,135	2,192	1,039	1,724	4,183	23	935	1,687
Fayette	30,322	8	45	57	44	55	146	3	224	(d)
Fentress	14,262	26	133	177	130	171	368	10	167	175
Franklin	23,892	23	1,165	1,895	1,085	1,667	3,475	21	493	950
Gibson	44,835	29	2,503	4,304	2,262	3,612	7,273	27	1,248	1,346
Giles	29,240	19	1,111	1,979	1,066	1,834	4,465	18	500	683
Grainger	14,356	4	74	(d)	71	(d)	(d)	5	19	(d)
Greene	39,405	36	1,154	2,240	1,019	1,857	4,998	26	586	1,010
Grundy	11,552	16	97	140	86	117	268	4	40	65
Hamblen	18,611	41	1,989	3,431	1,842	2,890	6,115	19	1,081	1,546
Hamilton	180,478	331	33,184	74,399	28,979	58,548	128,851	249	19,972	41,001
Hancock	11,231	2	(d)	(d)	(d)	(d)	(d)	----	----	----
Hardeman	23,590	18	115	125	115	125	298	6	72	48

See footnotes 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										
Hardin	17,806	26	799	$1,080	766	$993	$2,062	16	176	$340
Hawkins	28,523	16	382	810	360	718	1,824	7	170	(d)
Haywood	27,699	9	161	184	138	142	443	8	11	67
Henderson	19,220	17	280	334	266	301	463	4	255	279
Henry	25,877	28	647	848	585	700	1,645	16	503	655
Hickman	14,873	12	759	(d)	704	(d)	(d)	3	257	(d)
Houston	6,432	5	80	75	77	70	148	10	143	164
Humphreys	12,421	14	327	437	317	407	699	7	175	(d)
Jackson	15,082	14	316	546	294	412	732	1	(d)	(d)
Jefferson	18,621	14	543	743	524	695	1,111	8	264	344
Johnson	12,998	9	49	41	49	41	67	3	115	(d)
Knox	178,468	216	19,905	43,477	17,314	33,576	74,962	182	14,640	28,871
Lake	11,235	14	346	495	320	430	1,353	3	91	(d)
Lauderdale	24,461	14	319	436	290	379	609	11	135	113
Lawrence	28,726	22	842	1,196	801	1,094	2,551	17	588	684
Lewis	5,849	8	537	(d)	519	(d)	(d)	2	(d)	(d)
Lincoln	27,214	20	652	1,089	610	978	2,220	15	410	596
Loudon	19,838	23	1,576	2,606	1,501	2,364	3,429	23	2,528	2,562
McMinn	30,781	57	2,265	3,512	2,092	2,963	7,293	32	2,045	3,212
McNairy	20,424	14	423	(d)	391	(d)	(d)	4	20	(d)
Macon	14,904	23	293	292	284	276	760	1	(d)	(d)
Madison	54,115	59	3,128	6,097	2,712	4,861	15,166	49	2,102	3,401
Marion	19,140	26	964	1,643	884	1,323	3,345	8	561	1,019
Marshall	16,030	26	1,942	3,383	1,719	2,833	6,532	13	864	1,712
Maury	40,357	44	2,729	5,926	2,421	4,870	15,113	34	1,791	4,062
Meigs	6,393	6	60	78	58	72	115	3	40	39
Monroe	24,275	37	671	948	631	831	1,996	12	676	697
Montgomery	33,346	33	2,151	4,052	1,913	3,172	7,053	29	1,006	1,640
Moore	4,093	3	120	(d)	107	(d)	(d)	----	----	----
Morgan	15,242	35	266	294	266	294	506	6	113	(d)
Obion	30,978	25	1,575	2,708	1,454	2,409	5,472	19	1,217	2,370
Overton	18,883	22	456	554	445	521	968	8	62	90
Perry	7,535	14	117	124	115	122	248	----	----	----
Pickett	6,213	3	53	(d)	53	(d)	(d)	4	37	(d)
Polk	15,473	21	672	(d)	574	(d)	(d)	6	290	(d)
Putnam	26,250	35	847	1,095	797	994	2,171	22	590	577
Rhea	16,353	23	958	1,287	913	1,137	2,387	21	701	712
Roane	27,795	35	2,998	5,164	2,823	4,619	7,620	18	2,103	2,454
Robertson	29,046	19	368	(d)	309	(d)	(d)	21	273	(d)
Rutherford	33,604	34	1,285	2,218	1,113	1,747	4,285	24	650	1,404
Scott	15,966	23	531	779	513	744	954	16	452	397
Sequatchie	5,038	9	24	36	24	36	74	3	12	(d)
Sevier	23,291	19	254	368	231	344	718	10	173	143
Shelby	358,250	491	35,216	85,382	28,809	62,698	198,873	364	18,125	57,494
Smith	16,148	5	50	(d)	44	(d)	(d)	5	14	(d)
Stewart	13,549	6	36	33	36	33	63	1	(d)	(d)
Sullivan	69,085	73	17,981	45,814	15,179	34,761	96,089	56	8,360	25,854
Sumner	32,719	29	2,020	3,394	1,925	3,032	6,771	17	1,132	1,635
Tipton	28,036	11	393	734	334	560	1,213	6	212	274
Trousdale	6,113	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Unicoi	14,128	14	1,378	2,764	1,326	2,546	3,940	9	537	966
Union	9,030	3	22	23	22	23	34	1	(d)	(d)
Van Buren	4,090	6	24	24	24	24	51	----	----	----
Warren	19,764	32	1,213	1,864	1,136	1,638	3,653	27	747	820
Washington	51,631	64	3,193	6,070	2,860	4,811	12,085	48	2,405	3,700
Wayne	13,638	26	418	493	398	434	1,123	7	113	169
Weakley	29,498	27	1,012	1,453	955	1,292	2,749	19	507	709
White	15,983	26	830	1,199	778	1,000	1,754	13	598	464
Williamson	25,220	13	550	999	498	838	1,356	10	478	845
Wilson	25,267	18	789	1,388	728	1,123	2,413	19	697	985
URBAN PLACES										
Bristol [1]	14,004	23	2,087	(d)	1,717	(d)	(d)	22	1,780	(d)
Chattanooga	128,163	276	30,572	69,586	26,537	54,310	120,029	218	17,064	35,873
Clarksville	11,831	28	2,125	4,013	1,891	3,139	6,910	23	934	1,529
Cleveland	11,351	38	2,966	6,050	2,695	4,594	12,353	30	2,657	4,174
Columbia	10,579	26	1,071	1,965	971	1,624	4,092	20	1,208	1,605
Dyersburg	10,034	15	943	1,945	864	1,515	3,770	18	834	1,576
Jackson	24,332	46	1,521	(d)	1,187	(d)	(d)	39	902	(d)
Johnson City	25,332	46	2,332	4,403	2,065	3,398	8,458	34	1,682	2,917
Kingsport	14,404	24	9,254	24,625	8,010	19,704	49,982	24	3,368	(d)
Knoxville	111,580	189	19,273	41,935	16,797	32,564	71,336	166	14,246	26,743
Memphis	292,942	460	33,160	81,859	26,873	59,563	189,940	320	13,821	48,886
Nashville	167,402	317	21,726	46,287	17,445	31,858	93,698	266	12,349	34,681

[d] Withheld to avoid disclosing figures for individual companies.
[1] General statistics for the independent city of Bristol, Va., are shown in table 2 for the State of Virginia.

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	**3,346**	**221,454**	**$473,211**	**192,367**	**390,844**	**$369,920**	**$957,539**	**$83,792**	**$24,356**	**$59,436**	**2,225**	**131,024**	**$318,378**
20	Food and kindred products	718	23,382	50,689	16,819	37,722	30,973	132,489	12,160	4,059	8,101	718	10,747	41,226
22	Textile mill products	155	35,885	68,275	33,891	66,692	59,666	121,294	10,872	3,045	7,827	128	33,573	41,466
23	Apparel and related products	138	19,122	27,464	17,666	32,363	22,295	47,627	1,515	386	1,129	94	14,181	19,232
24	Lumber and products, except furniture	962	19,118	31,188	18,089	37,221	27,175	51,862	3,189	1,527	1,662	393	12,421	18,265
25	Furniture and fixtures	123	7,942	15,163	7,263	14,438	11,589	26,102	2,237	1,001	1,236	66	4,695	7,165
26	Paper and allied products	42	4,817	11,785	4,136	8,705	9,029	35,807	6,051	1,444	4,607	33	2,491	8,158
27	Printing and publishing industries	345	9,313	23,998	6,177	12,712	15,572	46,841	1,734	443	1,291	267	3,885	17,925
28	Chemicals and allied products	158	28,204	74,224	22,572	45,889	53,011	162,578	22,741	6,109	16,632	128	15,074	69,261
31	Leather and leather products	53	10,455	19,839	9,977	21,447	17,663	41,411	636	233	403	30	5,498	8,455
32	Stone, clay, and glass products	229	8,332	17,442	7,525	15,665	14,631	32,787	3,762	1,263	2,499	103	4,979	12,246
33	Primary metal industries	50	15,151	37,403	13,409	27,467	31,154	86,104	6,986	1,524	5,462	36	6,670	32,148
34	Fabricated metal products	115	14,783	34,328	12,953	26,154	27,158	52,607	3,901	1,230	2,671	72	8,432	16,357
35	Machinery (except electrical)	87	5,508	13,622	4,640	9,614	10,248	24,256	1,245	294	951	45	1,860	5,446
36	Electrical machinery	22	1,224	2,918	1,044	2,164	2,215	5,089	1,943	578	1,365	11	162	534
37	Transportation equipment	20	5,012	12,719	4,556	8,658	10,962	22,649	1,861	727	1,134	7	1,068	5,710
39	Miscellaneous manufactures	83	2,734	4,592	2,470	5,266	3,644	8,428	359	110	249	64	1,451	2,576
	All other major industry groups	46	10,472	27,562	9,180	18,667	22,935	59,608	2,600	383	2,217	30	3,937	12,208

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
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]	**3,346**	**2,122**	**765**	**459**	**221,454**	**$473,211**	**131,024**	**192,367**	**$369,920**	**$957,539**	**$83,792**
20	FOOD AND KINDRED PRODUCTS	718	463	201	54	23,382	50,689	10,747	16,819	30,973	132,489	12,160
201	Meat products	57	30	19	8	3,538	8,914	1,814	2,779	6,254	17,267	1,451
2011	Meat packing, wholesale	31	15	8	8	2,891	7,608	1,572	2,320	5,444	14,379	1,316
2013	Prepared meats	22	14	8	----------	490	1,045	88	328	623	2,333	98
2015	Poultry dressing, wholesale	4	1	3	----------	157	261	154	131	187	555	37
202	Dairy products	80	36	41	3	2,427	5,107	[2] 870	1,833	3,583	13,280	2,454
2022	Natural cheese	17	7	10	----------	383	775	120	311	584	1,858	462
2023	Concentrated milk	7	4	2	1	438	1,129	258	380	955	3,579	467
2024	Ice cream and ices	39	20	18	1	1,089	2,206	254	745	1,338	4,986	1,111
203	Canning, preserving, and freezing	39	16	18	5	1,603	2,011	879	1,453	1,633	4,847	670
2033	Canning and preserving, except fish	25	8	12	5	1,246	1,553	837	1,137	1,279	3,929	333
2037	Frozen foods	10	5	5	----------	291	293	(d)	265	256	647	325
204	Grain-mill products	133	96	27	10	3,687	7,714	1,699	2,867	5,039	26,618	1,536
2041	Flour and meal	69	57	10	2	1,213	2,656	901	1,001	1,954	8,882	281
2042	Prepared animal feeds	53	33	13	7	2,124	4,289	570	1,609	2,582	15,534	1,022
205	Bakery products	87	47	27	13	4,412	10,662	[2] 2,851	3,149	5,953	20,451	2,501
2051	Bread and other bakery products	79	45	23	11	3,552	8,871	2,337	2,425	4,602	16,388	2,263
2052	Biscuit, crackers, and pretzels	8	2	4	2	860	1,791	514	724	1,351	4,063	238
207	Confectionery and related products	26	18	5	3	1,175	2,471	623	1,079	1,768	7,740	449
208	Beverages	127	92	31	4	2,657	5,941	753	1,301	2,388	15,137	1,611
209	Miscellaneous food preparations	169	128	33	8	3,883	7,869	1,258	2,358	4,355	27,149	1,488
2097	Manufactured ice	114	97	14	3	1,690	2,992	346	788	1,360	6,626	389
2099	Liquid, frozen, and dried eggs	4	1	3	----------	119	161	(d)	93	110	449	9
	Food preparations, n.e.c.	36	24	11	1	1,004	2,092	----------	650	1,082	5,159	474
21	TOBACCO MANUFACTURES	16	2	8	6	1,948	(d)	1,144	1,783	(d)	(d)	(d)
2131	Chewing and smoking tobacco	8	1	4	3	1,228	2,043	1,131	1,101	1,560	8,361	265
22	TEXTILE MILL PRODUCTS	155	24	55	76	35,885	68,275	33,573	33,891	59,666	121,294	10,872
2224	Yarn mills, cotton system	4	----------	1	3	1,665	3,195	(d)	1,598	2,843	5,094	282
223	Cotton and rayon broad-woven fabrics	9	----------	1	8	7,382	16,410	5,896	6,985	14,351	33,679	2,201
225	Knitting mills	110	17	46	47	20,447	35,715	20,345	19,382	31,560	56,512	5,486
2251	Full-fashioned hosiery mills	20	2	8	10	4,449	9,781	4,762	4,192	8,578	18,124	2,549
2252	Seamless hosiery mills	77	13	34	30	10,475	15,316	10,714	9,960	13,704	22,722	1,833
2261	Finishing textiles, except wool	6	----------	1	5	2,204	4,976	1,671	1,997	4,104	11,696	1,432
23	APPAREL AND RELATED PRODUCTS	138	32	39	67	19,122	27,464	14,181	17,666	22,295	47,627	1,515
232	Men's and boys' furnishings	67	6	17	44	12,967	17,591	9,555	12,023	14,372	28,379	795
2321	Men's dress shirts and nightwear	10	----------	2	8	2,165	2,698	1,438	2,085	2,324	4,216	94
2328	Work shirts	19	----------	3	16	4,444	6,330	4,261	3,864	4,700	10,965	182
2329	Men's and boys' clothing, n.e.c.	26	2	10	14	4,380	5,849	3,354	4,176	4,950	9,363	468
233	Women's and misses' outerwear	12	2	4	6	1,021	1,523	518	950	1,251	2,001	89
2334	Dresses, dozen price	6	----------	2	4	696	988	(d)	654	865	1,237	53
238	Miscellaneous apparel and accessories	5	----------	4	1	560	835	340	530	748	1,448	159
239	Miscellaneous fabricated textiles	38	21	9	8	2,256	4,048	1,316	1,967	2,980	9,022	256
2392	Housefurnishings, n.e.c.	18	10	5	3	1,039	1,359	(d)	936	1,135	2,888	139
2393	Textile bags	4	----------	1	3	695	1,567	235	620	1,160	3,160	50
2394	Canvas products	9	7	1	1	223	444	66	193	347	1,592	12

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
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	962	784	138	40	19,118	$31,188	12,421	18,089	$27,175	$51,862	$3,189
242	Lumber and timber basic products	823	714	89	20	11,933	17,739	7,251	11,513	16,246	32,827	1,406
2421	Sawmills and planing mills, general	790	698	80	12	9,146	13,256	6,495	8,810	12,125	25,275	1,115
2424	Cooperage stock mills	25	14	7	4	2,212	3,410	(d)	2,153	3,169	5,634	171
243	Millwork and related products	41	24	16	1	1,086	2,462	1,200	888	1,700	4,227	174
2431	Millwork plants	36	24	11	1	798	1,814	(d)	621	1,179	2,567	124
244	Wooden containers	32	13	11	8	3,102	5,705	1,516	2,911	4,752	5,546	578
2444	Wooden boxes (except cigar boxes)	17	5	8	4	1,526	2,818	920	1,413	2,170	4,092	444
249	Miscellaneous wood products	66	33	22	11	2,997	5,282	2,454	2,777	4,477	9,262	1,031
25	FURNITURE AND FIXTURES	123	61	40	22	7,942	15,163	4,595	7,263	11,589	26,102	2,237
251	Household furniture	108	50	37	21	7,415	14,327	4,169	6,775	10,891	24,789	2,199
2511	Wood house furniture, except upholst.	58	27	20	11	4,265	7,838	2,660	3,941	5,968	13,325	1,122
2512	Household furniture, upholstered	30	11	13	6	1,942	3,708	851	1,803	3,117	6,594	628
2515	Mattresses and bedsprings	14	7	3	4	1,103	2,642	(d)	946	1,702	4,494	403
256	Screens, shades, and blinds	7	5	1	1	389	571	378	364	477	941	6
26	PAPER AND ALLIED PRODUCTS	42	10	17	15	4,817	11,785	2,491	4,136	9,029	35,807	6,051
261	Pulp, paper, and paperboard	16	3	7	6	2,529	6,867	1,483	2,170	5,546	25,860	5,442
2611	Pulp mills	6	1	2	3	1,142	3,158	(d)	986	2,525	15,805	(d)
2612	Paper and board mills	10	2	5	3	1,387	3,709	(d)	1,184	3,021	10,055	(d)
267	Paperboard containers and boxes	20	4	10	6	1,679	3,440	748	1,463	2,353	7,147	526
27	PRINTING AND PUBLISHING INDUSTRIES	345	285	41	19	9,313	23,998	3,885	6,177	15,572	46,841	1,734
2711	Newspapers	122	108	9	5	3,223	9,125	1,325	1,749	5,022	20,284	(d)
2721	Periodicals	28	21	3	4	1,323	2,733	441	588	1,193	7,165	152
273	Books	9	6	1	2	347	838	71	176	397	1,753	167
2751	Commercial printing	132	108	18	6	2,371	5,620	1,170	1,928	4,202	9,044	550
279	Printing trades service industries	24	17	7	----------	353	1,179	141	267	906	1,752	74
2791	Typesetting	8	5	3	----------	121	343	42	100	284	457	22
2793	Photoengraving	8	6	2	----------	104	478	48	78	356	875	28
2794	Electrotyping and stereotyping	4	2	2	----------	102	321	41	72	239	349	24
28	CHEMICALS AND ALLIED PRODUCTS	158	77	51	30	28,204	74,224	15,074	22,572	53,011	162,578	22,741
2819	Inorganic chemicals, n.e.c.	8	2	2	4	1,547	3,964	1,020	1,279	3,025	11,605	1,380
282	Industrial organic chemicals	12	1	2	9	19,659	54,077	10,256	15,977	39,866	111,692	17,193
2834	Pharmaceutical preparations	25	15	4	6	2,086	4,710	651	1,324	2,172	11,473	473
2842	Cleaning and polishing preparations	9	7	2	----------	113	237	(d)	74	138	259	4
285	Paints and allied products	14	8	5	1	472	1,356	215	288	575	2,178	464
286	Gum and wood chemicals	5	----------	3	2	702	1,586	774	621	1,291	2,590	205
287	Fertilizers	12	----------	9	3	1,319	2,824	593	1,146	2,173	6,550	294
288	Vegetable and animal oils	23	9	10	4	1,345	3,161	(d)	1,182	2,346	11,289	1,732
289	Miscellaneous chemical products	42	30	12	----------	742	1,674	372	503	967	3,890	781
2899	Chemical products, n.e.c.	14	11	3	----------	171	375	128	120	182	695	(d)
29	PETROLEUM AND COAL PRODUCTS	11	6	3	2	596	(d)	(d)	502	(d)	(d)	(d)
30	RUBBER PRODUCTS	10	5	2	3	6,249	(d)	2,104	5,518	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	53	19	13	21	10,455	19,839	5,498	9,977	17,663	41,411	636
3111	Leather tanning and finishing	4	1	1	2	358	779	(d)	317	619	2,058	75
3141	Footwear, except rubber	21	----------	2	19	9,409	17,878	4,757	9,037	16,132	37,471	522
3192	Saddlery, harness, and whips	13	9	4	----------	256	444	299	233	358	699	17
32	STONE, CLAY, AND GLASS PRODUCTS	229	167	43	19	8,332	17,442	4,979	7,525	14,631	32,787	3,762
3231	Products of purchased glass	7	3	4	----------	230	366	(d)	196	289	522	(d)
325	Structural clay products	17	7	5	5	1,257	2,430	1,143	1,161	2,159	4,084	250
326	Pottery and related products	12	5	4	3	2,266	4,712	590	2,095	4,008	7,056	244
3269	Pottery products, n.e.c.	8	5	3	----------	124	176	(d)	115	158	234	3
327	Concrete and plaster products	168	142	25	1	1,828	3,487	832	1,637	2,881	6,843	1,713
3271	Concrete products	156	141	14	1	1,309	2,469	326	1,189	2,012	4,869	1,453
3275	Mineral wool	4	----------	4	----------	274	474	(d)	242	379	951	(d)
3281	Cut-stone and stone products	11	8	2	1	260	535	1,072	212	380	1,010	15
329	Misc. nonmetallic mineral products	6	2	3	1	296	663	222	264	533	1,254	185
33	PRIMARY METAL INDUSTRIES	50	13	22	15	15,151	37,403	6,670	13,409	31,154	86,104	6,986
34	FABRICATED METAL PRODUCTS	115	51	34	30	14,783	34,328	8,432	12,953	27,158	52,607	3,901
342	Cutlery, hand tools, and hardware	6	2	3	1	230	516	397	179	330	1,035	32
343	Heating and plumbing equipment	25	4	3	18	7,730	17,311	5,125	6,979	13,969	27,664	2,651
344	Structural metal products	50	26	18	6	4,901	12,971	1,593	4,021	9,828	17,839	745
3441	Structural and ornamental products	24	12	8	4	1,065	2,880	711	936	2,179	5,597	138
3443	Boiler shop products	11	1	8	2	3,669	9,687	826	2,943	7,367	11,296	579
346	Metal stamping and coating	16	9	5	2	1,071	1,876	986	1,010	1,639	3,283	242
3468	Plating and polishing	5	2	3	----------	102	209	(d)	91	180	228	10
3489	Wirework, n.e.c.	7	2	3	2	504	870	208	469	784	1,537	107
35	MACHINERY (EXCEPT ELECTRICAL)	87	50	20	17	5,508	13,622	1,860	4,640	10,248	24,256	1,245
3522	Farm machinery (except tractors)	11	5	3	3	1,169	3,095	311	1,026	2,551	3,995	119
355	Special-industry machinery, n.e.c.	30	19	9	2	839	2,152	(d)	654	1,464	3,736	132
3553	Woodworking machinery	9	6	2	1	327	841	72	259	484	1,545	66
3559	Special-industry machinery, n.e.c.	11	7	4	----------	235	572	(d)	170	370	1,248	36
356	General industrial machinery	11	4	2	5	1,302	3,268	(d)	1,055	2,346	6,605	297
359	Miscellaneous machinery parts	14	9	2	3	697	1,604	331	607	1,264	2,824	139
36	ELECTRICAL MACHINERY	22	8	10	4	1,224	2,918	162	1,044	2,215	5,089	1,943
3691	Storage batteries	7	1	6	----------	330	873	97	254	535	2,151	935
37	TRANSPORTATION EQUIPMENT	20	8	3	9	5,012	12,719	1,068	4,556	10,962	22,649	1,861
3799	Transportation equipment, n.e.c.	5	3	2	----------	112	214	(d)	98	172	522	32
38	INSTRUMENTS AND RELATED PRODUCTS	9	7	----------	2	1,679	(d)	(d)	1,377	(d)	(d)	(d)
39	MISCELLANEOUS MANUFACTURES	83	50	25	8	2,734	4,592	1,451	2,470	3,644	8,428	359
394	Toys and sporting goods	12	7	3	2	530	683	352	506	621	1,606	19
399	Miscellaneous manufactures	50	32	17	1	985	1,997	595	871	1,574	2,903	148
3988	Morticians' goods	19	9	9	1	542	1,027	302	474	772	1,360	121
3993	Signs and advertising displays	15	11	4	----------	246	671	171	213	542	929	24

[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

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

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
	DAVIDSON COUNTY							
	All industries, total [1]	370	30,310	$68,750	24,915	$50,136	$134,030	$8,909
20	Food and kindred products	99	4,631	10,184	3,278	5,817	28,396	2,252
202	Dairy products	12	427	833	293	471	2,781	521
203	Canning, preserving, and freezing	4	153	123	143	89	447	44
204	Grain-mill products	18	1,027	2,093	794	1,177	9,724	560
205	Bakery products	13	849	1,887	601	978	3,341	426
208	Beverages	17	553	1,343	246	501	2,850	332
209	Miscellaneous food preparations	21	449	685	240	302	2,057	117
21	Tobacco manufactures	4	387	(d)	348	(d)	(d)	(d)
22	Textile mill products	9	2,442	4,471	2,287	3,869	7,886	143
23	Apparel and related products	14	2,493	4,121	1,924	2,247	6,255	92
24	Lumber and products, except furniture	22	853	1,440	786	1,193	1,922	100
242	Lumber and timber basic products	8	404	651	376	501	778	32
243	Millwork and related products	10	207	432	181	372	655	60
25	Furniture and fixtures	13	919	1,799	835	1,376	3,043	129
26	Paper and allied products	7	348	(d)	316	(d)	(d)	(d)
27	Printing and publishing industries	74	3,633	8,830	2,262	5,193	18,684	759
272	Periodicals	11	1,191	2,481	538	1,124	6,632	122
275	Commercial printing	32	956	2,330	786	1,742	3,248	212
279	Printing trades service industries	9	194	628	154	475	881	42
28	Chemicals and allied products	28	5,684	16,330	4,678	12,458	33,055	3,576
287	Fertilizers	4	789	1,627	691	1,315	3,975	137
29	Petroleum and coal products	2	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	2	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	8	1,871	(d)	1,781	(d)	(d)	(d)
32	Stone, clay, and glass products	24	820	1,731	724	1,397	2,773	494
327	Concrete and plaster products	16	251	440	219	312	904	192
33	Primary metal industries	5	205	434	187	373	616	24
34	Fabricated metal products	18	2,170	5,142	1,892	3,833	8,390	369
343	Heating and plumbing equipment	6	1,707	4,000	1,468	2,924	6,529	306
344	Structural metal products	6	296	877	271	679	1,350	31
35	Machinery (except electrical)	15	356	819	315	626	1,310	41
36	Electrical machinery	5	209	549	151	270	1,544	91
37	Transportation equipment	5	2,793	(d)	2,702	(d)	(d)	(d)
38	Instruments and related products	4	238	(d)	236	(d)	(d)	(d)
39	Miscellaneous manufactures	12	221	445	181	328	566	26
	HAMILTON COUNTY							
	All industries, total [1]	331	33,184	$74,399	28,979	$58,548	$128,851	$9,369
20	Food and kindred products	54	2,415	5,665	1,626	2,980	13,490	889
201	Meat products	9	280	560	191	248	805	63
202	Dairy products	4	175	337	78	171	977	51
205	Bakery products	12	515	1,256	359	672	2,115	186
208	Beverages	7	248	559	81	142	1,239	102
209	Miscellaneous food preparations	15	595	1,574	370	768	5,350	294
22	Textile mill products	31	7,167	14,510	6,784	12,770	27,838	1,610
225	Knitting mills	22	3,579	7,131	3,334	6,032	12,560	880
23	Apparel and related products	12	1,047	1,424	1,009	1,249	3,338	83
239	Miscellaneous fabricated textiles	6	641	788	620	739	1,798	29
24	Lumber and products, except furniture	52	1,375	2,809	1,229	1,983	4,349	621
242	Lumber and timber basic products	36	245	486	215	390	1,030	29
25	Furniture and fixtures	18	1,988	3,856	1,823	3,080	6,651	360
251	Household furniture	15	1,942	3,773	1,788	3,024	6,543	358
26	Paper and allied products	7	1,155	2,590	998	1,967	6,775	435
27	Printing and publishing industries	37	752	2,031	541	1,439	3,954	71
275	Commercial printing	21	232	521	191	409	994	18
28	Chemicals and allied products	17	746	1,881	451	801	4,750	127
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	4	269	534	239	391	771	29
32	Stone, clay, and glass products	14	1,790	4,100	1,564	3,248	7,312	604
325	Structural clay products	3	431	778	376	647	1,305	90
33	Primary metal industries	15	3,510	8,223	3,211	6,989	12,599	1,247
34	Fabricated metal products	26	7,249	17,349	6,295	14,226	20,893	2,076
343	Heating and plumbing equipment	7	2,967	6,405	2,797	5,804	8,020	1,335
344	Structural metal products	10	3,559	9,492	2,837	7,184	10,837	510
35	Machinery (except electrical)	23	2,447	6,448	2,094	4,946	10,868	515
355	Special-industry machinery, n.e.c.	11	371	1,013	298	653	1,705	67
36	Electrical machinery	6	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	5	482	1,169	434	1,034	2,813	397
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	8	144	284	129	240	361	3

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
		SHELBY COUNTY						
	All industries, total [1]	491	35,216	$85,382	28,809	$62,698	$198,873	$19,420
20	Food and kindred products	126	7,191	16,223	5,118	10,197	45,251	3,939
201	Meat products	11	1,261	3,194	990	2,259	6,481	929
202	Dairy products	10	258	520	187	291	1,114	195
204	Grain-mill products	14	1,076	2,118	829	1,449	6,636	489
205	Bakery products	25	1,521	3,831	1,120	2,339	7,604	1,043
207	Confectionery and related products	11	391	749	366	599	3,316	180
208	Beverages	15	714	1,783	352	790	4,895	399
209	Miscellaneous food products	37	1,794	3,718	1,149	2,296	14,886	638
21	Tobacco manufactures	2	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	4	808	(d)	678	(d)	(d)	(d)
23	Apparel and related products	19	1,294	2,604	1,052	1,695	5,306	202
239	Miscellaneous fabricated textiles	12	1,095	2,365	868	1,482	4,811	195
24	Lumber and products, except furniture	47	5,293	10,240	4,970	8,897	14,058	931
242	Lumber and timber basic products	14	2,327	3,988	2,279	3,752	7,050	321
249	Miscellaneous wood products	16	1,137	2,220	1,057	1,883	3,464	282
25	Furniture and fixtures	29	2,450	4,923	2,224	3,422	8,558	872
26	Paper and allied products	16	1,708	4,530	1,392	3,152	18,190	(d)
267	Paperboard containers and boxes	8	544	1,342	439	765	2,750	187
27	Printing and publishing industries	55	1,341	4,130	760	2,272	8,651	193
275	Commercial printing	27	430	1,169	300	766	1,692	105
28	Chemicals and allied products	62	3,276	7,764	2,415	4,708	21,798	2,328
283	Drugs and medicines	10	915	1,998	575	959	5,826	198
288	Vegetable and animal oils	9	965	2,329	852	1,741	8,426	1,188
289	Miscellaneous chemical products	23	450	977	290	482	2,641	387
29	Petroleum and coal products	7	339	898	300	728	3,643	98
30	Rubber products	3	5,230	(d)	4,616	(d)	(d)	(d)
31	Leather and leather products	4	68	132	63	106	217	1
32	Stone, clay, and glass products	25	567	1,184	499	977	1,869	(d)
327	Concrete and plaster products	19	341	840	301	700	1,442	(d)
33	Primary metal industries	5	298	752	273	620	1,154	105
34	Fabricated metal products	37	1,371	3,168	1,177	2,415	6,549	254
344	Structural metal products	21	715	1,836	625	1,400	4,344	147
35	Machinery (except electrical)	16	1,371	3,405	1,063	2,327	6,865	280
355	Special-industry machinery, n.e.c.	5	120	284	68	139	477	8
356	General industrial machinery	6	1,030	2,627	811	1,839	5,639	255
36	Electrical machinery	8	376	871	324	691	1,088	1,652
37	Transportation equipment	5	1,477	(d)	1,216	(d)	(d)	(d)
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	19	330	614	294	485	1,045	21
399	Miscellaneous manufactures	13	281	525	254	430	856	18

[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	3,346	718	16	155	138	962	123	42	345	158	11	10	53	229	50	115	87	22	20	9	83
1-19 employees	2,122	463	2	24	32	784	61	10	285	77	6	5	19	167	13	51	50	8	8	7	50
20-99 employees	765	201	8	55	39	138	40	17	41	51	3	2	13	43	22	34	20	10	3		25
100 employees and over	459	54	6	76	67	40	22	15	19	30	2	3	21	19	15	30	17	4	9	2	8
Anderson:																					
1-19 employees	7	1				4			1					1							
20-99 employees	3	2				1															
100 employees and over	1			1																	
Bedford:																					
1-19 employees	23	8				4		1	1	1			4	2			1				1
20-99 employees	8	1		2	1								2					1			1
100 employees and over	6			1	3																2
Benton:																					
1-19 employees	8					5			2					1							
Bledsoe:																					
1-19 employees	11	1				9			1												
100 employees and over	1			1																	
Blount:																					
1-19 employees	29	3		1		17			1					2	2	1	1				1
20-99 employees	5	1			1	1			1												1
100 employees and over	4			1		1									2						
Bradley:																					
1-19 employees	50	9		4	3	24	2		3	2				1							2
20-99 employees	10	1		5		1			2						1						
100 employees and over	11			4	1		1									4					1
Campbell:																					
1-19 employees	16	2				9			2					2			1				
20-99 employees	3				1	1				1											
100 employees and over	1				1																
Cannon:																					
1-19 employees	6	1				4			1												
20-99 employees	1	1																			
100 employees and over	1				1																
Carroll:																					
1-19 employees	19	5				8			3					3							
20-99 employees	4	1				3															
100 employees and over	2				2																
Carter:																					
1-19 employees	14	2		1		7	1							2							1
20-99 employees	5	1		1			1		1					1							
100 employees and over	3			1						2											
Cheatham:																					
1-19 employees	8	1				7															
Chester:																					
1-19 employees	7	1				4			1					1							
100 employees and over	1				1																
Claiborne:																					
1-19 employees	13	1				6	1		1					4							
Clay:																					
1-19 employees	7					6	1														
20-99 employees	1					1															
Cocke:																					
1-19 employees	24	2		2		16			3							1					
20-99 employees	3	1		1		1							1								
100 employees and over	2	1																			
Coffee:																					
1-19 employees	19	8			2	4			3					2							
20-99 employees	9				4	3		1					1								2
100 employees and over	4				1								1								
Crockett:																					
1-19 employees	4	2							1												1
20-99 employees	2	1			1																
Cumberland:																					
1-19 employees	23					19	1		2					1							
20-99 employees	2			1		1															
Davidson:																					
1-19 employees	195	54	1	2	3	13	6	2	48	15	2	2	4	14	1	5	11	1		3	8
20-99 employees	110	31	2	2	4	7	5	4	15	7			2	8	4	8	2	4	1		4
100 employees and over	65	14	1	5	7	2	2	1	11	6			2	2		5	2		4	1	
Decatur:																					
1-19 employees	8	1				4			1					2							
20-99 employees	1													1							
100 employees and over	2				2																
De Kalb:																					
1-19 employees	4	1				1			2												
20-99 employees	2	1		1																	
Dickson:																					
1-19 employees	25	5				15	2		1					2							
20-99 employees	2					1								1							
100 employees and over	2				2																
Dyer:																					
1-19 employees	17	5				4	1		3					2							2
20-99 employees	5	1			1	2				1											
100 employees and over	2			1		1															
Fayette:																					
1-19 employees	8	1				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
Fentress:																					
1–19 employees	26					25								1							
Franklin:																					
1–19 employees	17	7				5			2	1				2							
20–99 employees	2					1								1							
100 employees and over	4				2								1	1							
Gibson:																					
1–19 employees	12	2							5				1	4							
20–99 employees	9	4		1	1	1				2											
100 employees and over	8				3	2						1	2								
Giles:																					
1–19 employees	11	4				2			2					3							
20–99 employees	6	3				2				1											
100 employees and over	2				1								1								
Grainger:																					
1–19 employees	3					3															
20–99 employees	1			1																	
Greene:																					
1–19 employees	25	7				9			3				3	1	1				1		
20–99 employees	8	2		1			2		1	1						1					
100 employees and over	3	1	1		1																
Grundy:																					
1–19 employees	15	2				11			1					1							
20–99 employees	1	1																			
Hamblen:																					
1–19 employees	23	8		2		1	3		4	1			1	3							
20–99 employees	11	2		2		1	5										1				
100 employees and over	7			2		1	4														
Hamilton:																					
1–19 employees	163	25		3	4	43	5	1	33	8			1	4	3	10	12	4	1	1	5
20–99 employees	93	24		13	5	5	7	1	3	6			2	5	7	5	5		2		3
100 employees and over	75	5		15	3	4	6	5	1	3	1		1	5	5	11	6	2	2		
Hancock:																					
1–19 employees	2					2															
Hardeman:																					
1–19 employees	18	1				11			1					5							
Hardin:																					
1–19 employees	18	2				15			1												
20–99 employees	6	1				4															1
100 employees and over	2												2								
Hawkins:																					
1–19 employees	14	4				8			1					1							
20–99 employees	1			1																	
100 employees and over	1								1												
Haywood:																					
1–19 employees	8	5							1	1				1							
20–99 employees	1				1																
Henderson:																					
1–19 employees	15	2				9			1					2					1		
20–99 employees	1					1															
100 employees and over	1				1																
Henry:																					
1–19 employees	25	5				10			2	1		1		6							
20–99 employees	2					1				1											
100 employees and over	1				1																
Hickman:																					
1–19 employees	8					6								2							
20–99 employees	2				1										1						
100 employees and over	2									1			1								
Houston:																					
1–19 employees	4					4															
20–99 employees	1				1																
Humphreys:																					
1–19 employees	12	2				8			1					1							
20–99 employees	1				1																
100 employees and over	1				1																
Jackson:																					
1–19 employees	11	2				8			1												
20–99 employees	2				2																
100 employees and over	1				1																
Jefferson:																					
1–19 employees	9	2				4			1					1		1					
20–99 employees	3	1		2																	
100 employees and over	2	1														1					
Johnson:																					
1–19 employees	9					8			1												
Knox:																					
1–19 employees	117	23		3	5	13	10	1	21	4	1		2	6	1	8	8	1		1	9
20–99 employees	60	20		3		6	2	3	5	2				11	3		3				2
100 employees and over	39	7		7	7	3			2	2				3	2	1	2		1	1	1
Lake:																					
1–19 employees	8	4				1			1	1				1							
20–99 employees	6	2				2				2											
Lauderdale:																					
1–19 employees	9	5				3			1												
20–99 employees	4	2				1	1														
100 employees and over	1					1															
Lawrence:																					
1–19 employees	19	7				9			1					1							1
20–99 employees	2					2															
100 employees and over	1				1																
Lewis:																					
1–19 employees	5	1				3			1												
20–99 employees	2	1				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
Lincoln:																					
1-19 employees	16	7				5			1					2		1					
20-99 employees	1	1																			
100 employees and over	3			1	2																
Loudon:																					
1-19 employees	16	5				7			2					2							
20-99 employees	3	1												1	1						
100 employees and over	4			2			1								1						
McMinn:																					
1-19 employees	35	5		1	1	16	3		2	1				3	2		1				
20-99 employees	13			8			3	1									1				
100 employees and over	9			6	1		1									1					
McNairy:																					
1-19 employees	12	1				8			2					1							
100 employees and over	2												2								
Macon:																					
1-19 employees	18					17			1												
20-99 employees	5	1		1		3															
Madison:																					
1-19 employees	34	14			2	6	2		2	2				4			1				1
20-99 employees	20	6				6	1		2	2				2		1					
100 employees and over	5			1		4															
Marion:																					
1-19 employees	20	4			1	13			1					1							
20-99 employees	2			1		1															
100 employees and over	4			1										1	1	1					
Marshall:																					
1-19 employees	16	7				3			3					3							
20-99 employees	5	2				1						1									1
100 employees and over	5												1		1	1					2
Maury:																					
1-19 employees	27	12				5	1		4					4							1
20-99 employees	10	4		1					1	2				2							
100 employees and over	7			1	2					2				1				1			
Meigs:																					
1-19 employees	5					5															
20-99 employees	1					1															
Monroe:																					
1-19 employees	29	6		1	1	18			2					1							
20-99 employees	5	1		1		2										1					
100 employees and over	3	1		2																	
Montgomery:																					
1-19 employees	15	5	1			3			2					3			1				
20-99 employees	14	4	4		3	1			1						1						
100 employees and over	4		1		1							1	1								
Moore:																					
1-19 employees	1								1												
20-99 employees	2	1											1								
Morgan:																					
1-19 employees	34					34															
20-99 employees	1					1															
Obion:																					
1-19 employees	16	9				1			2	1				2							1
20-99 employees	5	1			1	2							1								
100 employees and over	4	1			2								1								
Overton:																					
1-19 employees	16	3				12			1												
20-99 employees	5					5															
100 employees and over	1				1																
Perry:																					
1-19 employees	14					13			1												
Pickett:																					
1-19 employees	2					2															
20-99 employees	1					1															
Polk:																					
1-19 employees	17					15			1					1							
20-99 employees	1				1										1						
100 employees and over	3			1						1											
Putnam:																					
1-19 employees	28	8				12	2		2	1				2			1				
20-99 employees	4					4															
100 employees and over	3			1	1	1															
Rhea:																					
1-19 employees	17	4		1	1	8			2					1							
20-99 employees	3			1		2															
100 employees and over	3			2	1																
Roane:																					
1-19 employees	22	1			1	16			3					1							
20-99 employees	8	1		2		1		2		1						1					
100 employees and over	5			2		1									1		1				
Robertson:																					
1-19 employees	15	4				4			4					3							
20-99 employees	3		1			1	1														
100 employees and over	1			1																	
Rutherford:																					
1-19 employees	20	11				5			1					3							
20-99 employees	10	5				3			1												1
100 employees and over	4	1		2													1				
Scott:																					
1-19 employees	15					14			1												
20-99 employees	7			1		6															
100 employees and over	1					1															
Sequatchie:																					
1-19 employees	9	2				7															
Sevier:																					
1-19 employees	14	2				8			3					1							
20-99 employees	5	2		1		1	1														
Shelby:																					
1-19 employees	243	56		2	7	11	14	5	48	32	3	1	3	17	1	20	6	2	3	2	10
20-99 employees	170	51	1	1	7	22	9	4	5	21	3	1	1	7	3	14	6	5			9
100 employees and over	78	19	1	1	5	14	6	7	2	9	1	1		1	1	3	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
Smith:																					
1-19 employees	4	2							1					1							
20-99 employees	1	1																			
Stewart:																					
1-19 employees	6					6															
Sullivan:																					
1-19 employees	38	7				11	3		7					1	2	2	3				2
20-99 employees	12	5							2	1			1		1	2					
100 employees and over	23	2		5	3	1		2	2	4				3			1				
Sumner:																					
1-19 employees	22	7				8			2					3		1			1		
20-99 employees	2	1				1															
100 employees and over	5	1	1			1							2								
Tipton:																					
1-19 employees	10	3							1	1				4					1		
100 employees and over	1			1																	
Trousdale:																					
1-19 employees	2	1												1							
Unicoi:																					
1-19 employees	10	1				5			2	1				1							
20-99 employees	2					1								1							
100 employees and over	2				1									1							
Union:																					
1-19 employees	3					3															
Van Buren:																					
1-19 employees	6					6															
Warren:																					
1-19 employees	22	4			1	11			1	1				3							1
20-99 employees	7				1	4	1										1				
100 employees and over	3			2									1								
Washington:																					
1-19 employees	43	19				10	1		4			1		3		1	2				2
20-99 employees	13	5				1	1		1				1	2		1	1				
100 employees and over	8			3		2	1							1		1					
Wayne:																					
1-19 employees	19					17			1												1
20-99 employees	7					6															1
Weakley:																					
1-19 employees	21	8				7			3	1				1			1				
20-99 employees	4					3							1								
100 employees and over	2		1		1																
White:																					
1-19 employees	20	3				12	1		1					3							
20-99 employees	5					4		1													
100 employees and over	1				1																
Williamson:																					
1-19 employees	9	3				2			1	1				2							
20-99 employees	3	1			1	1															
100 employees and over	1															1					
Wilson:																					
1-19 employees	10	5		1		2			1					1							
20-99 employees	4	1				2															1
100 employees and over	4			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	**$473,211**	**221,454**	**219,004**	**218,740**	**219,498**	**220,238**	**218,583**	**217,469**	**215,817**	**214,834**	**220,525**	**220,767**	**221,180**	**220,317**	**220,078**
20	Food and kindred products	50,689	23,382	22,679	20,808	20,396	20,968	21,657	22,778	23,039	24,145	25,921	24,599	23,527	22,687	21,622
22	Textile mill products	68,275	35,885	35,808	37,187	37,363	37,357	35,510	33,992	33,890	34,025	34,740	35,467	36,129	36,882	37,153
23	Apparel and related products	27,464	19,122	18,987	19,631	19,347	19,325	19,009	18,935	18,761	17,482	18,942	19,424	19,134	19,093	18,755
24	Lumber and products, exc. furniture	31,188	19,118	18,868	18,891	19,200	19,656	19,821	19,621	19,529	19,369	19,176	18,724	18,256	17,296	16,881
25	Furniture and fixtures	15,163	7,942	7,635	7,523	7,403	7,243	6,635	6,900	6,978	7,016	7,518	8,089	8,598	8,871	8,845
26	Paper and allied products	11,785	4,817	4,814	4,828	4,806	4,761	4,781	4,771	4,713	4,759	4,764	4,856	4,855	4,890	4,985
27	Printing and publishing industries	23,998	9,313	9,263	9,057	9,095	9,146	9,144	9,190	9,273	9,372	9,377	9,408	9,373	9,378	9,338
28	Chemicals and allied products	74,224	28,204	28,156	28,529	28,773	28,232	27,942	27,492	27,464	27,549	27,701	28,045	28,986	28,513	28,651
31	Leather and leather products	19,839	10,455	10,428	9,849	10,034	10,284	10,485	10,399	10,450	10,532	10,645	10,565	10,394	10,689	10,808
32	Stone, clay, and glass products	17,442	8,332	8,133	7,918	7,952	7,971	8,145	8,116	8,143	7,994	8,171	8,287	8,423	8,312	8,165
33	Primary metal industries	37,403	15,151	15,122	15,636	15,817	16,009	15,750	15,706	15,079	14,853	14,808	14,445	14,478	14,327	14,555
34	Fabricated metal products	34,328	14,783	14,615	14,153	14,652	14,581	14,598	14,315	13,993	14,126	14,549	14,867	15,109	15,236	15,205
35	Machinery (except electrical)	13,622	5,508	5,369	5,345	5,502	5,241	5,621	5,890	5,659	5,027	5,117	5,135	5,226	5,300	5,360
36	Electrical machinery	2,918	1,224	1,221	918	951	1,075	1,029	1,013	1,072	1,111	1,269	1,336	1,479	1,737	1,660
37	Transportation equipment	12,719	5,012	4,982	4,620	4,667	4,960	5,213	5,127	5,205	5,225	5,389	5,144	4,863	4,650	4,721
39	Miscellaneous manufactures	4,592	2,734	2,518	2,485	2,525	2,535	2,486	2,476	2,398	2,540	2,539	2,533	2,530	2,570	2,606
	All other major industry groups	27,562	10,472	10,406	11,362	11,015	10,894	10,757	10,748	10,171	9,709	9,899	9,843	9,820	9,886	10,768

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

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

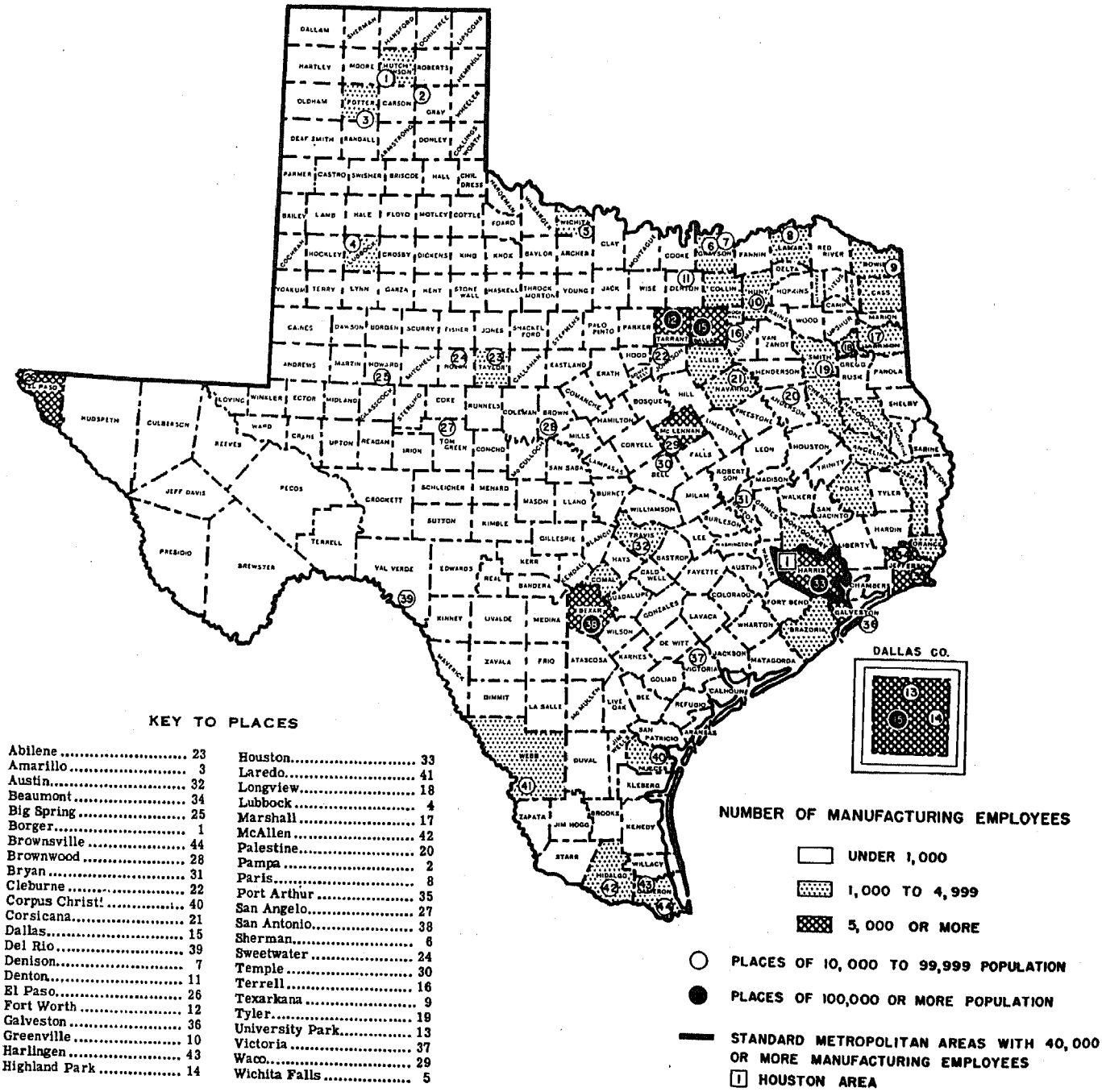
ITEM	Total for the State	Principal industrial counties		
		Davidson	Hamilton	Shelby
ALL ESTABLISHMENTS				
Number of establishments	3,346	370	331	491
Number of employees (average for the year)	221,454	30,310	33,184	35,216
Salaries and wages, total	$473,211	$68,750	$74,399	$85,382
Value added by manufacture	$957,539	$134,030	$128,851	$198,873
Establishments by employment size group:				
1–4 employees	857	73	71	81
5–9 employees	745	73	52	81
10–19 employees	520	49	40	81
20–49 employees	472	72	51	95
50–99 employees	293	38	42	75
100–249 employees	268	35	34	56
250–499 employees	122	20	29	14
500–999 employees	44	6	9	5
1,000–2,499 employees	17	3	2	2
2,500 employees and over	8	1	1	1
ESTABLISHMENTS REPORTING DETAILED STATISTICS				
Number of establishments	2,262	291	253	401
Number of employees (average for the year)	215,159	29,835	32,772	34,725
Salaries and wages, total	$465,238	$67,997	$73,646	$84,561
Value added by manufacture	$941,864	$132,462	$127,330	$197,496
ESTABLISHMENTS REPORTING DETAILED STATISTICS —Continued				
Number of employees for pay period ended nearest Oct. 15:				
All employees	217,230	30,058	33,699	35,216
Male	148,850	21,045	25,243	27,642
Female	68,380	9,013	8,456	7,574
Production workers	187,752	24,592	29,471	28,702
Male	127,484	17,246	22,214	22,725
Female	60,268	7,346	7,257	5,977
Force-account construction workers	320	72	29	47
Administrative, supervisory, sales, and all other	29,158	5,394	4,199	6,467
Male	21,046	3,739	3,000	4,870
Female	8,112	1,655	1,199	1,597
Expenditures for plant and equipment:				
New plant and equipment	$83,792	$8,909	$9,369	$19,420
Construction and major alteration of fixed plants	24,356	2,327	2,862	5,827
Buildings	21,327	2,138	2,667	5,458
Other construction	3,029	189	195	369
Machinery and equipment	59,436	6,582	6,507	13,593
Production machinery and equipment	51,840	5,267	5,688	12,080
Other machinery and equipment	7,596	1,315	819	1,513
Used plant and equipment and land	5,570	1,205	526	528

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	5,553	1,778	2,739	900	73	32	31	26	198
Van	475		247	191	17	11	9		
Stake or platform	1,777	248	1,107	375	21	13	13		
Panel or light delivery	1,642	1,253	389						
All other	1,659	277	996	334	35	8	9		
Truck tractors	361	4	100	154	47	31	25		
Trailers and semitrailers	379							49	37

TEXAS

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 HOUSTON 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	
	TEXAS					
1947	7,128	297,053	$755,411	242,014	$558,420	$1,727,464
1939 [3]	5,085	163,978	196,747	125,115	126,364	448,523
1937	4,422	152,055	175,785	129,501	132,505	439,854
1935 [4]	4,167	117,275	125,069	99,124	90,202	295,128
1933	3,648	n.a.	n.a.	91,374	73,427	237,307
1931	4,326	n.a.	n.a.	94,867	99,061	272,935
1929	5,198	156,143	201,732	134,498	151,827	460,307
1927	4,065	n.a.	n.a.	116,763	130,409	363,653
1925	3,606	n.a.	n.a.	106,792	116,363	392,809
1923	3,693	n.a.	n.a.	102,358	111,462	331,740
1921	3,566	n.a.	n.a.	88,707	103,946	272,396
1919	5,390	124,110	146,230	106,268	114,935	295,709
1914	5,062	86,232	59,112	74,765	44,762	108,024
1909	4,588	80,079	48,775	70,230	37,907	94,717
1904	3,158	54,819	30,587	49,066	24,469	58,925
1899	3,107	41,465	19,830	38,604	16,912	38,506
	HOUSTON METROPOLITAN AREA [Consists of Harris County, Texas]					
1947	916	58,606	$182,282	46,001	$131,512	$385,549
1939 [3]	620	27,116	41,566	22,600	30,423	106,608
1929 [5]	475	26,213	37,909	22,131	28,097	93,498
1919	422	n.a.	n.a.	11,411	12,173	31,964

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and the 1947 figures for the Houston 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 $453.1 million for the State and $107.1 million for the Houston 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 $306.7 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 1929 figures for the Houston Metropolitan Area could not be adjusted to exclude data for "Railroad repair shops," "Manufactured gas," and other industries no longer classified as manufacturing, and therefore they are not entirely comparable with the figures for later years. (See footnote [4].) Also, they are not entirely comparable with the figures for 1919 because of the inclusion of data for the "Automobile repairing" industry in that year.

TABLE 2.—GENERAL STATISTICS FOR THE HOUSTON 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	**6,414,824**	**7,128**	**297,053**	**$755,411**	**242,014**	**$558,420**	**$1,727,464**	**5,085**	**125,115**	**$448,523**
STANDARD METROPOLITAN AREA										
Houston area	528,961	916	58,606	182,282	46,001	131,512	385,549	620	22,600	106,608
COUNTIES										
Anderson	37,092	42	917	1,669	822	1,448	2,910	22	217	481
Andrews	1,277	1	(d)	(d)	(d)	(d)	(d)			
Angelina	32,201	47	4,521	10,637	4,035	9,110	23,553	31	1,813	3,425
Aransas	3,469	7	112	(d)	97	(d)	(d)	1	(d)	(d)
Archer	7,599							3	48	(d)
Armstrong	2,495							1	(d)	(d)
Atascosa	19,275	6	16	25	15	23	66	2	(d)	(d)
Austin	17,384	12	116	172	93	131	431	6	38	(d)
Bailey	6,318	4	47	63	45	57	152	1	(d)	(d)
Bandera	4,234	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Bastrop	21,610	14	387	698	331	533	1,179	15	227	406
Baylor	7,755	3	17	24	12	17	56	5	30	67
Bee	16,481	8	95	171	61	97	320	8	35	152
Bell	44,863	43	820	1,797	623	1,132	3,742	28	278	920
Bexar	338,176	463	15,514	31,511	12,530	21,922	68,931	332	6,692	22,254
Blanco	4,264	1	(d)	(d)	(d)	(d)	(d)			
Borden	1,396							5	81	(d)
Bosque	15,761	7	99	(d)	88	(d)	(d)	55	1,504	3,221
Bowie	50,208	66	2,536	4,430	2,106	3,365	8,719	7	106	(d)
Brazoria	27,069	20	3,671	(d)	2,769	(d)	(d)			

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE HOUSTON 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										
Brazos	26,977	21	308	$569	224	$381	$1,368	13	59	$297
Brewster	6,478	4	19	33	14	23	64	3	5	31
Briscoe	4,056	4	30	53	25	43	94	2	(d)	(d)
Brooks	6,362	3	19	(d)	13	(d)	(d)	5	33	(d)
Brown	25,924	29	442	851	338	572	1,691	28	227	519
Burleson	18,334	4	260	(d)	240	(d)	(d)	5	239	(d)
Burnet	10,771	7	46	57	40	48	118	1	(d)	(d)
Caldwell	24,893	17	153	198	135	154	402	12	136	(d)
Calhoun	5,911	3	69	(d)	61	(d)	(d)	1	(d)	(d)
Callahan	11,568	5	47	(d)	35	(d)	(d)	3	19	(d)
Cameron	83,202	87	2,461	3,933	2,026	2,668	9,967	65	832	2,474
Camp	10,235	16	507	668	487	600	1,225	13	242	272
Carson	6,624	2	(d)	(d)	(d)	(d)	(d)	4	(d)	(d)
Cass	33,496	41	1,008	1,448	976	1,377	2,913	20	842	882
Castro	4,631	3	8	13	7	10	22	1	(d)	(d)
Chambers	7,511	2	(d)	(d)	(d)	(d)	(d)	6	(d)	(d)
Cherokee	43,970	61	1,643	2,275	1,557	2,054	4,226	43	1,174	1,242
Childress	12,149	10	126	239	94	183	568	10	63	252
Clay	12,524	4	87	(d)	72	(d)	(d)	2	(d)	(d)
Cochran	3,735	1	(d)	(d)	(d)	(d)	(d)			
Coke	4,590	1	(d)	(d)	(d)	(d)	(d)			
Coleman	20,571	11	220	362	174	262	706	14	88	198
Collin	47,190	27	1,009	1,940	923	1,683	4,171	15	649	786
Collingsworth	10,331	5	28	37	26	35	134	3	11	30
Colorado	17,812	12	113	200	77	117	437	12	54	142
Comal	12,321	19	1,516	3,187	1,424	2,808	6,199	19	795	1,972
Comanche	19,245	8	124	192	93	132	983	8	43	101
Concho	6,192	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Cooke	24,909	19	281	485	219	344	924	17	121	404
Coryell	20,226	8	53	67	47	62	109	7	21	88
Cottle	7,079	6	29	72	17	33	155	4	12	61
Crane	2,841	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Crockett	2,809	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Crosby	10,046	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Culberson	1,653									
Dallam	6,494	11	139	354	89	212	774	6	27	154
Dallas	398,564	1,068	38,936	97,507	30,695	66,852	238,995	698	16,267	61,458
Dawson	15,367	9	199	(d)	169	(d)	(d)	9	89	(d)
Deaf Smith	6,056	9	109	250	86	191	738	6	28	127
Delta	12,858	4	58	(d)	47	(d)	(d)	5	57	(d)
Denton	33,658	29	910	2,311	603	1,021	4,683	18	181	668
De Witt	24,935	21	924	1,743	816	1,455	3,348	29	632	883
Dickens	7,847	1	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Dimmit	8,542	3	29	(d)	26	(d)	(d)	1	(d)	(d)
Donley	7,487	6	16	35	13	23	59	6	16	49
Duval	20,565	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Eastland	30,345	32	434	640	362	502	1,129	22	72	383
Ector	15,051	22	265	739	185	507	3,114	15	108	359
Edwards	2,933							1	(d)	(d)
Ellis	47,733	42	1,394	2,431	1,155	1,822	5,229	29	426	991
El Paso	131,067	148	6,176	13,780	5,116	10,183	35,175	128	3,051	7,427
Erath	20,760	11	91	143	66	95	323	11	77	222
Falls	35,984	11	94	148	68	92	413	14	98	212
Fannin	41,064	15	630	1,203	584	1,053	2,338	17	525	821
Fayette	29,246	20	211	369	176	292	1,313	16	124	471
Fisher	12,932	8	403	1,109	349	943	4,459	6	168	949
Floyd	10,659	5	49	(d)	41	(d)	(d)	4	14	(d)
Foard	5,237	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Fort Bend	32,963	16	817	(d)	715	(d)	(d)	15	581	(d)
Franklin	8,378	4	23	29	18	23	80	2	(d)	(d)
Freestone	21,138	10	92	111	78	92	139	5	25	(d)
Frio	9,207	4	14	22	10	16	44	2	(d)	(d)
Gaines	8,136	7	52	115	39	91	734	3	6	(d)
Galveston	81,173	66	9,119	29,095	7,431	23,025	73,580	69	3,111	13,640
Garza	5,678	3	284	(d)	274	(d)	(d)	4	236	(d)
Gillespie	10,670	10	169	(d)	153	(d)	(d)	10	52	(d)
Glasscock	1,193									
Goliad	8,798	4	14	22	11	18	52	3	5	(d)
Gonzales	26,075	13	582	825	534	727	1,803	9	303	261
Gray	23,911	20	609	1,801	519	1,534	5,900	20	378	2,095
Grayson	69,499	66	3,173	6,929	2,593	5,020	23,182	63	2,137	5,176
Gregg	58,027	72	2,365	5,510	1,905	3,980	9,806	46	671	2,824
Grimes	21,960	12	289	404	258	350	978	6	80	(d)
Guadalupe	25,596	13	393	618	321	470	1,635	12	188	462
Hale	18,813	18	423	1,163	328	823	3,303	18	153	795
Hall	12,117	6	102	(d)	74	(d)	(d)	6	53	(d)
Hamilton	13,303	8	65	136	48	104	614	7	36	79
Hansford	2,783	3	27	59	26	55	79	4	11	19
Hardeman	11,073	8	318	881	277	759	2,606	8	184	932
Hardin	15,875	18	767	1,248	725	1,142	2,252	6	1,000	871
Harris	528,961	916	58,606	182,282	46,001	131,512	385,549	620	22,600	106,608
Harrison	50,900	71	2,584	4,279	2,359	3,645	7,977	32	1,277	2,579
Hartley	1,873									
Haskell	14,905	5	44	(d)	34	(d)	(d)	3	27	(d)
Hays	15,349	12	118	206	85	147	495	6	30	124

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE HOUSTON 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										
Hemphill	4,170	5	44	$67	42	$61	$128	4	142	(d)
Henderson	31,822	16	311	479	263	389	911	12	189	$255
Hidalgo	106,059	109	3,117	4,227	2,701	3,043	10,303	61	1,096	2,377
Hill	38,355	17	708	1,212	643	1,034	2,283	13	473	(d)
Hockley	12,693	4	136	(d)	97	(d)	(d)	5	23	(d)
Hood	6,674	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Hopkins	30,274	17	293	518	241	390	2,165	14	174	475
Houston	31,137	37	792	951	748	881	1,767	16	237	279
Howard	20,990	15	542	(d)	359	(d)	(d)	20	208	(d)
Hudspeth	3,149							1	(d)	(d)
Hunt	48,793	38	1,230	2,314	1,014	1,726	4,778	31	680	2,136
Hutchinson	19,069	30	3,227	10,133	2,493	7,266	69,171	24	1,142	5,506
Irion	1,963	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Jack	10,206	3	34	(d)	23	(d)	(d)	5	37	(d)
Jackson	11,720	8	59	98	42	63	246	4	43	63
Jasper	17,491	24	1,109	1,902	1,043	1,732	3,452	13	679	1,086
Jeff Davis	2,375									
Jefferson	145,320	150	23,181	77,879	18,851	60,488	177,508	114	12,082	68,905
Jim Hogg	5,449	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Jim Wells	20,230	8	88	177	67	119	469	8	52	128
Johnson	30,384	29	381	509	343	425	962	20	206	338
Jones	23,378	14	162	315	132	253	880	16	136	546
Karnes	19,248	8	64	116	55	84	337	9	55	92
Kaufman	38,308	24	415	691	345	522	1,274	16	167	507
Kendall	5,080	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Kenedy	700									
Kent	3,413							1	(d)	(d)
Kerr	11,650	9	47	75	33	52	178	6	27	64
Kimble	5,064	5	16	25	14	22	44	3	9	20
King	1,066									
Kinney	4,533	1	(d)	(d)	(d)	(d)	(d)			
Kleberg	13,344	5	52	107	39	74	239	6	30	163
Knox	10,090	7	51	(d)	35	(d)	(d)	5	29	(d)
Lamar	50,425	46	1,180	2,108	1,009	1,577	4,743	35	796	1,505
Lamb	17,606	11	108	205	92	165	210	7	80	247
Lampasas	9,167	8	147	(d)	135	(d)	(d)	5	41	(d)
La Salle	8,003	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Lavaca	25,485	13	184	300	150	244	745	12	150	327
Lee	12,751	8	200	(d)	170	(d)	(d)	3	7	(d)
Leon	17,733	9	76	96	73	91	176	6	75	65
Liberty	24,541	52	744	1,203	709	1,111	1,921	21	368	500
Limestone	33,781	12	362	669	314	566	1,246	9	265	489
Lipscomb	3,764	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Live Oak	9,799	4	44	(d)	36	(d)	(d)	2	(d)	(d)
Llano	5,996	5	70	134	61	93	289	6	21	50
Loving	285									
Lubbock	51,782	78	1,470	3,719	1,092	2,379	8,558	60	707	2,356
Lynn	11,931	4	6	14	5	12	28	4	11	36
McCulloch	13,208	8	97	182	77	140	322	10	61	111
McLennan	101,898	134	6,451	14,655	5,375	11,172	32,621	107	2,834	6,907
McMullen	1,374									
Madison	12,029	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Marion	11,457	20	496	608	479	571	1,702	7	162	213
Martin	5,556	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Mason	5,378	3	14	19	8	14	35	4	7	32
Matagorda	20,066	18	284	612	202	367	1,622	15	190	435
Maverick	10,071	6	262	292	237	239	449	4	16	121
Medina	16,106	8	123	(d)	114	(d)	(d)	5	204	(d)
Menard	4,521	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Midland	11,721	6	70	180	61	158	358	7	36	141
Milam	33,120	12	98	180	77	123	503	12	50	234
Mills	7,951	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Mitchell	12,477	8	208	(d)	184	(d)	(d)	6	149	(d)
Montague	20,442	13	303	733	258	503	1,228	14	176	516
Montgomery	23,055	46	2,135	3,454	2,069	3,241	7,510	17	970	1,126
Moore	4,461	8	693	2,109	631	1,840	7,436	9	237	1,753
Morris	9,810	9	568	1,295	532	1,186	1,089	4	63	39
Motley	4,994	3	10	15	9	13	42	1	(d)	(d)
Nacogdoches	35,392	44	1,854	2,855	1,716	2,508	5,748	30	1,236	1,650
Navarro	51,308	33	1,408	2,894	1,190	2,224	4,080	26	636	1,271
Newton	13,700	15	834	1,421	810	1,354	2,543	5	1,195	1,592
Nolan	17,309	23	695	1,863	569	1,413	5,404	16	360	2,055
Nueces	92,661	129	4,577	13,496	3,408	9,184	41,599	85	1,188	9,385
Ochiltree	4,213	8	62	146	34	77	224	6	15	62
Oldham	1,385									
Orange	17,382	33	3,835	11,027	2,222	5,978	16,598	15	523	999
Palo Pinto	18,456	19	353	695	259	460	1,147	14	141	455
Panola	22,513	18	458	562	453	530	989	6	111	121
Parker	20,482	20	346	604	270	483	1,586	16	203	457
Parmer	5,890	1	(d)	(d)	(d)	(d)	(d)			
Pecos	8,185	6	28	61	21	41	150	6	15	48
Polk	20,635	26	1,369	2,556	1,315	2,416	4,424	15	1,415	1,730
Potter	54,265	90	2,426	7,131	1,850	5,129	14,985	69	955	3,876
Presidio	10,925	6	48	(d)	36	(d)	(d)	5	19	(d)
Rains	7,334									

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE HOUSTON 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										
Randall	7,185	4	37	(d)	29	(d)	(d)	3	17	(d)
Reagan	1,997	1	(d)	(d)	(d)	(d)	(d)			
Real	2,420									
Red River	29,769	22	263	$325	248	$288	$812	12	205	$479
Reeves	8,006	10	62	122	49	85	227	5	31	90
Refugio	10,383	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Roberts	1,289	1	(d)	(d)	(d)	(d)	(d)			
Robertson	25,710	7	71	148	56	96	315	5	48	170
Rockwall	7,051	3	10	12	7	9	32			
Runnels	18,903	9	55	99	45	75	351	10	60	134
Rusk	51,023	43	585	817	543	707	1,353	25	270	590
Sabine	10,896	10	955	(d)	876	(d)	(d)	2	(d)	(d)
San Augustine	12,471	11	182	251	178	245	478	3	33	(d)
San Jacinto	9,056	5	85	125	84	122	197			
San Patricio	28,871	17	183	328	150	222	987	13	618	(d)
San Saba	11,012	4	29	36	25	28	81	3	7	25
Schleicher	3,083	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Scurry	11,545	3	14	17	8	9	34	5	40	122
Shackelford	6,211	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Shelby	29,235	44	868	1,110	832	1,010	2,038	16	165	315
Sherman	2,026									
Smith	69,090	90	2,459	5,419	2,073	4,258	11,076	60	1,049	2,876
Somervell	3,071	2	(d)	(d)	(d)	(d)	(d)			
Starr	13,312	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Stephens	12,356	8	123	178	95	133	779	9	60	152
Sterling	1,404	1	(d)	(d)	(d)	(d)	(d)			
Stonewall	5,589	1	(d)	(d)	(d)	(d)	(d)			
Sutton	3,977	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Swisher	6,528	6	(d)	(d)	(d)	(d)	(d)	6	(d)	(d)
Tarrant	225,521	427	32,039	83,298	26,414	61,967	146,501	296	8,036	30,112
Taylor	44,147	57	1,294	2,521	990	1,732	5,068	47	613	1,869
Terrell	2,952	3	80	(d)	69	(d)	(d)	1	(d)	(d)
Terry	11,160	8	212	573	186	491	2,983	5	23	39
Throckmorton	4,275	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Titus	19,228	14	368	566	336	487	451	14	289	1,146
Tom Green	39,302	56	827	1,989	652	1,465	4,746	31	224	1,005
Travis	111,053	113	2,554	5,853	1,848	3,676	11,793	95	1,200	4,640
Trinity	13,705	16	778	1,315	763	1,244	2,249	6	610	467
Tyler	11,948	30	631	1,024	624	1,010	1,662	12	413	370
Upshur	26,178	36	498	774	476	708	1,501	11	222	230
Upton	4,297	4	13	18	10	13	50	4	12	32
Uvalde	13,246	6	68	135	48	89	245	4	14	57
Val Verde	15,453	10	59	98	48	80	239	8	22	102
Van Zandt	31,155	9	(d)	(d)	(d)	(d)	(d)	6	(d)	(d)
Victoria	23,741	21	254	532	190	379	1,322	15	120	357
Walker	19,868	20	528	810	487	711	1,670	7	337	629
Waller	10,280	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Ward	9,575	8	178	556	116	343	3,140	9	96	752
Washington	25,387	14	364	624	316	519	1,096	12	222	361
Webb	45,916	29	1,025	1,547	892	1,183	2,906	17	363	1,064
Wharton	36,158	23	354	739	306	580	1,386	20	112	423
Wheeler	12,411	8	50	93	34	53	311	11	78	212
Wichita	73,604	101	2,972	7,446	2,427	5,525	21,648	100	1,627	5,325
Wilbarger	20,474	26	424	1,016	359	806	2,068	18	171	611
Willacy	13,230	10	226	356	203	282	1,041	8	26	73
Williamson	41,698	24	601	1,073	516	727	2,431	28	334	818
Wilson	17,066	5	175	(d)	153	(d)	(d)	6	134	(d)
Winkler	6,141	3	50	(d)	42	(d)	(d)	9	44	(d)
Wise	19,074	6	182	246	168	218	549	7	76	125
Wood	24,360	27	392	575	362	512	1,078	21	314	414
Yoakum	5,354	1	(d)	(d)	(d)	(d)	(d)			
Young	19,004	15	243	411	206	338	1,688	21	154	552
Zapata	3,916									
Zavala	11,603	6	247	245	229	201	768	3	32	(d)
URBAN PLACES										
Abilene	26,612	47	1,214	2,357	927	1,609	4,776	40	506	(d)
Amarillo	51,686	89	1,962	(d)	1,415	(d)	(d)	68	571	(d)
Austin	87,930	98	2,179	5,150	1,507	3,142	10,241	91	1,072	4,387
Beaumont	59,061	93	2,901	7,099	2,165	4,617	15,776	71	1,705	5,361
Big Spring	12,604	13	(d)	(d)	(d)	(d)	(d)	17	(d)	(d)
Borger	10,018	13	2,211	(d)	1,642	(d)	(d)	9	118	(d)
Brownsville	22,083	26	408	614	328	405	1,650	24	226	466
Brownwood	13,398	27	(d)	(d)	(d)	(d)	(d)	27	(d)	(d)
Bryan	11,842	20	(d)	(d)	(d)	(d)	(d)	13	(d)	(d)
Cleburne	10,558	15	320	437	284	356	840	10	72	171
Corpus Christi	57,301	101	2,651	7,694	1,990	5,276	27,597	62	612	3,957
Corsicana	15,232	27	1,365	(d)	1,151	(d)	(d)	24	559	(d)
Dallas	294,734	942	34,245	85,437	26,965	58,193	209,201	629	13,647	49,154
Del Rio	13,343	10	59	98	48	80	239	8	22	102
Denison	15,581	26	972	(d)	779	(d)	(d)	22	419	(d)

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE HOUSTON 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				
URBAN PLACES—Con.										
Denton	11,192	22	755	$2,080	462	$813	$4,370	16	133	(d)
El Paso	96,810	133	5,028	10,894	4,098	7,807	28,982	112	1,886	(d)
Fort Worth	177,662	382	30,495	78,902	25,108	58,532	133,952	269	6,956	$25,391
Galveston	60,862	47	4,103	12,409	3,533	10,287	21,924	55	1,856	(d)
Greenville	13,995	27	1,090	2,031	897	1,512	4,013	24	573	1,955
Harlingen	13,306	30	979	1,708	747	1,033	4,055	19	171	771
Highland Park	10,288							1	(d)	(d)
Houston	384,514	779	40,563	118,699	31,214	82,225	257,050	560	15,466	68,807
Laredo	39,274	26	682	(d)	575	(d)	(d)	15	185	(d)
Longview	13,758	28	632	1,398	511	984	2,659	18	299	817
Lubbock	31,853	63	1,073	2,608	801	1,656	6,599	51	573	1,916
McAllen	11,877	27	921	950	794	693	2,125	13	215	452
Marshall	18,410	38	1,191	2,155	1,023	1,690	3,946	23	612	1,489
Palestine	12,144	16	559	1,199	470	1,007	1,819	15	130	(d)
Pampa	12,895	9	115	(d)	64	(d)	(d)	10	80	(d)
Paris	18,678	39	1,145	2,053	974	1,522	4,638	33	781	(d)
Port Arthur	46,140	31	6,133	(d)	5,212	(d)	(d)	21	301	(d)
San Angelo	25,802	51	816	1,971	641	1,447	4,705	30	197	(d)
San Antonio	253,854	442	14,411	28,619	11,714	20,179	62,828	305	5,730	17,808
Sherman	17,156	25	1,212	3,351	899	2,294	10,290	28	802	3,086
Sweetwater	10,367	18	253	(d)	190	(d)	(d)	13	135	(d)
Temple	15,344	32	669	1,522	495	929	2,995	23	262	839
Terrell	10,481	12	188	320	150	233	736	10	140	410
Texarkana [1]	17,019	34	1,145	2,134	833	1,335	4,545	35	919	(d)
Tyler	28,279	61	1,859	4,332	1,535	3,343	9,247	41	782	2,147
University Park	14,458									
Victoria	11,566	17	220	(d)	167	(d)	(d)	14	105	(d)
Waco	55,982	107	3,703	7,120	3,002	5,039	13,001	93	1,697	4,576
Wichita Falls	45,112	81	2,812	7,084	2,290	5,231	20,452	72	1,375	4,365

d Withheld to avoid disclosing figures for individual companies.
1 General statistics for Texarkana city in Miller County, Arkansas, are shown in table 2 for the State of Arkansas.

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	**7,123**	**297,053**	**$755,411**	**242,014**	**511,925**	**$558,420**	**$1,727,464**	**$304,944**	**$149,226**	**$155,718**	**5,085**	**125,115**	**$448,523**
20	Food and kindred products	2,029	57,784	130,543	42,817	94,856	82,484	337,558	31,806	10,811	20,995	1,982	25,146	106,506
22	Textile mill products	48	8,164	16,672	7,745	16,712	14,808	29,133	1,880	488	1,392	46	7,079	8,609
23	Apparel and related products	361	22,008	35,065	20,164	39,677	27,563	71,128	2,301	753	1,548	211	10,173	14,540
24	Lumber and products, exc. furniture	915	30,694	51,387	29,354	63,552	47,267	95,988	5,598	1,753	3,845	418	19,881	26,872
25	Furniture and fixtures	266	5,843	12,455	5,119	10,656	9,740	23,029	2,209	908	1,301	166	2,669	6,110
26	Paper and allied products	57	4,674	13,084	3,850	8,833	10,212	32,992	17,126	6,115	11,011	34	1,552	5,070
27	Printing and publishing industries	1,155	17,756	47,903	10,332	20,808	27,214	92,467	5,701	2,622	3,079	866	6,590	34,864
28	Chemicals and allied products	433	23,552	68,575	17,475	38,304	46,398	234,496	132,006	53,014	78,992	339	6,847	27,661
29	Petroleum and coal products	109	37,696	139,040	29,662	60,452	105,908	359,680	69,157	59,960	9,197	120	18,971	123,236
31	Leather and leather products	51	1,690	3,512	1,470	2,938	2,710	5,962	500	269	231	33	637	1,347
32	Stone, clay, and glass products	399	10,629	23,298	9,284	20,246	18,742	57,646	9,435	2,370	7,065	221	5,098	19,341
33	Primary metal industries	109	11,682	32,526	10,585	22,372	27,923	58,337	7,331	2,464	4,867	58	3,140	6,349
34	Fabricated metal products	327	13,143	35,038	10,964	23,379	26,938	66,826	5,873	2,460	3,413	165	4,183	13,323
35	Machinery (except electrical)	370	23,299	69,908	18,327	38,863	49,335	129,575	9,555	3,346	6,209	216	8,358	36,677
36	Electrical machinery	55	1,946	5,211	1,714	3,718	3,967	12,163	1,651	1,085	566	23	441	1,969
37	Transportation equipment	99	20,735	57,434	18,285	36,180	46,651	91,893	1,317	300	1,017	38	2,767	11,853
38	Instruments and related products	49	921	2,182	735	1,575	1,592	3,681	460	174	286	13	132	333
39	Miscellaneous manufactures	280	3,284	7,609	2,800	5,854	5,743	14,458	737	306	431	127	1,180	3,205
	All other major industry groups	16	1,553	3,969	1,332	2,950	3,225	10,452	301	28	273	9	271	658

TABLE 2.—GENERAL STATISTICS FOR THE HOUSTON 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										
Randall	7,185	4	37	(d)	29	(d)	(d)	3	17	(d)
Reagan	1,997	1	(d)	(d)	(d)	(d)	(d)			
Real	2,420									
Red River	29,769	22	263	$325	248	$288	$812	12	265	$479
Reeves	8,006	10	62	122	49	85	227	5	31	90
Refugio	10,383	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Roberts	1,289	1	(d)	(d)	(d)	(d)	(d)			
Robertson	25,710	7	71	148	56	96	315	5	48	170
Rockwall	7,051	3	10	12	7	9	32			
Runnels	18,903	9	55	99	45	75	351	10	60	134
Rusk	51,023	43	585	817	543	707	1,353	25	270	590
Sabine	10,896	10	955	(d)	876	(d)	(d)	2	(d)	(d)
San Augustine	12,471	11	182	251	178	245	478	3	33	(d)
San Jacinto	9,056	5	85	125	84	122	197			
San Patricio	28,871	17	183	328	150	222	987	13	618	(d)
San Saba	11,012	4	29	36	25	28	81	3	7	25
Schleicher	3,083	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Scurry	11,545	3	14	17	8	9	34	5	40	122
Shackelford	6,211	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Shelby	29,235	44	868	1,110	832	1,010	2,038	16	165	315
Sherman	2,026									
Smith	69,090	90	2,459	5,419	2,073	4,258	11,676	60	1,049	2,876
Somervell	3,071	2	(d)	(d)	(d)	(d)	(d)			
Starr	13,312	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Stephens	12,356	8	123	178	95	133	779	9	60	152
Sterling	1,404	1	(d)	(d)	(d)	(d)	(d)			
Stonewall	5,589	1	(d)	(d)	(d)	(d)	(d)			
Sutton	3,977	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Swisher	6,528	6	(d)	(d)	(d)	(d)	(d)	6	(d)	(d)
Tarrant	225,521	427	32,039	83,298	26,414	61,967	146,501	296	8,036	30,112
Taylor	44,147	57	1,294	2,521	990	1,732	5,068	47	613	1,869
Terrell	2,952	3	80	(d)	69	(d)	(d)	1	(d)	(d)
Terry	11,160	8	212	573	186	491	2,983	5	23	39
Throckmorton	4,275	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Titus	19,228	14	368	566	336	487	451	14	289	1,146
Tom Green	39,302	56	827	1,989	652	1,465	4,746	31	224	1,005
Travis	111,053	113	2,554	5,853	1,848	3,676	11,793	95	1,200	4,640
Trinity	13,705	16	778	1,315	763	1,244	2,249	6	610	467
Tyler	11,948	30	631	1,024	624	1,010	1,662	12	413	370
Upshur	26,178	36	498	774	476	708	1,501	11	222	230
Upton	4,297	4	13	18	10	13	50	4	12	32
Uvalde	13,246	6	68	135	48	89	245	4	14	57
Val Verde	15,453	10	59	98	48	80	239	8	22	102
Van Zandt	31,155	9	(d)	(d)	(d)	(d)	(d)	6	(d)	(d)
Victoria	23,741	21	254	532	190	379	1,322	15	120	357
Walker	19,868	20	528	810	487	711	1,670	7	337	629
Waller	10,280	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Ward	9,575	8	178	556	116	343	3,140	9	96	752
Washington	25,387	14	364	624	316	519	1,096	12	222	361
Webb	45,916	29	1,025	1,547	892	1,183	2,906	17	363	1,064
Wharton	36,158	23	354	739	306	580	1,386	20	112	423
Wheeler	12,411	8	50	93	34	53	311	11	78	212
Wichita	73,604	101	2,972	7,446	2,427	5,525	21,648	100	1,627	5,325
Wilbarger	20,474	26	424	1,016	359	806	2,068	18	171	611
Willacy	13,230	10	226	356	203	282	1,041	8	26	73
Williamson	41,698	24	601	1,073	516	727	2,431	28	334	818
Wilson	17,066	5	175	(d)	153	(d)	(d)	6	134	(d)
Winkler	6,141	3	50	(d)	42	(d)	(d)	9	44	(d)
Wise	19,074	6	182	246	168	218	549	7	76	125
Wood	24,360	27	392	575	362	512	1,078	21	314	414
Yoakum	5,354	1	(d)	(d)	(d)	(d)	(d)			
Young	19,004	15	243	411	206	338	1,688	21	154	552
Zapata	3,916									
Zavala	11,603	6	247	245	229	201	768	3	32	(d)
URBAN PLACES										
Abilene	26,612	47	1,214	2,357	927	1,609	4,776	40	506	(d)
Amarillo	51,686	89	1,962	(d)	1,415	(d)	(d)	68	571	(d)
Austin	87,930	98	2,179	5,150	1,507	3,142	10,241	91	1,072	4,387
Beaumont	59,061	93	2,901	7,099	2,165	4,617	15,776	71	1,705	5,361
Big Spring	12,604	13	(d)	(d)	(d)	(d)	(d)	17	(d)	(d)
Borger	10,018	13	2,211	(d)	1,642	(d)	(d)	9	118	(d)
Brownsville	22,083	26	408	614	328	405	1,650	24	226	466
Brownwood	13,398	27	(d)	(d)	(d)	(d)	(d)	27	(d)	(d)
Bryan	11,842	20	(d)	(d)	(d)	(d)	(d)	13	(d)	(d)
Cleburne	10,558	15	320	437	284	356	840	10	72	171
Corpus Christi	57,301	101	2,651	7,694	1,990	5,276	27,597	62	612	3,957
Corsicana	15,232	27	1,365	(d)	1,151	(d)	(d)	24	559	(d)
Dallas	294,734	942	34,245	85,437	26,965	58,193	209,201	629	13,647	49,154
Del Rio	13,343	10	59	98	48	80	239	8	22	102
Denison	15,581	26	972	(d)	779	(d)	(d)	22	419	(d)

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE HOUSTON 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				
URBAN PLACES—Con.										
Denton	11,192	22	755	$2,080	462	$813	$4,370	16	133	(d)
El Paso	96,810	133	5,028	10,894	4,098	7,807	28,982	112	1,886	(d)
Fort Worth	177,662	382	30,495	78,902	25,108	58,532	133,952	269	6,956	$25,391
Galveston	60,862	47	4,103	12,409	3,533	10,287	21,924	55	1,856	(d)
Greenville	13,995	27	1,090	2,031	897	1,512	4,013	24	573	1,955
Harlingen	13,306	30	979	1,708	747	1,033	4,055	19	171	771
Highland Park	10,288							1	(d)	(d)
Houston	384,514	779	40,563	118,699	31,214	82,225	257,050	560	15,466	68,807
Laredo	39,274	26	682	(d)	575	(d)	(d)	15	185	(d)
Longview	13,758	28	632	1,398	511	984	2,659	18	299	817
Lubbock	31,853	63	1,073	2,608	801	1,656	6,599	51	573	1,916
McAllen	11,877	27	921	950	794	693	2,125	13	215	452
Marshall	18,410	38	1,191	2,155	1,023	1,690	3,946	23	612	1,489
Palestine	12,144	16	559	1,199	470	1,007	1,819	15	130	(d)
Pampa	12,895	9	115	(d)	64	(d)	(d)	10	80	(d)
Paris	18,678	39	1,145	2,053	974	1,522	4,638	33	781	(d)
Port Arthur	46,140	31	6,133	(d)	5,212	(d)	(d)	21	301	(d)
San Angelo	25,802	51	816	1,971	641	1,447	4,705	30	197	(d)
San Antonio	253,854	442	14,411	28,619	11,714	20,179	62,828	305	5,730	17,808
Sherman	17,156	25	1,212	3,351	899	2,294	10,290	28	802	3,086
Sweetwater	10,367	18	253	(d)	190	(d)	(d)	13	135	(d)
Temple	15,344	32	669	1,522	495	929	2,995	23	262	839
Terrell	10,481	12	188	320	150	233	736	10	140	410
Texarkana [1]	17,019	34	1,145	2,134	833	1,335	4,545	35	919	(d)
Tyler	28,279	61	1,859	4,332	1,535	3,343	9,247	41	782	2,147
University Park	14,458									
Victoria	11,566	17	229	(d)	167	(d)	(d)	14	105	(d)
Waco	55,982	107	3,703	7,120	3,002	5,039	13,001	93	1,697	4,576
Wichita Falls	45,112	81	2,812	7,084	2,290	5,231	20,452	72	1,375	4,365

[d] Withheld to avoid disclosing figures for individual companies.
[1] General statistics for Texarkana city in Miller County, Arkansas, are shown in table 2 for the State of Arkansas.

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	**7,123**	**297,053**	**$755,411**	**242,014**	**511,925**	**$558,420**	**$1,727,464**	**$304,944**	**$149,226**	**$155,718**	**5,085**	**125,115**	**$448,523**
20	Food and kindred products	2,029	57,784	130,543	42,817	94,856	82,484	337,558	31,806	10,811	20,995	1,982	25,146	106,506
22	Textile mill products	48	8,164	16,672	7,745	16,712	14,808	29,133	1,880	488	1,392	46	7,079	8,609
23	Apparel and related products	361	22,008	35,065	20,164	39,677	27,563	71,128	2,301	753	1,548	211	10,173	14,540
24	Lumber and products, exc. furniture	915	30,694	51,387	29,354	63,552	47,267	95,988	5,598	1,753	3,845	418	19,881	26,872
25	Furniture and fixtures	266	5,843	12,455	5,119	10,656	9,740	23,029	2,209	908	1,301	166	2,669	6,110
26	Paper and allied products	57	4,674	13,084	3,850	8,833	10,212	32,992	17,126	6,115	11,011	34	1,552	5,070
27	Printing and publishing industries	1,155	17,756	47,903	10,332	20,808	27,214	92,467	5,701	2,622	3,079	866	6,590	34,864
28	Chemicals and allied products	433	23,552	68,575	17,475	38,304	46,398	234,496	132,006	53,014	78,992	339	6,847	27,661
29	Petroleum and coal products	109	37,696	139,040	29,662	60,452	105,908	359,680	69,157	59,960	9,197	120	18,971	123,236
31	Leather and leather products	51	1,690	3,512	1,470	2,938	2,710	5,962	500	269	231	33	637	1,347
32	Stone, clay, and glass products	399	10,629	23,298	9,284	20,246	18,742	57,646	9,435	2,370	7,065	221	5,098	19,341
33	Primary metal industries	109	11,682	32,526	10,585	22,372	27,923	58,337	7,331	2,464	4,867	58	3,140	6,349
34	Fabricated metal products	327	13,143	35,038	10,964	23,379	26,938	66,826	5,873	2,460	3,413	165	4,183	13,323
35	Machinery (except electrical)	370	23,299	69,908	18,327	38,863	49,335	129,575	9,555	3,346	6,209	216	8,358	36,677
36	Electrical machinery	55	1,946	5,211	1,714	3,718	3,967	12,163	1,651	1,085	566	23	441	1,969
37	Transportation equipment	99	20,735	57,434	18,285	36,180	46,651	91,893	1,317	300	1,017	38	2,767	11,853
38	Instruments and related products	49	921	2,182	735	1,575	1,592	3,681	460	174	286	13	132	333
39	Miscellaneous manufactures	280	3,284	7,609	2,800	5,854	5,743	14,458	737	306	431	127	1,180	3,205
	All other major industry groups	16	1,553	3,969	1,332	2,950	3,225	10,452	301	28	273	9	271	658

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	No. 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]	**7,128**	**4,824**	**1,755**	**549**	**297,053**	**$755,411**	**125,115**	**242,014**	**$558,420**	**$1,727,464**	**$304,944**
20	FOOD AND KINDRED PRODUCTS	2,029	1,399	520	110	57,784	130,543	25,146	42,817	82,484	337,558	31,806
201	Meat products	183	97	64	22	12,122	30,950	5,665	9,621	22,427	57,940	4,231
2011	Meat packing, wholesale	115	66	30	19	10,097	27,317	3,985	7,906	19,829	49,503	3,257
2013	Prepared meats	38	18	18	2	1,103	2,390	255	909	1,602	6,370	570
2015	Poultry dressing, wholesale	30	13	16	1	922	1,243	1,425	806	996	2,067	404
202	Dairy products	110	77	32	1	2,189	4,319	[3] 1,598	1,588	2,816	10,982	2,028
2021	Creamery butter	16	13	3	----------	212	411	600	172	319	1,038	140
2022	Natural cheese	11	8	3	----------	165	330	117	138	254	583	(d)
2024	Ice cream and ices	73	53	20	----------	1,297	2,538	641	829	1,405	6,588	1,690
203	Canning, preserving, and freezing	138	61	63	14	6,033	7,309	2,785	5,545	5,768	21,703	2,695
2033	Canning and preserving, except fish	100	37	51	12	5,006	5,675	2,130	4,622	4,466	12,557	2,380
2035	Pickles and sauces	25	19	5	1	551	974	423	495	820	7,570	86
204	Grain-mill products	174	86	66	22	7,494	19,889	2,833	5,573	12,914	63,365	3,370
2041	Flour and meal	37	13	12	12	3,033	9,113	1,620	2,194	5,830	29,955	1,124
2042	Prepared animal feeds	114	65	44	5	3,225	7,145	642	2,425	4,727	18,591	1,427
2044	Rice cleaning and polishing	14	2	7	5	1,078	3,304	561	817	2,119	14,017	795
2045	Blended and prepared flour	9	6	3	----------	158	327	(d)	137	238	802	24
205	Bakery products	313	207	82	24	9,658	24,269	[2] 5,962	6,621	13,221	50,028	5,445
2051	Bread and other bakery products	303	203	79	21	8,348	21,358	5,357	5,525	11,019	41,447	5,055
2052	Biscuit, crackers, and pretzels	10	4	3	3	1,310	2,911	605	1,096	2,202	8,581	390
208	Beverages	399	315	75	9	7,245	17,898	2,121	3,904	8,265	44,321	6,241
2081	Bottled soft drinks	387	310	72	5	5,627	12,394	1,431	2,753	4,716	27,939	5,463
209	Miscellaneous food preparations	583	456	115	12	10,165	21,123	3,077	7,352	13,380	76,284	6,452
2092	Shortening and cooking oils	11	2	6	3	975	2,951	652	727	2,027	21,709	810
2097	Manufactured ice	408	348	60	----------	4,620	9,077	1,441	3,021	5,665	21,905	2,081
2099	Liquid, frozen, and dried eggs	16	1	13	2	1,160	1,516	244	972	1,036	3,085	123
	Food preparations, n.e.c.	117	82	28	7	2,863	6,314	475	2,212	3,843	19,191	1,894
21	TOBACCO MANUFACTURES	3	2	----------	1	404	(d)	(d)	343	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	48	12	9	27	8,164	16,672	7,079	7,745	14,808	29,133	1880
223	Cotton and rayon broad-woven fabrics	20	1	1	18	6,063	12,260	5,823	5,861	11,418	20,457	1,093
225	Knitting mills	8	2	3	3	683	1,729	361	641	1,419	3,031	436
2281	Fur-felt hats and hat bodies	4	1	2	1	378	803	172	305	623	1,961	62
229	Miscellaneous textile goods	8	3	1	4	744	1,387	545	687	1,030	2,651	59
23	APPAREL AND RELATED PRODUCTS	361	160	143	58	22,008	35,065	10,173	20,164	27,563	71,128	2,301
232	Men's and boys' furnishings	92	17	46	29	9,655	14,644	5,656	8,916	11,997	31,866	591
2321	Men's dress shirts and nightwear	17	3	11	3	861	1,400	(d)	784	1,138	2,556	63
2327	Separate trousers	22	4	12	6	1,750	2,759	760	1,635	2,153	9,437	138
2329	Men's and boys' clothing, n.e.c.	45	6	19	20	6,772	10,068	4,544	6,263	8,369	19,106	367
2335	Women's suits and coats	10	1	7	2	1,557	2,621	89	1,458	1,806	3,923	26
234	Women's and children's undergarments	19	7	10	2	846	1,168	204	788	968	2,246	147
2351	Millinery	26	20	5	1	485	913	723	442	739	1,541	30
236	Children's outerwear	37	18	17	2	1,653	2,190	308	1,564	1,918	3,845	89
2361	Children's dresses	16	6	9	1	734	1,025	(d)	695	863	2,228	43
238	Miscellaneous apparel and accessories	16	9	5	2	597	926	70	552	741	1,713	122
239	Miscellaneous fabricated textiles	91	66	15	10	3,064	5,464	1,312	2,711	4,067	13,645	972
2391	Curtains and draperies	7	6	----------	1	166	325	93	147	195	728	28
2392	Housefurnishings, n.e.c.	17	13	3	1	404	680	190	385	618	1,128	100
2393	Textile bags	16	6	4	6	1,582	2,944	832	1,403	2,177	8,619	683
2394	Canvas products	22	20	1	1	327	651	154	240	383	1,254	124
2399	Fabricated textile products, n.e.c.	15	11	3	1	390	647	(d)	353	504	1,521	32
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	915	574	265	76	30,694	51,387	19,881	29,354	47,267	95,988	5,598
242	Lumber and timber basic products	654	402	203	49	21,983	34,191	14,764	21,287	32,256	64,378	4,013
2421	Sawmills and planing mills, general	644	398	198	48	21,489	33,365	14,472	20,814	31,496	63,772	3,907
243	Millwork and related products	153	117	30	6	3,218	7,702	1,541	2,876	6,519	12,219	541
2431	Millwork plants	140	115	23	2	2,393	5,617	1,493	2,159	4,723	8,999	408
244	Wooden containers	46	16	19	11	2,859	4,247	2,193	2,756	3,839	7,559	329
2444	Wooden boxes (except cigar boxes)	26	8	14	4	1,395	2,332	1,172	1,324	2,085	4,342	224
249	Miscellaneous wood products	62	39	13	10	2,634	5,247	1,383	2,435	4,653	11,832	715
2491	Wood preserving	20	1	10	9	2,234	4,606	1,220	2,066	4,088	10,565	587
25	FURNITURE AND FIXTURES	266	196	58	12	5,843	12,455	2,669	5,119	9,740	23,029	2,209
251	Household furniture	135	94	33	8	3,604	7,505	2,024	3,172	5,973	14,808	1,718
2512	Household furniture, upholstered	31	11	18	2	1,468	3,303	847	1,280	2,730	6,743	868
2515	Mattresses and bedsprings	58	51	6	1	774	1,569	590	663	1,219	3,816	490
252	Office furniture	6	3	3	----------	112	226	(d)	105	199	298	45
2541	Partitions and fixtures	37	27	9	1	770	2,052	273	675	1,596	2,967	174
256	Screens, shades, and blinds	81	68	11	2	1,027	1,881	256	874	1,419	3,528	207
2563	Venetian blinds	72	60	10	2	954	1,733	200	817	1,318	3,338	202
26	PAPER AND ALLIED PRODUCTS	57	26	19	12	4,674	13,084	1,552	3,850	10,212	32,902	17,126
2651	Envelopes	7	5	2	----------	150	423	69	114	257	759	198
267	Paperboard containers and boxes	25	11	10	4	1,909	4,335	404	1,514	3,109	9,018	895
2699	Converted paper products, n.e.c.	7	6	----------	1	161	298	93	139	226	580	34

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
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	1,155	1,003	124	28	17,756	$47,903	6,590	10,332	$27,214	$92,467	$5,701
2711	Newspapers	488	421	48	19	9,998	27,570	3,469	5,108	14,398	56,831	2,990
2721	Periodicals	56	52	3	1	452	1,300	318	146	376	2,884	49
273	Books	22	16	6	----------	307	694	74	162	410	994	27
2751	Commercial printing	432	382	46	4	4,520	11,784	1,839	3,182	7,537	20,775	2,088
2761	Lithographing	48	38	8	2	967	2,580	372	711	1,709	3,990	197
278	Bookbinding and related industries	17	14	1	2	454	892	159	379	676	1,620	98
279	Printing trades service industries	71	63	8	----------	766	2,625	359	578	1,957	4,489	227
2791	Typesetting	20	18	2	----------	217	794	76	182	669	1,286	73
2793	Photoengraving	31	27	4	----------	338	1,296	86	223	900	2,257	119
28	CHEMICALS AND ALLIED PRODUCTS	433	231	168	34	23,552	68,575	6,847	17,475	46,398	234,496	132,006
281	Industrial inorganic chemicals	21	4	12	5	2,072	5,373	702	1,642	3,947	13,974	2,320
282	Industrial organic chemicals	20	4	2	14	10,512	34,885	(d)	6,962	22,300	110,218	118,181
2829	Organic chemicals, n.e.c.	9	----------	1	8	7,950	26,155	(d)	4,930	15,642	70,842	115,803
283	Drugs and medicines	35	30	4	1	374	734	146	265	393	2,166	70
284	Soap and related products	33	26	6	1	730	2,415	40	573	1,425	15,092	1,093
285	Paints and allied products	32	20	9	3	977	3,091	204	606	1,441	10,662	1,128
287	Fertilizers	12	5	5	2	756	1,883	192	644	1,527	9,114	263
288	Vegetable and animal oils	141	47	92	2	4,681	10,225	3,884	3,907	7,514	31,681	3,746
2881	Cottonseed oil mills	95	20	73	2	3,717	8,016	3,818	3,087	5,764	26,152	3,300
2884	Vegetable oil mills, n.e.c.	12	2	10	----------	442	847	(d)	371	646	1,963	114
2886	Grease and tallow	28	21	7	----------	381	1,057	(d)	334	880	2,863	318
289	Miscellaneous chemical products	135	91	38	6	3,371	9,924	1,672	2,855	7,824	41,566	5,187
2893	Toilet preparations	16	15	1	----------	115	179	94	88	123	579	13
2895	Carbon black	39	11	24	4	1,954	6,319	1,200	1,793	5,437	29,957	3,870
2896	Compressed and liquefied gases	33	25	8	----------	533	1,438	192	378	952	3,995	679
2899	Chemical products, n.e.c.	32	27	4	1	371	1,067	39	262	623	3,576	505
29	PETROLEUM AND COAL PRODUCTS	109	32	35	42	37,696	139,040	18,971	29,662	105,908	359,680	69,157
2911	Petroleum refining	84	16	33	35	36,317	135,476	18,936	28,688	103,641	349,424	67,006
295	Paving and roofing materials	10	4	1	5	918	2,483	(d)	564	1,346	7,462	1,826
30	RUBBER PRODUCTS	13	5	7	1	1,149	(d)	(d)	989	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	51	30	17	4	1,690	3,512	637	1,470	2,710	5,962	500
317	Handbags and small leather goods	5	3	2	----------	106	238	(d)	85	133	328	25
3192	Saddlery, harness, and whips	16	12	3	1	479	1,031	278	452	939	1,856	77
32	STONE, CLAY, AND GLASS PRODUCTS	399	290	84	25	10,629	23,298	5,098	9,284	18,742	57,646	9,435
3221	Glass containers	3	----------	----------	3	1,064	2,737	(d)	961	2,372	6,283	660
3231	Products of purchased glass	25	24	1	----------	202	438	69	163	345	847	60
3241	Cement, hydraulic	10	----------	----------	10	2,167	5,861	1,149	1,838	4,431	19,326	3,602
325	Structural clay products	49	7	37	5	2,683	4,835	1,749	2,304	3,746	8,145	1,719
3251	Brick and hollow tile	40	7	31	2	1,929	3,366	1,432	1,712	2,716	5,544	711
3255	Clay refractories	3	----------	2	1	209	373	(d)	165	276	868	(d)
326	Pottery and related products	18	11	6	1	513	995	71	469	800	2,219	250
327	Concrete and plaster products	232	199	29	4	2,974	6,136	1,017	2,664	5,184	16,224	2,243
3271	Concrete products	221	197	24	----------	1,882	3,277	535	1,698	2,733	6,364	945
3272	Gypsum products	6	1	1	4	859	2,384	326	761	2,063	8,843	1,104
3281	Cut-stone and stone products	28	27	1	----------	241	504	450	203	427	1,016	60
3292	Asbestos products	5	2	1	2	369	812	55	337	710	1,776	702
3293	Gaskets and asbestos insulations	6	4	2	----------	111	326	(d)	86	236	627	34
3295	Minerals: ground or treated	10	4	6	----------	228	517	341	188	373	967	97
33	PRIMARY METAL INDUSTRIES	109	50	36	23	11,682	32,526	3,140	10,585	27,923	58,337	7,331
332	Iron and steel foundries	43	14	21	8	3,060	7,618	1,312	2,786	6,436	10,921	719
3321	Gray-iron foundries	37	14	19	4	1,876	4,376	893	1,744	3,862	6,833	447
333	Primary nonferrous metals	9	----------	----------	9	4,224	11,485	(d)	3,796	10,060	27,878	2,255
3361	Nonferrous foundries	36	30	6	----------	445	1,012	199	409	865	1,923	92
339	Miscellaneous primary metal industries	11	4	5	2	576	2,015	148	497	1,633	3,232	87
3391	Iron and steel forgings	4	1	3	----------	175	469	(d)	152	397	845	18
34	FABRICATED METAL PRODUCTS	327	197	105	25	13,143	35,038	4,183	10,964	26,938	66,826	5,873
342	Cutlery, hand tools, and hardware	15	13	2	----------	176	323	(d)	130	220	721	32
343	Heating and plumbing equipment	27	14	9	4	1,732	4,671	113	1,402	3,437	8,063	938
344	Structural metal products	194	109	70	15	7,655	20,769	2,372	6,370	15,841	38,757	3,445
3441	Structural and ornamental products	81	42	31	8	4,286	11,668	1,370	3,455	8,463	19,053	1,643
3443	Boiler shop products	48	16	26	6	2,394	6,432	662	2,092	5,286	15,857	1,479
346	Metal stamping and coating	41	32	8	1	565	1,291	207	471	1,015	2,119	182
3463	Metal stampings	15	9	5	1	357	856	(d)	280	631	1,316	143
3468	Plating and polishing	19	17	2	----------	133	271	50	123	237	528	39
348	Fabricated wire products	12	5	7	----------	390	1,050	(d)	352	883	2,615	65
349	Miscellaneous fabricated metal products	26	17	7	2	923	2,391	380	790	1,904	5,556	379
3491	Metal barrels, drums, and pails	5	1	2	2	682	1,781	298	581	1,397	4,707	330

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			
35	MACHINERY (EXCEPT ELECTRICAL)	370	235	94	41	23,299	$69,908	8,358	18,327	$49,335	$129,575	$9,555
352	Tractors and farm machinery	33	27	2	4	1,792	4,735	(d)	1,441	3,289	7,747	1,525
353	Construction and mining machinery	88	35	35	18	13,858	44,302	6,004	10,634	30,846	80,406	5,048
3531	Construction and mining machinery	12	5	7	----------	412	1,171	81	304	757	1,987	143
3532	Oil-field machinery and tools	76	30	28	18	13,446	43,131	5,923	10,330	30,089	78,419	4,905
354	Metal working machinery	17	13	4	----------	219	608	7	200	509	926	60
3543	Cutting tools, jigs, fixtures, etc	12	10	2	----------	117	295	7	109	274	500	53
355	Special-industry machinery, n.e.c	61	48	8	5	2,124	5,946	592	1,691	4,281	9,754	753
3559	Special-industry machinery, n.e.c	30	23	2	5	1,710	4,881	505	1,368	3,536	7,911	629
356	General industrial machinery	54	33	16	5	1,738	4,907	457	1,371	3,289	10,447	921
3561	Pumps and compressors	18	11	5	2	717	2,123	296	574	1,421	5,277	640
3564	Blowers and fans	11	8	3	----------	229	503	63	201	413	1,080	21
3569	General industrial machinery, n.e.c	12	7	4	1	324	1,105	51	243	691	2,071	159
358	Service and household machines	36	18	14	4	1,631	3,718	431	1,395	2,874	8,594	510
3582	Laundry and dry-cleaning machinery	9	3	6	----------	235	577	(d)	188	411	922	86
3585	Refrigeration machinery	18	8	7	3	1,190	2,633	312	1,047	2,111	6,780	344
359	Miscellaneous machinery parts	77	57	15	5	1,905	5,605	751	1,569	4,179	11,559	720
3591	Valves and fittings, except plumbers'	13	6	5	2	676	2,015	(d)	535	1,367	3,987	(d)
3599	Machine shops	57	49	6	2	686	1,959	569	584	1,679	3,811	153
36	ELECTRICAL MACHINERY	55	40	7	8	1,946	5,211	441	1,714	3,967	12,163	1,651
3616	Electrical control apparatus	4	1	2	1	244	634	66	195	456	1,190	(d)
366	Communication equipment	13	12	1	----------	156	349	(d)	135	263	645	24
369	Miscellaneous electrical products	22	15	3	4	713	1,874	367	636	1,519	6,006	223
3691	Storage batteries	19	13	2	4	686	1,819	(d)	614	1,483	5,906	223
37	TRANSPORTATION EQUIPMENT	99	62	22	15	20,735	57,434	2,767	18,285	46,651	91,893	1,317
3715	Truck trailers	8	4	3	1	500	1,476	188	403	950	3,418	61
373	Ships and boats	37	16	12	9	5,103	15,292	1,379	4,582	13,109	22,448	461
3731	Ship building and repairing	18	4	5	9	4,858	14,708	n.a.	4,370	12,603	21,472	376
3732	Boat building and repairing	19	12	7	----------	245	584	n.a.	212	506	976	85
38	INSTRUMENTS AND RELATED PRODUCTS	49	41	5	3	921	2,182	132	735	1,592	3,681	460
3821	Mechanical measuring instruments	10	8	2	----------	159	392	(d)	117	246	510	(d)
384	Medical instruments and supplies	21	20	1	----------	134	285	27	116	222	502	19
3861	Photographic equipment	5	4	----------	1	158	336	----------	125	273	385	47
39	MISCELLANEOUS MANUFACTURES	280	239	37	4	3,284	7,609	1,180	2,800	5,743	14,458	737
3911	Jewelry (precious metal)	13	11	1	1	279	664	90	226	467	1,275	24
394	Toys and sporting goods	41	38	2	1	374	620	71	347	540	974	27
3949	Sporting and athletic goods	31	28	2	1	324	544	71	302	480	826	12
395	Office supplies	22	21	1	----------	163	339	30	109	222	979	84
3971	Plastics products, n.e.c	17	12	5	----------	264	910	----------	230	651	1,558	151
399	Miscellaneous manufactures	178	149	27	2	2,124	4,935	958	1,843	3,818	9,524	448
3981	Brooms and brushes	43	39	4	----------	339	586	199	309	515	1,774	31
3988	Morticians' goods	29	16	12	1	722	1,582	393	589	1,020	3,166	188
3993	Signs and advertising displays	86	76	9	1	928	2,532	344	820	2,069	4,136	189

[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 HOUSTON 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]	**916**	**58,606**	**$182,282**	**46,001**	**$131,512**	**$385,549**	**$36,841**
20	Food and kindred products	168	7,636	20,110	5,398	11,961	55,464	5,258
201	Meat products	22	1,169	2,830	942	2,123	4,531	355
2011	Meat packing, wholesale	11	968	2,403	782	1,813	3,706	229
2013	Prepared meats	8	149	315	122	241	632	105
202	Dairy products	7	216	449	143	221	1,161	475
204	Grain-mill products	17	1,253	4,035	931	2,540	13,705	750
2044	Rice cleaning and polishing	7	629	1,997	459	1,230	9,150	552
205	Bakery products	32	1,726	4,683	1,213	2,669	9,793	1,291
208	Beverages	28	1,163	3,279	568	1,329	9,036	820
209	Miscellaneous food preparations	43	1,563	4,047	1,101	2,415	15,789	1,433
2099	Food preparations, n.e.c.	14	975	2,699	714	1,580	10,786	1,239
22	Textile mill products	7	601	1,380	559	1,161	2,325	32
23	Apparel and related products	36	1,940	3,451	1,747	2,622	8,281	487
232	Men's and boys' furnishings	7	228	409	207	303	642	12
233	Women's and misses' outerwear	6	397	647	366	526	920	15
239	Miscellaneous fabricated textiles	17	1,118	1,994	1,005	1,498	6,182	438
2393	Textile bags	7	1,040	1,848	939	1,394	5,836	430
24	Lumber and products, except furniture	72	2,176	4,577	2,034	4,036	8,298	(d)
242	Lumber and timber basic products	25	579	900	562	844	1,504	90
243	Millwork and related products	27	642	1,661	586	1,394	2,320	122
2431	Millwork plants	20	224	530	201	429	832	36
2433	Prefabricated wood products	7	418	1,131	385	965	1,488	86
244	Wooden containers	7	426	820	393	716	1,660	77
249	Miscellaneous wood products	13	529	1,196	493	1,082	2,814	53
2491	Wood preserving	5	447	1,070	414	961	2,540	51
25	Furniture and fixtures	47	1,105	2,665	965	1,936	4,844	545
251	Household furniture	20	590	1,326	516	939	2,582	372
2515	Mattresses and bedsprings	6	157	342	143	270	906	355
2541	Partitions and fixtures	10	271	831	235	621	1,189	92
26	Paper and allied products	12	1,181	4,167	931	3,149	8,759	(d)
27	Printing and publishing industries	115	3,098	9,928	1,771	5,799	18,749	852
2711	Newspapers	15	1,627	5,391	718	2,701	10,928	295
2741	Miscellaneous publishing	7	127	240	58	139	412	22
2751	Commercial printing	53	741	2,374	543	1,642	4,233	282
2761	Lithographing	11	317	967	254	664	1,476	90
279	Printing trades service industries	13	162	582	123	433	931	122
28	Chemicals and allied products	71	4,500	13,952	3,388	9,737	48,514	24,673
2819	Inorganic chemicals, n.e.c.	5	361	951	314	851	2,974	187
2851	Paints and varnishes	11	539	1,726	298	705	5,708	986
288	Vegetable and animal oils	4	188	413	161	320	1,226	26
289	Miscellaneous chemical products	23	391	1,140	326	892	3,514	636
2896	Compressed and liquefied gases	7	160	455	133	368	1,586	267
2899	Chemical products, n.e.c.	11	111	340	87	247	924	(d)
29	Petroleum and coal products	18	10,955	44,370	8,424	33,454	89,595	29,257
2911	Petroleum refining	10	10,846	44,078	8,326	33,198	89,039	28,816
30	Rubber products	4	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	1	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	51	1,560	3,669	1,407	3,134	10,994	2,372
3241	Cement, hydraulic	3	578	1,460	529	1,270	6,637	(d)
3251	Brick and hollow tile	3	122	247	110	211	269	78
3271	Concrete products	27	337	734	304	617	1,421	77
329	Miscellaneous nonmetallic mineral products	13	504	1,199	448	1,010	2,619	722
33	Primary metal industries	28	3,949	12,072	3,614	10,241	16,960	3,711
332	Iron and steel foundries	9	713	1,920	647	1,504	2,763	97
3361	Nonferrous foundries	8	139	340	126	286	589	49
34	Fabricated metal products	84	4,877	13,212	4,156	10,543	27,613	3,044
344	Structural metal products	44	2,635	7,387	2,263	5,880	14,501	1,751
3441	Structural and ornamental products	19	1,592	4,497	1,332	3,449	7,531	671
3443	Boiler shop products	9	753	2,085	677	1,783	5,929	881
346	Metal stamping and coating	12	360	886	284	662	1,382	95
3463	Metal stampings	7	272	663	208	482	1,036	60
348	Fabricated wire products	5	209	554	177	420	1,677	59
35	Machinery (except electrical)	118	11,954	39,787	9,044	27,064	72,404	4,898
353	Construction and mining machinery	45	10,120	33,811	7,585	22,999	60,085	3,774
3532	Oil-field machinery and tools	41	10,067	33,652	7,553	22,905	59,823	3,764
355	Special-industry machinery, n.e.c.	10	100	317	85	261	559	59
356	General industrial machinery	19	734	2,444	571	1,573	5,286	527
3569	General industrial machinery, n.e.c.	5	210	736	157	479	1,336	54
359	Miscellaneous machinery parts	32	875	2,908	695	1,971	5,993	487
3591	Valves and fittings, except plumbers'	5	489	1,597	375	1,020	3,263	410
36	Electrical machinery	12	520	1,745	431	1,181	2,967	(d)
361	Electrical industrial apparatus	6	465	1,594	389	1,082	2,684	(d)
37	Transportation equipment	17	1,241	3,779	1,023	2,879	4,560	209
373	Ships and boats	9	1,054	3,264	865	2,487	3,644	121
3731	Ship building and repairing	6	972	3,019	794	2,279	3,212	115
38	Instruments and related products	16	415	948	355	773	1,383	79
39	Miscellaneous manufactures	39	682	1,851	563	1,358	2,953	93
394	Toys and sporting goods	10	102	200	96	170	235	117
399	Miscellaneous manufactures	17	208	661	178	504	1,098	25

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

[1] The Houston Metropolitan Area consists of Harris County, Texas.

[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

[*Harris County*, a principal industrial county, is coextensive with the Houston Metropolitan Area. Its 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		
		DALLAS COUNTY						
	All industries, total [1]	1,068	38,936	$97,507	30,695	$66,852	$238,995	$16,153
20	Food and kindred products	188	7,042	17,644	4,893	10,342	60,341	4,297
201	Meat products	16	1,337	3,560	1,025	2,401	11,462	303
202	Dairy products	11	173	422	91	187	824	162
203	Canning, preserving, and freezing	10	194	356	173	309	845	19
204	Grain-mill products	14	601	1,827	422	1,091	4,534	357
205	Bakery products	30	1,983	5,555	1,310	2,944	12,078	943
207	Confectionery and related products	21	397	696	362	565	1,500	25
208	Beverages	21	746	1,797	302	627	4,099	561
209	Miscellaneous food preparations	65	1,611	3,431	1,208	2,218	24,999	1,927
21	Tobacco manufactures	1	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	10	1,349	3,047	1,237	2,669	5,679	206
23	Apparel and related products	148	7,362	13,607	6,579	9,828	30,076	502
232	Men's and boys' furnishings	31	1,961	3,312	1,740	2,528	11,262	102
233	Women's and misses' outerwear	46	3,500	6,665	3,142	4,612	11,779	156
234	Women's and childrens' undergarments	7	127	199	116	174	308	27
235	Millinery	26	485	913	442	739	1,541	30
236	Children's outerwear	7	166	310	147	198	661	5
239	Miscellaneous fabricated textiles	24	805	1,583	708	1,136	3,450	112
24	Lumber and products, except furniture	42	833	2,008	707	1,688	3,465	233
243	Millwork and related products	24	572	1,509	477	1,309	2,592	118
25	Furniture and fixtures	52	1,747	4,205	1,526	3,430	7,664	519
251	Household furniture	22	1,065	2,621	948	2,225	5,060	402
256	Screens, shades, and blinds	18	387	806	319	600	1,436	97
26	Paper and allied products	21	1,507	3,883	1,177	2,676	7,960	1,176
27	Printing and publishing industries	184	3,467	10,301	2,060	5,627	19,423	2,028
272	Periodicals	18	257	791	85	195	1,774	6
275	Commercial printing	96	1,010	2,645	772	1,862	4,956	262
276	Lithographing	13	208	650	127	325	960	53
279	Printing trades service industries	22	336	1,309	269	1,029	2,043	74
28	Chemicals and allied products	69	1,608	4,877	1,182	2,978	22,766	1,444
281	Industrial inorganic chemicals	4	123	353	77	203	1,141	48
283	Drugs and medicines	9	110	195	85	125	804	51
285	Paints and allied products	13	332	1,040	234	549	3,853	128
289	Miscellaneous chemical products	31	302	717	200	393	1,890	115
29	Petroleum and coal products	6	539	1,647	442	1,236	2,661	(d)
30	Rubber products	5	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	5	72	135	60	119	244	25
32	Stone, clay, and glass products	38	1,053	2,569	872	1,914	5,777	174
327	Concrete and plaster products	18	191	369	166	302	647	66
33	Primary metal industries	19	388	(d)	353	(d)	(d)	(d)
332	Iron and steel foundries	6	148	324	143	298	457	20
34	Fabricated metal products	88	3,582	9,738	2,940	7,282	18,323	1,379
343	Heating and plumbing equipment	16	1,354	3,597	1,083	2,601	6,417	602
344	Structural metal products	44	1,960	5,502	1,636	4,209	10,875	751
346	Metal stamping and coating	13	101	203	93	182	410	9
35	Machinery (except electrical)	82	3,127	8,829	2,425	6,148	15,987	1,389
353	Construction and mining machinery	10	690	1,914	524	1,383	3,606	375
354	Metalworking machinery	6	104	327	90	235	444	22
355	Special-industry machinery, n.e.c.	22	1,339	3,859	1,028	2,648	6,906	486
356	General industrial machinery	12	287	838	191	470	1,393	150
358	Service and household machines	12	361	963	295	637	1,644	172
359	Miscellaneous machinery parts	15	177	435	144	349	722	115
36	Electrical machinery	25	832	2,161	740	1,715	6,741	452
361	Electrical industrial apparatus	5	163	328	148	254	747	(d)
369	Miscellaneous electrical products	9	520	1,493	461	1,199	5,080	(d)
37	Transportation equipment	15	3,270	(d)	2,604	(d)	(d)	(d)
38	Instruments and related products	13	196	620	104	292	663	343
39	Miscellaneous manufactures	57	884	2,398	726	1,640	4,639	290
399	Miscellaneous manufactures	32	724	1,861	608	1,351	3,745	212

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
	JEFFERSON COUNTY							
	All industries, total [1]	150	23,181	$77,879	18,851	$60,488	$177,508	$30,136
20	Food and kindred products	46	1,157	2,683	743	1,384	7,103	583
204	Grain-mill products	4	289	781	211	423	3,356	86
205	Bakery products	11	283	681	179	324	1,329	77
208	Beverages	9	263	493	150	220	1,019	209
209	Miscellaneous food preparations	11	189	449	103	221	864	88
23	Apparel and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
24	Lumber and products, except furniture	12	713	1,374	684	1,235	2,646	110
242	Lumber and timber basic products	5	379	760	361	659	1,574	76
25	Furniture and fixtures	8	96	172	82	140	366	19
26	Paper and allied products	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	19	450	1,300	241	718	2,603	84
28	Chemicals and allied products	7	950	3,005	726	2,127	16,176	685
29	Petroleum and coal products	9	16,743	61,314	13,737	48,433	133,810	28,124
32	Stone, clay, and glass products	9	113	218	103	182	363	76
33	Primary metal industries	8	269	707	241	573	1,134	30
34	Fabricated metal products	11	1,235	3,341	1,015	2,518	5,846	151
344	Structural metal products	5	356	988	271	681	1,407	64
35	Machinery (except electrical)	6	276	(d)	213	(d)	(d)	(d)
36	Electrical machinery	1	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	7	1,052	(d)	948	(d)	(d)	(d)
39	Miscellaneous manufactures	4	18	48	17	47	86	
	TARRANT COUNTY							
	All industries, total [1]	427	32,039	$83,298	26,414	$61,967	$146,501	$8,317
20	Food and kindred products	101	9,066	24,627	6,911	16,526	46,815	3,583
201	Meat products	9	5,134	14,795	4,044	11,116	21,207	1,445
204	Grain-mill products	13	1,057	3,047	779	1,760	10,416	283
205	Bakery products	14	881	2,214	657	1,140	4,132	274
207	Confectionery and related products	15	677	1,493	591	932	2,648	611
208	Beverages	13	272	763	139	277	1,810	413
209	Miscellaneous food preparations	29	788	1,827	527	976	5,208	265
22	Textile mill products	2	(d)	(d)	(d)	(d)	(d)	(d)
23	Apparel and related products	22	2,017	3,591	1,792	2,773	5,123	269
232	Men's and boys' furnishings	5	1,647	2,961	1,474	2,339	3,444	101
24	Lumber and products, except furniture	15	189	434	177	393	900	28
25	Furniture and fixtures	30	954	1,930	821	1,525	3,483	577
251	Household furniture	12	668	1,399	561	1,067	2,697	514
256	Screens, shades, and blinds	10	160	251	142	206	398	17
26	Paper and allied products	6	657	1,503	550	1,240	3,974	527
27	Printing and publishing industries	85	1,580	4,173	872	2,443	8,445	198
271	Newspapers	12	839	2,421	351	1,158	5,052	77
275	Commercial printing	40	336	859	266	670	1,580	76
276	Lithographing	9	236	482	183	396	774	23
28	Chemicals and allied products	21	838	1,984	628	1,284	5,814	905
288	Vegetable and animal oils	8	393	847	298	572	1,776	303
29	Petroleum and coal products	10	1,089	3,397	701	2,149	9,515	231
30	Rubber products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	3	218	(d)	191	(d)	(d)	(d)
32	Stone, clay, and glass products	18	385	926	365	869	2,579	(d)
33	Primary metal industries	11	768	2,092	694	1,746	3,278	137
34	Fabricated metal products	19	422	1,137	331	758	1,709	93
344	Structural metal products	12	357	1,016	273	655	1,476	88
35	Machinery (except electrical)	34	1,263	3,119	1,046	2,314	7,129	192
353	Construction and mining machinery	5	136	409	115	334	883	38
356	General industrial machinery	9	430	964	366	698	2,248	85
359	Miscellaneous machinery parts	8	540	1,306	443	973	3,233	47
36	Electrical machinery	5	39	(d)	34	(d)	(d)	(d)
37	Transportation equipment	14	11,957	(d)	10,740	(d)	(d)	(d)
38	Instruments and related products	6	83	118	82	116	295	14
39	Miscellaneous manufactures	24	191	380	172	316	782	64
399	Miscellaneous manufactures	13	138	296	124	241	605	62

[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

[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	7,128	2,029	3	48	361	915	266	57	1,155	433	109	13	51	399	109	327	370	55	99	49	280
1-19 employees	4,824	1,399	2	12	160	574	196	26	1,003	231	32	5	30	290	50	197	235	40	62	41	239
20-99 employees	1,755	520		9	143	265	58	19	124	168	35	7	17	84	36	105	94	7	22	5	37
100 employees and over	549	110	1	27	58	76	12	12	28	34	42	1	4	25	23	25	41	8	15	3	4
Anderson:																					
1-19 employees	31	5				19	1		3					3							
20-99 employees	10	2				5			1	1	1										
100 employees and over	1													1							
Andrews:																					
1-19 employees	1	1																			
Angelina:																					
1-19 employees	29	12				5	2		5					1	2	1	1				
20-99 employees	8	2				6															
100 employees and over	10					6		2							1		1				
Aransas:																					
1-19 employees	5	2							1	1				1							
20-99 employees	2									1									1		
Atascosa:																					
1-19 employees	6	1			1				2	1							1				
Austin:																					
1-19 employees	10	4					1		3					1							1
20-99 employees	2	1								1											
Bailey:																					
1-19 employees	3	2							1												
20-99 employees	1	1																			
Bandera:																					
1-19 employees	2	1							1												
Bastrop:																					
1-19 employees	11	5					1		2	1				1		1					
20-99 employees	1					1															
100 employees and over	2													2							
Baylor:																					
1-19 employees	3	1							1					1							
Bee:																					
1-19 employees	8	4					1		1					1							1
Bell:																					
1-19 employees	33	11				2	2		9	2			1	1	1	1	1	1			1
20-99 employees	9	3			1		1		1	1				1			1				
100 employees and over	1						1														
Bexar:																					
1-19 employees	316	70	1	1	10	12	17	6	66	21	4		5	23	3	24	13	4	6	2	28
20-99 employees	110	37		2	23	5	4	2	5	4	2		2	5	3	2	6		1		7
100 employees and over	37	17	1		5	1			4		1		1	3		2	1	1			
Blanco:																					
1-19 employees	1								1												
Bosque:																					
1-19 employees	5	2							3												
20-99 employees	2	2																			
Bowie:																					
1-19 employees	45	11				16	2		5	3				3			1			1	3
20-99 employees	15	7				6			1												1
100 employees and over	6					5								1							
Brazoria:																					
1-19 employees	14	7				1			4	1				1							
20-99 employees	1															1					
100 employees and over	5									3	1				1						
Brazos:																					
1-19 employees	17	7				2			3	1				2			1				1
20-99 employees	4	1					1		1	1											
Brewster:																					
1-19 employees	4	3							1												
Briscoe:																					
1-19 employees	3	1							2												
20-99 employees	1													1							
Brooks:																					
1-19 employees	3	1							1					1							
Brown:																					
1-19 employees	22	12			2		1		3					2			1				1
20-99 employees	7	3			1				1	1				1							
Burleson:																					
1-19 employees	3	1							1	1											
100 employees and over	1					1															
Burnet:																					
1-19 employees	7				1	1			3					1			1				
Caldwell:																					
1-19 employees	15	8			1	1			4												1
20-99 employees	2				2																
Calhoun:																					
1-19 employees	2	1							1												
20-99 employees	1	1																			
Callahan:																					
1-19 employees	4	1							3												
20-99 employees	1										1										
Cameron:																					
1-19 employees	56	29		1	1		1	1	8	3				3			2		4		3
20-99 employees	26	18			1				2	2	1			1			1				
100 employees and over	5	4								1											
Camp:																					
1-19 employees	10	2			1	4			1	1						1					
20-99 employees	4					3	1														
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
Carson:																					
1-19 employees	1								1												
100 employees and over	1									1											
Cass:																					
1-19 employees	25	3				21								1							
20-99 employees	14	1				13															
100 employees and over	2					2															
Castro:																					
1-19 employees	3	2							1												
Chambers:																					
1-19 employees	1	1																			
20-99 employees	1					1															
Cherokee:																					
1-19 employees	38	9				16	3		5					3					2		
20-99 employees	18	4			1	12								1							
100 employees and over	5				1	4															
Childress:																					
1-19 employees	9	6					1		2												
20-99 employees	1									1											
Clay:																					
1-19 employees	3	1							2												
20-99 employees	1												1								
Cochran:																					
1-19 employees	1								1												
Coke:																					
1-19 employees	1								1												
Coleman:																					
1-19 employees	8	5							3												
20-99 employees	3				1					1				1							
Collin:																					
1-19 employees	17	9			1		1	1	5							2					
20-99 employees	9	5			1				1												
100 employees and over	1			1																	
Collingsworth:																					
1-19 employees	5	3							1					1							
Colorado:																					
1-19 employees	10	6							3					1							
20-99 employees	2	1								1											
Comal:																					
1-19 employees	12	5		1	3				2				1								
20-99 employees	4			1	1	1								1							
100 employees and over	3	1		2																	
Comanche:																					
1-19 employees	6	4							2												
20-99 employees	2	2																			
Concho:																					
1-19 employees	2								1					1							
Cooke:																					
1-19 employees	15	6							4		1		1		1		1				1
20-99 employees	4	2			1					1											
Coryell:																					
1-19 employees	7	2			1				4												
20-99 employees	1					1															
Cottle:																					
1-19 employees	6	4							1					1							
Crane:																					
1-19 employees	1	1																			
Crockett:																					
1-19 employees	1								1												
Crosby:																					
1-19 employees	2								2												
Dallam:																					
1-19 employees	9	5					1		1	1							1				
20-99 employees	2	2																			
Dallas:																					
1-19 employees	687	109	1	2	68	31	31	12	149	51	3	3	4	29	14	51	50	16	9	11	43
20-99 employees	293	63		3	62	10	16	4	32	16		2	1	7	4	28	24	5	2	2	12
100 employees and over	88	16		5	18	1	5	5	3	2	3			2	1	9	8	4	4		2
Dawson:																					
1-19 employees	6	4							2												
20-99 employees	3	2								1											
Deaf Smith:																					
1-19 employees	7	5							1								1				
20-99 employees	2	2																			
Delta:																					
1-19 employees	2	1							1												
20-99 employees	2	1								1											
Denton:																					
1-19 employees	19	6	1		2				3					3		1	1		1		1
20-99 employees	8	4							2					1		1					
100 employees and over	2			1					1												
De Witt:																					
1-19 employees	11	6							1					2		2					
20-99 employees	8	4							1	2			1								
100 employees and over	2			1									1								
Dickens:																					
20-99 employees	1	1																			
Dimmit:																					
1-19 employees	2	1							1												
20-99 employees	1	1																			
Donley:																					
1-19 employees	6	2							2					2							
Duval:																					
1-19 employees	2	1							1												
Eastland:																					
1-19 employees	25	7			1	3			5					3			2				4
20-99 employees	6	1			1				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
Ector:																					
1-19 employees	18	5				3			2	1				1		4	2				
20-99 employees	4	1							1	1						1					
Ellis:																					
1-19 employees	23	10				1	2		7			1		1		1					
20-99 employees	16	1			4		2			3				4		1					1
100 employees and over	3				1				1								1				
El Paso:																					
1-19 employees	104	35			5	1	5		21	9			2	8		6	1	1	1		9
20-99 employees	28	11				2	1		2	4	1			3	1	3					
100 employees and over	16	2			5				1		1		1	1	3		1			1	
Erath:																					
1-19 employees	10	5							3		1					1					
20-99 employees	1				1																
Falls:																					
1-19 employees	10	5				2			2								1				
20-99 employees	1									1											
Fannin:																					
1-19 employees	12	6					1		4												1
20-99 employees	1														1						
100 employees and over	2			1													1				
Fayette:																					
1-19 employees	17	5				1	1		4	2				3							1
20-99 employees	3	1				1													1		
Fisher:																					
1-19 employees	6	1							2	2	1										
100 employees and over	2													2							
Floyd:																					
1-19 employees	4	1							2					1							
20-99 employees	1	1																			
Foard:																					
1-19 employees	2	1							1												
Fort Bend:																					
1-19 employees	11	4			1				3								1				2
20-99 employees	3	1								2											
100 employees and over	2	2																			
Franklin:																					
1-19 employees	4					2			1					1							
Freestone:																					
1-19 employees	8	3				1	1		2							1					
20-99 employees	2					1								1							
Frio:																					
1-19 employees	4	1							2								1				
Gaines:																					
1-19 employees	7	2							2	2							1				
Galveston:																					
1-19 employees	33	12			1		3		7	1	1			1			1	1	3		2
20-99 employees	17	9				1			4							2			1		
100 employees and over	16	4							1	2	3				1		1		4		
Garza:																					
1-19 employees	2	1							1												
100 employees and over	1				1																
Gillespie:																					
1-19 employees	9	4							2				1	2							
100 employees and over	1				1																
Goliad:																					
1-19 employees	4	2							1					1							
Gonzales:																					
1-19 employees	9	5							1					2						1	
20-99 employees	3	2								1											
100 employees and over	1			1																	
Gray:																					
1-19 employees	12	5			1				3	3											
20-99 employees	7	2							1	4											
100 employees and over	1																1				
Grayson:																					
1-19 employees	46	24			1	3	1		10	1				3							3
20-99 employees	10	5					1	1	2						1						
100 employees and over	10	5		2	1	1											1				
Gregg:																					
1-19 employees	54	17			4	7	4		6	2	2			3	1		3		5		
20-99 employees	14	3				2			2		4				1		1				1
100 employees and over	4					1									1		2				
Grimes:																					
1-19 employees	6	3				2			1												
20-99 employees	6					5				1											
Guadalupe:																					
1-19 employees	6	3							2												
20-99 employees	7	5								1				1			1				
Hale:																					
1-19 employees	11	8					1		1												
20-99 employees	6	3							1	1						1					
100 employees and over	1	1															1				
Hall:																					
1-19 employees	5	2							3												
20-99 employees	1									1											
Hamilton:																					
1-19 employees	7	5							1	1											
20-99 employees	1	1																			
Hansford:																					
1-19 employees	2	1							1												
20-99 employees	1																				
Hardeman:																					
1-19 employees	5	3							2								1				
20-99 employees	2									2											
100 employees and over	1																				
Hardin:																					
1-19 employees	12	2				10								1							
20-99 employees	3					3															
100 employees and over	3					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
Harris:																					
1-19 employees	552	94		4	17	40	32	5	94	37	7	1		33	11	43	75	8	7	12	32
20-99 employees	201	51		1	14	26	13	4	16	24	4	3	1	13	12	33	28	2	8	2	6
100 employees and over	103	23		2	5	6	2	3	5	10	7			5	5	8	15	2	2	2	1
Harrison:																					
1-19 employees	42	15			1	16	1		2	3					1	1	1		1		
20-99 employees	23	5				13			1					3	1						
100 employees and over	6				1	3				1					1						
Haskell:																					
1-19 employees	4	2							2												
20-99 employees	1									1											
Hays:																					
1-19 employees	10	4			1				8	1				1							
20-99 employees	2									1				1							
Hemphill:																					
1-19 employees	4	2							1	1											
20-99 employees	1													1							
Henderson:																					
1-19 employees	12	3				4			2	1				2							
20-99 employees	3	1				1								1							
100 employees and over	1													1							
Hidalgo:																					
1-19 employees	67	30				6		1	13					6		1	7			1	2
20-99 employees	38	20							2		2			3			2				
100 employees and over	4	4																			
Hill:																					
1-19 employees	11	3			2				4							2					
20-99 employees	4				1				1	2											
100 employees and over	2			2																	
Hockley:																					
1-19 employees	3	2							1												
20-99 employees	1										1										
Hood:																					
1-19 employees	2	1							1												
Hopkins:																					
1-19 employees	10	7							1		1			1							
20-99 employees	7	3							1	2				1							
Houston:																					
1-19 employees	23	3				16			3					1							
20-99 employees	14	1				12										1					
Howard:																					
1-19 employees	10	3					1		3	1				1							1
20-99 employees	4	3							1												
100 employees and over	1										1										
Hunt:																					
1-19 employees	24	10				2	1		8					1	1	1					
20-99 employees	10	3			3				2	2											
100 employees and over	4	2		1	1																
Hutchinson:																					
1-19 employees	12	2				1			2	5							2				
20-99 employees	13	2							1	10											
100 employees and over	5									3	2										
Irion:																					
1-19 employees	1													1							
Jack:																					
1-19 employees	2								1		1										
20-99 employees	1										1										
Jackson:																					
1-19 employees	7	3					1		1					2							
20-99 employees	1									1											
Jasper:																					
1-19 employees	17	2				12	1		2												
20-99 employees	3					3															
100 employees and over	4					4															
Jefferson:																					
1-19 employees	84	29			2	6	5		16	1				7	3	4	3	1	3		4
20-99 employees	41	14				4	3		2	4				2	5	3	2		2		
100 employees and over	25	3				2		1	1	2	9					4	1		2		
Jim Hogg:																					
1-19 employees	1	1																			
Jim Wells:																					
1-19 employees	7	3							2					2							
20-99 employees	1									1											
Johnson:																					
1-19 employees	24	8			1	1	1		4									1			8
20-99 employees	4	1			2		1														
100 employees and over	1				1																
Jones:																					
1-19 employees	10	5							4					1							
20-99 employees	4	1								2	1										
Karnes:																					
1-19 employees	7	3							3							1					
20-99 employees	1									1											
Kaufman:																					
1-19 employees	17	7			1		1		5	1				1							1
20-99 employees	7	2			1					2			1				1				
Kendall:																					
1-19 employees	2	1							1												
Kerr:																					
1-19 employees	9	4				1			2					1							1
Kimble:																					
1-19 employees	5	1							1	1				2							
Kinney:																					
1-19 employees	1	1																			
Kleberg:																					
1-19 employees	4	2							1												1
20-99 employees	1	1																			
Knox:																					
1-19 employees	6	3							3												
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
Lamar:																					
1-19 employees	27	11				2			7	2				2		1		1			1
20-99 employees	16	11			1				1	2			1								
100 employees and over	3					2	1														
Lamb:																					
1-19 employees	10	5							4					1							
20-99 employees	1									1											
Lampasas:																					
1-19 employees	6	1							3	2											
20-99 employees	2	2																			
La Salle:																					
1-19 employees	2	1							1												
Lavaca:																					
1-19 employees	10	4							3	3											
20-99 employees	3	2														1					
Lee:																					
1-19 employees	7	1				1	2		2												
100 employees and over	1	1																			1
Leon:																					
1-19 employees	8	1				6			1												
20-99 employees	1					1															
Liberty:																					
1-19 employees	45	2				37			3		1			1		1					
20-99 employees	6					6															
100 employees and over	1					1															
Limestone:																					
1-19 employees	9	4				2			2					1							
20-99 employees	2								1	1											
100 employees and over	1			1																	
Lipscomb:																					
1-19 employees	2								1					1							
Live Oak:																					
1-19 employees	3	1							2												
20-99 employees	1										1										
Llano:																					
1-19 employees	4									1				3							
20-99 employees	1													1							
Lubbock:																					
1-19 employees	58	26			2	1	3		13	3				3	1	1	2	1			2
20-99 employees	19	12			1				1	3						2					
100 employees and over	1	1																			
Lynn:																					
1-19 employees	4	2			1				1												
McCulloch:																					
1-19 employees	7	1							3	1				1			1				
20-99 employees	1									1											
McLennan:																					
1-19 employees	86	36			4	2	5		18	4				5	1	2	4		1	1	3
20-99 employees	32	13			3	1	3		3	3				1		3	1				1
100 employees and over	16	2		3	5	1			1	1		1		2							
Madison:																					
1-19 employees	2	1							1												
Marion:																					
1-19 employees	11	1				6															
20-99 employees	9	1				7							1								4
Martin:																					
1-19 employees	1									1											
Mason:																					
1-19 employees	3	2							1												
Matagorda:																					
1-19 employees	14	6				1			4	1				2							
20-99 employees	4	3									1										
Maverick:																					
1-19 employees	2	1							1												
20-99 employees	3	2			1																
100 employees and over	1	1																			
Medina:																					
1-19 employees	6	2				1			3												
20-99 employees	2	1												1							
Menard:																					
1-19 employees	2	1							1												
Midland:																					
1-19 employees	5	2							1					2							
20-99 employees	1								1												
Milam:																					
1-19 employees	11	4				1			4	1											1
20-99 employees	1									1											
Mills:																					
1-19 employees	1								1												
Mitchell:																					
1-19 employees	6	3							2					1							
20-99 employees	1									1											
100 employees and over	1										1										
Montague:																					
1-19 employees	10	5							4				1								
20-99 employees	2												2								
100 employees and over	1																				1
Montgomery:																					
1-19 employees	26	4				17	1		2		1			1							
20-99 employees	13					12				1											
100 employees and over	7					7															
Moore:																					
1-19 employees	2	1							1												
20-99 employees	4									3	1										
100 employees and over	2									1					1						
Morris:																					
1-19 employees	1					1															
20-99 employees	6	1				5															
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
Motley:																					
1-19 employees	3	2							1												
Nacogdoches:																					
1-19 employees	24	7				11	3		2	1											
20-99 employees	15	2				9			1					2			1				
100 employees and over	5				1	4															
Navarro:																					
1-19 employees	22	9				1	2		6					1		1	1				1
20-99 employees	9	3		1	1				1	1				1	1						
100 employees and over	2			1													1				
Newton:																					
1-19 employees	6					5			1												
20-99 employees	6					6															
100 employees and over	3					3															
Nolan:																					
1-19 employees	17	6				1	1		4										2		3
20-99 employees	4	2								1				1							
100 employees and over	2										1			1							
Nueces:																					
1-19 employees	96	37			3	5	3		19	5				5	2	2	2		2	1	10
20-99 employees	25	7				2			1	4	4					4	2				1
100 employees and over	8	2							1	2	2				1						
Ochiltree:																					
1-19 employees	7	4			1				1					1							
20-99 employees	1	1																			
Orange:																					
1-19 employees	16	2			1	3	1		3	1				1		2			1		1
20-99 employees	11	2				4		2											2		1
100 employees and over	6					3				1						1			1		
Palo Pinto:																					
1-19 employees	14	3							6	1				1			2				1
20-99 employees	5			1				1						3							
Panola:																					
1-19 employees	13					11			1					1							
20-99 employees	4					4															
100 employees and over	1					1															
Parker:																					
1-19 employees	17	7			1				2	1			1	1	1	2					1
20-99 employees	2									1				1							
100 employees and over	1																1				
Parmer:																					
1-19 employees	1								1												
Pecos:																					
1-19 employees	6	4							1		1										
Polk:																					
1-19 employees	14	3				11															
20-99 employees	9					9															
100 employees and over	3					3															
Potter:																					
1-19 employees	62	20			2	2	5		12	3			1	4	1		3		2	1	6
20-99 employees	24	9				1	1		2	1			2			3	3				2
100 employees and over	4								1		1				1		1				
Presidio:																					
1-19 employees	6	3							1	2											
Randall:																					
1-19 employees	3	1							1					1							
20-99 employees	1	1																			
Reagan:																					
1-19 employees	1								1												
Red River:																					
1-19 employees	18	2				13			2												1
20-99 employees	4					3				1											
Reeves:																					
1-19 employees	10	6							1				1	1			1				
Refugio:																					
1-19 employees	2	1							1												
Roberts:																					
1-19 employees	1								1												
Robertson:																					
1-19 employees	6	4							2												
20-99 employees	1									1											
Rockwall:																					
1-19 employees	3	1							2												
Runnels:																					
1-19 employees	8	2							4					1		1					
20-99 employees	1	1																			
Rusk:																					
1-19 employees	34	6				14	1		7	1				1		3	1				
20-99 employees	9				1	7								1							
Sabine:																					
1-19 employees	7	1				5			1												
20-99 employees	1					1															
100 employees and over	2					2															
San Augustine:																					
1-19 employees	9	1				7			1												
20-99 employees	2					2															
San Jacinto:																					
1-19 employees	3					3															
20-99 employees	2					2															
San Patricio:																					
1-19 employees	15	5				1			4					1		2			1		1
20-99 employees	2	1								1											
San Saba:																					
1-19 employees	4	2							2												
Schleicher:																					
1-19 employees	2			1					1												
Scurry:																					
1-19 employees	3	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
Shackelford:																					
1-19 employees	1								1												
Shelby:																					
1-19 employees	34	6				24			3												1
20-99 employees	9					9															
100 employees and over	1					1															
Smith:																					
1-19 employees	60	23			1	8	3		6	4				8		3	2			1	1
20-99 employees	26	8				5			3	1	2	1		3		2					1
100 employees and over	4				1										2	1					
Somervell:																					
1-19 employees	2	1							1												
Starr:																					
1-19 employees	1	1												1							
20-99 employees	1																				
Stephens:																					
1-19 employees	7	3				1			2								1				
20-99 employees	1				1																
Sterling:																					
1-19 employees	1								1												
Stonewall:																					
1-19 employees	1								1												
Sutton:																					
1-19 employees	1								1												
Swisher:																					
1-19 employees	5	2							2								1				
20-99 employees	1	1																			
Tarrant:																					
1-19 employees	271	46		1	11	13	20		74	11	4		1	13	5	13	19	5	8	5	22
20-99 employees	113	43			6	2	8	5	7	7		1	1	4	4	6	12		4	1	2
100 employees and over	43	12		1	5		2	1	4	3	6		1	1	2		3		2		
Taylor:																					
1-19 employees	41	13				2	4		10	1	2			4		2					3
20-99 employees	14	9							1	1	1			1							1
100 employees and over	2				1				1												
Terrell:																					
1-19 employees	2	1							1												
20-99 employees	1	1																			
Terry:																					
1-19 employees	5	3							2												
20-99 employees	3									3											
Throckmorton:																					
1-19 employees	1	1																			
100 employees and over	1										1										
Titus:																					
1-19 employees	12	4				3			3					2							
20-99 employees	1					1															
100 employees and over	1					1															
Tom Green:																					
1-19 employees	42	15				4	2		6				2	5	1	1	3		1		2
20-99 employees	14	4							3	1			1	1		2	1				1
Travis:																					
1-19 employees	80	24			1	2	5		15	3			2	12		6	2			3	5
20-99 employees	28	15				2	1		5	1				2		2					
100 employees and over	5	1				1	1		2												
Trinity:																					
1-19 employees	8	1				6			1												
20-99 employees	6					6															
100 employees and over	2					2															
Tyler:																					
1-19 employees	22	2				17			1					1			1				
20-99 employees	7					7															
100 employees and over	1					1															
Upshur:																					
1-19 employees	29	4				20			2	1			1	1							
20-99 employees	7					6					1										
Upton:																					
1-19 employees	4	3							1												
Uvalde:																					
1-19 employees	6	5							1												
Val Verde:																					
1-19 employees	9	4							2				3								
20-99 employees	1	1																			
Van Zandt:																					
1-19 employees	8	3				1			2	1				1							
100 employees and over	1									1											
Victoria:																					
1-19 employees	18	9				1	1		2	1				3							1
20-99 employees	3	1							1	1											
Walker:																					
1-19 employees	12	2			1	4	1		2					1							1
20-99 employees	7					6								1							
100 employees and over	1					1															
Waller:																					
1-19 employees	2								2												
Ward:																					
1-19 employees	3	2							1												
20-99 employees	5	2								2	1										
Washington:																					
1-19 employees	12	6				1			2					1			1				1
20-99 employees	1	1																			
100 employees and over	1			1																	
Webb:																					
1-19 employees	20	10				1	2		2	1				3							1
20-99 employees	6	2			1				2					1							
100 employees and over	3			1	1										1						
Wharton:																					
1-19 employees	18	11							5					1							1
20-99 employees	4	1			1		1			1											
100 employees and over	1	1																			
Wheeler:																					
1-19 employees	8	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
Wichita:																					
1-19 employees	70	25			1	3	1		10	8				5		3	8		1		5
20-99 employees	24	8								2	2		2		2	2	6				
100 employees and over	7	1			1				1		1			1			1	1			
Wilbarger:																					
1-19 employees	20	13			1				3							1	1		1		
20-99 employees	5	1			1				1	1	1										
100 employees and over	1	1																			
Willacy:																					
1-19 employees	7	4				1			2												
20-99 employees	2	1								1											
100 employees and over	1	1																			
Williamson:																					
1-19 employees	16	9					1		4							1	1				
20-99 employees	7	2			1					3				1							
100 employees and over	1			1																	
Wilson:																					
1-19 employees	4	2								1				1							
100 employees and over	1													1							
Winkler:																					
1-19 employees	2	1							1												
20-99 employees	1									1											
Wise:																					
1-19 employees	4	3							1												
20-99 employees	2				1									1							
Wood:																					
1-19 employees	22	2				16			3					1							
20-99 employees	4	2				1				1											
100 employees and over	1					1															
Yoakum:																					
20-99 employees	1									1											
Young:																					
1-19 employees	12	7							3				1							1	
20-99 employees	3	1			1						1										
Zavala:																					
1-19 employees	3	1				1			1												
20-99 employees	2	2																			
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	$755.411	297,053	289,464	283,260	285,004	283,781	284,803	283,485	287,685	288,392	291,526	290,914	295,073	299,182	300,468
20	Food and kindred products	130,543	57,784	54,651	54,471	53,705	51,593	51,905	53,025	57,422	56,538	55,083	53,598	54,396	57,145	56,929
22	Textile mill products	16,672	8,164	8,159	9,049	8,040	8,879	8,843	7,671	7,600	7,536	7,563	7,599	7,819	8,093	8,314
23	Apparel and related products	35,065	22,008	21,248	20,078	20,630	20,993	20,697	20,226	19,846	20,461	21,446	22,053	22,760	22,870	22,916
24	Lumber and products, exc. furniture	51,387	30,694	30,251	28,712	29,722	30,226	30,582	30,645	30,505	30,668	30,786	30,474	30,532	30,299	29,868
25	Furniture and fixtures	12,455	5,843	5,415	5,153	5,160	5,086	5,210	5,247	5,292	5,433	5,422	5,627	5,630	5,795	5,925
26	Paper and allied products	13,084	4,674	4,671	4,526	4,507	4,495	4,548	4,600	4,616	4,646	4,725	4,691	4,749	4,930	5,021
27	Printing and publishing industries	47,903	17,756	17,523	16,862	16,925	17,074	17,330	17,365	17,371	17,572	17,677	17,846	18,005	18,107	18,148
28	Chemicals and allied products	68,575	23,552	23,347	23,264	24,035	23,712	23,351	21,952	21,376	21,360	22,508	23,252	24,522	25,250	25,583
29	Petroleum and coal products	139,040	37,696	37,690	37,214	37,373	36,922	35,900	36,151	37,701	38,446	38,620	38,631	38,293	38,350	38,682
31	Leather and leather products	3,512	1,690	1,611	1,775	1,694	1,664	1,437	1,330	1,323	1,505	1,580	1,653	1,780	1,800	1,789
32	Stone, clay, and glass products	23,298	10,629	10,230	9,769	9,613	9,624	10,020	10,269	10,300	10,542	10,198	10,197	10,618	10,774	10,832
33	Primary metal industries	32,526	11,682	11,516	11,149	11,040	11,178	11,033	11,115	11,344	11,604	11,653	11,501	12,130	12,112	12,328
34	Fabricated metal products	35,038	13,143	12,606	11,765	11,850	11,864	12,068	12,026	12,178	12,744	13,220	13,211	13,377	13,632	13,339
35	Machinery (except electrical)	69,908	23,299	22,900	22,230	22,089	22,527	23,124	23,282	23,101	23,067	23,149	22,944	22,974	23,133	23,181
36	Electrical machinery	5,211	1,946	1,930	1,643	1,705	1,765	1,798	1,758	1,847	1,954	2,114	2,132	2,186	2,145	2,109
37	Transportation equipment	57,434	20,735	20,620	20,428	20,729	20,844	21,661	21,553	21,042	19,354	20,971	20,631	20,218	19,665	20,347
38	Instruments and related products	2,182	921	861	736	778	813	826	847	894	845	836	878	940	960	976
39	Miscellaneous manufactures	7,609	3,284	2,691	2,797	2,765	2,779	2,739	2,774	2,633	2,524	2,596	2,618	2,715	2,681	2,670
	All other major industry groups	3,969	1,553	1,544	1,639	1,744	1,743	1,731	1,649	1,294	1,593	1,379	1,378	1,429	1,441	1,511

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE HOUSTON 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	Houston Metropolitan Area	Principal industrial counties [1]		
			Dallas	Jefferson	Tarrant
ALL ESTABLISHMENTS					
Number of establishments	7,128	916	1,068	150	427
Number of employees (average for the year)	297,053	58,606	38,936	23,181	32,039
Salaries and wages, total	$755,411	$182,282	$97,507	$77,879	$83,298
Value added by manufacture	$1,727,464	$385,549	$238,995	$177,508	$146,501
Establishments by employment size group:					
1-4 employees	2,064	234	308	36	120
5-9 employees	1,523	156	201	26	94
10-19 employees	1,237	162	178	22	57
20-49 employees	1,238	179	197	31	76
50-99 employees	517	82	96	10	37
100-249 employees	357	63	65	13	26
250-499 employees	130	23	13	5	13
500-999 employees	41	11	6	4	1
1,000-2,499 employees	14	4	3	----	2
2,500 employees and over	7	2	1	3	1
ESTABLISHMENTS REPORTING DETAILED STATISTICS					
Number of establishments	4,921	701	758	116	298
Number of employees (average for the year)	285,385	57,446	37,374	23,041	31,348
Salaries and wages, total	$736,933	$179,930	$94,800	$77,598	$81,971
Value added by manufacture	$1,685,339	$381,407	$233,218	$177,032	$143,768
Number of employees for pay period ended nearest Oct. 15:					
All employees	290,638	58,981	37,899	23,217	32,256
Male	238,036	50,591	26,423	21,542	25,973
Female	52,602	8,390	11,476	1,675	6,283
Production workers	234,890	46,044	29,518	18,776	26,350
Male	194,830	40,546	20,363	17,975	21,401
Female	40,060	5,498	9,155	801	4,949
Force-account construction workers	2,442	554	82	160	66
Administrative, supervisory, sales, and all other	53,306	12,383	8,299	4,281	5,840
Male	40,768	9,494	5,979	3,407	4,506
Female	12,538	2,889	2,320	874	1,334
Expenditures for plant and equipment:					
New plant and equipment	$304,944	$86,841	$16,153	$30,136	$8,317
Construction and major alteration of fixed plants	149,226	49,350	5,916	27,365	2,283
Buildings	50,466	17,205	4,413	2,240	2,061
Other construction	98,760	32,145	1,503	25,125	222
Machinery and equipment	155,718	37,491	10,237	2,771	6,034
Production machinery and equipment	122,165	19,852	7,588	1,755	4,592
Other machinery and equipment	33,553	17,639	2,649	1,016	1,442
Used plant and equipment and land	54,663	7,481	2,231	1,431	383

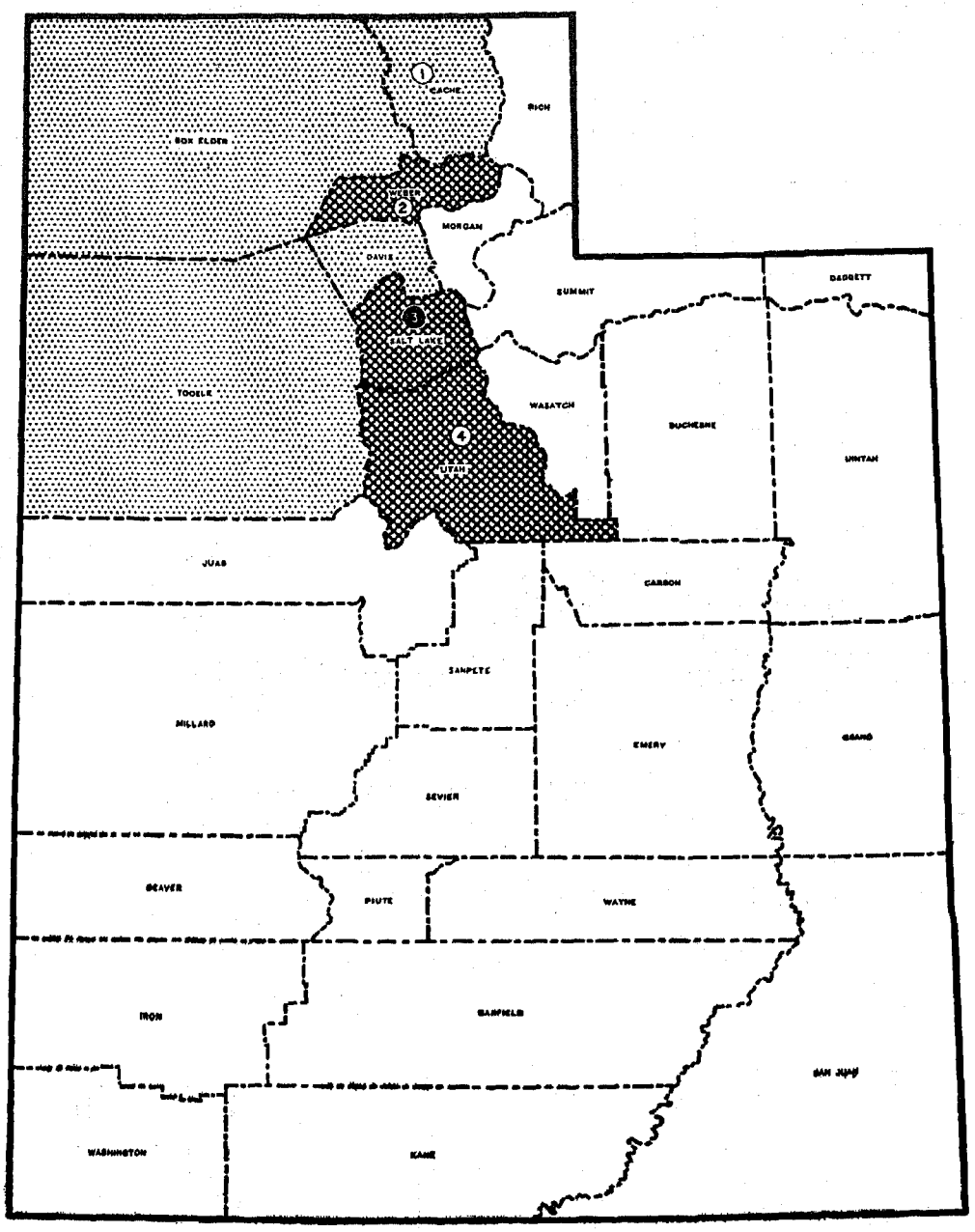
[1] Harris County, a principal industrial county, is coextensive with the Houston Metropolitan Area.

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	13,823	5,701	5,668	1,980	180	150	144	117	481
Van	847	----	357	366	26	52	46	----	----
Stake or platform	3,321	499	2,091	581	76	41	33	----	----
Panel or light delivery	4,926	4,032	894	----	----	----	----	----	----
All other	4,729	1,170	2,326	1,033	78	57	65	----	----
Truck tractors	2,253	67	680	1,062	165	149	130	----	----
Trailers and semitrailers	2,243	----	----	----	----	----	----	87	63

UTAH

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Logan	1
Ogden	2
Provo	4
Salt Lake City	3

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

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	772	24,516	$63,804	19,973	$48,053	$128,298
1939 [3]	549	15,537	18,970	11,467	11,873	43,341
1937	552	15,542	19,054	13,094	14,479	47,946
1935 [4]	538	13,228	14,584	10,808	10,304	33,899
1933	440	n.a.	n.a.	10,213	9,299	31,605
1931	578	n.a.	n.a.	10,762	12,511	32,188
1929	651	18,510	26,107	15,601	19,699	50,727
1927	556	n.a.	n.a.	13,585	16,689	42,551
1925	517	n.a.	n.a.	15,077	18,200	49,681
1923	585	n.a.	n.a.	14,945	18,344	47,424
1921	645	n.a.	n.a.	13,310	18,392	36,183
1919	1,035	21,526	26,524	18,442	20,931	45,831
1914	1,102	16,089	13,669	13,863	10,829	24,837
1909	749	13,445	10,366	11,785	8,400	20,724
1904	606	9,031	6,196	8,052	5,157	13,987
1899	575	6,012	3,263	5,413	2,763	6,541

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 $43.7 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 $35.0 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	**550,310**	**772**	**24,516**	**$63,804**	**19,973**	**$48,053**	**$128,298**	**549**	**11,467**	**$43,341**
COUNTIES										
Beaver	5,014	4	13	(d)	10	(d)	(d)	2	(d)	(d)
Box Elder	18,832	15	581	1,203	532	1,037	2,349	16	469	1,112
Cache	29,797	34	881	1,903	741	1,488	6,902	25	529	2,312
Carbon	18,459	13	156	398	130	339	779	14	75	229
Daggett	564	3	11	26	11	26	63	1	(d)	(d)
Davis	15,784	17	766	1,833	661	1,482	4,440	11	471	2,479
Duchesne	8,958	11	45	90	42	85	146	15	40	92
Emery	7,072	3	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Garfield	5,253	14	72	114	66	101	214	3	8	(d)
Grand	2,070	1	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Iron	8,331	11	110	142	98	118	274	6	18	82
Juab	7,392	8	100	144	85	120	341	6	51	152
Kane	2,561	4	32	47	29	42	74	2	(d)	(d)
Millard	9,613	8	41	75	34	64	193	3	11	(d)
Morgan	2,611	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Piute	2,203	3	5	(d)	5	(d)	(d)	2	(d)	(d)
Rich	2,028	2	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Salt Lake	211,623	373	10,849	30,096	8,614	21,983	57,827	255	5,414	23,413
San Juan	4,712	6	31	56	29	54	128	3	7	(d)
Sanpete	16,063	19	418	806	388	708	2,051	11	179	357
Sevier	12,112	13	181	311	163	237	558	9	73	246
Summit	8,714	10	49	109	47	106	177	4	8	(d)
Tooele	9,133	6	522	(d)	412	(d)	(d)	4	563	(d)
Uintah	9,898	9	128	293	110	230	603	7	37	71
Utah	57,382	76	5,783	15,717	4,766	12,217	30,632	58	1,256	3,768
Wasatch	5,754	12	86	169	82	162	281	7	49	84
Washington	9,269	8	66	59	63	52	140	3	6	25
Wayne	2,394	3	5	(d)	5	(d)	(d)	1	(d)	(d)
Weber	56,714	84	3,414	8,033	2,693	5,689	14,943	71	2,091	6,890
URBAN PLACES										
Logan	11,868	18	322	534	273	390	1,029	16	177	433
Ogden	43,688	69	2,885	6,712	2,264	4,704	12,435	58	1,543	4,750
Provo	18,071	29	561	1,016	490	833	1,703	23	171	565
Salt Lake City	149,934	312	7,940	21,181	6,031	14,272	42,302	217	3,282	(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	772	24,516	$63,804	19,973	40,907	$48,053	$128,298	$16,988	$4,171	$12,817	549	11,467	$43,341
20	Food and kindred products	285	8,036	18,530	6,533	13,040	13,320	42,948	5,509	1,594	3,915	257	4,826	10,660
22	Textile mill products	8	517	872	481	940	726	1,241	25	----	25	8	418	623
23	Apparel and related products	33	1,179	1,752	1,097	2,015	1,414	3,433	82	14	68	14	569	710
25	Furniture and fixtures	23	376	1,087	334	739	874	1,392	99	60	39	11	183	417
27	Printing and publishing industries	128	1,821	4,631	988	2,092	2,546	9,390	371	58	313	98	705	4,219
28	Chemicals and allied products	30	642	1,752	540	1,063	1,398	5,112	346	112	234	15	282	2,040
29	Petroleum and coal products	9	1,427	4,610	1,158	2,376	3,571	12,222	897	583	314	6	380	3,196
32	Stone, clay, and glass products	58	1,092	2,851	934	1,927	2,319	5,627	4,234	558	3,676	37	596	1,930
33	Primary metal industries	24	6,544	19,920	5,484	11,842	16,076	34,099	4,300	723	3,577	16	2,546	10,151
34	Fabricated metal products	32	871	2,330	739	1,571	1,899	4,212	536	315	221	16	309	1,467
35	Machinery (except electrical)	17	717	2,119	549	1,038	1,455	3,215	303	103	200	12	209	555
36	Electrical machinery	3	8	12	7	13	11	21	1	----	1	1	(d)	(d)
38	Instruments and related products	4	27	51	24	47	47	94	----	----	----	2	(d)	(d)
39	Miscellaneous manufactures	30	348	1,000	275	502	661	1,742	75	6	69	20	114	484
	All other major industry groups	88	911	2,287	830	1,702	1,736	3,550	210	45	165	36	330	889

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]	772	546	173	53	24,516	$63,804	11,467	19,973	$48,053	$128,298	$16,988
20	Food and kindred products	285	189	72	24	8,036	18,530	4,826	6,533	13,320	42,948	5,509
201	Meat products	46	28	16	2	1,261	2,624	434	1,080	2,113	5,324	827
2011	Meat packing, wholesale	23	18	3	2	750	2,042	244	594	1,595	3,753	512
202	Dairy products	43	29	14	----	839	1,776	[2] 376	603	1,214	5,520	756
2022	Natural cheese	15	14	1	----	130	288	40	111	250	1,237	272
2023	Concentrated milk	7	2	5	----	216	526	109	166	378	2,194	128
2024	Ice cream and ices	13	8	5	----	354	671	85	215	370	1,456	298
203	Canning, preserving, and freezing	43	15	22	6	1,936	3,476	1,760	1,779	2,852	6,806	805
2033	Canning and preserving, except fish	35	11	18	6	1,786	3,227	1,685	1,650	2,668	6,320	683
204	Grain-mill products	45	39	4	2	738	2,220	376	526	1,541	5,816	410
2041	Flour and meal	21	18	1	2	491	1,615	266	318	1,053	4,296	278
205	Bakery products	32	21	6	5	1,081	2,767	[2] 588	796	1,674	5,210	554
2063	Beet sugar	5	----	----	5	725	2,159	796	638	1,869	5,621	1,365
2071	Confectionery products	15	9	2	4	724	1,695	248	630	1,020	4,116	123
208	Beverages	32	27	5	----	437	1,141	145	267	606	3,248	596
209	Miscellaneous food preparations	24	21	3	----	295	672	103	214	431	1,287	73
2099	Food preparations, n.e.c.	17	16	1	----	138	272	38	110	184	597	47
21	Tobacco manufactures	1	1	----	----	(d)	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	8	----	6	2	517	872	418	481	726	1,241	25
23	Apparel and related products	33	17	12	4	1,179	1,752	569	1,097	1,414	3,433	82
232	Men's and boys' furnishings	4	----	2	2	324	502	(d)	291	361	1,121	9
2335	Women's suits and coats	6	2	4	----	200	266	----	185	228	447	27
24	Lumber and products, except furniture	79	69	10	----	647	(d)	179	596	(d)	(d)	(d)
2421	Sawmills and planing mills, general	52	49	3	----	301	577	(d)	291	557	953	30
2431	Millwork plants	19	14	5	----	275	699	100	248	568	1,125	78
25	Furniture and fixtures	23	16	7	----	376	1,087	183	334	874	1,392	99
251	Household furniture	15	9	6	----	275	707	(d)	253	592	891	24
2512	Household furniture, upholstered	9	5	4	----	162	407	(d)	148	340	612	2
26	Paper and allied products	3	1	2	----	141	(d)	(d)	122	(d)	(d)	(d)
27	Printing and publishing industries	128	116	9	3	1,821	4,631	705	988	2,546	9,390	371
2711	Newspapers	48	43	2	3	1,166	3,097	389	563	1,507	6,331	223
2751	Commercial printing	47	43	4	----	340	846	225	267	682	1,587	44
2761	Lithographing	8	6	2	----	113	281	(d)	93	206	566	67
28	Chemicals and allied products	30	20	9	1	642	1,752	282	540	1,398	5,112	346
282	Industrial organic chemicals	3	----	2	1	220	627	(d)	193	540	1,782	54
289	Miscellaneous chemical products	13	10	3	----	228	521	127	190	427	1,458	80
29	Petroleum and coal products	9	2	4	3	1,427	4,610	380	1,158	3,571	12,222	897
31	Leather and leather products	2	1	1	----	(d)	(d)	(d)	(d)	(d)	(d)	(d)

See footnotes at end of table.

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	$63,804	24,516	24,023	21,117	20,700	21,245	21,917	22,588	23,418	26,572	24,893	28,715	27,288	25,108	24,726
20	Food and kindred products	18,530	8,036	7,924	6,172	5,632	5,823	6,051	6,232	6,784	9,924	8,080	12,109	10,836	9,011	8,437
22	Textile mill products	872	517	517	524	520	516	522	491	511	516	516	529	524	525	522
23	Apparel and related products	1,752	1,179	1,115	1,079	1,113	1,108	1,137	1,142	1,223	1,152	1,182	996	991	1,106	1,152
25	Furniture and fixtures	1,087	376	279	275	275	270	270	264	259	263	284	285	301	302	305
27	Printing and publishing industries	4,631	1,821	1,801	1,730	1,734	1,742	1,792	1,773	1,775	1,858	1,819	1,812	1,825	1,860	1,891
28	Chemicals and allied products	1,752	642	630	578	613	622	610	616	622	623	651	635	664	680	642
29	Petroleum and coal products	4,610	1,427	1,427	1,331	1,332	1,369	1,412	1,461	1,458	1,456	1,499	1,470	1,462	1,438	1,433
32	Stone, clay, and glass products	2,851	1,092	1,067	983	1,024	1,096	1,165	1,238	1,197	1,087	1,053	995	1,012	980	976
33	Primary metal industries	19,920	6,544	6,537	6,096	6,127	6,341	6,504	6,706	6,725	6,665	6,659	6,712	6,623	6,517	6,763
34	Fabricated metal products	2,330	871	832	701	699	742	779	835	873	933	975	971	886	811	782
35	Machinery (except electrical)	2,119	717	709	614	606	621	644	688	696	725	806	821	854	718	717
36	Electrical machinery	12	8	4	3	3	3	3	4	4	5	4	4	4	4	3
38	Instruments and related products	51	27	23	26	25	27	27	27	24	23	21	20	21	21	19
39	Miscellaneous manufactures	1,000	348	300	267	262	281	286	303	312	303	303	317	342	307	307
	All other major industry groups	2,287	911	858	738	735	684	715	808	955	1,039	1,041	1,030	943	828	777

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	772
Number of employees (average for the year)	24,516
Salaries and wages, total	$63,804
Value added by manufacture	$128,298
Establishments by employment size group:	
1–4 employees	285
5–9 employees	151
10–19 employees	110
20–49 employees	123
50–99 employees	50
100–249 employees	41
250–499 employees	8
500–999 employees	2
1,000–2499 employees	1
2,500 employees and over	1
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	526
Number of employees (average for the year)	23,566
Salaries and wages, total	$62,033
Value added by manufacture	$124,849

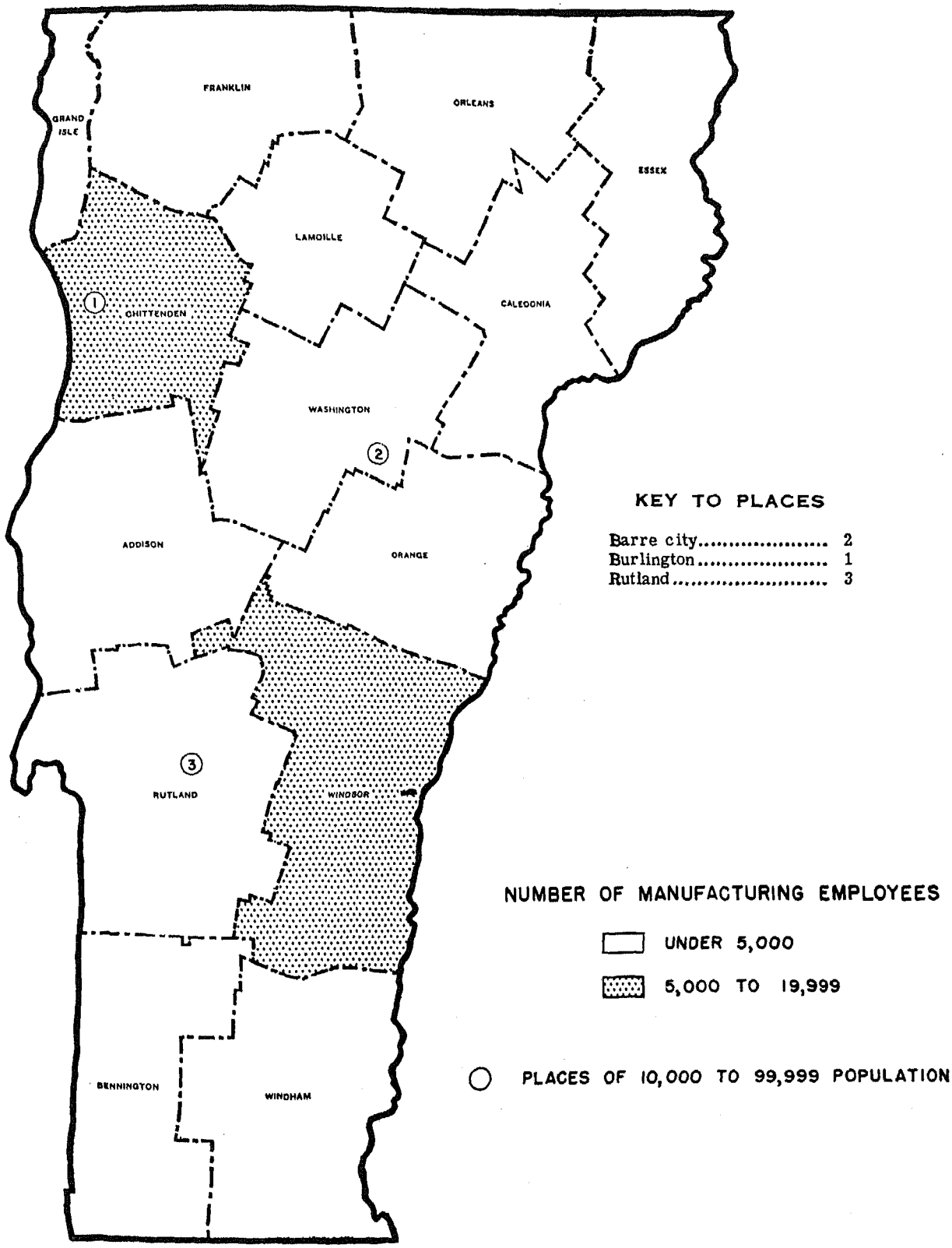
ITEM	Total for the State
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	26,744
Male	20,758
Female	5,986
Production workers	22,022
Male	17,148
Female	4,874
Force-account construction workers	18
Administrative, supervisory, sales, and all other	4,704
Male	3,593
Female	1,111
Expenditures for plant and equipment:	
New plant and equipment	$16,988
Construction and major alteration of fixed plants	4,171
Buildings	3,278
Other construction	893
Machinery and equipment	12,817
Production machinery and equipment	11,041
Other machinery and equipment	1,776
Used plant and equipment and land	889

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	1,318	515	590	192	7	4	10	6	94
Van	87		42	38	1	3	3		
Stake or platform	453	100	271	82	5				
Panel or light delivery	435	334	101						
All other	338	81	176	72	1	1	7		
Truck tractors	75	9	16	24	13	6	7		
Trailers and semitrailers	68							17	9

VERMONT

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



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	830	34,872	$83,021	30,239	$66,400	$149,685
1939 [3]	659	24,084	27,422	20,498	19,940	49,741
1937	683	26,553	30,653	23,682	24,615	53,104
1935 [4]	660	21,368	22,612	18,870	17,598	39,524
1933	530	n.a.	n.a.	15,083	12,456	30,135
1931	702	n.a.	n.a.	18,726	20,923	43,186
1929	927	30,540	41,946	27,421	33,810	77,260
1927	880	n.a.	n.a.	26,241	32,305	64,073
1925	951	n.a.	n.a.	27,563	32,326	63,882
1923	1,021	n.a.	n.a.	30,783	34,695	69,176
1921	1,101	n.a.	n.a.	25,767	28,068	50,216
1919	1,702	36,709	41,069	33,194	33,758	71,788
1914	1,772	35,430	22,002	32,704	18,617	34,285
1909	1,958	36,467	20,075	33,788	17,272	33,487
1904	1,699	35,159	17,324	33,106	15,221	30,654
1899	1,938	29,874	13,037	28,179	11,427	25,130

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 $51.9 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 $41.1 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	**359,231**	**830**	**34,872**	**$83,021**	**30,239**	**$66,400**	**$149,685**	**659**	**20,498**	**$49,741**
COUNTIES										
Addison	17,944	33	880	1,650	794	1,455	2,676	20	439	705
Bennington	22,286	60	3,365	7,819	2,970	6,156	11,719	35	2,369	3,805
Caledonia	24,320	63	2,106	4,476	1,780	3,533	9,424	55	1,122	2,968
Chittenden	52,098	97	5,766	13,682	5,028	10,983	23,708	70	3,823	7,282
Essex	6,490	12	1,184	(d)	1,122	(d)	(d)	10	691	(d)
Franklin	29,601	53	2,110	4,842	1,840	3,987	11,496	37	791	2,354
Grand Isle	3,802							3	6	17
Lamoille	11,028	30	629	1,208	582	1,088	2,571	27	461	728
Orange	17,048	37	569	(d)	522	(d)	(d)	27	441	(d)
Orleans	21,718	30	1,301	2,371	1,125	1,984	4,301	25	764	1,537
Rutland	45,638	80	3,350	7,581	2,992	6,384	13,743	68	1,481	3,211
Washington	41,546	157	3,261	7,891	2,821	6,405	14,801	162	2,269	6,190
Windham	27,850	97	3,278	7,733	2,935	6,563	16,887	56	1,941	3,791
Windsor	37,862	81	7,073	19,648	5,728	14,117	26,662	64	3,900	14,098
URBAN PLACES										
Barre city	10,909	78	1,615	4,228	1,367	3,429	8,192	98	1,214	3,648
Burlington	27,686	64	2,981	7,136	2,394	5,057	14,273	47	1,707	4,312
Rutland	17,082	37	2,266	5,017	1,980	4,064	9,527	35	783	1,875

[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]

No.	MAJOR INDUSTRY GROUP Title	1947 Number of establishments	1947 All employees Number (average for the year)	1947 All employees Salaries and wages, total	1947 Production workers Number (average for the year)	1947 Production workers Man-hours, total	1947 Production workers Wages, total	1947 Value added by manufacture	1947 Expenditures for new plant and equipment Total	1947 Expenditures for new plant and equipment New plant	1947 Expenditures for new plant and equipment New equipment	1939 Number of establishments	1939 Number of production workers (average for the year)	1939 Value added by manufacture
	All industries, total	**830**	**34,872**	**$83,021**	**30,239**	**65,063**	**$66,400**	**$149,685**	**$9,698**	**$3,051**	**$6,647**	**659**	**20,498**	**$49,741**
20	Food and kindred products	120	2,162	5,057	1,670	3,748	3,386	14,692	1,584	665	919	135	1,116	5,333
22	Textile mill products	26	4,926	11,778	4,580	9,302	10,411	17,940	1,113	276	837	22	4,624	5,942
23	Apparel and related products	30	1,493	2,004	1,425	2,652	1,789	4,035	115	18	97	10	648	805
24	Lumber and products, exc. furniture	274	5,481	10,884	5,155	12,179	9,946	18,569	1,301	452	849	173	3,367	5,518
25	Furniture and fixtures	30	1,765	3,735	1,598	3,502	3,057	5,134	377	227	150	19	1,253	2,005
26	Paper and allied products	24	2,653	6,859	2,386	5,393	5,729	19,744	687	110	577	19	1,334	4,070
27	Printing and publishing industries	73	1,057	2,531	725	1,531	1,689	3,803	96	1	95	56	641	2,087
28	Chemicals and allied products	21	341	743	244	528	465	2,777	118	31	87	13	95	546
31	*Leather and leather products*	*8*	*463*	*768*	*402*	*772*	*641*	*1,168*	*74*	*30*	*44*	*8*	*605*	*705*
32	Stone, clay, and glass products	120	2,592	7,088	2,279	4,937	6,039	12,583	1,018	373	645	138	2,041	6,101
33	Primary metal industries	10	641	1,615	585	1,264	1,356	2,042	100	25	75	8	388	935
34	Fabricated metal products	20	831	2,072	670	1,434	1,432	3,285	740	350	390	15	330	885
35	Machinery (except electrical)	35	7,128	20,341	5,622	11,965	14,489	30,686	1,517	445	1,072	25	2,870	11,265
39	Miscellaneous manufactures	26	1,460	3,229	1,254	2,494	2,519	4,703	382	6	376	13	696	1,353
	All other major industry groups	13	1,879	4,317	1,644	3,362	3,452	8,524	476	42	434	5	490	2,191

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	Number of establishments with— 20-99 employees	Number of establishments with— 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]	**830**	**526**	**225**	**79**	**34,872**	**$83,021**	**20,498**	**30,239**	**$66,400**	**$149,685**	**$9,698**
20	Food and kindred products	120	87	29	4	2,162	5,057	1,116	1,670	3,386	14,692	1,584
201	Meat products	14	13	1	----------	112	267	34	91	197	596	37
2011	Meat packing, wholesale	11	10	1	----------	104	251	(d)	85	187	565	29
202	Dairy products	25	18	7	----------	382	835	[2] 243	317	605	3,120	193
2022	Natural cheese	13	12	1	----------	110	262	67	93	192	667	81
2023	Concentrated milk	3	1	2	----------	104	221	96	98	206	843	34
204	Grain-mill products	19	10	6	3	659	1,804	262	552	1,376	6,474	928
2051	Bread and other bakery products	22	16	5	1	445	1,091	(d)	300	616	1,925	223
2081	Bottled soft drinks	17	14	3	----------	142	290	(d)	89	166	598	112
209	Miscellaneous food preparations	16	11	5	----------	298	626	93	208	310	1,701	81
2099	Food preparations, n.e.c.	9	4	5	----------	253	547	81	179	267	1,571	57
22	Textile mill products	26	4	9	13	4,926	11,778	4,624	4,580	10,411	17,940	1,113
221	*Woolen and worsted manufactures*	*15*	*2*	*5*	*8*	*3,478*	*8,629*	*2,761*	*3,241*	*7,753*	*12,661*	*967*
23	Apparel and related products	30	12	14	4	1,493	2,004	648	1,425	1,789	4,035	115
234	Women's and children's undergarments	5	2	3	----------	133	178	----------	126	163	373	16
24	Lumber and products, exc. furniture	274	205	58	11	5,481	10,884	3,367	5,155	9,946	18,569	1,301
242	Lumber and timber basic products	192	161	31	----------	2,143	4,130	1,455	2,061	3,903	7,180	591
243	Millwork and related products	13	2	7	4	1,104	2,043	245	1,005	1,790	3,546	270
25	Furniture and fixtures	30	12	12	6	1,765	3,735	1,253	1,598	3,057	5,134	377
251	Household furniture	24	11	8	5	1,326	2,894	873	1,195	2,347	4,583	327
26	Paper and allied products	24	3	12	9	2,653	6,859	1,334	2,386	5,729	19,744	687
2612	Paper and board mills	9	----------	7	2	732	2,228	745	649	1,777	8,419	234
2641	Paper coating and glazing	4	----------	2	2	313	846	(d)	290	723	3,412	5
2699	Converted paper products, n.e.c.	5	----------	1	4	1,327	3,060	(d)	1,192	2,585	6,203	379
27	Printing and publishing industries	73	60	12	1	1,057	2,531	641	725	1,689	3,803	96
2711	Newspapers	27	18	8	1	647	1,645	287	394	988	2,571	33
2751	Commercial printing	40	38	2	----------	252	520	185	212	415	772	56
28	Chemicals and allied products	21	17	3	1	341	743	95	244	465	2,777	118
29	Petroleum and coal products	2	1	----------	1	(d)	(d)	(d)	(d)	(d)	(d)	(d)
30	Rubber products	2	----------	1	1	(d)	(d)	(d)	(d)	(d)	(d)	(d)
31	*Leather and leather products*	*8*	*3*	*3*	*2*	*463*	*768*	*605*	*402*	*641*	*1,168*	*74*
32	Stone, clay, and glass products	120	82	35	3	2,592	7,088	2,041	2,279	6,039	12,583	1,018
327	Concrete and plaster products	14	12	2	----------	80	167	115	70	146	275	53
3281	Cut-stone and stone products	96	66	29	1	1,558	4,348	1,700	1,316	3,540	8,443	712
33	Primary metal industries	10	3	5	2	641	1,615	388	585	1,356	2,042	100
3321	Gray-iron foundries	7	----------	5	2	620	1,555	(d)	569	1,319	1,944	99
34	Fabricated metal products	20	10	8	2	831	2,072	330	670	1,432	3,285	740
342	Cutlery, hand tools, and hardware	6	2	3	1	311	712	262	267	565	1,004	97
35	Machinery (except electrical)	35	11	13	11	7,128	20,341	2,870	5,622	14,489	30,686	1,517
3543	Cutting tools, jigs, fixtures, etc.	5	2	1	2	466	1,324	145	388	1,005	2,445	(d)
355	Special-industry machinery, n.e.c.	13	3	8	2	714	1,765	199	596	1,369	2,927	83

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			
36	Electrical machinery	3		1	2	456	(d)	(d)	427	(d)	(d)	(d)
37	Transportation equipment	4	3	1		55	(d)	(d)	51	(d)	(d)	(d)
38	Instruments and related products	2		1	1	(d)	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	26	13	8	5	1,460	$3,229	696	1,254	$2,519	$4,703	$382
394	Toys and sporting goods	11	7	4		221	464	140	203	423	763	15
3949	Sporting and athletic goods	6	3	3		180	399	140	165	364	721	12
3981	Brooms and brushes	5	3	2		114	247	143	103	199	406	11

[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

[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	830	120		26	30	274	30	24	73	21	2	2	8	120	10	20	35	3	4	2	26
1–19 employees	526	87		4	12	205	12	3	60	17	1		3	82	3	10	11		3		13
20–99 employees	225	29		9	14	58	12	12	12	3		1	3	35	5	8	13	1	1	1	8
100 employees and over	79	4		13	4	11	6	9	1	1	1	1	2	3	2	2	11	2		1	5
Addison:																					
1–19 employees	19	1			1	12			3	1				1							
20–99 employees	11					7	2							1							1
100 employees and over	3			1		1														1	
Bennington:																					
1–19 employees	32	3		1		15	2	1	4	1				2			1		1		1
20–99 employees	17			3	2	2	2	1	1					1			1				4
100 employees and over	11			3		1	2	1					1								3
Caledonia:																					
1–19 employees	42	7				16			3	2				8	1		4				1
20–99 employees	18	7		1		3	1	2	1	1						1					1
100 employees and over	3				1												2				
Chittenden:																					
1–19 employees	55	17			1	13	2	1	6	4				3		1	2		1		4
20–99 employees	33	12			3	3	3		2			1		2	1	4	1		1		
100 employees and over	9			1	1	1	2	1	1								1				1
Essex:																					
1–19 employees	7					5		1	1												
100 employees and over	5						1	4													
Franklin:																					
1–19 employees	34	14			1	8			5	2				1			1		1		1
20–99 employees	11	4			1	1		1							1	1	2				
100 employees and over	8	2			1	1	1	2								1					
Lamoille:																					
1–19 employees	22	4		1		13	1		1					1		1					
20–99 employees	7				1	5								1							
100 employees and over	1					1															
Orange:																					
1–19 employees	29	3			1	17			5	1			1	1							
20–99 employees	8					5	1	1									1				
Orleans:																					
1–19 employees	19	2			3	6	2		1	1				3							1
20–99 employees	7	1			2	1	1		1								1				
100 employees and over	4					2							1				1				
Rutland:																					
1–19 employees	51	16			3	13	2		7	4			1	2		3					
20–99 employees	21				3	7			1	2			2	1	1		3			1	
100 employees and over	8				1	1					1			1		1	2	1			
Washington:																					
1–19 employees	101	10			1	17	2		12		1		1	55							2
20–99 employees	52	5		2		10			1					29	2	1	2				
100 employees and over	4			1										1			1	1			
Windham:																					
1–19 employees	61	7			1	33	1		5	1				3		4	3				3
20–99 employees	28				1	9	2	7	4				1			1		1			2
100 employees and over	8	1		1		2		1		1				1							1
Windsor:																					
1–19 employees	54	3		2		37			7					2	2	1					
20–99 employees	12			3	1	5			1								2				
100 employees and over	15	1		6		1						1			2		4				

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	**$83,021**	**34,872**	**34,388**	**35,716**	**35,702**	**35,389**	**34,699**	**32,926**	**32,580**	**33,009**	**34,030**	**34,243**	**34,347**	**34,717**	**35,293**
20	Food and kindred products	5,057	2,162	2,021	1,846	1,845	1,866	1,941	2,015	2,202	2,254	2,175	2,150	2,020	1,989	1,947
22	Textile mill products	11,778	4,926	4,925	5,429	5,374	4,972	4,604	4,336	4,423	4,528	4,924	5,020	4,965	5,153	5,370
23	Apparel and related products	2,004	1,493	1,461	1,509	1,550	1,547	1,534	1,440	1,344	1,401	1,387	1,397	1,415	1,474	1,534
24	Lumber and products, exc. furniture	10,884	5,481	5,376	5,362	5,414	5,385	5,250	5,270	5,311	5,274	5,313	5,394	5,437	5,464	5,643
25	Furniture and fixtures	3,735	1,765	1,745	1,696	1,720	1,712	1,689	1,699	1,701	1,730	1,737	1,736	1,790	1,834	1,900
26	Paper and allied products	6,859	2,653	2,652	2,555	2,489	2,691	2,798	2,823	2,757	2,608	2,676	2,640	2,616	2,578	2,595
27	Printing and publishing industries	2,531	1,057	1,039	1,027	1,027	1,029	1,036	1,036	1,034	1,060	1,032	1,036	1,050	1,046	1,055
28	Chemicals and allied products	743	341	324	347	351	363	356	327	324	332	307	291	306	298	288
31	Leather and leather products	768	463	463	487	455	450	436	425	423	437	445	480	508	511	508
32	Stone, clay, and glass products	7,088	2,592	2,509	2,750	2,744	2,782	2,759	1,893	1,531	1,682	2,784	2,793	2,795	2,784	2,806
33	Primary metal industries	1,615	641	637	648	654	657	651	641	651	639	635	630	624	597	613
34	Fabricated metal products	2,072	831	822	633	673	749	746	812	827	833	882	913	921	927	942
35	Machinery (except electrical)	20,341	7,128	7,109	7,754	7,830	7,662	7,513	7,092	7,023	7,210	6,617	6,558	6,555	6,711	6,783
39	Miscellaneous manufactures	3,229	1,460	1,430	1,576	1,544	1,520	1,510	1,434	1,372	1,368	1,366	1,373	1,397	1,344	1,351
	All other major industry groups	4,317	1,879	1,874	2,097	2,032	2,004	1,876	1,683	1,657	1,653	1,750	1,832	1,948	2,007	1,958

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	830
Number of employees (average for the year)	34,872
Salaries and wages, total	$83,021
Value added by manufacture	$149,685
Establishments by employment size group:	
1-4 employees	233
5-9 employees	157
10-19 employees	136
20-49 employees	161
50-99 employees	64
100-249 employees	59
250-499 employees	11
500-999 employees	6
1,000-2,499 employees	3
2,500 employees and over	----------
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	555
Number of employees (average for the year)	33,615
Salaries and wages, total	$80,940
Value added by manufacture	$146,200

ITEM	Total for the State
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	33,561
Male	24,408
Female	9,153
Production workers	29,064
Male	21,350
Female	7,714
Force-account construction workers	38
Administrative, supervisory, sales, and all other	4,459
Male	3,020
Female	1,439
Expenditures for plant and equipment:	
New plant and equipment	$9,698
Construction and major alteration of fixed plants	3,051
Buildings	2,801
Other construction	250
Machinery and equipment	6,647
Production machinery and equipment	5,782
Other machinery and equipment	865
Used plant and equipment and land	983

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	944	226	409	239	27	29	14	10	22
Van	71	----------	20	31	8	8	4	----------	----------
Stake or platform	412	33	218	138	4	11	8	----------	----------
Panel or light delivery	197	161	36	----------	----------	----------	----------	----------	----------
All other	264	32	135	70	15	10	2	----------	----------
Truck tractors	14	----------	4	5	1	2	2	----------	----------
Trailers and semitrailers	18	----------	----------	----------	----------	----------	----------	6	3