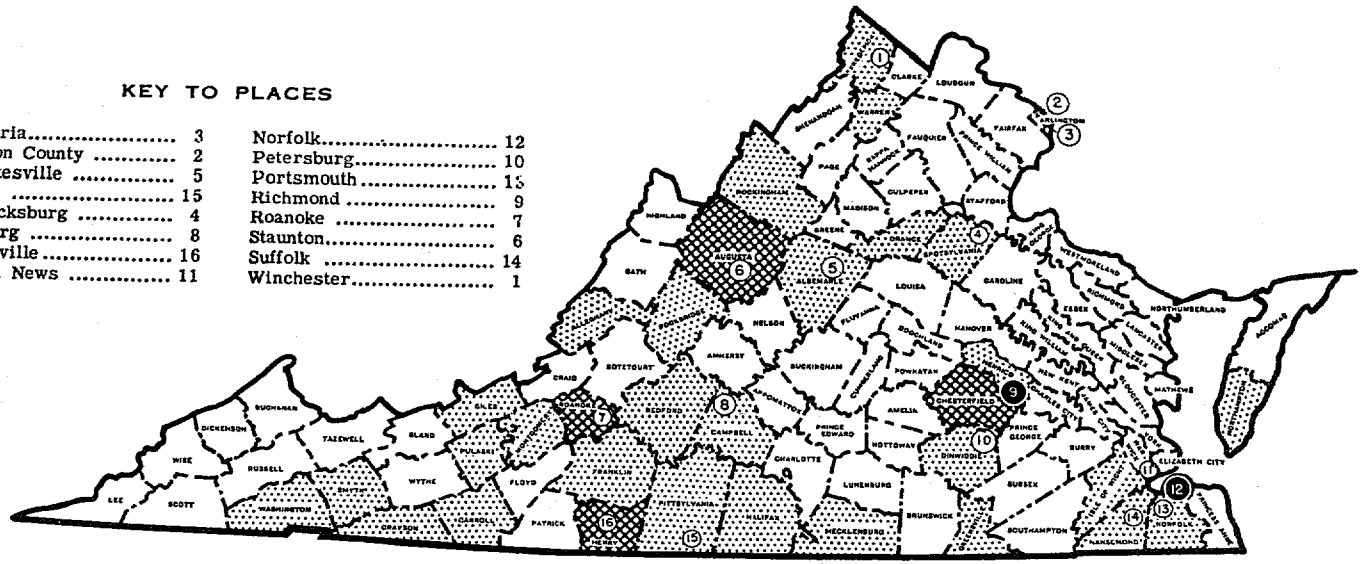
VIRGINIA

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES AND INDEPENDENT CITIES★: 1947



KEY TO PLACES

Alexandria	3	Norfolk	12
Arlington County	2	Petersburg	10
Charlottesville	5	Portsmouth	13
Danville	15	Richmond	9
Fredericksburg	4	Roanoke	7
Lynchburg	8	Staunton	6
Martinsville	16	Suffolk	14
Newport News	11	Winchester	1

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

★INDEPENDENT CITIES

Alexandria		Newport News	
Bristol		Norfolk	
Buena Vista		Petersburg	
Charlottesville		Portsmouth	
Clifton Forge		Radford	
Danville		Richmond	
Fredericksburg		Roanoke	
Hampton		South Norfolk	
Harrisonburg		Staunton	
Hopewell		Suffolk	
Lynchburg		Williamsburg	
Martinsville		Winchester	

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	3,644	216,637	$483,994	190,035	$384,441	$1,051,629
1939 [3]	2,494	150,202	150,359	132,089	113,848	376,259
1937	2,384	144,434	138,162	132,643	112,774	335,848
1935 [4]	2,241	123,892	107,636	113,654	86,377	247,029
1933	1,864	n.a.	n.a.	100,673	70,444	206,556
1931	2,275	n.a.	n.a.	103,045	90,559	352,683
1929	3,287	131,586	147,352	120,273	118,089	380,086
1927	2,432	n.a.	n.a.	114,918	110,378	325,181
1925	2,553	n.a.	n.a.	112,135	105,887	274,800
1923	2,743	n.a.	n.a.	111,578	104,680	243,661
1921	2,570	n.a.	n.a.	88,555	85,063	185,321
1919	5,487	132,842	145,423	118,976	119,583	271,131
1914	5,505	111,979	56,114	102,815	44,869	108,711
1909	5,685	114,227	47,256	105,676	38,155	94,211
1904	3,187	85,255	32,818	80,285	27,943	65,207
1899	3,186	70,051	23,903	66,223	20,274	49,285

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 $379.5 million. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–47 exclude, whereas those for 1899–1933 include, data for "Railroad repair shops" and "Manufactured gas." Value added by manufacture for 1935, including data for these industries, was $262.4 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

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

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

COUNTY AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**2,677,773**	**3,644**	**216,637**	**$483,994**	**190,035**	**$384,441**	**$1,051,629**	**2,494**	**132,089**	**$376,259**
COUNTIES AND INDEPENDENT CITIES										
Accomack County	33,030	28	622	773	587	658	1,310	32	347	419
Albemarle County	24,652	42	1,380	2,645	1,220	2,103	8,033	16	241	388
Alexandria city *	33,523	34	889	2,393	610	1,484	4,120	19	354	1,007
Alleghany County	22,688	20	4,151	10,435	3,693	8,848	24,763	23	2,843	(d)
Amelia County	8,495	23	263	299	263	299	513	10	86	65
Amherst County	20,273	8	45	67	43	63	147	3	68	(d)
Appomattox County	9,020	18	293	336	290	329	673	8	156	118
Arlington County	57,040	29	569	1,603	444	1,095	1,983	24	666	2,023
Augusta County	42,772	54	6,928	18,363	5,479	13,138	33,779	47	4,345	13,328
Bath County	7,191	9	37	59	36	57	109	2	(d)	(d)
Bedford County	29,687	77	1,662	3,224	1,477	2,580	6,981	47	1,126	(d)
Bland County	6,731	12	206	259	194	240	523	3	273	(d)
Botetourt County	16,447	23	319	398	296	315	911	12	459	598
Bristol city* [1]	9,768	34	3,557	8,054	3,091	5,728	11,042	33	1,395	2,481
Brunswick County	19,575	34	726	983	698	921	1,522	23	261	360
Buchanan County	31,477	13	299	435	291	418	664	4	42	74
Buckingham County	13,398	20	273	349	266	333	659	5	91	(d)
Buena Vista city*	4,335	4	304	(d)	285	(d)	(d)	11	612	(d)
Campbell County	26,048	43	3,307	7,058	2,966	6,045	15,999	15	1,971	3,708
Caroline County	13,945	54	618	710	610	692	1,259	26	226	217
Carroll County	25,904	32	2,522	4,801	2,360	4,052	12,761	16	1,598	2,625
Charles City County	4,275	14	199	225	197	220	363	4	85	71
Charlotte County	15,861	33	315	416	301	393	635	16	106	164
Charlottesville city*	19,400	20	1,473	3,129	1,220	2,378	8,309	29	980	1,780
Chesterfield County	31,183	28	5,316	(d)	4,231	(d)	(d)	36	3,636	(d)
Clarke County	7,159	8	143	256	126	205	481	6	61	107
Clifton Forge city*	6,461	3	41	73	31	54	173	5	25	(d)
Craig County	3,769	3	25	36	22	33	54	1	(d)	(d)
Culpeper County	13,365	26	600	1,161	457	697	2,289	14	266	316
Cumberland County	7,505	7	70	64	70	64	105	9	72	51

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 AND INDEPENDENT CITIES—Con.										
Danville city*	32,749	37	14,741	$33,360	13,451	$26,364	$58,043	32	969	(d)
Dickenson County	21,266	4	13	16	13	16	46	2	(d)	(d)
Dinwiddie County	18,166	40	2,062	3,356	1,932	2,910	4,039	8	226	(d)
Elizabeth City County	32,283	13	162	249	153	220	414	3	28	$68
Essex County	7,006	35	343	454	334	403	866	12	127	144
Fairfax County	40,929	20	170	296	152	239	765	4	43	(d)
Fauquier County	21,039	19	146	248	117	184	494	10	57	159
Floyd County	11,967	20	328	316	321	291	579	12	216	262
Fluvanna County	7,088	15	167	157	173	154	359	5	56	45
Franklin County	25,864	50	1,167	2,201	1,095	1,839	5,832	15	589	1,142
Frederick County	14,008	29	1,242	2,586	1,003	1,712	4,154	17	345	525
Fredericksburg city*	10,066	15	663	1,037	571	792	1,926	19	1,129	(d)
Giles County	14,635	14	4,522	(d)	3,889	(d)	(d)	7	168	(d)
Gloucester County	9,548	23	275	348	255	312	668	5	44	58
Goochland County	8,454	15	262	244	262	244	407	10	123	82
Grayson County	21,916	21	1,717	(d)	1,674	(d)	(d)	7	950	(d)
Greene County	5,218	3	11	12	11	12	17	1	(d)	(d)
Greensville County	14,866	20	1,021	2,142	894	1,702	6,347	20	956	1,517
Halifax County	41,271	54	2,673	5,027	2,473	4,428	12,789	36	478	787
Hampton city*	5,898	16	341	549	283	361	1,167	6	48	239
Hanover County	18,500	57	751	1,016	705	915	1,923	31	358	390
Harrisonburg city*	8,768	19	834	1,381	744	1,145	2,498	35	1,219	1,816
Henrico County	41,960	42	1,849	4,515	1,348	3,058	9,492	17	614	1,422
Henry County	26,481	47	7,167	16,665	6,251	12,737	47,187	20	3,805	8,889
Highland County	4,875	9	113	122	112	119	268	10	92	127
Hopewell city*	8,679	13	3,962	10,571	3,149	7,475	27,670	11	1,677	16,887
Isle of Wight County	13,381	25	1,702	4,317	1,606	3,636	13,663	18	985	2,488
James City County	4,907	18	196	313	188	292	504	4	44	54
King and Queen County	6,954	25	300	426	287	342	669	7	115	(d)
King George County	5,431	11	100	d)	100	(d)	(d)	2	(d)	(d)
King William County	7,855	12	751	(d)	729	(d)	(d)	10	715	(d)
Lancaster County	8,786	31	(d)	(d)	(d)	(d)	(d)	25	(d)	(d)
Lee County	39,296	14	79	98	76	93	181	1	(d)	(d)
Loudoun County	20,291	11	157	(d)	140	(d)	(d)	12	60	(d)
Louisa County	13,665	46	561	730	540	629	1,516	34	418	241
Lunenburg County	13,844	34	500	679	463	556	1,219	18	228	324
Lynchburg city*	44,541	58	8,794	17,689	7,687	14,292	29,703	64	7,440	12,485
Madison County	8,465	14	163	143	156	128	285	9	82	128
Martinsville city*	10,080	23	2,548	4,775	2,318	3,796	10,560	21	3,824	5,316
Mathews County	7,149	10	111	139	108	132	178	7	24	(d)
Mecklenburg County	31,933	43	1,407	2,309	1,263	1,859	4,687	43	874	1,117
Middlesex County	6,673	22	216	256	198	224	567	8	111	126
Montgomery County	21,206	36	1,350	1,868	1,268	1,671	5,321	16	914	1,343
Nansemond County	22,771	33	2,129	3,238	1,966	2,771	5,359	22	519	342
Nelson County	16,241	6	583	(d)	420	(d)	(d)	7	596	(d)
New Kent County	4,092	10	222	342	219	324	575	10	78	88
Newport News city*	37,067	28	12,418	40,197	10,925	34,877	48,159	23	7,905	(d)
Norfolk County	35,828	49	3,802	8,405	3,314	6,562	16,461	35	2,330	6,561
Norfolk city*	144,332	184	10,336	27,691	8,374	20,208	54,080	170	5,071	18,367
Northampton County	17,597	24	1,053	1,258	1,004	1,110	2,265	29	824	698
Northumberland County	10,463	33	675	1,191	643	1,057	2,159	25	707	666
Nottoway County	15,556	34	456	612	420	483	1,031	25	530	829
Orange County	12,649	32	1,268	2,533	1,081	1,786	3,619	16	682	922
Page County	14,863	25	915	1,638	849	1,413	4,040	18	381	423
Patrick County	16,613	32	438	632	421	557	906	5	85	102
Petersburg city*	30,631	39	3,794	6,926	3,479	5,908	16,071	43	4,438	(d)
Pittsylvania County	61,697	65	1,064	1,708	900	1,216	3,580	12	9,091	(d)
Portsmouth city*	50,745	40	1,839	3,816	1,571	2,827	13,174	30	1,498	3,462
Powhatan County	5,671	24	248	300	247	299	457	12	116	121
Prince Edward County	14,922	22	733	1,113	657	893	1,535	14	442	455
Prince George County	12,226	6	178	264	163	216	441	6	104	87
Princess Anne County	19,984	17	190	249	183	224	384	7	83	118
Prince William County	17,738	15	157	304	142	266	621	6	52	103
Pulaski County	22,767	31	2,927	5,900	2,711	5,151	7,337	24	2,235	3,419
Radford city*	6,990	8	1,247	(d)	1,160	(d)	(d)	10	1,028	(d)
Rappahannock County	7,208	4	27	30	25	24	84	5	42	21
Richmond County	6,634	26	474	880	391	636	1,134	11	116	93
Richmond city*	193,042	336	28,068	66,163	24,148	50,213	205,130	307	18,221	109,508
Roanoke County	42,897	45	5,455	14,568	4,737	11,456	27,515	29	5,350	(d)
Roanoke city*	69,287	93	5,832	13,072	4,932	9,742	22,077	74	2,392	(d)
Rockbridge County	22,384	25	2,121	4,881	1,969	4,305	13,656	18	754	2,909
Rockingham County	31,289	55	2,637	4,866	2,332	3,762	8,474	25	269	570
Russell County	26,627	5	23	24	20	22	45	3	8	(d)
Scott County	26,989	7	160	148	156	141	253	2	(d)	(d)
Shenandoah County	20,898	32	720	1,057	661	907	1,801	35	415	603
Smyth County	28,861	30	3,196	6,975	2,828	5,836	11,054	23	2,090	5,260
Southampton County	26,442	22	866	1,429	830	1,350	3,259	16	184	303
South Norfolk city*	8,038	6	626	1,271	545	983	2,346	10	928	2,312
Spotsylvania County	9,905	44	2,810	(d)	2,409	(d)	(d)	8	1,537	(d)
Stafford County	9,548	19	157	162	156	160	320	1	(d)	(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 AND INDEPENDENT CITIES—Con.										
Staunton city*	13,337	21	1,415	$2,586	1,343	$2,369	$3,825	19	776	$1,529
Suffolk city*	11,343	23	986	1,711	889	1,375	4,666	28	1,600	3,396
Surry County	6,193	13	243	236	243	236	459	8	123	108
Sussex County	12,485	15	445	647	425	548	965	19	424	420
Tazewell County	41,607	39	980	1,731	843	1,351	3,209	24	318	618
Warren County	11,352	17	3,710	(d)	3,223	(d)	(d)	13	360	(d)
Warwick County	9,248	22	290	498	242	388	873	4	155	(d)
Washington County	38,197	30	1,934	3,462	1,777	2,994	8,662	16	398	1,532
Westmoreland County	9,512	38	524	460	503	403	922	14	162	137
Williamsburg city*	3,942	1	(d)	(d)	(d)	(d)	(d)	4	(d)	(d)
Winchester city*	12,095	17	1,529	2,792	1,423	2,454	5,423	29	1,896	3,328
Wise County	52,458	31	508	1,063	441	827	1,719	18	387	592
Wythe County	22,721	22	815	1,391	748	1,241	3,057	17	1,067	2,512
York County	8,857	13	238	270	232	258	498	3	16	(d)
URBAN PLACES										
Alexandria	33,523	34	889	2,393	610	1,484	4,120	19	354	1,007
Arlington County [2]	57,040	29	569	1,603	444	1,095	1,983	24	666	2,023
Charlottesville	19,400	20	1,473	3,129	1,220	2,378	8,309	29	980	1,780
Danville	32,749	37	14,741	33,360	13,451	26,364	58,043	32	969	(d)
Fredericksburg	10,060	15	663	1,037	571	792	1,926	19	1,129	(d)
Lynchburg	44,541	58	8,794	17,689	7,687	14,292	29,703	64	7,440	12,485
Martinsville	10,080	23	2,548	4,775	2,318	3,796	10,560	21	3,824	5,316
Newport News	37,067	28	12,418	40,197	10,925	34,877	48,159	23	7,905	(d)
Norfolk city	144,332	184	10,336	27,691	8,374	20,208	54,080	170	5,071	18,367
Petersburg	30,631	39	3,794	6,926	3,479	5,908	16,071	43	4,438	(d)
Portsmouth	50,745	40	1,839	3,816	1,571	2,827	13,174	39	1,498	3,462
Richmond	193,042	336	28,068	66,163	24,148	50,213	205,130	307	18,221	109,508
Roanoke	69,287	93	5,832	13,072	4,932	9,742	22,077	74	2,392	(d)
Staunton	13,337	21	1,415	2,586	1,343	2,369	3,825	19	776	1,529
Suffolk	11,343	23	986	1,711	889	1,375	4,666	28	1,600	3,396
Winchester	12,095	17	1,529	2,792	1,423	2,454	5,423	29	1,896	3,328

* Independent city.
d Withheld to avoid disclosing figures for individual companies.
[1] General statistics for Bristol city in Sullivan County, Tenn., are shown in table 2 for the State of Tennessee.
[2] Classified as urban under special rule in the 1940 Census of Population.

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

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

MAJOR INDUSTRY GROUP		1947										1939		
		Number of establishments	All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment			Number of establishments	Number of production workers (average for the year)	Value added by manufacture
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total		Total	New plant	New equipment			
	All industries, total	**3,644**	**216,637**	**$483,994**	**190,035**	**386,668**	**$384,441**	**$1,051,629**	**$112,383**	**$33,902**	**$78,481**	**2,494**	**132,089**	**$376,259**
20	Food and kindred products	788	21,555	42,800	16,434	33,443	25,684	88,388	9,487	3,150	6,337	753	9,947	32,186
21	Tobacco manufactures	41	16,687	33,240	15,470	29,061	28,062	143,021	5,622	1,895	3,727	[1] 12	[1] 9,902	[1] 86,445
22	Textile mill products	112	33,881	76,503	31,451	64,493	65,234	167,151	21,009	7,770	13,239	104	28,045	43,010
23	Apparel and related products	118	15,057	23,822	14,131	26,045	19,518	48,971	1,313	547	766	78	9,852	11,737
24	Lumber and products, exc. furniture	1,358	23,268	34,842	22,384	44,774	31,071	63,399	3,254	664	2,590	666	14,787	18,527
25	Furniture and fixtures	101	13,878	28,791	12,764	27,152	24,092	53,858	4,394	1,550	2,844	68	8,654	15,131
26	Paper and allied products	55	10,706	26,063	9,654	20,566	21,756	71,915	7,887	2,375	5,512	51	6,315	21,255
27	Printing and publishing industries	341	5,861	15,534	3,704	8,044	9,605	29,867	1,537	420	1,117	262	2,759	12,591
28	Chemicals and allied products	143	33,767	92,819	26,985	55,497	67,942	218,528	41,062	8,811	32,251	129	16,368	71,613
29	Petroleum and coal products	13	291	712	268	449	637	1,143	69	32	37	10	251	465
31	Leather and leather products	33	5,334	9,922	4,803	9,418	8,784	17,423	408	96	312	24	4,844	7,164
32	Stone, clay, and glass products	235	4,067	9,942	4,150	8,695	7,835	20,456	8,767	4,530	4,237	117	3,491	8,091
33	Primary metal industries	48	3,754	9,366	3,479	7,707	8,174	12,801	1,296	358	938	38	2,001	4,495
34	Fabricated metal products	73	5,792	15,221	4,776	10,290	11,242	26,660	1,029	276	753	52	2,336	8,751
35	Machinery (except electrical)	55	1,657	3,733	1,437	3,003	2,860	6,096	293	105	188	44	773	2,447
37	Transportation equipment	56	16,505	52,752	14,686	31,064	45,876	70,751	3,184	684	2,500	34	9,783	28,183
39	Miscellaneous manufactures	54	1,824	3,449	1,625	3,288	2,732	5,316	1,219	559	660	45	933	1,653
	All other major industry groups	20	2,153	4,483	1,834	3,679	3,337	5,885	553	80	473	7	1,048	2,515

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

874424—50——40

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]	**3,644**	**2,461**	**825**	**358**	**216,637**	**$483,994**	**132,089**	**190,035**	**$384,441**	**$1,051,629**	**$111,588**
20	FOOD AND KINDRED PRODUCTS	788	537	212	39	21,555	42,800	9,947	16,434	25,684	88,388	9,487
201	Meat products	72	37	30	5	3,332	7,671	1,256	2,868	5,145	13,825	938
2011	Meat packing, wholesale	35	20	11	4	1,991	5,377	910	1,685	3,407	8,612	758
2013	Prepared meats	21	11	10	----------	550	1,260	231	458	868	3,436	75
2015	Poultry dressing, wholesale	16	6	9	1	791	1,034	115	725	870	1,777	105
202	Dairy products	40	27	9	4	1,137	2,638	[2] 489	715	1,413	7,201	988
2024	Ice cream and ices	27	20	5	2	686	1,549	281	461	827	3,755	439
203	Canning, preserving, and freezing	163	110	46	7	4,508	5,266	2,755	4,212	4,415	9,251	1,264
2031	Canned sea food	8	2	5	1	529	873	19	449	713	1,263	22
2033	Canning and preserving, except fish	131	100	26	5	3,038	3,359	2,254	2,894	2,850	5,995	1,090
2035	Pickles and sauces	10	3	7	----------	182	321	118	163	266	670	22
2037	Frozen foods	10	3	6	1	655	627	312	606	519	1,187	129
204	Grain-mill products	154	129	22	3	1,933	4,081	855	1,442	2,567	10,348	1,010
2042	Prepared animal feeds	49	33	14	2	1,095	2,346	189	772	1,411	5,813	721
205	Bakery products	78	37	29	12	4,060	9,780	[2] 2,223	2,786	5,110	15,427	1,878
2071	Confectionery products	23	14	7	2	1,955	3,080	847	1,787	2,471	5,075	537
208	Beverages	136	94	39	3	2,555	6,009	593	1,323	2,332	13,753	2,220
2081	Bottled soft drinks	124	89	33	2	2,207	5,256	473	1,040	1,810	11,827	2,146
2082	Malt liquors	3	----------	2	1	195	475	85	157	342	1,224	27
209	Miscellaneous food preparations	122	89	30	3	2,075	4,275	929	1,301	2,231	13,508	652
2097	Manufactured ice	76	59	15	2	1,185	2,270	364	637	1,165	4,955	451
2099	Food preparations, n.e.c.	33	23	10	----------	566	1,197	119	422	613	3,253	163
21	TOBACCO MANUFACTURES	41	5	15	21	16,687	33,240	[3] 9,902	15,470	28,062	143,021	5,622
2111	Cigarettes	5	----------	1	4	7,725	17,559	6,736	7,173	15,453	118,548	2,873
2141	Tobacco stemming and redrying	27	1	14	12	6,109	10,010	n.a.	5,660	8,014	13,738	2,159
22	TEXTILE MILL PRODUCTS	112	8	42	62	33,881	76,503	28,045	31,451	65,234	167,151	21,009
221	Woolen and worsted manufactures	12	1	6	5	1,873	3,829	1,506	1,731	3,287	8,497	1,347
223	Cotton and rayon broad-woven fabrics	31	1	7	23	20,993	49,454	16,681	19,517	42,333	112,562	8,198
2241	Narrow fabric mills	6	----------	3	3	503	937	232	468	807	2,286	488
225	Knitting mills	47	6	21	20	6,372	12,946	7,077	5,906	10,927	23,846	5,138
2251	Full-fashioned hosiery mills	23	2	11	10	2,801	6,499	2,866	2,608	5,639	11,940	1,873
2252	Seamless hosiery mills	9	2	3	4	1,358	2,125	2,399	1,289	1,800	2,992	438
2253	Knit outerwear mills	6	2	3	1	339	514	(d)	309	403	683	87
2254	Knit underwear mills	5	----------	3	2	777	1,370	(d)	733	1,135	2,084	(d)
2256	Knit-fabric mills	4	----------	1	3	1,097	2,438	(d)	967	1,950	6,147	(d)
2261	Finishing textiles, except wool	7	----------	3	4	1,494	3,725	688	1,359	3,080	6,267	(d)
23	APPAREL AND RELATED PRODUCTS	118	28	51	39	15,057	23,822	9,852	14,131	19,518	48,971	1,313
2311	Men's and boys' suits and coats	6	----------	1	5	2,534	5,014	2,202	2,450	4,672	15,515	121
232	Men's and boys' furnishings	48	2	26	20	6,394	8,332	5,566	6,032	7,152	15,956	524
2321	Men's dress shirts and nightwear	12	1	5	6	1,322	1,589	1,334	1,251	1,429	2,393	206
2327	Separate trousers	8	1	3	4	1,356	1,643	203	1,242	1,343	2,502	60
2329	Men's and boys' clothing, n.e.c.	19	----------	12	7	2,906	4,000	3,315	2,761	3,371	8,894	179
233	Women's and misses' outerwear	13	2	7	4	1,530	2,305	238	1,436	1,917	3,144	165
2334	Dresses, dozen price	9	1	5	3	1,244	1,765	(d)	1,175	1,529	2,240	70
2341	Women's and children's underwear	6	2	2	2	618	986	541	578	807	1,522	75
236	Children's outerwear	7	1	6	----------	325	397	133	314	375	439	82
239	Miscellaneous fabricated textiles	34	20	7	7	3,428	6,358	926	3,114	4,323	11,628	329
2393	Textile bags	9	3	3	3	560	1,056	563	485	736	3,561	52
2394	Canvas products	14	13	1	----------	152	283	32	133	232	416	6
24	LUMBER AND PRODUCTS, EXC. FURNITURE	1,358	1,125	209	24	23,268	34,842	14,787	22,384	31,071	63,399	3,254
242	Lumber and timber basic products	1,258	1,076	170	12	18,484	25,793	10,122	17,997	23,730	47,804	2,276
2421	Sawmills and planing mills, general	1,226	1,052	162	12	17,901	24,912	8,624	17,440	22,933	45,958	2,202
2422	Veneer mills	5	1	4	----------	213	377	563	197	310	1,051	35
2424	Cooperage stock mills	13	9	4	----------	251	305	772	244	296	350	16
2425	Excelsior mills	14	14	----------	----------	119	199	163	116	191	445	23
243	Millwork and related products	30	13	15	2	1,432	3,188	1,338	1,262	2,325	5,291	230
2431	Millwork plants	22	11	9	2	1,123	2,602	(d)	992	1,850	4,132	144
244	Wooden containers	40	19	13	8	2,488	4,093	2,728	2,343	3,572	6,653	241
2441	Fruit and vegetable baskets	4	----------	1	3	931	1,541	1,377	896	1,379	2,177	93
2444	Wooden boxes (except cigar boxes)	22	8	10	4	1,285	2,082	992	1,183	1,769	3,756	83
2445	Cooperage	14	11	2	1	272	470	359	264	424	720	65
249	Miscellaneous wood products	30	17	11	2	864	1,768	599	782	1,444	3,651	507
2491	Wood preserving	7	2	3	2	456	978	434	407	834	2,548	349
25	FURNITURE AND FIXTURES	101	44	27	30	13,878	28,791	8,654	12,764	24,092	53,858	4,394
251	Household furniture	84	35	19	30	13,415	27,732	8,435	12,374	23,321	52,260	4,226
2511	Wood house furniture, exc. upholst.	55	20	9	26	12,323	25,692	7,974	11,407	21,744	47,618	3,864
2512	Household furniture, upholstered	15	6	6	3	784	1,440	294	704	1,181	3,555	289
2541	Partitions and fixtures	9	5	4	----------	200	621	119	157	424	829	94
26	PAPER AND ALLIED PRODUCTS	55	8	20	27	10,706	26,063	6,315	9,654	21,756	71,915	7,887
261	Pulp, paper, and paperboard	22	----------	3	19	7,421	19,110	4,714	6,679	16,183	55,947	6,828
2611	Pulp mills	10	----------	2	8	4,142	9,756	1,888	3,818	8,535	21,685	4,729
2612	Paper and board mills	12	----------	1	11	3,279	9,354	2,826	2,861	7,648	34,262	2,099
2661	Paper bags	4	----------	3	1	644	1,327	518	605	1,201	3,308	174
267	Paperboard containers and boxes	17	6	9	2	964	2,133	726	871	1,599	5,271	377
2699	Converted paper products, n.e.c.	8	1	3	4	1,299	2,733	(d)	1,169	2,181	5,513	342

See footnotes at end of table.

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

INDUSTRY		Total number of establishments	Number of establishments with—			All employees		Production workers			Value added by manufacture	Expenditures for new plant and equipment
			1-19 employees	20-99 employees	100 employees and over	Number (average for the year)	Salaries and wages, total	Number (average for the year)		Wages, total 1947		
No.	Title							1939	1947			
27	PRINTING AND PUBLISHING INDUSTRIES	341	284	46	11	5,861	$15,534	2,759	3,704	$9,605	$29,867	$1,537
2711	Newspapers	120	98	17	5	2,850	8,101	1,085	1,430	4,293	16,836	1,082
2751	Commercial printing	166	141	22	3	1,951	4,582	1,156	1,572	3,515	8,088	339
2761	Lithographing	6	4	2	----------	143	495	234	116	333	895	23
279	Printing trades service industries	20	18	2	----------	172	574	90	140	450	1,065	28
2793	Photoengraving	10	9	1	----------	111	393	52	95	318	714	24
28	CHEMICALS AND ALLIED PRODUCTS	143	53	62	28	33,767	92,819	16,368	26,985	67,942	218,528	40,266
281	Industrial inorganic chemicals	8	2	1	5	3,653	9,777	1,937	2,940	7,249	25,119	(d)
282	Industrial organic chemicals	16	----------	6	10	24,302	68,735	10,903	19,458	51,114	157,828	30,969
2825	Synthetic fibers	7	----------	----------	7	20,672	58,574	10,786	16,431	43,343	138,149	(d)
283	Drugs and medicines	22	14	6	2	1,070	3,141	203	818	2,014	7,029	1,098
285	*Paints and allied products*	14	7	6	1	875	2,091	354	615	1,151	4,335	657
2865	Natural tanning and dyeing materials	4	1	2	1	276	564	257	243	479	1,307	22
287	Fertilizers	34	4	24	6	2,252	5,127	1,869	1,841	3,634	13,335	973
2871	Fertilizers	11	1	5	5	1,310	3,258	913	1,093	2,358	7,977	672
2872	Fertilizers (mixing only)	23	3	19	1	942	1,869	956	748	1,276	5,358	301
288	Vegetable and animal oils	17	3	13	1	689	1,824	645	625	1,403	5,270	830
2885	Marine animal oils	7	1	5	1	318	827	468	294	707	1,487	92
2886	Grease and tallow	6	----------	6	----------	248	714	142	225	490	1,478	217
289	Miscellaneous chemical products	23	17	4	2	628	1,475	(d)	433	872	4,199	167
29	PETROLEUM AND COAL PRODUCTS	13	9	3	1	291	712	251	268	637	1,143	69
2931	Beehive coke ovens	5	1	3	1	240	594	203	226	538	720	37
30	RUBBER PRODUCTS	3	1	----------	2	667	(d)	486	464	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	33	9	11	13	5,334	9,922	4,844	4,803	8,784	17,423	408
3111	Leather tanning and finishing	9	2	4	3	789	1,858	442	747	1,694	4,410	44
3131	Footwear cut stock	4	1	3	----------	142	246	(d)	132	202	484	----------
32	STONE, CLAY, AND GLASS PRODUCTS	235	182	41	12	4,667	9,942	3,491	4,150	7,835	20,456	8,768
3231	Products of purchased glass	8	1	2	5	725	1,830	273	651	1,312	3,678	568
3241	Cement, hydraulic	3	----------	1	2	477	1,208	289	384	861	2,454	229
325	*Structural clay products*	23	8	14	1	807	1,533	1,191	756	1,349	3,033	327
327	Concrete and plaster products	180	155	22	3	2,305	4,576	1,249	2,055	3,701	9,645	7,573
3271	Concrete products	161	145	15	1	1,510	2,858	(d)	1,341	2,249	5,724	1,211
3274	Lime	14	10	4	----------	283	535	529	248	442	1,123	(d)
3281	Cut-stone and stone products	10	9	1	----------	112	276	378	86	166	456	25
329	Miscellaneous nonmetallic mineral products	6	4	1	1	212	485	(d)	190	414	1,131	46
33	PRIMARY METAL INDUSTRIES	48	25	13	10	3,754	9,366	2,001	3,479	8,174	12,801	1,296
331	Blast furnaces and steel mills	3	----------	1	2	392	946	520	337	747	686	80
3321	Gray-iron foundries	33	18	9	6	2,848	7,106	1,379	2,657	6,251	10,045	1,118
34	FABRICATED METAL PRODUCTS	73	34	22	17	5,792	15,221	2,336	4,776	11,242	26,660	1,029
342	Cutlery, hand tools, and hardware	6	4	1	1	154	308	(d)	139	238	489	5
343	Heating and plumbing equipment	6	2	1	3	557	1,351	263	472	1,056	1,774	112
344	Structural metal products	42	15	19	8	3,215	8,669	1,428	2,508	5,832	14,538	519
3441	Structural and ornamental products	23	5	14	4	2,006	5,699	742	1,532	3,745	9,473	368
3443	Boiler shop products	6	1	2	3	748	1,727	173	606	1,203	2,921	72
35	MACHINERY (EXCEPT ELECTRICAL)	55	28	25	2	1,657	3,733	773	1,437	2,860	6,096	293
3522	Farm machinery (except tractors)	12	5	7	----------	311	544	302	279	443	1,020	49
355	*Special-industry machinery, n.e.c.*	17	9	7	1	456	1,275	167	388	893	2,328	148
3559	Special-industry machinery, n.e.c.	10	5	4	1	324	964	130	273	648	1,732	115
356	General industrial machinery	12	5	7	----------	357	724	209	312	563	1,364	32
3565	Industrial trucks and tractors	6	3	3	----------	188	326	(d)	172	266	736	7
3599	Machine shops	7	5	2	----------	143	365	60	126	314	477	14
36	ELECTRICAL MACHINERY	7	6	----------	1	331	(d)	(d)	286	(d)	(d)	(d)
37	TRANSPORTATION EQUIPMENT	56	31	14	11	16,505	52,752	9,783	14,686	45,876	70,751	3,184
3732	Boat building and repair	21	18	3	----------	186	474	n.a.	175	433	912	52
3799	Transportation equipment, n.e.c.	4	3	----------	1	145	278	69	134	213	402	5
38	INSTRUMENTS AND RELATED PRODUCTS	10	7	1	2	1,155	(d)	(d)	1,084	(d)	(d)	(d)
39	MISCELLANEOUS MANUFACTURES	54	37	11	6	1,824	3,449	933	1,625	2,732	5,316	1,219
395	Office supplies	7	4	2	1	267	460	97	218	324	944	(d)
399	Miscellaneous manufactures	33	26	6	1	670	1,304	332	601	1,037	1,989	254
3988	Morticians' goods	11	8	3	----------	182	432	83	158	279	661	32
3993	Signs and advertising displays	16	13	2	1	404	701	172	366	613	1,097	222

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

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 THE INDEPENDENT CITY OF RICHMOND, BY INDUSTRY GROUPS: 1947

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

INDUSTRY GROUP		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	All industries, total [1]	**336**	**28,068**	**$66,163**	**24,148**	**$50,213**	**$205,130**	**$8,668**
20	Food and kindred products	74	4,055	10,321	2,741	5,583	15,987	1,099
201	Meat products	11	1,085	2,878	892	1,936	4,203	75
202	Dairy products	8	218	507	132	272	1,050	85
205	Bakery products	17	1,802	4,681	1,163	2,326	6,467	624
207	Confectionery and related products	5	118	247	99	195	450	22
208	Beverages	11	285	726	134	240	1,493	223
209	Miscellaneous food preparations	12	329	804	142	260	1,299	35
21	Tobacco manufactures	11	11,820	25,521	10,967	21,950	130,198	3,864
22	Textile mill products	3	388	(d)	331	(d)	(d)	(d)
23	Apparel and related products	17	2,296	5,579	2,118	4,160	9,592	271
239	Miscellaneous fabricated textiles	10	1,002	2,818	901	1,769	5,826	215
24	Lumber and products, except furniture	6	353	869	305	702	1,353	97
25	Furniture and fixtures	10	342	902	297	709	1,592	338
251	Household furniture	5	207	509	191	453	986	(d)
26	Paper and allied products	19	2,675	6,433	2,381	4,976	13,601	902
261	Pulp, paper, and paperboard	4	890	2,407	786	1,961	4,697	360
267	Paperboard containers and boxes	8	595	1,489	528	1,038	3,810	248
269	Pulp goods and miscellaneous paper products	3	764	1,691	690	1,295	3,158	134
27	Printing and publishing industries	88	1,742	4,281	1,273	2,986	7,670	258
275	Commercial printing	55	942	2,305	768	1,753	4,248	186
28	Chemicals and allied products	26	654	1,826	456	954	5,380	585
283	Drugs and medicines	7	200	607	96	195	1,780	369
285	Paints and allied products	6	121	395	72	138	1,392	(d)
289	Miscellaneous chemical products	8	229	561	199	421	1,469	30
29	Petroleum and coal products	1	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	6	162	(d)	157	(d)	(d)	(d)
32	Stone, clay, and glass products	13	352	895	292	543	2,146	(d)
33	Primary metal industries	6	119	267	103	198	424	8
34	Fabricated metal products	25	2,425	6,056	2,160	5,112	11,478	407
344	Structural metal products	14	875	2,038	718	1,491	3,388	76
35	Machinery (except electrical)	12	337	885	290	640	1,945	100
355	Special-industry machinery, n.e.c.	6	195	565	161	384	1,197	91
36	Electrical machinery	1	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	1	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	3	22	(d)	22	(d)	(d)	(d)
39	Miscellaneous manufactures	14	200	435	156	298	746	15

[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	3,644	788	41	112	118	1,358	101	55	341	143	13	3	33	235	48	73	55	7	56	10	54
1-19 employees	2,461	537	5	8	28	1,125	44	8	284	53	9	1	9	182	25	34	28	6	31	7	37
20-99 employees	825	212	15	42	51	209	27	20	46	62	3		11	41	13	22	25		14	1	11
100 employees and over	358	39	21	62	30	24	30	27	11	28	1	2	13	12	10	17	2	1	11	2	6
Accomack:																					
1-19 employees	21	2				15			2					2							
20-99 employees	5	1			1	3															
100 employees and over	2	1				1															
Albemarle:																					
1-19 employees	30	4				20			2	2				1		1					
20-99 employees	8	3		1		1								1			2				
100 employees and over	4			2	1	1															
Alexandria city*:																					
1-19 employees	23	8				1			6	1				1		2	1		2		1
20-99 employees	8	1			1				1	2				1	1	1					
100 employees and over	3	1								1						1					
Alleghany:																					
1-19 employees	11	6				1			2					1	1						
20-99 employees	3	1		1	1																
100 employees and over	6			2				2		1			1								
Amelia:																					
1-19 employees	21	1				19								1							
20-99 employees	2					2															
Amherst:																					
1-19 employees	8	1				4			1					2							
Appomattox:																					
1-19 employees	15	3			1	9			1									1			
20-99 employees	3				1	2															
Arlington:																					
1-19 employees	18	6				1	1		6		1						1				2
20-99 employees	10	1				1								5		2				1	
100 employees and over	1														1						
Augusta:																					
1-19 employees	30	14				8			3					4							1
20-99 employees	15	5		4	1	2			1					1							1
100 employees and over	9			4			1			1				1		2					
Bath:																					
1-19 employees	9	1				7			1												
Bedford:																					
1-19 employees	65	38				16	3		4					2			1				1
20-99 employees	7	2				2			1						1		1				
100 employees and over	5			2				2				1									
Bland:																					
1-19 employees	8	1				7															
20-99 employees	4			1		3															
Botetourt:																					
1-19 employees	18	8				7			2							1					1
20-99 employees	4	1				1								1							
100 employees and over	1													1							
Bristol city*:																					
1-19 employees	13	6				1		1		1				2	1						1
20-99 employees	13	6			1	1			1					1			1		1		1
100 employees and over	8			2	1	1	1	1								1	1				
Brunswick:																					
1-19 employees	25	1				22			1					1							
20-99 employees	9			1	2	5	1														
Buchanan:																					
1-19 employees	6					4			1					1							
20-99 employees	7					7															
Buckingham:																					
1-19 employees	17	2				15															
20-99 employees	3	1				2															
Buena Vista city*:																					
1-19 employees	1								1												
20-99 employees	2							2													
100 employees and over	1							1													
Campbell:																					
1-19 employees	27	6				7			2		1		1	6			1		1	1	1
20-99 employees	11	3	1			3			1	2							1				
100 employees and over	5			1	1		1								1						1
Caroline:																					
1-19 employees	47	2				43			2												
20-99 employees	7	2				5															
Carroll:																					
1-19 employees	20	3				16			1												
20-99 employees	3	1				1	1							1							
100 employees and over	9			4			3			1											1
Charles city:																					
1-19 employees	12					11								1							
20-99 employees	2					1									1						
Charlotte:																					
1-19 employees	31	3			1	25			1												
20-99 employees	2	1				1															
Charlottesville city*:																					
1-19 employees	11	5			1				3					2							
20-99 employees	4	2				1			1												1
100 employees and over	5	1		2	1																
Chesterfield:																					
1-19 employees	22	4				15				1				2							
20-99 employees	4					3				1											
100 employees and over	2									2											

See footnote at end of table.

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
Clarke:																					
1-19 employees	7	1		1		3			2												
20-99 employees	1					1															
Clifton Forge city*:																					
1-19 employees	2	1							1												
20-99 employees	1			1																	
Craig:																					
1-19 employees	3					2			1												
Culpeper:																					
1-19 employees	21	6				11	2		2												
20-99 employees	3			1	1	1															
100 employees and over	2				1											1					
Cumberland:																					
1-19 employees	7	1				6															
Danville city*:																					
1-19 employees	14	4			1				2	2				3	1		1				
20-99 employees	15	4	2		2				3	1				1	1		1				
100 employees and over	8		5	2	1																
Dickenson:																					
1-19 employees	4				1	2								1							
Dinwiddie:																					
1-19 employees	27	5	1			20											1				
20-99 employees	11	2				8															1
100 employees and over	2		1																	1	
Elizabeth City:																					
1-19 employees	10	1				5			1					1			1		1		
20-99 employees	3					1								1	1						
Essex:																					
1-19 employees	34	7				25			1					1							
20-99 employees	1					1															
Fairfax:																					
1-19 employees	18					8	1		4	2				2					1		
20-99 employees	2	1				1															
Fauquier:																					
1-19 employees	18	4				11			2					1							
20-99 employees	1	1																			
Floyd:																					
1-19 employees	17	4				13															
20-99 employees	2					2															
100 employees and over	1				1																
Fluvanna:																					
1-19 employees	13	1				12															
20-99 employees	2					2															
Franklin:																					
1-19 employees	40	8				30	1		1												
20-99 employees	7					4	1			1				1							
100 employees and over	3			1		1	1														
Frederick:																					
1-19 employees	19	8				7				1				3							
20-99 employees	8	3		2										2	1						
100 employees and over	2					1						1									
Fredericksburg city*:																					
1-19 employees	8	4							2							1					1
20-99 employees	5	2			2				1												
100 employees and over	2				1								1								
Giles:																					
1-19 employees	11					4			1					6							
20-99 employees	2												1	1							
100 employees and over	1									1											
Gloucester:																					
1-19 employees	19	1				17			1												
20-99 employees	4					3											1				
Goochland:																					
1-19 employees	13					13															
20-99 employees	2					2															
Grayson:																					
1-19 employees	14					9	2		3												
20-99 employees	5			1	2		2														
100 employees and over	2			2																	
Greene:																					
1-19 employees	3	1				1	1														
Greensville:																					
1-19 employees	12	5				2			1					2	1	1					
20-99 employees	6	1		2		3															
100 employees and over	2							2													
Halifax:																					
1-19 employees	42	8			1	28			2					2	1						
20-99 employees	5		3			2															
100 employees and over	7		2	4									1								
Hampton city*:																					
1-19 employees	10	1				1			4	1				1		1		1			
20-99 employees	6	5				1															
Hanover:																					
1-19 employees	48	5				38	1		1	1				2							
20-99 employees	9	1			1	6				1											
Harrisonburg city*:																					
1-19 employees	9	1				1		1	2					3	1						
20-99 employees	8	6			1		1														
100 employees and over	2			1	1																
Henrico:																					
1-19 employees	29	4				13			4	1	1			3	1	1					1
20-99 employees	8					2		1	1	2				2							
100 employees and over	5					2			1					1							1
Henry:																					
1-19 employees	28	3		1		18	2		1					2			1				
20-99 employees	3			1			1												1		
100 employees and over	16			3	1	1	8			1				2							
Highland:																					
1-19 employees	7					7															
20-99 employees	2					1				1											

See footnote at end of table.

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
Hopewell city*:																					
1-19 employees	6	1						1	1					1	2						
20-99 employees	1			1																	
100 employees and over	6			1				3		2											
Isle of Wight:																					
1-19 employees	17	4				7	1		1					3					1		
20-99 employees	3	1				2															
100 employees and over	5	2				1		2													
James City:																					
1-19 employees	16	1				11			1					2		1					
20-99 employees	2					1								1							
King and Queen:																					
1-19 employees	23					23															
20-99 employees	2	1				1															
King George:																					
1-19 employees	9					9															
20-99 employees	2	1				1															
King William:																					
1-19 employees	9	2				5			1					1							
20-99 employees	2					1		1													
100 employees and over	1							1													
Lancaster:																					
1-19 employees	26	13				8			1					2					2		
20-99 employees	5	3				1				1											
Lee:																					
1-19 employees	14	2				4	2		1					5							
Loudoun:																					
1-19 employees	9	4				2			2					1							
20-99 employees	2	1			1																
Louisa:																					
1-19 employees	40	4				35								1							
20-99 employees	6				2	4															
Lunenburg:																					
1-19 employees	30	3				27															
20-99 employees	3					2				1											
100 employees and over	1												1								
Lynchburg city*:																					
1-19 employees	12	2						1	3	2			1	2			1				
20-99 employees	27	6	2		2	3	2	2	3	2			3		1		1				
100 employees and over	19	1		1	5			3	1	2			3		2				1		
Madison:																					
1-19 employees	11	2				7	1		1												
20-99 employees	3				1	1	1														
Martinsville city*:																					
1-19 employees	10	3		1	1		1		1	2				1							
20-99 employees	5			2				2	1												
100 employees and over	8			3	1	1	3														
Mathews:																					
1-19 employees	9	2				5								1					1		
20-99 employees	1					1															
Mecklenburg:																					
1-19 employees	34	7	1			18	1		3	1				2					1		
20-99 employees	3					3															
100 employees and over	6			2	1	2							1								
Middlesex:																					
1-19 employees	20	3				8			1					2					6		
20-99 employees	2	1				1															
Montgomery:																					
1-19 employees	29	13				8	1		3					4							
20-99 employees	3					2		1													
100 employees and over	4				2	1	1														
Nansemond:																					
1-19 employees	17	7				5								2			1		1		1
20-99 employees	15	3				9			1	1				1							
100 employees and over	1	1																			
Nelson:																					
1-19 employees	4	1				3															
20-99 employees	1					1															
100 employees and over	1									1											
New Kent:																					
1-19 employees	8					8															
20-99 employees	2					2															
Newport News city*:																					
1-19 employees	16	5			1		1		5					1		2					1
20-99 employees	7	3			1				1										2		
100 employees and over	5								2										2		1
Norfolk:																					
1-19 employees	19	3				7			1	2				4					2		
20-99 employees	21	5			3	3	1			8				1							
100 employees and over	9			1	1	1				4				1					1		
Norfolk city*:																					
1-19 employees	106	25	1		9	2	4		27	6	1			4	4	9	5	1	3		5
20-99 employees	52	18	1		1	2	3		2	7				1		5	4		8		
100 employees and over	26	10		1	1		1		1	2				1	1	1			6		1
Northampton:																					
1-19 employees	13	6				5			2												
20-99 employees	9	2				7															
100 employees and over	2	2																			
Northumberland:																					
1-19 employees	24	7				12			1					2					2		
20-99 employees	8	4								4											
100 employees and over	1									1											
Nottoway:																					
1-19 employees	27	4				18	1		2					2							
20-99 employees	7		2	1	1	2				1											
Orange:																					
1-19 employees	25	6				13			2					1			2				1
20-99 employees	4			3		1															
100 employees and over	3			2												1					

See footnote at end of table.

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
Page:																					
1-19 employees	14	8				3			2					1							
20-99 employees	9	4		1	3								1								
100 employees and over	2			1									1								
Patrick:																					
1-19 employees	28	2				26															
20-99 employees	3			1		2															
100 employees and over	1			1																	
Petersburg city*:																					
1-19 employees	19	3	2			1	1		5	1				2	1					1	2
20-99 employees	11	2	1		1	2	1		1				1			1					1
100 employees and over	9		2		2			1					1			1		1		1	
Pittsylvania:																					
1-19 employees	53	10		2		33			2					4	1						1
20-99 employees	11	5				6															
100 employees and over	1		1																		
Portsmouth city*:																					
1-19 employees	20	6			1	1	1	1	4		1			1	1				2		1
20-99 employees	15	4			1	4	1		1	2					2						
100 employees and over	5	1				2				1					1						
Powhatan:																					
1-19 employees	22	1				21															
20-99 employees	2					2															
Prince Edward:																					
1-19 employees	14	3				9	1		1												
20-99 employees	7	1	2		1	3															
100 employees and over	1												1								
Prince George:																					
1-19 employees	3	1				1														1	
20-99 employees	3					3															
Princess Anne:																					
1-19 employees	14	2				6	1		2					2					1		
20-99 employees	3	1				1								1							
Prince William:																					
1-19 employees	13	2				8			3												
20-99 employees	2									1				1							
Pulaski:																					
1-19 employees	15	4		1		6	1		2					1							
20-99 employees	7	1		2					1	2					1						
100 employees and over	9			4		1	2			1				1							
Radford city*:																					
1-19 employees	3	2																1			
20-99 employees	3			2					1												
100 employees and over	2			1											1						
Rappahannock:																					
1-19 employees	4	1				3															
Richmond:																					
1-19 employees	23	3			1	13	1		2	1				2							
20-99 employees	2	2																			
100 employees and over	1														1						
Richmond city*:																					
1-19 employees	175	33			6	2	4	1	67	15	1		4	8	4	9	7	1		3	10
20-99 employees	110	33	1	2	4	3	5	10	17	10			2	4	2	9	4				4
100 employees and over	51	8	10	1	7	1	1	8	4	1				1		7	1		1		
Roanoke:																					
1-19 employees	24	10				3	1		4	2	1			2							1
20-99 employees	13	4			2	2					1			2			2				
100 employees and over	8	2		2			2			1			1								
Roanoke city*:																					
1-19 employees	42	10			1	1	2		11	3			1	5	1	4	1			1	1
20-99 employees	37	11			2	2	2	1	2	3				4	2	4	1		2		1
100 employees and over	14	4		1	2	1	1		2						2	1					
Rockbridge:																					
1-19 employees	16	7				3			2					2	1		1				
20-99 employees	7			2		2				1			1	1							
100 employees and over	2			2																	
Rockingham:																					
1-19 employees	36	11				13	2		3	3				3			1				
20-99 employees	12	7			1		1		1								2				
100 employees and over	7	2		1	1		1			1			1								
Russell:																					
1-19 employees	5	2				2			1												
Scott:																					
1-19 employees	5	1				3			1												
20-99 employees	1					1															
100 employees and over	1				1																
Shenandoah:																					
1-19 employees	21	9		1		3			3					5							
20-99 employees	10	3		1	2				1	1				1			1				
100 employees and over	1	1																			
Smyth:																					
1-19 employees	19	4				9			1	1			2	2							
20-99 employees	4	1		1		2															
100 employees and over	7			2	1		1			1				1							1
Southampton:																					
1-19 employees	13	5				4		1	1					1			1				
20-99 employees	8					8															
100 employees and over	1							1													
South Norfolk city*:																					
1-19 employees	1								1												
20-99 employees	3					3															
100 employees and over	2					1										1					
Spotsylvania:																					
1-19 employees	39	2				32			1		1			2				1			
20-99 employees	3					2				1											
100 employees and over	2				1					1											
Stafford:																					
1-19 employees	19					19															

See footnote at end of table.

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
Staunton city*:																					
1-19 employees	14	6		1	1				3					2	1						
20-99 employees	5	2		1	1				1												
100 employees and over	2				1		1														
Suffolk city*:																					
1-19 employees	12	3			1	1		1	3					1					1		1
20-99 employees	9	2			1		1			2				1			2				
100 employees and over	2					2															
Surry:																					
1-19 employees	10	1				9															
20-99 employees	3					3															
Sussex:																					
1-19 employees	8	1				4			1					2							
20-99 employees	6					6															
100 employees and over	1					1															
Tazewell:																					
1-19 employees	25	7				5	1		3					8	1						
20-99 employees	13	2		2		5	2							1							1
100 employees and over	1					1															
Warren:																					
1-19 employees	9	6				1			1					1							
20-99 employees	6	1				1				2				2							
100 employees and over	2			1						1											
Warwick:																					
1-19 employees	19	4				6			1					5		1			2		
20-99 employees	3	2				1															
Washington:																					
1-19 employees	17	4				6			2	1				3							1
20-99 employees	10	1		1	2	2				1			2				1				
100 employees and over	3	1					1							1							
Westmoreland:																					
1-19 employees	30	9				18			1					1							1
20-99 employees	8	7				1															
Williamsburg city*:																					
1-19 employees	1								1												
Winchester city*:																					
1-19 employees	8	3				2	1		1			1									
20-99 employees	7	4		2					1												
100 employees and over	2	1		1																	
Wise:																					
1-19 employees	24	7				4			4		1			8							
20-99 employees	6	2			1	1					2										
100 employees and over	1										1										
Wythe:																					
1-19 employees	17	5				6			3					3							
20-99 employees	2			1		1															
100 employees and over	3			1	2																
York:																					
1-19 employees	8					7													1		
20-99 employees	5	4				1															

* Independent city.

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

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

No.	MAJOR INDUSTRY GROUP	All establishments		Establishments reporting employment by month											
				Number of employees											
	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	**$483,994**	**216,637**	**215,111**	**211,968**	**210,562**	**211,467**	**209,463**	**209,712**	**209,792**	**210,697**	**219,138**	**221,928**	**223,458**	**222,158**	**220,985**
20	Food and kindred products	42,800	21,555	20,882	20,782	18,942	19,434	18,699	19,529	19,802	20,187	25,477	25,379	22,414	20,547	19,395
21	Tobacco manufactures	33,240	16,687	16,685	18,184	17,265	16,397	15,507	15,245	14,711	14,551	15,644	17,406	18,940	18,777	17,594
22	Textile mill products	76,503	33,881	33,837	33,054	33,232	33,410	33,434	33,486	33,530	33,329	33,566	33,857	34,398	35,000	35,747
23	Apparel and related products	23,822	15,057	15,003	14,859	14,991	14,743	14,464	14,392	14,234	14,394	14,581	15,022	15,761	16,191	16,406
24	Lumber and products, exc. furniture	34,842	23,268	23,150	22,067	22,195	22,577	23,318	23,638	23,498	23,322	23,408	23,343	23,626	23,467	23,343
25	Furniture and fixtures	28,791	13,878	13,718	13,120	13,452	13,725	13,411	13,750	13,813	13,763	13,474	13,669	14,134	14,168	14,138
26	Paper and allied products	26,063	10,706	10,703	10,752	10,724	10,757	10,329	10,378	10,729	10,705	10,814	10,779	10,802	10,782	10,880
27	Printing and publishing industries	15,534	5,861	5,815	5,644	5,621	5,664	5,765	5,759	5,792	5,878	5,871	5,841	5,980	5,972	5,998
28	Chemicals and allied products	92,819	33,767	33,739	33,292	33,765	33,933	33,791	33,610	33,800	33,324	33,536	33,894	34,081	33,942	33,899
29	Petroleum and coal products	712	291	290	265	244	261	282	299	298	292	311	290	321	309	313
31	Leather and leather products	9,022	5,334	5,331	5,169	5,162	5,186	5,175	5,188	5,213	5,296	5,409	5,424	5,459	5,588	5,705
32	Stone, clay, and glass products	9,942	4,667	4,590	4,528	4,581	4,541	4,769	4,367	4,265	4,408	4,696	4,654	4,741	4,809	4,718
33	Primary metal industries	9,366	3,754	3,660	3,440	3,460	3,469	3,536	3,576	3,693	3,746	3,674	3,708	3,857	3,844	3,920
34	Fabricated metal products	15,221	5,792	5,768	5,750	5,809	5,810	5,852	5,699	5,853	5,934	6,068	5,816	5,730	5,635	5,453
35	Machinery (except electrical)	3,733	1,657	1,583	1,527	1,522	1,549	1,622	1,607	1,641	1,639	1,585	1,604	1,611	1,540	1,533
37	Transportation equipment	52,752	16,505	16,460	15,576	15,817	16,067	15,908	15,611	15,377	16,162	17,002	17,275	17,595	17,455	17,689
39	Miscellaneous manufactures	3,449	1,824	1,791	1,497	1,571	1,713	1,773	1,718	1,636	1,724	1,917	1,911	1,896	2,036	2,095
	All other major industry groups	4,483	2,153	2,106	2,462	2,209	2,231	2,028	1,860	1,907	2,043	2,105	2,056	2,112	2,096	2,159

TABLE 9.—DETAILED STATISTICS FOR THE STATE AND THE INDEPENDENT CITY OF RICHMOND: 1947

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

ITEM	Total for the State	Richmond city
ALL ESTABLISHMENTS		
Number of establishments	3,644	336
Number of employees (average for the year)	216,637	28,038
Salaries and wages, total	$483,994	$66,163
Value added by manufacture	$1,051,629	$205,130
Establishments by employment size group:		
1-4 employees	793	75
5-9 employees	821	53
10-19 employees	847	47
20-49 employees	568	74
50-99 employees	257	36
100-249 employees	208	31
250-499 employees	75	8
500-999 employees	45	7
1,000-2,499 employees	23	5
2,500 employees and over	7	----------
ESTABLISHMENTS REPORTING DETAILED STATISTICS		
Number of establishments	2,389	259
Number of employees (average for the year)	208,033	27,675
Salaries and wages, total	$473,925	$65,485
Value added by manufacture	$1,093,588	$203,865

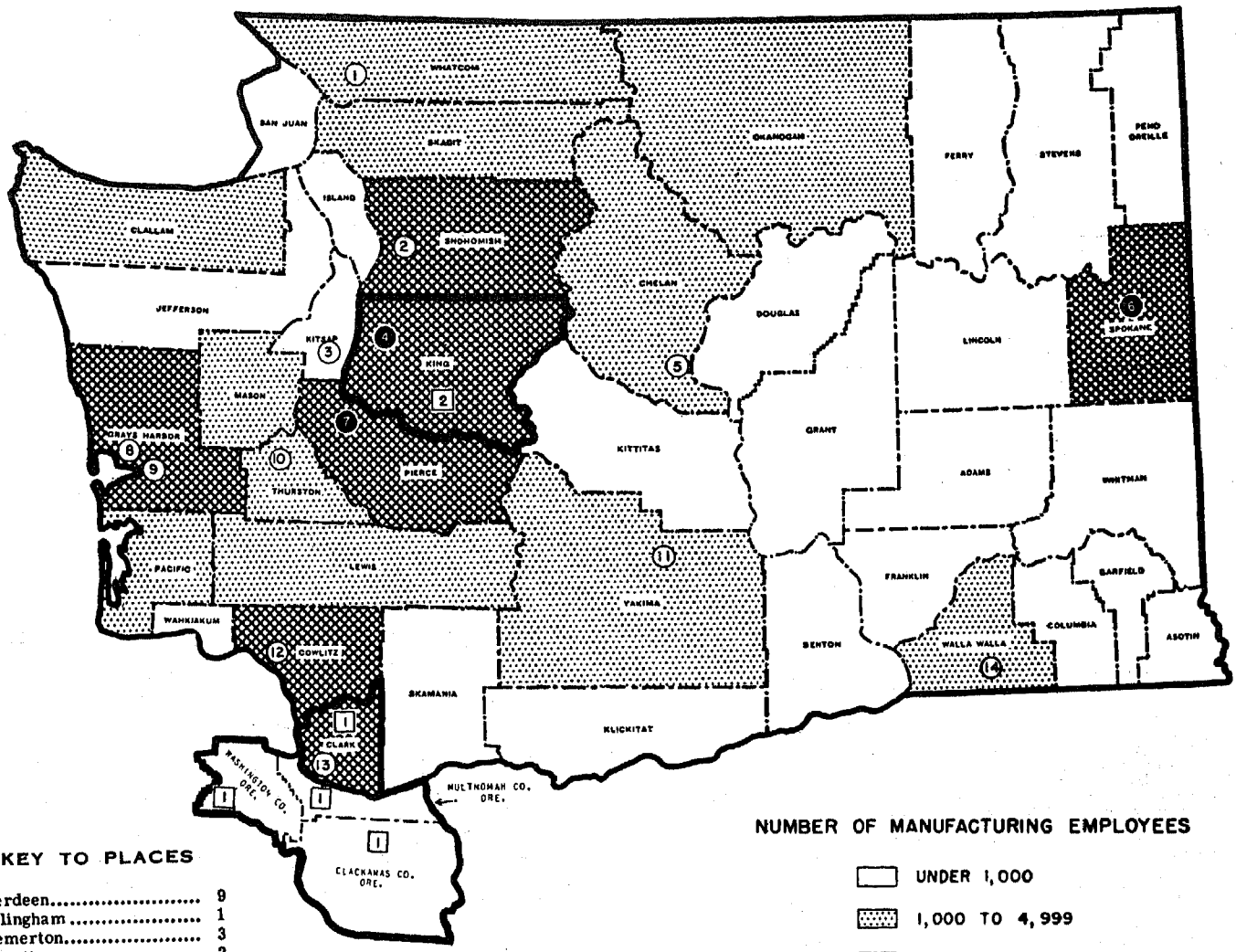
ITEM	Total for the State	Richmond city
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued		
Number of employees for pay period ended nearest Oct. 15:		
All employees	215,900	28,241
Male	152,586	17,341
Female	63,314	10,900
Production workers	188,988	24,207
Male	132,589	14,274
Female	56,399	9,933
Force-account construction workers	1,738	20
Administrative, supervisory, sales, and all other	25,174	4,014
Male	18,259	3,047
Female	6,915	967
Expenditures for plant and equipment:		
New plant and equipment	$112,383	$8,668
Construction and major alteration of fixed plants	33,902	2,462
Buildings	28,495	2,388
Other construction	5,407	74
Machinery and equipment	78,481	6,206
Production machinery and equipment	67,322	5,131
Other machinery and equipment	11,159	1,075
Used plant and equipment and land	7,754	471

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

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	6,358	1,967	3,147	1,117	41	35	51	40	167
Van	379	----------	182	155	2	8	32	----------	----------
Stake or platform	2,275	185	1,419	617	22	22	10	----------	----------
Panel or light delivery	1,807	1,417	390	----------	----------	----------	----------	----------	----------
All other	1,897	365	1,156	345	17	5	9	----------	----------
Truck tractors	600	12	107	385	65	16	15	----------	----------
Trailers and semitrailers	656	----------	----------	----------	----------	----------	----------	24	15

WASHINGTON

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Aberdeen	9
Bellingham	1
Bremerton	3
Everett	2
Hoquiam	8
Longview	12
Olympia	10
Seattle	4
Spokane	6
Tacoma	7
Vancouver	13
Walla Walla	14
Wenatchee	5
Yakima	11

NUMBER OF MANUFACTURING EMPLOYEES

- UNDER 1,000
- 1,000 TO 4,999
- 5,000 OR MORE
- PLACES OF 10,000 TO 99,999 POPULATION
- PLACES OF 100,000 OR MORE POPULATION
- STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES
- [1] PORTLAND AREA
- [2] SEATTLE 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	
WASHINGTON						
1947	3,410	144,324	$438,020	123,488	$354,596	$874,036
1939 [3]	2,858	99,119	142,565	82,261	108,220	267,716
1937	3,057	114,268	155,061	101,260	128,472	295,319
1935 [4]	2,840	91,059	106,560	79,589	83,970	201,179
1933	2,307	n.a.	n.a.	67,752	62,117	160,612
1931	2,897	n.a.	n.a.	71,014	83,917	195,086
1929	3,672	128,740	196,575	114,830	160,671	367,149
1927	3,344	n.a.	n.a.	104,468	145,931	288,029
1925	3,216	n.a.	n.a.	105,893	146,225	286,581
1923	3,029	n.a.	n.a.	111,663	156,435	306,499
1921	2,908	n.a.	n.a.	77,518	99,191	188,479
1919	4,356	144,331	222,482	131,241	192,473	361,907
1914	3,803	75,218	63,150	67,138	51,653	108,605
1909	3,674	76,854	59,593	69,120	49,766	102,859
1904	2,751	48,857	34,180	45,199	30,087	62,656
1899	1,926	33,626	19,129	31,523	17,065	32,554
PORTLAND METROPOLITAN AREA [Consists of Clark County, Washington; Clackamas, Multnomah, and Washington Counties, Oregon]						
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
SEATTLE METROPOLITAN AREA [Consists of King County, Washington]						
1947	1,221	54,770	$171,221	44,668	$129,910	$265,422
1939 [3]	1,137	27,734	42,682	23,581	32,971	83,804
1929 [5]	1,342	34,858	56,609	29,167	41,786	107,252
1919	1,405	n.a.	n.a.	47,474	72,842	141,883

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and the 1947 figures for the Portland and Seattle 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 $286.6 million for the State, $83.1 million for the Portland Metropolitan Area, and $85.8 million for the Seattle 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 $207.9 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

[5] The 1929 figures for the Portland and Seattle Metropolitan Areas 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 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	**1,736,191**	**3,410**	**144,324**	**$438,020**	**123,488**	**$354,596**	**$874,036**	**2,858**	**82,261**	**$267,716**
STANDARD METROPOLITAN AREAS										
Portland area	501,275	1,297	51,643	153,747	42,675	119,893	314,273	943	25,017	79,875
Portion in Washington	49,852	96	6,618	20,065	5,775	16,782	52,746	62	3,612	12,518
Portion in Oregon	451,423	1,201	45,025	133,682	36,900	103,111	261,527	881	21,405	67,357
Seattle area	504,980	1,221	54,770	171,221	44,668	129,910	265,422	1,137	23,581	83,804
COUNTIES										
Adams	6,209	6	47	(d)	33	(d)	(d)	3	30	(d)
Asotin	8,365	7	65	178	58	163	319	7	62	88
Benton	12,053	15	258	595	211	502	1,281	17	115	360
Chelan	34,412	55	1,548	4,176	1,322	3,547	7,382	54	978	2,203
Clallam	21,848	28	1,960	7,400	1,752	6,435	19,249	33	1,124	5,847
Clark	49,852	96	6,618	20,065	5,775	16,782	52,746	62	3,612	12,518
Columbia	5,549	5	475	(d)	436	(d)	(d)	7	142	(d)
Cowlitz	40,155	89	8,140	26,313	7,354	23,309	69,781	51	5,812	18,549
Douglas	8,651	4	12	(d)	10	(d)	(d)	6	7	(d)
Ferry	4,701	16	120	251	116	233	483	9	106	215

See footnote at end of table.

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

AREA, COUNTY, AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
COUNTIES—Con.										
Franklin	6,307	7	34	$95	24	$76	$193	4	13	$52
Garfield	3,383	3	125	(d)	117	(d)	(d)	5	10	(d)
Grant	14,068	12	63	172	52	146	245	6	17	52
Grays Harbor	53,166	128	7,465	23,201	6,854	20,154	48,463	98	5,463	15,962
Island	6,098	11	55	129	54	122	238	7	22	52
Jefferson	8,918	11	607	2,043	543	1,758	7,687	17	500	(d)
King	504,980	1,221	54,770	171,221	44,668	129,910	265,422	1,137	23,581	83,804
Kitsap	44,387	45	753	2,155	631	1,651	3,946	27	845	2,451
Kittitas	20,230	20	589	1,267	534	1,210	3,144	25	259	827
Klickitat	11,357	41	801	2,432	725	2,189	5,581	23	557	1,129
Lewis	41,393	131	2,440	6,566	2,226	5,889	12,365	75	1,294	2,633
Lincoln	11,361	12	267	763	230	655	1,211	10	88	208
Mason	11,603	26	1,273	3,885	1,165	3,407	8,627	19	645	2,579
Okanogan	24,540	36	1,057	2,891	960	2,505	4,425	25	1,025	2,143
Pacific	15,928	37	1,310	3,724	1,218	3,331	8,284	42	1,779	3,510
Pend Oreille	7,156	12	441	1,140	418	1,049	1,795	10	408	1,146
Pierce	182,081	351	16,896	51,013	14,797	42,539	106,426	298	12,234	37,416
San Juan	3,157	8	162	362	148	300	1,288	8	78	214
Skagit	37,650	92	3,002	8,868	2,764	7,930	18,951	68	1,627	6,104
Skamania	4,633	8	253	788	242	738	1,793	3	95	163
Snohomish	88,754	197	8,854	27,758	8,084	24,216	71,833	145	6,337	19,532
Spokane	164,652	267	10,924	31,128	8,703	23,602	71,995	243	5,295	18,882
Stevens	19,275	41	888	2,296	782	1,947	4,891	23	277	699
Thurston	37,285	71	2,493	7,565	2,223	6,311	14,908	42	2,342	7,719
Wahkiakum	4,286	6	20	(d)	18	(d)	(d)	8	241	(d)
Walla Walla	30,547	36	1,401	3,642	1,202	2,912	10,569	33	504	1,943
Whatcom	60,355	112	3,566	9,586	3,097	8,030	22,919	93	2,366	6,675
Whitman	27,221	15	106	250	90	206	592	18	62	264
Yakima	99,019	123	4,466	11,669	3,852	9,532	22,226	97	2,309	6,097
URBAN PLACES										
Aberdeen	18,846	40	1,925	6,430	1,726	5,477	13,802	38	2,096	6,438
Bellingham	29,314	63	2,527	7,446	2,142	6,111	19,276	52	1,387	3,839
Bremerton	15,134	14	192	586	128	354	967	14	62	275
Everett	30,224	62	3,714	12,550	3,310	10,681	35,660	63	2,635	9,573
Hoquiam	10,835	33	3,509	10,714	3,195	9,064	23,145	28	1,309	6,175
Longview	12,385	22	257	733	199	523	1,806	12	75	(d)
Olympia	13,254	31	1,671	4,916	1,509	4,188	8,555	23	1,644	4,570
Seattle	368,302	1,060	50,214	157,377	40,597	118,149	242,640	1,023	20,093	74,597
Spokane	122,001	218	6,532	18,993	4,885	13,324	35,953	210	4,057	15,299
Tacoma	109,408	269	12,903	40,385	11,131	32,138	83,916	238	8,546	25,575
Vancouver	18,788	44	2,419	(d)	2,131	(d)	(d)	36	1,318	(d)
Walla Walla	18,109	27	1,159	(d)	989	(d)	(d)	21	419	(d)
Wenatchee	11,620	24	692	1,781	536	1,393	3,351	24	346	906
Yakima	27,221	54	2,190	5,581	1,804	4,293	9,933	43	964	2,769

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									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	**3,410**	**144,324**	**$438,020**	**123,488**	**242,770**	**$354,596**	**$874,036**	**$81,476**	**$28,707**	**$52,769**	**2,858**	**82,261**	**$267,716**
20	Food and kindred products	752	26,144	69,270	21,396	43,048	52,040	148,904	15,988	5,133	10,855	939	13,779	53,741
22	Textile mill products	14	573	1,506	509	1,002	1,249	2,649	59	1	58	18	458	902
23	Apparel and related products	107	2,778	6,208	2,446	4,595	4,716	10,583	365	104	261	98	1,986	3,848
24	Lumber and products, except furniture	911	43,034	134,993	40,096	77,578	120,838	279,458	19,510	7,145	12,365	566	37,803	92,265
25	Furniture and fixtures	107	3,200	8,330	2,879	5,342	6,834	13,315	633	166	467	83	1,767	3,861
26	Paper and allied products	63	12,876	42,506	11,433	23,785	35,922	137,670	28,859	10,095	18,764	56	8,129	38,712
27	Printing and publishing industries	401	6,673	21,719	3,818	7,381	12,490	42,680	2,901	1,426	1,475	391	2,796	16,536
28	Chemicals and allied products	115	2,086	6,850	1,367	2,815	3,932	15,570	3,324	1,071	2,253	92	832	6,746
31	Leather and leather products	19	395	861	354	613	693	1,799	49	15	34	23	221	510
32	Stone, clay, and glass products	107	3,320	9,366	2,907	5,891	7,912	17,203	2,709	904	1,805	97	1,521	8,458
33	Primary metal industries	62	8,622	25,777	7,540	15,224	21,673	63,319	2,428	1,221	1,207	57	2,451	8,746
34	Fabricated metal products	198	4,663	14,724	3,877	7,563	11,571	26,719	1,138	311	827	114	2,066	7,638
35	Machinery (except electrical)	181	5,312	17,367	4,221	8,189	12,929	25,233	1,562	372	1,190	129	1,862	5,856
36	Electrical machinery	23	827	2,332	716	1,357	1,902	4,594	141	42	99	22	159	666
37	Transportation equipment	130	22,068	70,811	18,514	35,585	55,941	76,579	1,512	577	935	58	5,293	15,521
39	Miscellaneous manufactures	128	1,412	4,166	1,170	2,286	3,188	6,044	208	87	121	91	994	3,149
	All other major industry groups	32	341	1,144	245	516	766	1,717	90	37	53	24	144	561

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]	**3,410**	**2,361**	**775**	**274**	**144,324**	**$438,020**	**82,261**	**123,488**	**$354,596**	**$874,036**	**$81,476**
20	Food and kindred products	752	471	213	68	26,144	69,270	13,779	21,396	52,040	148,904	15,988
201	Meat products	104	69	30	5	3,348	9,632	1,406	2,718	7,590	17,421	1,257
2011	Meat packing, wholesale	62	46	11	5	2,468	7,298	1,235	1,977	5,689	13,092	1,076
2013	Prepared meats	27	15	12	----------	526	1,371	104	415	1,009	2,838	177
2015	Poultry dressing, wholesale	15	8	7	----------	354	963	67	326	892	1,491	4
202	Dairy products	65	50	15	----------	1,015	2,860	[2]1,038	691	1,983	6,437	1,363
2021	Creamery butter	27	20	7	----------	455	1,256	564	271	746	1,998	314
2023	Concentrated milk	9	5	4	----------	224	686	234	194	589	2,850	244
203	Canning, preserving, and freezing	178	72	72	34	10,391	22,372	5,409	9,573	19,281	47,934	4,734
2031	Canned sea food	48	22	24	2	1,707	3,867	799	1,596	3,286	9,891	457
2033	Canning and preserving, except fish	52	18	12	22	5,321	11,517	3,146	4,885	10,091	23,633	2,570
2035	Pickles and sauces	15	8	7	----------	340	719	110	317	639	1,835	206
2037	Frozen foods	42	13	20	9	2,399	4,895	624	2,190	4,047	10,200	1,327
204	Grain-mill products	70	50	15	5	2,366	8,091	1,290	1,785	6,037	21,183	1,587
2041	Flour and meal	17	6	7	4	1,575	5,887	850	1,150	4,340	16,253	1,209
205	Bakery products	131	81	38	12	4,039	11,464	[2]2,715	2,821	7,214	19,402	1,192
2051	Bread and other bakery products	122	79	35	8	3,339	9,851	2,272	2,258	6,117	15,837	1,021
2052	Biscuit, crackers, and pretzels	9	2	3	4	700	1,613	443	563	1,097	3,565	171
208	Beverages	94	73	15	6	2,159	7,559	751	1,521	4,872	20,624	3,834
2084	Wines and brandy	15	13	2	----------	144	440	88	103	279	1,223	58
2095	Flavorings	8	6	1	1	294	911	23	153	362	1,654	60
2097	Manufactured ice	25	15	10	----------	391	1,135	179	329	894	1,884	137
2099	Food preparations, n.e.c.	23	17	6	----------	419	1,190	91	290	648	2,650	512
21	Tobacco manufactures	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
22	Textile mill products	14	9	4	1	573	1,506	458	509	1,249	2,649	59
23	Apparel and related products	107	72	29	6	2,778	6,208	1,986	2,446	4,716	10,583	365
232	Men's and boys' furnishings	20	11	5	4	957	2,183	659	845	1,642	3,644	55
233	Women's and misses' outerwear	25	14	10	1	624	1,368	611	559	1,071	2,862	126
238	Miscellaneous apparel and accessories	8	3	5	----------	298	547	149	278	469	831	37
2382	Fabric and combination work gloves	3	----------	3	----------	163	278	(d)	156	237	432	23
239	Miscellaneous fabricated textiles	39	34	4	1	637	1,522	336	546	1,114	2,600	106
2394	Canvas products	15	13	2	----------	152	396	(d)	129	303	563	38
24	Lumber and products, except furniture	911	602	222	87	43,034	134,993	37,803	40,096	120,838	279,458	19,510
242	Lumber and timber basic products	721	508	161	52	28,857	88,173	28,752	27,074	79,859	189,946	15,091
243	Millwork and related products	131	60	39	32	12,388	41,857	7,285	11,395	36,598	81,076	3,887
2431	Millwork plants	97	53	33	11	5,462	16,930	2,749	4,999	14,607	31,351	1,531
2432	Plywood plants	21	----------	2	19	6,508	23,724	4,399	6,039	21,061	48,347	2,275
2433	Prefabricated wood products	13	7	4	2	418	1,203	137	357	930	1,378	81
244	Wooden containers	19	11	7	1	622	1,631	1,414	573	1,450	2,306	71
249	Miscellaneous wood products	40	23	15	2	1,167	3,332	532	1,054	2,931	6,130	461
2491	Wood preserving	15	5	10	----------	575	1,785	351	502	1,538	3,727	250
25	Furniture and fixtures	107	77	23	7	3,200	8,330	1,767	2,879	6,834	13,315	633
251	Household furniture	64	40	17	7	2,746	7,145	1,612	2,480	5,805	11,465	587
2511	Wood house furniture, except upholst.	33	21	9	3	1,529	3,838	1,138	1,402	3,160	6,328	376
2512	Household furniture, upholstered	23	14	6	3	953	2,546	291	850	2,045	3,816	116
2541	Partitions and fixtures	20	18	2	----------	176	577	109	160	509	795	24
256	Screens, shades, and blinds	15	13	2	----------	159	329	46	143	291	663	10
26	Paper and allied products	63	7	23	33	12,876	42,596	8,129	11,433	35,922	137,670	28,859
261	Pulp, paper, and paperboard	35	----------	8	27	10,170	35,347	6,987	9,044	29,949	125,827	27,669
2611	Pulp mills	20	----------	4	16	6,288	22,427	3,850	5,597	19,145	95,169	20,764
2612	Paper and board mills	15	----------	4	11	3,882	12,920	3,137	3,447	10,804	30,658	6,905
2671	Paperboard boxes	14	1	10	3	1,327	3,582	511	1,171	2,944	6,413	357
27	Printing and publishing industries	401	337	52	12	6,673	21,719	2,796	3,818	12,490	42,680	2,901
2711	Newspapers	149	123	15	11	4,147	13,617	1,470	2,035	6,978	29,014	(d)
2721	Periodicals	32	28	4	----------	261	813	81	67	149	1,608	12
2751	Commercial printing	156	134	21	1	1,564	4,756	826	1,209	3,604	7,685	387
2761	Lithographing	21	16	5	----------	274	995	(d)	213	704	1,861	77
279	Printing trades service industries	21	15	6	----------	256	1,051	155	181	743	1,615	46
2793	Photoengraving	10	6	4	----------	135	622	66	83	405	972	23
28	Chemicals and allied products	115	91	20	4	2,086	6,850	832	1,367	3,932	15,570	3,324
2826	Explosives	4	1	2	1	298	979	284	251	760	2,522	(d)
2851	Paints and varnishes	14	10	4	----------	327	1,145	71	181	528	2,195	395
288	Vegetable and animal oils	24	21	3	----------	271	840	52	224	671	3,120	288
289	Miscellaneous chemical products	34	28	6	----------	379	1,054	171	226	584	3,139	278
2896	Compressed and liquefied gases	9	6	3	----------	176	473	58	107	287	1,119	(d)
29	Petroleum and coal products	8	6	1	1	204	(d)	74	139	(d)	(d)	(d)
30	Rubber products	5	4	1	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
31	Leather and leather products	19	13	5	1	395	861	221	354	693	1,799	49
32	Stone, clay, and glass products	167	131	28	8	3,320	9,366	1,521	2,907	7,912	17,203	2,709
325	Structural clay products	19	8	10	1	631	1,741	487	577	1,532	2,681	373
327	Concrete and plaster products	108	95	12	1	1,072	2,918	375	928	2,434	5,103	771
329	Miscellaneous nonmetallic mineral products	13	9	3	1	500	1,270	59	416	998	3,201	(d)
33	Primary metal industries	62	28	23	11	8,622	25,777	2,451	7,540	21,673	63,319	2,428
332	Iron and steel foundries	27	12	13	2	1,079	3,286	476	986	2,778	4,717	167
3361	Nonferrous foundries	15	12	3	----------	164	470	(d)	145	381	644	14

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	198	141	46	11	4,663	$14,724	2,066	3,877	$11,571	$26,719	$1,138
342	Cutlery, hand tools, and hardware	16	13	1	2	382	1,168	95	304	867	1,703	125
343	Heating and plumbing equipment	29	17	9	3	1,081	3,508	342	842	2,548	6,454	225
3439	Heating and cooking apparatus, n.e.c.	23	12	8	3	1,013	3,292	305	787	2,398	6,202	202
344	Structural metal products	89	62	23	4	1,779	5,928	948	1,546	5,011	9,275	378
3441	Structural and ornamental products	23	19	3	1	375	1,092	490	330	950	1,766	55
3443	Boiler shop products	23	11	10	2	722	2,538	(d)	623	2,140	4,481	128
349	Miscellaneous fabricated metal products	18	14	4	----------	247	757	(d)	187	509	1,224	60
35	Machinery (except electrical)	181	139	33	9	5,312	17,367	1,862	4,221	12,929	25,233	1,562
352	Tractors and farm machinery	18	15	2	1	434	1,322	(d)	307	826	1,554	239
353	Construction and mining machinery	19	11	5	3	1,706	5,818	705	1,380	4,343	8,396	249
354	Metalworking machinery	15	14	----------	1	514	1,699	224	388	1,276	2,139	58
355	Special-industry machinery, n.e.c.	43	28	13	2	1,172	3,898	352	990	3,024	6,496	326
3551	Food-products machinery	8	5	3	----------	148	562	53	117	407	902	82
3553	Woodworking machinery	17	7	9	1	680	2,246	283	566	1,685	3,852	182
356	General industrial machinery	22	14	7	1	751	2,492	114	569	1,816	3,713	527
358	Service and household machines	13	12	1	----------	121	349	41	102	290	379	13
359	Miscellaneous machinery parts	47	41	5	1	597	1,744	349	471	1,319	2,469	148
3599	Machine shops	42	37	4	1	542	1,554	324	429	1,173	2,180	125
36	Electrical machinery	23	16	6	1	827	2,332	159	716	1,902	4,594	141
3616	Electrical control apparatus	4	1	3	----------	208	630	75	161	455	1,796	84
37	Transportation equipment	130	87	31	12	22,068	70,811	5,293	18,514	55,941	76,579	1,512
371	Motor vehicles and equipment	33	20	11	2	1,567	4,715	341	1,293	3,611	6,973	316
3732	Boat building and repairing	67	60	7	----------	619	1,812	n.a.	559	1,593	2,147	98
38	Instruments and related products	18	17	1	----------	96	(d)	41	73	(d)	(d)	(d)
39	Miscellaneous manufactures	128	112	14	2	1,412	4,166	994	1,170	3,188	6,044	208
394	Toys and sporting goods	33	30	3	----------	216	407	116	189	356	670	27
3953	Hand stamps and stencils	8	5	3	----------	100	264	39	66	165	374	21
399	Miscellaneous manufactures	61	53	7	1	842	2,686	688	681	1,950	3,624	138
3993	Signs and advertising displays	37	35	2	----------	336	1,241	177	267	950	1,627	84

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 SEATTLE 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	Expenditure for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	All industries, total [2]	**1,221**	**54,770**	**$171,221**	**44,668**	**$129,910**	**$265,422**	**$14,777**
20	Food and kindred products	218	8,113	23,750	6,160	16,309	45,566	4,163
201	Meat products	27	897	2,510	736	1,945	4,391	270
2011	Meat packing, wholesale	10	504	1,521	403	1,169	2,191	152
202	Dairy products	14	133	424	97	278	728	188
203	Canning, preserving, and freezing	41	1,778	4,663	1,602	3,884	8,790	1,075
2031	Canned sea food	14	720	2,110	660	1,728	4,424	241
2033	Canning and preserving, except fish	8	332	825	299	716	1,692	(d)
2037	Frozen foods	9	504	1,141	457	1,006	1,422	272
204	Grain-mill products	10	962	3,435	668	2,369	6,182	722
205	Bakery products	51	2,396	6,889	1,625	4,221	11,645	674
207	Confectionery and related products	24	557	1,316	470	916	2,715	102
208	Beverages	23	690	2,327	502	1,543	6,917	700
2081	Bottled soft drinks	13	190	646	93	282	1,387	163
209	Miscellaneous food preparations	28	700	2,186	450	1,153	4,198	432
2097	Manufactured ice	5	112	377	95	304	673	25
2099	Food preparations, n.e.c.	13	228	673	146	353	1,537	353
22	Textile mill products	9	172	(d)	139	(d)	(d)	(d)
23	Apparel and related products	94	2,293	5,269	1,999	3,958	8,520	206
2334	Dresses, dozen price	5	130	314	109	207	503	7
239	Miscellaneous fabricated textiles	34	593	1,446	509	1,051	2,524	86
2394	Canvas products	11	115	326	96	244	514	18
24	Lumber and products, except furniture	105	5,562	18,190	5,092	15,782	37,901	2,091
242	Lumber and timber basic products	53	3,477	11,325	3,232	9,840	23,071	1,533
243	Millwork and related products	32	1,569	5,369	1,411	4,676	12,120	391
2431	Millwork plants	25	554	1,696	462	1,337	2,481	96
244	Wooden containers	6	173	493	159	419	725	19
249	Miscellaneous wood products	14	343	1,003	290	847	1,985	148
2491	Wood preserving	6	198	678	167	583	1,472	123

See footnotes at end of table.

TABLE 5.—GENERAL STATISTICS FOR THE SEATTLE METROPOLITAN AREA,[1] BY INDUSTRY: 1 947—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
25	Furniture and fixtures	58	1,070	$2,867	937	$2,277	$4,444	$111
251	Household furniture	34	801	2,156	699	1,668	3,346	93
2511	Wood house furniture, except upholst	17	236	544	215	487	783	29
2512	Household furniture, upholstered	12	431	1,225	376	909	1,714	41
2515	Mattresses and bedsprings	5	134	387	108	272	849	23
256	Screens, shades, and blinds	8	116	248	103	216	494	6
26	Paper and allied products	17	775	2,154	660	1,637	4,859	392
27	Printing and publishing industries	169	3,225	11,729	1,942	7,024	22,830	1,832
2711	Newspapers	31	1,542	5,967	755	3,111	13,173	1,451
2721	Periodicals	24	203	688	35	83	1,441	4
2751	Commercial printing	75	941	3,043	752	2,400	4,681	246
2761	Lithographing	14	216	800	170	578	1,507	66
279	Printing trades service industries	10	189	810	144	588	1,252	39
28	Chemicals and allied products	62	1,032	3,520	608	1,715	6,988	1,863
2851	Paints and varnishes	9	233	876	142	400	1,614	382
288	Vegetable and animal oils	7	119	407	91	301	1,622	74
289	Miscellaneous chemical products	26	330	917	188	488	2,847	273
29	Petroleum and coal products	4	48	(d)	34	(d)	(d)	(d)
30	Rubber products	4	40	(d)	32	(d)	(d)	(d)
31	Leather and leather products	14	321	677	294	552	1,440	47
32	Stone, clay, and glass products	48	1,071	3,131	958	2,678	5,088	476
3251	Brick and hollow tile	3	126	436	117	375	545	18
3271	Concrete products	23	262	788	233	658	1,332	95
33	Primary metal industries	31	2,499	7,898	2,209	6,520	12,943	488
332	Iron and steel foundries	12	541	1,712	491	1,405	2,145	105
3321	Gray-iron foundries	8	360	1,119	331	941	1,334	73
3323	Steel foundries	4	181	593	160	464	811	32
3361	Nonferrous foundries	10	118	348	106	284	482	4
34	Fabricated metal products	129	3,574	11,440	2,926	8,811	21,351	905
342	Cutlery, hand tools, and hardware	13	374	1,151	299	853	1,676	115
343	Heating and plumbing equipment	23	897	2,931	690	2,126	5,645	187
3439	Heating and cooking apparatus, n.e.c	18	855	2,774	658	2,024	5,485	174
344	Structural metal products	44	1,174	4,018	1,003	3,320	6,611	284
3443	Boiler shop products	11	521	1,896	447	1,570	3,433	115
3444	Sheet-metal work	16	225	767	195	649	1,143	33
346	Metal stamping and coating	23	150	414	135	363	619	26
3489	Wirework, n.e.c	6	193	558	163	421	1,396	115
35	Machinery (except electrical)	104	3,248	10,939	2,689	8,088	16,860	524
3531	Construction and mining machinery	12	1,270	4,419	1,013	3,242	6,501	142
355	Special-industry machinery, n.e.c	27	649	2,132	538	1,578	3,873	223
3553	Woodworking machinery	9	501	1,658	415	1,203	2,920	155
356	General industrial machinery	15	521	1,760	407	1,280	3,080	73
3564	Blowers and fans	5	138	477	119	365	738	14
359	Miscellaneous machinery parts	25	182	601	155	477	932	36
3599	Machine shops	21	135	429	120	348	679	13
36	Electrical machinery	18	758	2,129	661	1,757	4,423	138
361	Electrical industrial apparatus	4	216	643	166	458	1,781	89
37	Transportation equipment	56	20,156	64,295	16,814	50,556	67,097	1,362
3713	Truck and bus bodies	7	197	558	180	495	776	103
3732	Boat building and repairing	26	394	1,198	347	1,024	1,351	40
38	Instruments and related products	15	82	226	59	148	352	4
39	Miscellaneous manufactures	66	731	2,260	565	1,611	3,409	98
394	Toys and sporting goods	17	145	285	125	242	434	26
399	Miscellaneous manufactures	27	423	1,475	312	966	2,155	48
3993	Signs and advertising displays	16	194	747	152	566	899	15

d Withheld to avoid disclosing figures for individual companies.

[1] The Seattle Metropolitan Area consists of King County, Washington. Industry statistics for the *Portland Metropolitan Area* (consisting of Clark County, Washington; and Clackamus, Multnomah, and Washington Counties, Oregon) are shown in table 5 for the State of *Oregon*.

[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

[Except for King County, this State contained no county with 20,000 or more manufacturing employees in 1947. *King County* is coextensive with the Seattle Metropolitan Area. Its industry statistics are shown, therefore, in *table 5*]

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	3,410	752	1	14	107	911	107	63	401	115	8	5	19	167	62	198	181	23	130	18	128
1-19 employees	2,361	471	1	9	72	602	77	7	337	91	6	4	13	131	28	141	139	16	87	17	112
20-99 employees	775	213		4	29	222	23	23	52	20	1	1	5	28	23	46	33	6	31	1	14
100 employees and over	274	68		1	6	87	7	33	12	4	1		1	8	11	11	9	1	12		2
Adams:																					
1-19 employees	5	1							2					1			1				
20-99 employees	1	1																			
Asotin:																					
1-19 employees	6	2				3			1												
20-99 employees	1	1																			
Benton:																					
1-19 employees	11	6				1			2					2							
20-99 employees	4	4																			
Chelan:																					
1-19 employees	37	15				6	1		4	4				3	1	1	1				1
20-99 employees	14	7				5			1					1							
100 employees and over	4	2				1			1												
Clallam:																					
1-19 employees	18	4				9			3					2							
20-99 employees	4					3			1												
100 employees and over	6					1		5													
Clark:																					
1-19 employees	58	12				23			9	1				7			2				4
20-99 employees	26	3				15		2	1						2	1	1		1		
100 employees and over	12	3		1	1	2		4							1						
Columbia:																					
1-19 employees	4					1			1					2							
100 employees and over	1	1																			
Cowlitz:																					
1-19 employees	68	11				44	2	1	4	2				1	1	1			1		
20-99 employees	12					9		2	1						1						
100 employees and over	9					3		5													
Douglas:																					
1-19 employees	4	1							2					1							
Ferry:																					
1-19 employees	14	1				13															
20-99 employees	2					2															
Franklin:																					
1-19 employees	7	2			1				1					2					1		
Garfield:																					
1-19 employees	2					1			1												
100 employees and over	1	1																			
Grant:																					
1-19 employees	12	1				1			3	1				5		1					
Grays Harbor:																					
1-19 employees	77	11				40	3		5	3				2		4	1		5		3
20-99 employees	33	9				17	2		2						1		1		1		
100 employees and over	18					14	1	2													1
Island:																					
1-19 employees	11					7			1					2					1		
Jefferson:																					
1-19 employees	7	1				5			1												
20-99 employees	2					1		1													
100 employees and over	2							2													
King:																					
1-19 employees	838	124		6	63	61	44	6	140	48	3	3	9	34	15	89	79	12	32	14	56
20-99 employees	303	74		3	27	31	12	8	25	13	1	1	4	10	12	29	20	5	17	1	10
100 employees and over	80	20			4	13	2	3	4	1			1	4	4	11	5	1	7		
Kitsap:																					
1-19 employees	39	8				15			6					2	1	3	1		1		2
20-99 employees	3	2				1													1		
100 employees and over	3					1			1												
Kittitas:																					
1-19 employees	22	5				10			2					3	1		1				
20-99 employees	6	2				3			1												
100 employees and over	1	1																			
Klickitat:																					
1-19 employees	32	3				25			3	1											
20-99 employees	7	1				6															
100 employees and over	2					2															
Lewis:																					
1-19 employees	99	18		1		65	1		4				2	4	1	2	1				
20-99 employees	30	5			1	21			2					1							
100 employees and over	2					2															
Lincoln:																					
1-19 employees	10	4				2			3								1				
20-99 employees	1					1															
100 employees and over	1					1															
Mason:																					
1-19 employees	19	5				11			2					1							
20-99 employees	4	1				1		2													
100 employees and over	3					2		1													
Okanogan:																					
1-19 employees	30	7				15			4					4							
20-99 employees	4	1				3															
100 employees and over	2					2															
Pacific:																					
1-19 employees	24	11				7			4								1		1		
20-99 employees	10	3				7															
100 employees and over	3					3															
Pend Oreille:																					
1-19 employees	8	1				5			2												
20-99 employees	2					2								1							
100 employees and over	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
Pierce:																					
1–19 employees	217	41	1	2	2	38	11		28	12	2		1	17	1	12	14	3	14	2	16
20–99 employees	94	24		1	1	23	7	5	5	2			1	2	5	6	5	1	6		
100 employees and over	40	8			1	15	3	3	2	3					3				1		1
San Juan:																					
1–19 employees	5	2				1			1										1		
20–99 employees	3	1												1					1		
Skagit:																					
1–19 employees	58	17				24			7	2				1	1		2		4		
20–99 employees	25	12				10			2							1					
100 employees and over	9	2				4		1						1			1				
Skamania:																					
1–19 employees	4					1			1					1					1		
20–99 employees	3					3															
100 employees and over	1					1															
Snohomish:																					
1–19 employees	145	27				65	2		16	3				11	1	6	3		6		5
20–99 employees	34	9				19		1	1					1		1			1		1
100 employees and over	18	2				11		3									1		1		
Spokane:																					
1–19 employees	182	43			4	19	7		36	7	1	1	1	10	1	11	18		7	1	15
20–99 employees	62	15				17	1	1	5	2				6	2	4	3		4		2
100 employees and over	23	11				3		2	2		1				2		1		1		
Stevens:																					
1–19 employees	33	5				25			3												
20–99 employees	7	1				4								2							
100 employees and over	1													1							
Thurston:																					
1–19 employees	53	14				25			3					1	1		3		4		2
20–99 employees	14	1				8			1	1				1		1	1				
100 employees and over	4	2				1	1														
Wahkiakum:																					
1–19 employees	6	1				2			1										2		
Walla Walla:																					
1–19 employees	24	9			1	4	1		3	1				1		3					1
20–99 employees	7	5												1		1					
100 employees and over	5	4							1												
Whatcom:																					
1–19 employees	77	18				21	2		11	4				5	2	4	2	1	4		3
20–99 employees	26	13				6		1	3						1	1	1				
100 employees and over	9	2				3		2						1					1		
Whitman:																					
1–19 employees	12	5							5							1	1				
20–99 employees	3	1				1											1				
Yakima:																					
1–19 employees	83	35			1	7	3		12	2				6	1	3	7		2		4
20–99 employees	28	17				3	1		1	2				2		1					1
100 employees and over	12	9				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	**$438,020**	**144,324**	**142,431**	**132,314**	**132,951**	**134,737**	**138,553**	**140,678**	**148,526**	**145,234**	**151,037**	**153,699**	**147,210**	**143,191**	**141,042**
20	Food and kindred products	69,270	26,144	25,715	21,383	19,184	19,079	20,886	22,988	30,937	29,660	35,032	37,619	28,989	22,363	20,458
22	Textile mill products	1,506	573	573	581	569	559	559	556	553	568	556	564	570	612	624
23	Apparel and related products	6,208	2,778	2,653	2,637	2,609	2,628	2,644	2,550	2,507	2,477	2,541	2,650	2,872	2,893	2,828
24	Lumber and products, exc. furniture	134,993	43,034	42,913	37,788	39,277	41,509	43,379	44,029	44,177	43,365	44,177	44,143	44,798	44,535	43,795
25	Furniture and fixtures	8,330	3,200	3,057	3,084	3,034	2,896	2,905	2,833	2,892	2,898	3,056	3,190	3,210	3,365	3,326
26	Paper and allied products	42,596	12,876	12,877	12,073	12,086	12,278	12,501	12,793	12,958	13,082	13,304	13,264	13,383	13,362	13,439
27	Printing and publishing industries	21,719	6,673	6,601	6,450	6,501	6,531	6,593	6,640	6,639	6,660	6,680	6,517	6,584	6,678	6,735
28	Chemicals and allied products	6,850	2,086	2,048	1,911	1,928	2,016	2,038	2,035	2,059	2,156	2,162	2,100	2,074	2,060	2,036
31	Leather and leather products	861	395	391	426	371	362	371	376	378	399	402	448	396	386	371
32	Stone, clay, and glass products	9,366	3,320	3,259	2,916	2,981	3,154	3,284	3,430	3,411	3,414	3,397	3,401	3,408	3,252	3,061
33	Primary metal industries	25,777	8,622	8,547	9,145	9,068	8,985	9,188	8,514	8,207	7,920	7,978	8,077	8,370	8,471	8,641
34	Fabricated metal products	14,724	4,663	4,425	4,458	4,604	4,573	4,211	4,094	4,336	4,338	4,602	4,672	4,595	4,402	4,215
35	Machinery (except electrical)	17,367	5,312	5,108	5,173	5,281	5,349	5,335	5,273	5,217	5,137	5,054	5,035	4,769	4,795	4,883
36	Electrical machinery	2,332	827	794	687	598	663	795	759	788	818	909	901	886	883	841
37	Transportation equipment	70,811	22,068	21,903	21,930	23,166	22,504	22,229	22,204	21,981	20,845	19,693	19,599	20,761	23,622	24,296
39	Miscellaneous manufactures	4,166	1,412	1,270	1,383	1,404	1,362	1,348	1,325	1,211	1,201	1,190	1,211	1,228	1,202	1,179
	All other major industry groups	1,144	341	297	289	290	289	287	279	275	296	304	308	317	310	314

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

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

ITEM	Total for the State	Seattle Metropolitan Area [2]
ALL ESTABLISHMENTS		
Number of establishments	3,410	1,221
Number of employees (average for the year)	144,324	54,770
Salaries and wages, total	$438,020	$171,221
Value added by manufacture	$874,036	$265,422
Establishments by employment size group:		
1-4 employees	1,141	425
5-9 employees	689	213
10-19 employees	531	200
20-49 employees	562	229
50-99 employees	213	74
100-249 employees	167	53
250-499 employees	67	13
500-999 employees	30	10
1,000-2,499 employees	9	3
2,500 employees and over	1	1
ESTABLISHMENTS REPORTING DETAILED STATISTICS		
Number of establishments	2,334	888
Number of employees (average for the year)	138,838	53,373
Salaries and wages, total	$424,512	$167,941
Value added by manufacture	$847,991	$259,900
ESTABLISHMENTS REPORTING DETAILED STATISTICS —Continued		
Number of employees for pay period ended nearest Oct. 15:		
All employees	143,377	52,776
Male	120,393	43,328
Female	22,984	9,448
Production workers	122,676	42,987
Male	105,642	36,586
Female	17,034	6,401
Force-account construction workers	310	69
Administrative, supervisory, sales, and all other	20,391	9,720
Male	14,443	6,673
Female	5,948	3,047
Expenditures for plant and equipment:		
New plant and equipment	$81,476	$14,777
Construction and major alteration of fixed plants	28,707	5,488
Buildings	22,852	4,478
Other construction	5,855	1,010
Machinery and equipment	52,769	9,289
Production machinery and equipment	45,839	7,332
Other machinery and equipment	6,930	1,957
Used plant and equipment and land	12,971	3,688

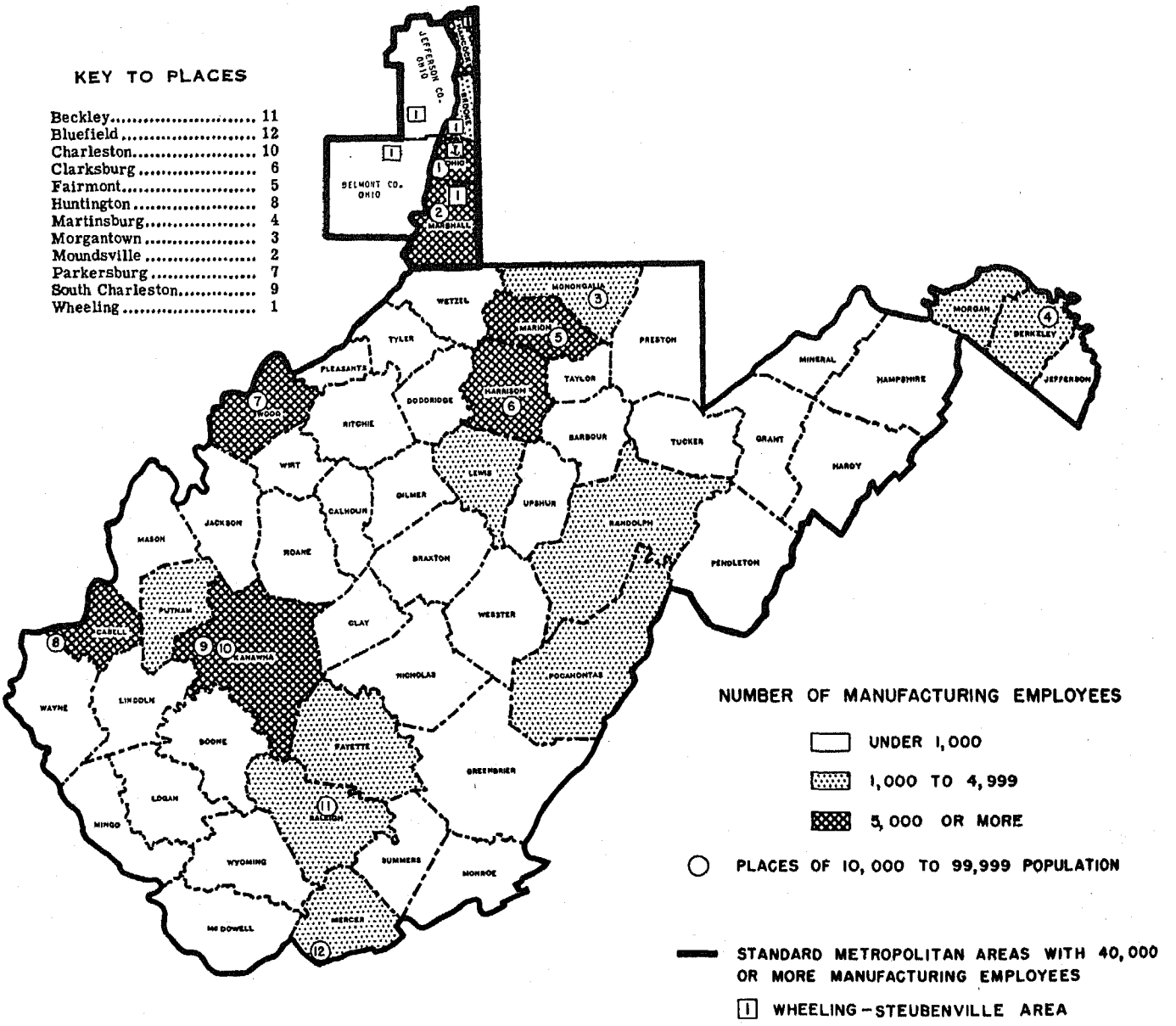
[1] Detailed statistics for the *Portland Metropolitan Area* are shown in table 9 for the State of *Oregon*.
[2] *King County*, a principal industrial county, is coextensive with the Seattle Metropolitan Area.

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 1¼ 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	4,976	1,756	1,903	931	136	97	153	86	53
Van	500		245	199	18	14	24		
Stake or platform	1,382	162	710	418	45	30	17		
Panel or light delivery	1,775	1,347	428						
All other	1,319	247	520	314	73	53	112		
Truck tractors	345	15	33	87	52	38	120		
Trailers and semitrailers	379							26	5

WEST VIRGINIA

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 WHEELING–STEUBENVILLE 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	
WEST VIRGINIA						
1947	1,602	127,353	$337,869	108,984	$268,469	$663,903
1939 [3]	1,094	87,741	113,660	74,411	87,760	213,284
1937	1,057	91,525	120,806	83,464	102,511	222,774
1935 [4]	1,027	80,860	91,142	74,180	76,650	167,754
1933	887	n.a.	n.a.	67,950	60,400	134,375
1931	1,125	n.a.	n.a.	64,702	73,916	162,866
1929	1,488	93,565	136,291	85,326	115,295	251,615
1927	1,313	n.a.	n.a.	77,630	103,431	202,332
1925	1,395	n.a.	n.a.	80,700	105,892	209,941
1923	1,487	n.a.	n.a.	85,661	109,937	220,359
1921	1,550	n.a.	n.a.	60,536	78,549	139,547
1919	2,627	90,651	118,898	82,615	101,310	199,568
1914	2,715	76,670	51,308	70,974	43,720	83,334
1909	2,586	68,864	38,710	63,893	33,000	69,072
1904	2,109	46,650	24,052	43,758	21,153	44,621
1899	1,824	34,824	14,159	33,080	12,640	29,779
WHEELING-STEUBENVILLE METROPOLITAN AREA [Consists of Brooke, Hancock, Marshall, and Ohio Counties, West Virginia; Belmont and Jefferson Counties, Ohio]						
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

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and the 1947 figures for the Wheeling-Steubenville 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 $214.8 million for the State and $101.1 million for the Wheeling-Steubenville 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 $173.1 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] The 1929 figures for the Wheeling–Steubenville 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 WHEELING–STEUBENVILLE 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	**1,901,974**	**1,602**	**127,353**	**$337,869**	**108,984**	**$268,469**	**$663,903**	**1,094**	**74,411**	**$213,284**
STANDARD METROPOLITAN AREA										
Wheeling-Steubenville area, total	364,132	343	51,751	147,020	46,484	125,513	259,509	304	41,228	100,873
Portion in West Virginia	170,389	201	36,968	104,540	33,168	88,078	186,820	196	28,511	68,288
Portion in Ohio	193,743	142	14,783	42,480	13,316	37,435	72,689	108	12,717	32,585
COUNTIES										
Barbour	19,869	23	125	153	116	138	314	11	86	139
Berkeley	29,016	31	4,188	7,844	3,843	6,974	13,181	27	3,197	5,851
Boone	28,556	11	277	571	260	530	906	3	176	(d)
Braxton	21,658	6	(d)	(d)	(d)	(d)	(d)	5	(d)	(d)
Brooke	25,513	31	4,674	13,216	4,174	11,137	24,217	25	3,591	(d)
Cabell	97,459	134	12,106	30,332	10,189	22,926	56,103	96	5,693	21,084
Calhoun	12,455	6	(d)	(d)	(d)	(d)	(d)	----	----	----
Clay	15,206	12	232	382	224	364	567	5	101	(d)
Doddridge	10,923	9	63	82	63	82	158	----	----	----
Fayette	80,628	33	2,848	(d)	2,559	(d)	(d)	19	987	(d)
Gilmer	12,046	11	81	110	75	106	108	1	(d)	(d)
Grant	8,805	10	124	203	115	186	333	8	83	(d)
Greenbrier	38,520	26	920	2,081	845	1,773	3,590	19	532	(d)
Hampshire	12,974	11	225	(d)	205	(d)	(d)	9	133	(d)
Hancock	31,572	31	17,580	53,459	16,147	46,564	92,471	38	13,992	(d)
Hardy	10,813	8	208	293	196	265	607	32	268	674
Harrison	82,911	63	7,186	19,817	6,390	16,989	36,335	51	4,084	11,074
Jackson	16,598	8	120	186	114	165	265	9	54	74
Jefferson	16,762	21	798	1,918	713	1,491	3,485	20	435	1,177
Kanawha	195,619	163	23,073	74,492	16,843	50,292	178,158	91	8,958	49,542
Lewis	22,271	24	1,316	2,825	1,240	2,448	4,270	13	802	1,240
Lincoln	22,886	7	48	54	46	54	122	----	----	----
Logan	67,768	33	511	1,083	395	688	1,858	17	395	738
McDowell	94,354	32	498	854	423	659	1,707	23	466	1,043
Marion	68,683	52	6,685	16,797	5,871	14,285	35,037	30	1,889	7,036

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE WHEELING-STEUBENVILLE 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										
Marshall	40,189	33	5,683	$14,769	5,124	$12,429	$29,164	32	4,451	(d)
Mason	22,270	13	602	1,280	517	930	1,431	10	553	$936
Mercer	68,289	65	1,582	3,510	1,292	2,524	5,892	30	609	1,896
Mineral	22,215	14	206	328	189	293	489	11	105	171
Mingo	40,802	21	427	807	342	589	1,330	10	182	453
Monongalia	51,252	54	2,394	5,107	2,185	4,322	9,281	41	1,115	2,052
Monroe	13,577	10	68	83	64	76	131	4	22	26
Morgan	8,743	21	1,000	2,029	814	1,518	3,182	23	451	985
Nicholas	24,070	22	796	1,590	681	1,310	2,219	13	1,387	(d)
Ohio	73,115	106	9,031	23,096	7,723	17,948	40,968	101	6,477	16,390
Pendleton	10,884	14	271	376	261	364	709	10	110	118
Pleasants	6,692	5	206	(d)	182	(d)	(d)	5	200	(d)
Pocahontas	13,906	19	1,091	2,311	1,019	2,032	4,305	8	669	(d)
Preston	30,416	39	744	1,410	707	1,288	2,436	23	282	563
Putnam	19,511	14	2,493	7,627	1,935	5,589	22,642	6	659	(d)
Raleigh	86,687	49	1,098	2,448	875	1,676	4,380	31	373	1,001
Randolph	30,259	40	1,053	1,888	955	1,584	4,140	18	656	1,224
Ritchie	15,389	19	336	616	322	590	879	10	118	177
Roane	20,787	11	122	181	104	135	294	7	19	75
Summers	20,409	16	155	230	142	201	543	7	67	113
Taylor	19,919	16	763	1,713	699	1,527	2,375	7	311	567
Tucker	13,173	10	305	(d)	284	(d)	(d)	6	274	(d)
Tyler	12,559	14	914	1,848	858	1,669	2,737	6	482	612
Upshur	18,360	23	276	350	264	314	781	13	129	139
Wayne	35,566	30	880	1,778	788	1,494	3,084	17	560	1,218
Webster	18,080	8	137	239	118	203	476	2	(d)	(d)
Wetzel	22,342	17	868	1,584	816	1,394	2,310	21	674	1,373
Wirt	6,475	2	(d)	(d)	(d)	(d)	(d)			
Wood	62,399	74	9,434	23,245	8,161	19,005	42,277	61	6,911	17,568
Wyoming	29,774	27	478	890	468	847	1,823	9	366	545
URBAN PLACES										
Beckley	12,852	18	478	1,219	346	736	2,402	12	191	682
Bluefield [1]	20,641	22	943	2,382	697	1,526	4,070	20	425	1,493
Charleston	67,914	77	2,426	6,891	1,553	3,856	12,191	56	1,443	5,958
Clarksburg	30,579	43	3,883	10,182	3,401	8,449	17,141	38	2,418	6,601
Fairmont	23,105	33	6,355	16,068	5,576	13,692	33,920	24	1,558	6,245
Huntington	78,836	125	9,896	(d)	8,430	(d)	(d)	92	4,617	(d)
Martinsburg	15,063	20	3,484	6,387	3,183	5,654	10,135	17	2,560	4,116
Morgantown	16,655	32	1,475	2,949	1,339	2,493	4,478	28	934	1,634
Moundsville	14,168	14	1,997	4,880	1,772	3,938	11,662	17	1,301	3,219
Parkersburg	30,103	51	6,178	15,320	5,211	12,313	30,171	39	1,317	3,256
South Charleston	10,377	13	8,212	(d)	4,824	(d)	(d)	5	2,094	(d)
Wheeling	61,099	104	(d)	(d)	(d)	(d)	(d)	101	(d)	(d)

[d] Withheld to avoid disclosing figures for individual companies.
[1] General statistics for Bluefield town in Tazewell County, Virginia, 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	**1,602**	**127,353**	**$337,869**	**108,984**	**215,639**	**$268,469**	**$663,903**	**$82,332**	**$27,364**	**$54,968**	**1,094**	**74,411**	**$213,284**
20	Food and kindred products	291	6,275	14,973	4,370	9,709	8,648	31,027	4,004	1,048	2,956	318	3,215	12,338
22	Textile mill products	15	3,917	8,078	3,554	6,835	6,648	14,531	1,264	638	626	14	3,293	6,258
23	Apparel and related products	27	3,800	5,202	3,622	6,398	4,721	8,562	113	1	112	16	2,023	2,135
24	Lumber and products, except furniture	484	7,979	14,188	7,564	16,645	12,862	22,497	1,202	276	926	221	6,027	8,933
25	Furniture and fixtures	27	884	1,778	805	1,634	1,458	3,103	278	78	200	10	259	898
26	Paper and allied products	20	1,565	3,558	1,408	2,802	2,762	7,926	688	95	593	16	1,352	3,698
27	Printing and publishing industries	185	3,008	7,360	1,682	3,458	4,122	13,939	591	244	347	147	1,296	6,606
28	Chemicals and allied products	47	20,631	68,371	14,719	29,288	45,461	175,898	33,545	10,781	22,764	41	8,746	46,908
29	Petroleum and coal products	32	2,393	7,586	2,077	4,250	6,302	18,614	(d)	(d)	(d)	18	1,295	4,752
30	Rubber products	4	140	244	129	245	212	321	(d)	(d)	(d)	1	(d)	(d)
31	Leather and leather products	11	1,759	3,606	1,653	3,241	3,199	7,492	127	58	69	11	1,574	3,193
32	Stone, clay, and glass products	237	30,270	78,121	27,624	53,623	67,745	134,629	8,996	3,319	5,677	140	18,352	45,948
33	Primary metal industries	36	21,731	68,139	19,384	37,717	57,740	123,665	12,625	1,927	10,698	31	16,122	47,940
34	Fabricated metal products	48	10,556	25,984	9,434	17,759	21,341	46,082	2,515	535	1,980	38	6,505	13,680
35	Machinery (except electrical)	58	3,170	8,497	2,631	5,551	6,398	14,996	1,158	573	585	30	1,155	2,927
36	Electrical machinery	17	4,675	11,915	4,218	8,440	10,242	24,517	1,288	303	985	10	559	2,305
38	Instruments and related products	8	80	168	78	196	162	296	1		1	3	(d)	(d)
39	Miscellaneous manufactures	37	1,418	2,827	1,327	2,561	2,515	3,759	512	10	502	18	1,093	2,009
	All other major industry groups	18	3,102	7,274	2,705	5,287	5,931	12,049	(d)	(d)	(d)	11	1,529	3,007

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

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

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

No.	Industry: Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	Salaries and wages, total	Production workers: Number (average for the year) 1939	1947	Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
	All industries, total [1]	**1,602**	**1,044**	**356**	**202**	**127,353**	**$337,869**	**74,411**	**108,984**	**$238,469**	**$663,903**	**$82,332**
20	Food and kindred products	291	209	74	8	6,275	14,973	3,215	4,370	8,648	31,027	4,004
201	Meat products	27	17	9	1	671	1,566	389	550	1,138	2,219	264
2011	Meat packing, wholesale	19	13	6	----	395	1,073	128	293	722	1,471	237
202	Dairy products	15	6	9	----	460	1,028	[2] 172	358	720	4,486	381
205	Bakery products	80	47	28	5	2,595	7,055	[2] 1,685	1,637	3,561	13,282	1,544
208	Beverages	92	73	19	----	1,286	3,022	275	752	1,481	6,874	1,004
2097	Manufactured ice	28	26	2	----	245	514	111	162	330	925	125
2099	Food preparations, n.e.c.	11	9	1	1	304	472	(d)	285	425	631	(d)
21	Tobacco manufactures	9	5	----	4	1,072	(d)	883	1,006	(d)	(d)	(d)
22	Textile mill products	15	2	7	6	3,917	8,078	3,293	3,554	6,648	14,531	1,264
221	Woolen and worsted manufactures	5	1	2	2	1,128	2,405	956	1,080	2,186	4,081	212
23	Apparel and related products	27	3	9	15	3,800	5,202	2,023	3,622	4,721	8,562	113
232	Men's and boys' furnishings	9	----	2	7	1,315	1,567	862	1,273	1,437	2,552	31
2329	Men's and boys' clothing, n.e.c.	4	----	1	3	541	677	287	524	619	1,340	1
236	Children's outerwear	3	----	2	1	237	285	----	230	247	386	12
24	Lumber and products, except furniture	484	385	90	9	7,979	14,188	6,027	7,564	12,862	22,497	1,202
242	Lumber and timber basic products	447	362	78	7	6,955	12,210	5,282	6,639	11,148	19,708	1,089
2421	Sawmills and planing mills, general	436	356	74	6	6,664	11,665	5,060	6,364	10,692	18,[illegible]7	996
2431	Millwork plants	14	11	3	----	178	333	170	143	238	510	77
2499	Wood products, n.e.c.	6	2	3	1	319	509	268	300	487	817	17
25	Furniture and fixtures	27	17	8	2	884	1,778	259	805	1,458	3,103	278
251	Household furniture	19	11	6	2	769	1,597	(d)	697	1,297	2,819	213
2515	Mattresses and bedsprings	9	7	2	----	147	273	----	133	215	611	20
26	Paper and allied products	20	2	12	6	1,565	3,558	1,352	1,408	2,762	7,926	688
2671	Paperboard boxes	10	1	6	3	734	1,459	615	659	1,179	3,266	288
27	Printing and publishing industries	185	154	24	7	3,008	7,360	1,296	1,682	4,122	13,939	591
2711	Newspapers	93	75	11	7	2,137	5,258	835	1,021	2,618	10,753	225
2751	Commercial printing	80	70	10	----	760	1,808	382	581	1,276	2,691	322
28	Chemicals and allied products	47	22	9	16	20,631	68,371	8,746	14,719	45,461	175,898	33,545
281	Industrial inorganic chemicals	7	4	----	3	1,801	6,203	809	1,402	4,588	15,300	(d)
282	Industrial organic chemicals	16	2	4	10	18,247	60,793	7,284	12,884	39,984	157,193	29,971
289	Miscellaneous chemical products	11	7	3	1	245	571	263	160	347	1,178	147
29	Petroleum and coal products	32	15	9	8	2,393	7,586	1,295	2,077	6,302	18,614	(d)
293	Coke and byproducts	13	3	5	5	1,593	5,102	824	1,444	4,455	11,216	(d)
2931	Beehive coke ovens	8	3	5	----	254	784	(d)	241	732	1,666	20
2932	Byproduct coke ovens	5	----	----	5	1,339	4,318	(d)	1,203	3,723	9,550	(d)
295	Paving and roofing materials	13	12	1	----	106	292	26	79	193	896	109
30	Rubber products	4	1	3	----	140	244	(d)	129	212	321	(d)
3099	Rubber industries, n.e.c.	4	1	3	----	140	244	(d)	129	212	321	(d)
31	Leather and leather products	11	----	4	7	1,759	3,606	1,574	1,653	3,199	7,492	127
3111	Leather tanning and finishing	7	----	2	5	1,136	2,574	897	1,073	2,309	6,126	104
32	Stone, clay, and glass products	237	132	52	53	30,270	78,121	18,352	27,624	67,745	134,629	8,996
322	Pressed and blown glassware	46	5	12	29	13,472	33,355	7,319	12,209	28,719	68,863	4,159
3221	Glass containers	7	----	1	6	5,258	14,217	2,300	4,639	12,230	38,323	2,532
3229	Pressed and blown glassware, n.e.c.	39	5	11	23	8,214	19,138	5,019	7,570	16,489	30,540	1,627
3231	Products of purchased glass	20	11	9	----	518	950	149	463	758	1,399	(d)
325	Structural clay products	19	4	11	4	1,615	3,971	1,295	1,471	3,424	6,948	506
3251	Brick and hollow tile	12	4	8	----	519	1,208	516	444	999	1,950	246
3262	Vitreous-china food utensils	4	----	1	3	1,208	2,850	702	1,154	2,667	3,436	200
3269	Pottery products, n.e.c.	4	1	2	1	220	353	331	206	274	534	5
327	Concrete and plaster products	114	103	11	----	1,005	2,130	463	924	1,860	4,211	769
3271	Concrete products	106	99	7	----	739	1,386	197	686	1,201	2,633	494
329	Miscellaneous nonmetallic mineral products	7	4	2	1	474	1,329	66	311	898	2,497	(d)
33	Primary metal industries	36	12	6	18	21,731	68,139	16,122	19,384	57,740	123,665	12,625
331	Blast furnaces and steel mills	10	----	----	10	17,432	55,068	13,907	15,761	47,544	100,696	11,968
332	Iron and steel foundries	13	5	3	5	1,558	4,273	547	1,406	3,748	6,289	156
3321	Gray-iron foundries	10	5	3	2	432	1,108	143	397	968	2,306	101
3361	Nonferrous foundries	8	5	3	----	131	368	28	113	284	821	93
34	Fabricated metal products	48	11	14	23	10,556	25,984	6,505	9,434	21,341	46,082	2,515
343	Heating and plumbing equipment	4	----	1	3	808	1,304	274	709	1,448	3,533	258
344	Structural metal products	18	6	7	5	2,653	7,724	645	2,300	6,049	14,180	609
346	Metal stamping and coating	13	1	4	8	3,486	7,926	2,061	3,108	6,510	13,840	682
35	Machinery (except electrical)	58	31	20	7	3,170	8,497	1,155	2,631	6,398	14,996	1,158
353	Construction and mining machinery	15	3	8	4	1,646	4,758	657	1,287	3,346	8,063	303
3531	Construction and mining machinery	7	1	3	3	945	2,913	367	712	1,935	4,322	213
3532	Oil-field machinery and tools	8	2	5	1	701	1,845	290	575	1,411	3,741	90
356	General industrial machinery	8	6	2	----	102	251	74	83	193	290	30
359	Miscellaneous machinery parts	15	10	4	1	624	1,723	297	553	1,364	2,738	423
36	Electrical machinery	17	5	5	7	4,675	11,915	559	4,218	10,242	24,517	1,288
37	Transportation equipment	9	3	3	3	2,030	(d)	646	1,699	(d)	(d)	(d)
38	Instruments and related products	8	7	1	----	80	168	(d)	78	162	296	1
39	Miscellaneous manufactures	37	28	6	3	1,418	2,827	1,093	1,327	2,515	3,759	512
394	Toys and sporting goods	10	5	3	2	984	1,971	749	927	1,797	2,560	417
399	Miscellaneous manufactures	20	17	2	1	369	708	(d)	340	591	1,044	95

(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 WHEELING-STEUBENVILLE 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]	**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)
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)

[d] Withheld to avoid disclosing figures for individual companies.
[1] The Wheeling-Steubenville Metropolitan Area consists of Brooke, Hancock, Marshall, and Ohio Counties, West Virginia; Belmont and Jefferson Counties, Ohio.
[2] In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. Industries and industry groups reporting fewer than 100 manufacturing employees are also omitted. They are included, however, in the appropriate major industry group (2-digit) lines and the "All industries" line.

TABLE 6.—GENERAL STATISTICS FOR KANAWHA 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]	**163**	**23,073**	**$74,492**	**16,843**	**$50,292**	**$178,158**	**$26,058**
20	Food and kindred products	30	1,017	2,668	618	1,355	5,092	484
205	Bakery products	11	561	1,633	340	830	2,838	336
208	Beverages	7	195	473	98	194	1,152	42
209	Miscellaneous food preparations	8	100	217	52	94	426	70
24	Lumber and products, except furniture	21	227	353	221	345	634	28
25	Furniture and fixtures	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	28	731	2,078	385	1,048	3,771	300
28	Chemicals and allied products	15	13,510	48,268	8,926	30,083	126,001	(d)
29	Petroleum and coal products	5	588	1,978	455	1,448	5,500	259
32	Stone, clay, and glass products	27	4,103	11,650	3,666	10,086	24,417	1,030
325	Structural clay products	3	236	590	185	450	887	173
33	Primary metal industries	3	18	(d)	15	(d)	(d)	(d)
34	Fabricated metal products	7	2,004	(d)	1,813	(d)	(d)	(d)
35	Machinery (except electrical)	13	690	2,092	585	1,595	4,216	134
359	Miscellaneous machinery parts	6	106	359	96	306	604	39
36	Electrical machinery	4	86	161	73	126	192	7
37	Transportation equipment	1	(d)	(d)	(d)	(d)	(d)	(d)
38	Instruments and related products	2	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	6	42	111	36	84	121	7

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

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

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

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

COUNTY AND SIZE GROUP	Total number of establishments	Number of establishments by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
The State	1,602	291	9	15	27	484	27	20	185	47	32	4	11	237	36	48	58	17	9	8	37
1-19 employees	1,044	209	5	2	3	385	17	2	154	22	15	1		132	12	11	31	5	3	7	28
20-99 employees	356	74		7	9	90	8	12	24	9	9	3	4	52	6	14	20	5	3	1	6
100 employees and over	202	8	4	6	15	9	2	6	7	16	8		7	53	18	23	7	7	3		3
Barbour:																					
1-19 employees	22	1				16			2	1	1			1							
20-99 employees	1					1															
Berkeley:																					
1-19 employees	17	3				3	1		3		1			5		1					
20-99 employees	7	1					1	1	1					3							
100 employees and over	7	2		3	1									1							
Boone:																					
1-19 employees	8	1				6			1												
20-99 employees	2					2															
100 employees and over	1					1															
Braxton:																					
1-19 employees	6				1	1			2					2							
Brooke:																					
1-19 employees	12	4				1		1	2		1			1			2				
20-99 employees	7							5								2					
100 employees and over	12							2		1	1			2	2	4					
Cabell:																					
1-19 employees	77	16			1	6	8		8	3	1			16		4	3	1	2	3	5
20-99 employees	32	10			1	4	3		1	1		1		5		1	2	2		1	
100 employees and over	25		1		5	1	2		1	1			1	4	2	3		1	2		1
Calhoun:																					
1-19 employees	6					5			1												
Clay:																					
1-19 employees	8					7			1												
20-99 employees	4					4															
Doddridge:																					
1-19 employees	8					6			1					1							
20-99 employees	1					1															
Fayette:																					
1-19 employees	25	4				10			5					6							
20-99 employees	7	1				2					3						1				
100 employees and over	1														1						
Gilmer:																					
1-19 employees	9	1				7			1												
20-99 employees	2					2															
Grant:																					
1-19 employees	7	2				3			1					1							
20-99 employees	3	2											1								
Greenbrier:																					
1-19 employees	22	2				10			3		1			5	1						
20-99 employees	2					1	1														
100 employees and over	2			1		1															
Hampshire:																					
1-19 employees	9	2				5			1					1							
20-99 employees	1					1															
100 employees and over	1					1															
Hancock:																					
1-19 employees	10	2				1			3	1				2						1	
20-99 employees	10	1							2		1			4		1	1				
100 employees and over	11										1			6	2	2					
Hardy:																					
1-19 employees	5	1				3			1												
20-99 employees	2			1									1								
100 employees and over	1	1																			
Harrison:																					
1-19 employees	34	14				2	1		9	1	1				2	1	1				2
20-99 employees	17	6				1								4		1	2		1		2
100 employees and over	12				1			1	1					7	1			1			
Jackson:																					
1-19 employees	7	2				1			2		1										1
20-99 employees	1													1							
Jefferson:																					
1-19 employees	11	4		1		1			2					3							
20-99 employees	8				1				1	1				4			1				
100 employees and over	2							1									1				
Kanawha:																					
1-19 employees	105	18				16	1		22	7	1			18	3	1	9	2		2	5
20-99 employees	37	10				5			4	1	1			6		4	2	2	1		1
100 employees and over	21	2							2	7	3			3		2	2				
Lewis:																					
1-19 employees	15	2				8			2					2			1				
20-99 employees	5					2		1						2							
100 employees and over	4													4							
Lincoln:																					
1-19 employees	6					6															
20-99 employees	1					1															
Logan:																					
1-19 employees	23	5				9			2					4							3
20-99 employees	10	4				3			1					1				1			
McDowell:																					
1-19 employees	20	3				11			2					4							
20-99 employees	12	2				8			1		1										
Marion:																					
1-19 employees	32	9				5	1		5					4			5		1		2
20-99 employees	11	2							1	1				3	1	1	2				
100 employees and over	9							1			1			3	1		1	2			
Marshall:																					
1-19 employees	15	6	1			3			2		1			2							
20-99 employees	7	1				1				1			1	1	1		1				
100 employees and over	11				2					1				2	2	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
Mason:																					
1-19 employees	8	1			1		1		2					2				1			
20-99 employees	3				2					1											
100 employees and over	2														1				1		
Mercer:																					
1-19 employees	49	9				30			4					3			1				2
20-99 employees	12	6		1			1		2	1							1				
100 employees and over	4	1			1				1									1			
Mineral:																					
1-19 employees	10	4				3			2					1							
20-99 employees	4			1	2	1															
Mingo:																					
1-19 employees	15	4				8			1					1			1				
20-99 employees	6	1				4			1												
Monongalia:																					
1-19 employees	34	7				5			4	1	3			10	1		2				1
20-99 employees	14	3				2			2		1			6							
100 employees and over	6				1						1			3		1					
Monroe:																					
1-19 employees	9	1				6			2												
20-99 employees	1					1															
Morgan:																					
1-19 employees	16	9				6			1												
20-99 employees	2												1				1				
100 employees and over	3			1									1	1							
Nicholas:																					
1-19 employees	18	3				8			2	2	1			2							
20-99 employees	2					2															
100 employees and over	2					2															
Ohio:																					
1-19 employees	59	24	4			1	2		12	3				4	4	1	2	1			1
20-99 employees	26	9				2		3	2	1				1	2	3	3				
100 employees and over	21	1	3	1					1	2				2	3	6	1				1
Pendleton:																					
1-19 employees	9	2				6			1												
20-99 employees	4					4															
100 employees and over	1					1															
Pleasants:																					
1-19 employees	3					1			2												
20-99 employees	1																				1
100 employees and over	1										1										
Pocahontas:																					
1-19 employees	13	1				9			2					1							
20-99 employees	3					3															
100 employees and over	3					1							2								
Preston:																					
1-19 employees	32	2		1		27					1			1							
20-99 employees	5					3	1				1										
100 employees and over	2				1									1							
Putnam:																					
1-19 employees	8					3			3					1							1
20-99 employees	3			2																	1
100 employees and over	3									3											
Raleigh:																					
1-19 employees	33	6				12	1		1					11							2
20-99 employees	14	5				8			1												
100 employees and over	2								1								1				
Randolph:																					
1-19 employees	30	4				20			2					3		1					
20-99 employees	7	2				3			1						1						
100 employees and over	3				1	1							1								
Ritchie:																					
1-19 employees	14	2				6			1					3							2
20-99 employees	5				2	1								2							
Roane:																					
1-19 employees	10	2				3			3			1		1							
20-99 employees	1											1									
Summers:																					
1-19 employees	14	1				9			3					1							
20-99 employees	2					2															
Taylor:																					
1-19 employees	12	4				6			2												
20-99 employees	2							1						1							
100 employees and over	2													2							
Tucker:																					
1-19 employees	8	1				5			2												
20-99 employees	1			1																	
100 employees and over	1												1								
Tyler:																					
1-19 employees	11	1				3		1	2					2		1	1				
20-99 employees	2	1														1					
100 employees and over	1													1							
Upshur:																					
1-19 employees	21	3				14			3					1							
20-99 employees	1					1															
100 employees and over	1				1																
Wayne:																					
1-19 employees	21	1				15	1		1	1				2							
20-99 employees	7					3								4							
100 employees and over	2													2							
Webster:																					
1-19 employees	5					2			2					1							
20-99 employees	3					2				1											
Wetzel:																					
1-19 employees	10	2				7			1												
20-99 employees	5					2								2	1						
100 employees and over	2													2							
Wirt:																					
1-19 employees	2					1			1												
Wood:																					
1-19 employees	32	12				3			6	2	1			1	1	1	3			1	1
20-99 employees	22	7		1	1		1	1	3			1		2			3		1		1
100 employees and over	20	1			1			1		1			1	7	3	3	1	1			
Wyoming:																					
1-19 employees	19	1				14			2					2							
20-99 employees	8					7					1										

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

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

MAJOR INDUSTRY GROUP		All establishments		Establishments reporting employment by month													
				Number of employees													
No.	Title	Salaries and wages, total	Number of employees (average for the year)	Average for the year	January	February	March	April	May	June	July	August	September	October	November	December
	All industries, total	$337,869	127,353	126,374	124,266	124,059	125,359	126,161	125,335	126,484	124,768	127,094	128,380	128,402	128,700	127,485
20	Food and kindred products	14,973	6,275	5,938	5,353	5,225	5,291	5,362	5,621	5,793	5,956	6,107	6,985	6,768	6,767	6,025
22	Textile mill products	8,078	3,917	3,916	3,735	3,826	3,857	4,001	3,916	3,951	3,839	3,888	3,887	3,974	4,027	4,090
23	Apparel and related products	5,202	3,800	3,718	3,742	3,969	3,948	3,804	3,774	3,686	3,531	3,623	3,613	3,669	3,715	3,605
24	Lumber and products, exc. furniture	14,188	7,979	7,857	7,605	7,372	7,580	7,992	8,121	8,236	8,222	8,221	8,063	7,808	7,624	7,441
25	Furniture and fixtures	1,778	884	840	765	756	723	729	706	774	749	825	930	998	1,057	1,066
26	Paper and allied products	3,558	1,565	1,565	1,624	1,574	1,583	1,536	1,510	1,501	1,508	1,559	1,563	1,636	1,575	1,608
27	Printing and publishing industries	7,360	3,008	2,978	2,975	2,953	2,953	2,924	2,953	2,993	2,989	2,965	2,990	3,011	3,021	3,012
28	Chemicals and allied products	68,371	20,631	20,622	19,986	20,235	20,252	20,455	20,725	20,801	21,093	20,920	20,760	20,869	20,611	20,758
29	Petroleum and coal products	7,586	2,393	2,391	2,347	2,387	2,432	2,212	2,230	2,261	2,276	2,545	2,541	2,532	2,463	2,460
30	Rubber products	244	140	140	79	78	77	76	69	65	58	85	325	192	398	180
31	Leather and leather products	3,606	1,759	1,757	1,889	1,874	1,907	1,863	1,841	1,787	1,720	1,817	1,435	1,584	1,677	1,695
32	Stone, clay, and glass products	78,121	30,270	30,150	30,126	29,807	30,012	30,373	30,235	29,825	29,270	30,084	30,054	30,740	30,762	30,512
33	Primary metal industries	68,139	21,731	21,709	21,276	21,671	21,817	21,948	22,196	22,293	21,753	21,484	21,504	21,400	21,497	21,673
34	Fabricated metal products	25,984	10,556	10,525	10,364	10,548	10,837	10,941	9,403	10,483	9,965	10,561	10,913	10,589	10,508	10,687
35	Machinery (except electrical)	8,497	3,170	3,085	2,914	2,955	3,028	3,062	3,123	3,208	3,213	3,151	3,089	3,060	3,086	3,131
36	Electrical machinery	11,915	4,675	4,670	4,736	4,702	4,589	4,608	4,681	4,685	4,496	4,467	4,633	4,741	4,834	4,871
38	Instruments and related products	168	80	66	63	66	67	60	78	49	54	58	69	74	73	77
39	Miscellaneous manufactures	2,827	1,418	1,371	1,427	1,358	1,400	1,310	1,290	1,236	1,214	1,252	1,495	1,394	1,606	1,465
	All other major industry groups	7,274	3,102	3,076	2,760	2,763	3,006	2,905	2,863	2,857	2,862	3,482	3,531	3,363	3,399	3,129

TABLE 9.—DETAILED STATISTICS FOR THE STATE, THE WHEELING-STEUBENVILLE METROPOLITAN AREA, AND KANAWHA COUNTY: 1947

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

ITEM	Total for the State	Wheeling-Steubenville Metropolitan Area	Kanawha County
ALL ESTABLISHMENTS			
Number of establishments	1,602	343	163
Number of employees (average for the year)	127,353	51,751	23,073
Salaries and wages, total	$337,869	$147,020	$74,492
Value added by manufacture	$663,903	$259,509	$178,158
Establishments by employment size group:			
1-4 employees	442	84	48
5-9 employees	350	56	33
10-19 employees	252	42	24
20-49 employees	244	53	23
50-99 employees	112	30	14
100-249 employees	103	37	9
250-499 employees	52	21	3
500-999 employees	25	12	4
1,000-2,499 employees	17	5	3
2,500 employees and over	5	3	2
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	997	280	108
Number of employees (average for the year)	123,703	51,464	22,797
Salaries and wages, total	$332,697	$146,575	$73,964
Value added by manufacture	$655,240	$258,682	$177,308

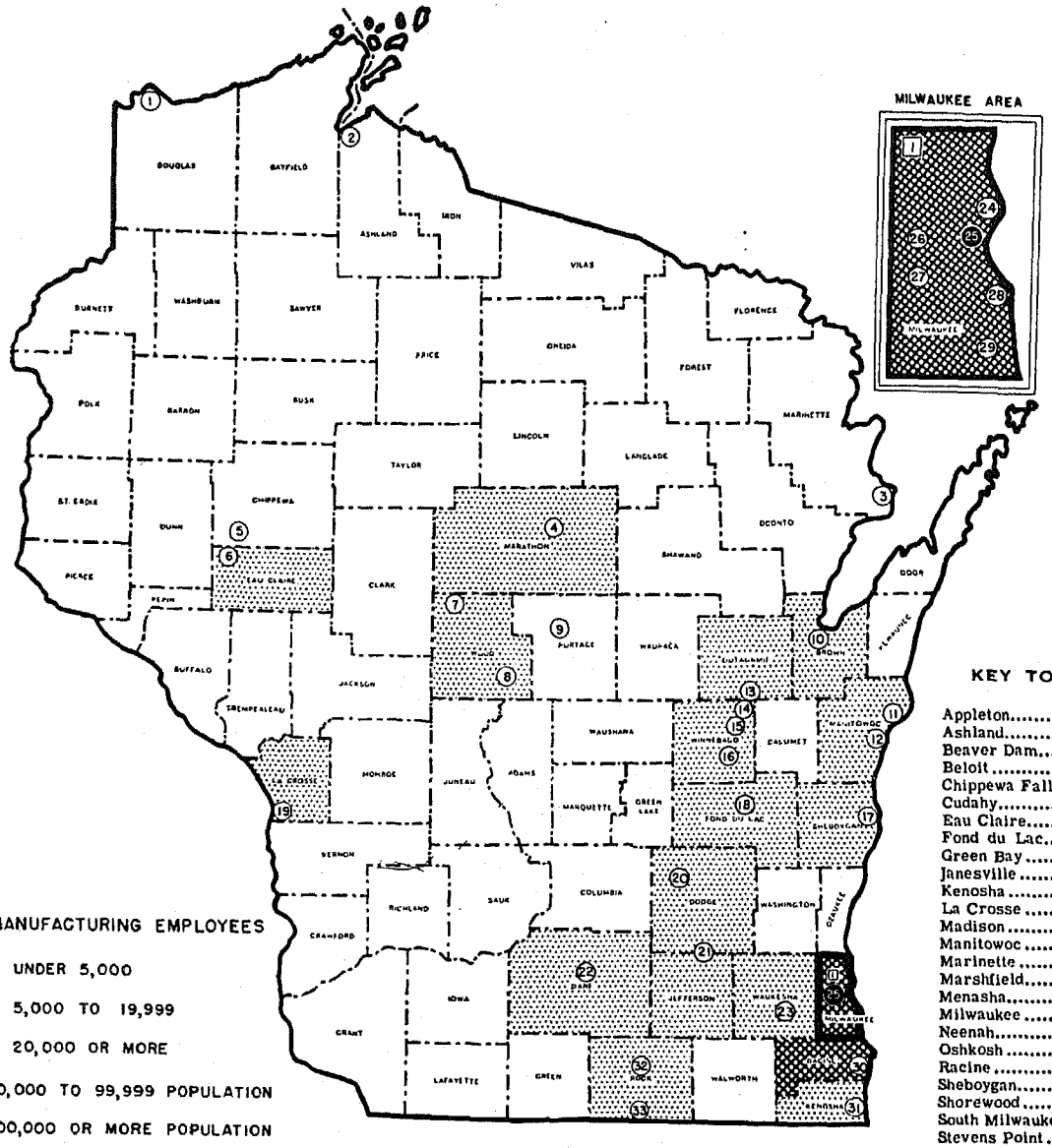
ITEM	Total for the State	Wheeling-Steubenville Metropolitan Area	Kanawha County
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	125,738	52,141	23,369
Male	98,196	42,907	20,641
Female	27,542	9,234	2,728
Production workers	107,265	46,773	17,120
Male	83,872	38,662	15,468
Female	23,393	8,111	1,652
Force-account construction workers	1,673	97	1,134
Administrative, supervisory, sales, and all other	16,800	5,271	5,115
Male	12,651	4,148	4,039
Female	4,149	1,123	1,076
Expenditures for plant and equipment:			
New plant and equipment	$82,332	$34,765	$26,058
Construction and major alteration of fixed plants	27,364	12,858	6,270
Buildings	13,365	3,350	3,878
Other construction	13,999	9,508	2,392
Machinery and equipment	54,968	21,907	19,788
Production machinery and equipment	50,935	20,278	19,156
Other machinery and equipment	4,033	1,629	632
Used plant and equipment and land	11,144	1,210	8,808

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

TYPE OF VEHICLE	Number of highway-type motor vehicles by manufacturer's rated capacity							Number of tank and refrigerated-type bodies included in trucks and trailers	
	Total	Under 1½ tons	1½ tons	Over 1½ tons, less than 3½ tons	3½ tons, less than 5 tons	5 tons, less than 7 tons	7 tons and over	Tank-type	Refrigerated-type
Trucks, total	2,989	869	1,451	593	39	21	16	12	68
Van	143		65	69	1		8		
Stake or platform	1,043	133	540	333	24	10	3		
Panel or light delivery	954	611	343						
All other	849	125	503	191	14	11	5		
Truck tractors	90	3	4	61	8	7	7		
Trailers and semitrailers	115							16	10

WISCONSIN

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



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] MILWAUKEE AREA

KEY TO PLACES

Appleton	13
Ashland	2
Beaver Dam	20
Beloit	33
Chippewa Falls	5
Cudahy	28
Eau Claire	6
Fond du Lac	18
Green Bay	10
Janesville	32
Kenosha	31
La Crosse	19
Madison	22
Manitowoc	12
Marinette	3
Marshfield	7
Menasha	14
Milwaukee	25
Neenah	15
Oshkosh	16
Racine	30
Sheboygan	17
Shorewood	24
South Milwaukee	29
Stevens Point	9
Superior	1
Two Rivers	11
Watertown	21
Waukesha	23
Wausau	4
Wauwatosa	26
West Allis	27
Wisconsin Rapids	8

Prepared by the Bureau of the Census, Department of Commerce

TABLE 1.—GENERAL STATISTICS FOR THE STATE AND THE MILWAUKEE 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	
	WISCONSIN					
1947	6,979	416,448	$1,184,247	343,008	$906,112	$2,260,574
1939 [3]	6,334	251,774	364,558	198,648	249,902	681,970
1937	6,318	272,681	378,872	234,067	296,365	709,824
1935 [4]	6,286	230,947	271,838	196,972	204,201	529,329
1933	5,409	n.a.	n.a.	158,730	132,846	370,037
1931	6,335	n.a.	n.a.	183,906	189,099	530,097
1929	7,431	309,397	467,524	264,745	352,491	949,842
1927	7,473	n.a.	n.a.	247,722	322,697	820,325
1925	7,262	n.a.	n.a.	247,341	314,883	774,496
1923	7,832	n.a.	n.a.	247,851	297,160	718,696
1921	7,291	n.a.	n.a.	191,770	214,141	486,920
1919	9,720	307,955	375,662	262,211	288,388	715,786
1914	9,078	222,728	149,673	194,206	112,116	277,617
1909	9,721	204,870	119,641	182,583	93,905	243,949
1904	8,558	165,611	86,970	151,391	71,472	183,885
1899	7,841	148,005	66,188	137,525	55,696	141,057
	MILWAUKEE METROPOLITAN AREA [Consists of Milwaukee County, Wisconsin]					
1947	1,963	177,202	$535,089	141,172	$396,832	$973,335
1939 [3]	1,465	94,774	147,996	79,473	111,135	287,667
1929 [5]	1,939	141,068	233,200	117,658	170,962	434,088
1919	2,247	n.a.	n.a.	106,137	117,674	302,457

n.a.—Not available.

[1] The 1947 and 1939 figures for the State and the 1947 figures for the Milwaukee 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 $686.6 million for the State and $289.7 million for the Milwaukee Metropolitan Area. See GENERAL EXPLANATIONS—Statistics for 1939 and earlier years.

[4] The figures for 1935–1947 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 $546.0 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] The 1929 figures for the Milwaukee 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 MILWAUKEE 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	**3,137,587**	**6,979**	**416,448**	**$1,184,247**	**343,008**	**$906,112**	**$2,260,574**	**6,334**	**198,648**	**$681,970**
STANDARD METROPOLITAN AREA										
Milwaukee area	766,885	1,963	177,202	535,089	141,172	396,832	973,335	1,465	79,473	287,667
COUNTIES										
Adams	8,449	6	24	(d)	21	(d)	(d)	8	19	(d)
Ashland	21,801	43	892	2,124	761	1,709	3,854	31	365	1,184
Barron	34,289	78	998	1,979	868	1,646	4,346	60	424	1,263
Bayfield	15,827	31	420	1,062	367	870	2,070	24	359	1,746
Brown	83,109	191	9,491	26,099	7,926	19,909	54,556	172	5,004	18,101
Buffalo	16,090	25	239	502	203	390	1,093	21	121	252
Burnett	11,382	10	93	157	85	132	249	10	26	44
Calumet	17,618	62	1,764	4,204	1,502	3,255	8,934	67	734	2,056
Chippewa	40,703	78	1,940	4,648	1,650	3,692	10,521	75	1,196	2,999
Clark	33,972	90	1,039	2,152	897	1,710	5,183	118	373	1,333
Columbia	32,517	70	2,101	4,134	1,900	3,573	9,453	65	1,053	2,133
Crawford	18,328	46	738	1,593	670	1,411	2,809	47	374	840
Dane	130,660	238	10,750	29,153	8,506	21,490	49,582	249	4,052	18,872
Dodge	54,280	170	5,729	13,627	5,027	11,248	31,576	204	3,324	9,164
Door	19,095	43	830	1,725	734	1,335	2,758	36	249	928
Douglas	47,119	53	1,388	3,338	1,154	2,564	9,298	32	455	1,956
Dunn	27,375	36	952	2,742	865	2,421	4,822	31	225	652
Eau Claire	46,999	70	8,672	32,115	7,083	25,972	47,226	65	3,556	12,209
Florence	4,177	4	26	36	25	35	150	2	(d)	(d)
Fond du Lac	62,353	146	7,153	18,099	5,859	13,169	38,410	133	3,626	9,778
Forest	11,805	18	658	1,563	571	1,314	3,929	14	789	1,421
Grant	40,639	86	633	1,259	533	1,046	6,722	99	285	823
Green	23,146	85	722	1,910	591	1,516	4,845	130	373	1,405
Green Lake	14,092	46	1,275	2,652	1,130	2,118	5,026	29	384	1,149
Iowa	20,595	64	376	794	330	688	1,829	110	164	425

See footnote at end of table.

TABLE 2.—GENERAL STATISTICS FOR THE MILWAUKEE 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.										
Iron	10,049	15	159	$285	142	$251	$609	6	20	$77
Jackson	16,599	22	201	388	175	320	687	25	120	248
Jefferson	38,868	101	5,833	14,948	4,551	10,613	28,614	98	3,069	10,108
Juneau	18,708	26	410	745	370	633	1,510	23	99	343
Kenosha	63,505	83	17,069	51,080	14,128	39,922	99,694	66	8,616	31,258
Kewaunee	16,680	56	1,714	3,880	1,524	3,206	6,144	70	864	1,739
La Crosse	59,653	114	9,700	24,617	8,162	19,554	51,813	93	4,031	13,178
Lafayette	18,695	51	209	585	192	554	1,706	86	109	254
Langlade	23,227	30	992	1,782	922	1,568	3,074	28	930	1,668
Lincoln	22,536	53	2,329	5,378	1,948	3,784	16,467	52	1,176	2,770
Manitowoc	61,617	164	9,774	24,966	8,495	20,216	61,499	182	5,244	20,595
Marathon	75,915	165	8,593	21,856	7,441	17,554	47,763	183	4,665	12,717
Marinette	36,225	70	4,004	10,038	3,401	7,923	17,763	49	2,125	8,027
Marquette	9,097	17	176	293	171	243	478	13	17	50
Milwaukee	766,885	1,963	177,202	535,089	141,172	396,832	973,335	1,465	79,473	287,667
Monroe	30,080	31	322	682	256	550	1,507	22	95	426
Oconto	27,075	67	1,319	2,845	1,235	2,460	5,849	89	944	1,816
Oneida	18,938	32	1,521	4,332	1,398	3,809	9,291	27	1,177	3,717
Outagamie	70,032	153	10,211	27,446	8,724	21,444	52,712	163	5,229	16,836
Ozaukee	18,985	72	3,592	9,513	2,990	6,987	18,456	64	1,419	3,276
Pepin	7,897	13	195	440	174	379	845	8	85	221
Pierce	21,471	30	485	850	408	729	2,128	22	157	324
Polk	26,197	48	479	837	412	717	1,979	58	289	778
Portage	35,800	52	2,361	5,939	2,056	4,446	10,560	56	1,259	3,531
Price	18,467	34	896	2,306	833	2,023	3,933	32	609	1,918
Racine	94,047	264	22,512	71,779	17,795	51,546	124,664	192	9,487	40,301
Richland	20,381	46	355	719	313	607	2,048	68	166	479
Rock	80,173	106	16,200	48,749	13,703	39,680	91,738	90	8,116	33,804
Rusk	17,737	31	446	945	405	856	1,741	22	519	1,025
St. Croix	24,842	37	1,065	(d)	884	(d)	(d)	30	225	(d)
Sauk	33,700	63	946	1,863	853	1,541	3,238	57	476	1,059
Sawyer	11,540	20	144	233	137	217	389	14	99	128
Shawano	35,378	84	1,448	3,048	1,286	2,561	6,466	108	746	1,550
Sheboygan	76,221	228	13,485	35,919	12,214	30,738	71,410	232	9,058	26,966
Taylor	20,105	31	791	1,840	730	1,596	3,797	31	714	1,250
Trempealeau	24,381	47	532	948	488	840	2,172	28	136	494
Vernon	29,940	34	255	464	228	404	1,789	48	144	444
Vilas	8,894	14	310	576	290	523	899	7	146	251
Walworth	33,103	74	2,718	7,034	2,334	5,455	10,935	49	802	1,692
Washburn	12,496	20	219	358	206	331	681	13	108	210
Washington	28,430	77	4,219	11,116	3,541	8,162	21,396	68	2,075	6,483
Waukesha	62,744	147	7,280	21,501	5,867	16,452	40,929	90	3,231	12,141
Waupaca	34,614	93	3,154	6,373	2,404	4,938	17,807	80	945	2,367
Waushara	14,268	21	186	285	166	247	398	15	80	184
Winnebago	80,507	195	15,432	42,340	13,212	33,275	85,397	196	8,402	24,231
Wood	44,465	96	6,102	16,855	5,414	14,392	36,586	84	3,611	11,548
URBAN PLACES										
Appleton	28,436	72	5,338	14,316	4,577	11,080	26,025	63	2,802	8,529
Ashland	11,101	19	323	806	258	640	1,947	14	251	1,052
Beaver Dam	10,356	23	2,321	6,034	2,105	5,182	13,611	19	1,501	4,325
Beloit	25,365	37	8,586	26,288	7,651	23,126	34,545	35	4,541	14,538
Chippewa Falls	10,368	29	999	2,360	842	1,780	5,217	25	556	1,311
Cudahy	10,561	28	5,897	19,406	4,839	15,188	31,840	17	3,350	12,400
Eau Claire	30,745	56	8,302	31,269	6,759	25,207	46,747	54	3,489	12,001
Fond du Lac	27,209	61	4,195	11,221	3,290	7,994	22,852	56	2,225	6,354
Green Bay	46,235	114	7,082	19,608	5,865	14,758	39,858	79	3,401	12,060
Janesville	22,992	45	5,922	(d)	4,634	(d)	(d)	32	2,797	(d)
Kenosha	48,765	71	16,895	50,626	14,028	39,709	99,053	61	8,552	(d)
La Crosse	42,707	88	9,238	23,685	7,746	18,827	49,857	74	3,873	12,891
Madison	67,447	136	9,155	25,213	7,049	17,991	41,893	107	3,336	16,346
Manitowoc	24,404	72	5,752	14,974	5,090	12,388	33,593	59	2,949	13,575
Marinette	14,183	27	2,095	5,007	1,776	3,772	8,120	22	958	2,670
Marshfield	10,359	36	1,035	2,380	893	1,847	4,963	27	991	2,636
Menasha	10,481	39	4,789	13,569	4,123	11,082	28,267	33	3,044	10,253
Milwaukee	587,472	1,719	133,051	398,058	108,372	297,677	753,882	1,318	61,073	215,597
Neenah	10,645	26	2,251	6,884	1,938	5,386	14,905	34	1,072	3,377
Oshkosh	39,089	99	8,058	21,176	6,863	16,279	40,823	91	4,156	10,214
Racine	67,195	211	19,152	61,492	14,971	43,496	109,752	157	7,810	35,447
Sheboygan	40,638	127	8,155	20,328	7,194	16,433	43,037	101	5,047	12,734
Shorewood	15,184	2	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
South Milwaukee	11,134	24	3,765	11,884	2,863	8,375	20,806	19	1,809	7,817
Stevens Point	15,777	31	1,681	4,042	1,458	2,938	7,110	32	812	2,092
Superior	35,136	44	1,278	(d)	1,053	(d)	(d)	30	411	(d)
Two Rivers	10,302	23	3,226	8,120	2,707	6,410	22,441	20	1,927	6,027
Watertown	11,301	31	1,324	3,181	1,097	2,400	5,763	30	1,021	2,455
Waukesha	19,242	65	5,595	17,057	4,450	12,860	32,064	49	2,708	10,520
Wausau	27,268	63	5,734	14,225	4,961	11,181	27,089	57	2,996	8,040
Wauwatosa	27,769	28	637	2,016	522	1,425	4,431	16	351	1,002
West Allis	36,364	91	24,197	73,300	17,088	52,099	95,197	49	9,410	35,099
Wisconsin Rapids	11,416	20	2,789	7,890	2,463	6,732	15,842	15	1,386	(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	6,979	416,448	$1,184,247	343,008	725,526	$906,112	$2,260,574	$162,787	$55,189	$107,598	6,334	198,648	$681,970
20	Food and kindred products	2,328	55,276	144,766	44,430	98,519	107,100	383,053	44,549	18,225	26,324	3,398	26,987	124,694
22	Textile mill products	86	11,110	25,226	10,149	20,263	20,758	42,485	2,963	296	2,667	65	9,871	19,591
23	Apparel and related products	175	9,666	19,139	8,607	16,098	14,799	35,502	1,017	347	670	114	5,126	7,853
24	Lumber and products, exc. furniture	580	15,813	35,732	14,472	32,132	30,308	60,704	3,636	1,277	2,359	334	12,955	24,144
25	Furniture and fixtures	141	12,615	34,097	10,514	23,225	26,697	55,584	3,553	1,056	2,497	113	6,740	16,272
26	Paper and allied products	169	28,144	81,850	24,290	53,264	65,432	188,733	30,300	9,685	20,615	139	17,693	62,456
27	Printing and publishing industries	754	16,542	49,489	11,075	22,599	30,010	86,131	5,804	1,986	3,818	623	7,340	34,292
28	Chemicals and allied products	217	5,890	18,249	3,666	7,967	9,335	49,249	3,850	1,592	2,258	141	2,225	21,156
29	Petroleum and coal products	32	1,066	3,177	882	1,862	2,509	9,586	298	64	234	24	668	3,832
31	Leather and leather products	159	21,274	51,801	19,100	38,354	42,328	102,365	3,049	999	2,050	127	16,565	37,230
33	Primary metal industries	193	24,478	80,116	20,526	43,899	63,835	129,998	6,354	1,583	4,771	115	10,640	37,598
34	Fabricated metal products	451	36,503	109,528	30,797	65,744	84,741	208,563	10,026	2,997	7,029	277	16,106	56,537
35	Machinery (except electrical)	799	94,048	290,227	73,623	157,584	214,114	467,567	22,869	5,864	17,005	370	33,755	122,869
36	Electrical machinery	123	28,128	77,500	23,042	46,919	60,379	138,771	6,232	1,844	4,388	70	6,411	25,737
37	Transportation equipment	121	30,328	89,953	25,789	50,991	74,258	165,998	11,626	5,888	5,738	64	15,681	56,786
38	Instruments and related products	37	5,746	15,367	5,121	10,384	13,017	23,152	1,013	27	986	21	498	1,185
39	Miscellaneous manufactures	246	9,545	23,841	8,067	16,199	17,896	52,331	1,450	491	959	135	3,978	10,874
	All other major industry groups	368	10,276	34,189	8,858	19,523	28,596	60,802	4,198	968	3,230	204	5,409	18,864

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]	6,979	4,780	1,464	735	416,448	$1,184,247	198,648	343,008	$906,112	$2,260,574	$162,787
20	FOOD AND KINDRED PRODUCTS	2,328	1,825	412	91	55,276	144,766	26,987	44,430	107,100	383,053	44,549
201	Meat products	106	69	29	8	8,612	25,881	4,078	6,704	19,386	34,180	2,689
2011	Meat packing, wholesale	49	28	13	8	7,482	22,746	3,456	5,866	17,305	28,772	2,386
2013	Prepared meats	50	36	14	----------	1,015	2,888	531	748	1,879	4,884	261
2015	Poultry dressing, wholesale	7	5	2	----------	115	247	91	90	202	524	42
202	Dairy products	1,363	1,241	98	24	12,722	30,408	[2] 7,039	10,798	25,200	91,202	9,950
2021	Creamery butter	122	103	18	1	1,482	3,233	1,593	1,193	2,598	7,460	2,246
2022	Natural cheese	1,067	1,045	20	2	3,853	8,292	1,891	3,451	7,620	25,078	2,872
2023	Concentrated milk	75	21	43	11	3,936	10,219	2,086	3,400	8,591	34,606	3,101
2024	Ice cream and ices	64	56	7	1	786	1,962	397	523	1,205	5,988	573
2025	Special dairy products	35	16	10	9	2,665	6,702	1,072	2,231	5,186	18,070	1,158
203	Canning, preserving, and freezing	194	43	130	21	10,564	19,267	4,702	9,536	15,513	41,303	4,827
2033	Canning and preserving, except fish	150	11	122	17	9,220	16,446	4,198	8,348	13,378	34,762	4,449
2035	Pickles and sauces	32	22	6	4	1,195	2,593	485	1,056	1,950	5,937	353
204	Grain-mill products	111	98	10	3	1,470	4,301	507	1,138	2,861	11,580	1,146
2041	Flour and meal	17	12	4	1	535	1,485	331	424	1,072	4,564	273
205	Bakery products	171	103	56	12	6,343	16,543	[2] 4,239	4,107	8,625	27,092	2,202
2051	Bread and other bakery products	164	101	54	9	5,373	13,988	3,661	3,408	7,207	22,359	1,740
2052	Biscuit, crackers, and pretzels	7	2	2	3	970	2,555	578	699	1,418	4,733	462
207	Confectionery and related products	42	27	10	5	1,646	3,910	963	1,240	2,353	10,320	526
208	Beverages	263	197	50	16	12,148	40,325	4,782	9,612	30,601	155,225	22,369
2081	Bottled soft drinks	182	167	13	2	1,601	3,762	484	945	1,829	8,233	1,050
2082	Malt liquors	55	17	29	9	9,321	32,094	3,567	7,670	25,577	119,970	16,395
2083	Malt	19	7	7	5	1,149	4,280	(d)	943	3,068	26,462	4,887
2097	Manufactured ice	21	10	11	----------	473	1,344	113	234	633	3,038	----------
2099	Food preparations, n.e.c.	34	24	10	----------	519	1,060	206	431	650	2,709	406
21	TOBACCO MANUFACTURES	38	34	4	----------	(d) 197	(d) 307	(d) 166	(d) 189	(d) 280	(d) 422	(d) ----------
2121	Cigars	36	32	4	----------							
22	TEXTILE MILL PRODUCTS	86	30	30	26	11,110	25,226	9,871	10,149	20,758	42,485	2,963
221	Woolen and worsted manufactures	16	5	5	6	1,281	2,923	978	1,192	2,431	4,784	305
2213	Woolen and worsted fabrics	9	2	1	6	1,108	2,500	861	1,036	2,124	4,151	286
225	Knitting mills	47	15	16	16	8,252	18,350	8,089	7,549	15,217	29,934	2,246
2251	Full-fashioned hosiery mills	9	4	2	3	3,263	7,942	4,908	2,990	7,043	13,712	1,317
2252	Seamless hosiery mills	9	2	2	5	1,322	2,449	882	1,236	1,989	3,333	106
2253	Knit outerwear mills	16	7	5	4	1,291	2,541	810	1,168	1,919	4,263	419
2254	Knit underwear mills	6	----------	3	3	1,632	4,187	961	1,433	3,129	6,670	360
227	Carpets and rugs	6	2	2	2	654	1,797	314	586	1,365	3,417	219
229	Miscellaneous textile goods	13	6	5	2	757	1,872	467	677	1,517	4,115	143
2298	Cordage and twine	5	2	3	----------	142	354	(d)	125	300	568	4

See footnotes at end of table.

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

Industry No.	Industry Title	Total number of establishments	Number of establishments with— 1-19 employees	20-99 employees	100 employees and over	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year) 1939	Production workers: Number (average for the year) 1947	Production workers: Wages, total 1947	Value added by manufacture	Expenditures for new plant and equipment
23	APPAREL AND RELATED PRODUCTS	175	82	69	24	9,666	$19,139	5,126	8,607	$14,799	$35,502	$1,017
2311	Men's and boys' suits and coats	11	3	3	5	855	1,944	561	795	1,670	2,960	51
232	Men's and boys' furnishings	35	11	18	6	2,185	4,161	1,095	2,002	3,324	6,751	39
2325	Men's and boys' cloth hats and caps	7	5	1	1	201	389	23	182	312	641	4
2327	Separate trousers	5	1	3	1	273	501	(d)	257	418	1,057	7
2329	Men's and boys' clothing, n.e.c.	15	3	9	3	1,262	2,589	940	1,131	1,964	4,341	25
233	Women's and misses' outerwear	26	9	12	5	2,700	5,108	1,429	2,342	3,713	11,530	273
2334	Dresses, dozen price	15	8	4	3	1,831	3,333	1,186	1,591	2,371	7,374	223
234	Women's and children's undergarments	5	2	3	----------	148	183	----------	137	154	435	33
236	Children's outerwear	7	3	3	1	228	413	----------	204	331	524	52
238	Miscellaneous apparel and accessories	28	9	16	3	1,769	3,517	1,104	1,635	2,885	6,073	195
2382	Fabric and combination work gloves	5	1	4	----------	141	216	(d)	136	201	276	65
239	Miscellaneous fabricated textiles	53	40	10	3	1,269	2,726	578	1,031	1,859	5,428	260
2392	Housefurnishings, n.e.c.	5	1	4	----------	261	646	96	216	361	1,057	54
2399	Fabricated textile products, n.e.c.	20	16	3	1	447	1,052	(d)	381	771	2,755	113
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	580	420	120	40	15,813	35,732	12,955	14,472	30,308	60,704	3,636
242	Lumber and timber basic products	341	288	44	9	4,901	9,736	5,290	4,649	8,856	18,377	1,086
2421	Sawmills and planing mills, general	330	286	38	6	4,132	7,880	4,903	3,932	7,220	15,522	831
243	Millwork and related products	98	51	26	21	6,645	16,628	4,920	5,913	13,463	25,677	1,729
2431	Millwork plants	81	49	19	13	4,199	10,775	3,900	3,678	8,561	17,238	800
2432	Plywood plants	13	1	5	7	2,141	5,125	1,020	1,980	4,333	7,740	803
2433	Prefabricated wood products	4	1	2	1	305	728	----------	255	569	699	126
244	Wooden containers	59	21	31	7	2,585	5,593	1,951	2,408	4,831	9,559	307
2444	Wooden boxes (except cigar boxes)	50	17	26	7	2,344	5,108	(d)	2,184	4,436	8,753	290
249	Miscellaneous wood products	82	60	19	3	1,702	3,775	794	1,520	3,158	7,091	514
2499	Wood products, n.e.c.	77	58	16	3	1,492	3,239	654	1,327	2,690	5,956	491
25	FURNITURE AND FIXTURES	141	70	46	25	12,615	34,097	6,740	10,514	26,697	55,584	3,553
251	Household furniture	87	43	26	18	9,345	25,694	5,024	7,831	20,480	39,952	2,734
2511	Wood house furniture, except upholst	50	21	16	13	4,110	10,212	2,122	3,634	8,384	15,519	1,648
253	Public and professional furniture	9	2	5	2	1,635	4,201	1,149	1,282	3,083	8,284	348
2541	Partitions and fixtures	24	15	9	----------	476	1,312	227	416	1,044	2,126	150
2563	Venetian blinds	6	2	3	1	351	770	(d)	272	505	1,155	44
26	PAPER AND ALLIED PRODUCTS	169	28	64	77	28,144	81,850	17,693	24,290	65,432	188,733	30,300
261	Pulp, paper, and paperboard	74	2	20	52	17,978	53,972	13,919	15,767	44,823	123,520	24,098
2611	Pulp mills	29	1	12	16	4,852	14,359	2,838	4,389	12,352	27,328	3,421
2612	Paper and board mills	45	1	8	36	13,126	39,613	11,081	11,378	32,471	96,192	20,677
2641	Paper coating and glazing	10	2	6	2	2,023	5,572	344	1,746	4,580	13,170	2,470
267	Paperboard containers and boxes	35	8	17	10	3,432	9,547	1,773	2,891	6,701	22,795	2,616
2671	Paperboard boxes	31	7	15	9	3,144	8,986	(d)	2,627	6,208	21,933	2,602
269	Pulp goods and misc. paper products	44	14	18	12	4,435	12,022	1,492	3,668	8,868	28,079	1,062
27	PRINTING AND PUBLISHING INDUSTRIES	754	620	106	28	16,542	49,489	7,340	11,075	30,010	86,131	5,804
2711	Newspapers	285	243	32	10	5,633	15,341	2,270	2,755	7,397	28,899	1,955
2721	Periodicals	44	38	5	1	559	1,534	164	194	503	2,799	94
273	Books	12	6	3	3	2,142	7,932	136	1,554	4,422	12,312	1,516
2741	Miscellaneous publishing	15	14	1	----------	108	269	----------	55	108	557	5
2751	Commercial printing	283	244	33	6	4,734	13,702	3,175	3,707	10,053	23,476	1,217
2761	Lithographing	42	22	17	3	1,564	5,226	728	1,201	3,720	9,376	678
278	Bookbinding and related industries	25	17	3	5	1,071	2,586	514	918	1,796	4,219	160
2781	Bookbinding	14	10	3	1	314	600	278	284	516	841	60
279	Printing trades service industries	48	36	12	----------	731	2,899	353	541	2,011	4,493	179
2791	Typesetting	15	10	5	----------	237	825	46	174	576	1,375	49
2793	Photoengraving	16	11	5	----------	300	1,456	203	218	983	2,073	84
2794	Electrotyping and stereotyping	8	6	2	----------	131	467	64	99	334	823	43
28	CHEMICALS AND ALLIED PRODUCTS	217	164	42	11	5,890	18,249	2,225	3,666	9,335	49,249	3,850
282	Industrial organic chemicals	13	6	4	3	1,056	3,083	378	770	1,885	5,605	900
283	Drugs and medicines	29	17	10	2	976	2,833	134	459	951	4,889	329
2831	Biological products	5	----------	5	----------	194	708	(d)	105	269	1,986	95
284	Soap and related products	51	46	4	1	1,036	3,555	249	527	1,596	15,176	972
285	Paints and allied products	23	15	6	2	1,177	3,742	592	642	1,650	7,224	337
288	Vegetable and animal oils	27	22	5	----------	333	1,068	159	287	867	3,287	365
289	Miscellaneous chemical products	65	53	9	3	1,176	3,566	486	876	2,140	11,768	743
2893	Toilet preparations	9	8	----------	1	211	535	60	166	299	848	20
2899	Chemical products, n.e.c.	42	35	6	1	516	1,665	69	343	814	6,378	361
29	PETROLEUM AND COAL PRODUCTS	32	21	10	1	1,066	3,177	668	882	2,509	9,586	298
2991	Fuel briquets and packaged fuel	19	14	5	----------	285	781	119	267	717	2,997	35
30	RUBBER PRODUCTS	19	11	4	4	5,588	(d)	3,276	4,694	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	159	50	51	58	21,274	51,801	16,565	19,100	42,328	102,365	3,049
3111	Leather tanning and finishing	26	3	13	10	5,499	17,045	4,446	4,879	13,783	42,523	1,794
3131	Footwear cut stock	7	3	3	1	360	805	243	329	691	2,612	30
314	Footwear (except rubber)	61	13	12	36	11,189	24,598	9,770	10,124	20,875	43,461	968
315	Leather gloves and mittens	30	8	18	4	2,123	3,981	1,208	1,952	3,248	5,587	108
3151	Leather dress gloves	11	2	5	4	1,510	2,780	972	1,410	2,331	3,781	63
3152	Leather work gloves	19	6	13	----------	613	1,201	236	542	917	1,806	45
3161	Luggage	13	6	3	4	1,219	3,283	427	1,076	2,482	5,086	127
317	Handbags and small leather goods	8	3	2	3	786	1,883	392	665	1,117	2,705	20
32	STONE, CLAY, AND GLASS PRODUCTS	311	267	37	7	(d)	(d)	(d)	(d)	(d)	(d)	(d)
3231	Products of purchased glass	18	14	3	1	450	1,185	47	388	957	1,938	199
325	Structural clay products	16	13	2	1	378	1,102	180	317	815	1,457	178
327	Concrete and plaster products	219	197	21	1	1,625	4,227	565	1,394	3,341	8,238	1,745
3271	Concrete products	201	185	15	1	1,257	3,341	408	1,078	2,622	6,557	1,257
3275	Mineral wool	6	2	4	----------	194	504	(d)	164	389	909	178
3281	Cut-stone and stone products	11	8	3	----------	219	591	163	163	383	846	22
329	Misc. nonmetallic mineral products	40	33	6	1	708	1,839	231	642	1,570	5,722	296

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
33	PRIMARY METAL INDUSTRIES	193	76	60	57	24,478	$80,116	10,640	20,526	$63,835	$129,998	$6,354
332	Iron and steel foundries	84	17	28	39	12,990	41,588	5,765	10,962	33,946	62,181	3,033
3321	Gray-iron foundries	66	16	28	22	7,892	24,219	1,941	6,538	19,925	35,691	1,972
3322	Malleable-iron foundries	9	----------	----------	9	2,739	9,250	1,308	2,403	7,617	13,062	729
3323	Steel foundries	9	1	----------	8	2,359	8,119	2,516	2,021	6,404	13,428	332
3361	Nonferrous foundries	67	38	23	6	2,912	8,578	1,367	2,398	6,342	12,541	570
339	Miscellaneous primary metal industries	29	14	6	9	5,516	20,266	1,885	4,612	15,951	36,621	2,028
3391	Iron and steel forgings	9	2	1	6	3,834	14,066	1,280	3,258	11,308	22,174	1,331
34	FABRICATED METAL PRODUCTS	451	256	127	68	36,503	109,528	16,106	30,797	84,741	208,563	10,026
342	Cutlery, hand tools, and hardware	41	24	11	6	2,986	8,623	851	2,518	6,456	15,463	498
3423	*Hand tools, n.e.c.*	*15*	*7*	*6*	*2*	*1,129*	*3,652*	*242*	*920*	*2,625*	*6,994*	*254*
3429	Hardware, n.e.c.	17	10	3	4	1,717	4,608	493	1,474	3,520	7,993	173
343	Heating and plumbing equipment	32	7	6	19	12,660	40,205	5,713	10,797	32,567	76,047	3,898
3439	Heating and cooking apparatus, n.e.c.	22	6	4	12	8,431	26,251	2,491	7,042	20,651	51,302	2,979
344	Structural metal products	127	68	43	16	7,706	24,682	2,980	6,255	18,128	49,588	2,262
3441	Structural and ornamental products	39	17	16	6	1,970	6,505	862	1,574	4,627	10,764	501
3443	Boiler shop products	32	19	7	6	3,271	10,936	717	2,618	8,117	21,817	1,114
346	Metal stamping and coating	138	81	39	18	9,251	24,753	5,105	8,018	19,541	47,566	2,052
3463	Metal stampings	79	34	29	16	8,307	22,335	4,280	7,176	17,636	43,887	1,887
3466	Galvanizing	3	----------	2	1	254	638	43	223	472	933	55
3468	Plating and polishing	45	37	7	1	593	1,514	162	538	1,237	2,309	95
348	Fabricated wire products	22	16	5	1	506	1,758	375	434	1,286	3,481	391
349	Miscellaneous fabricated metal products	65	48	13	4	1,923	5,731	546	1,595	4,191	10,440	498
3494	Bolts, nuts, washers, and rivets	7	3	2	2	743	2,100	249	596	1,499	4,095	205
3495	Screw-machine products	44	34	8	2	993	3,147	250	838	2,308	5,281	220
35	MACHINERY (EXCEPT ELECTRICAL)	799	496	176	127	94,048	290,227	33,755	73,623	214,114	467,567	22,869
351	Engines and turbines	25	4	6	15	17,901	54,172	5,172	14,163	40,694	78,279	3,764
352	Tractors and farm machinery	76	39	19	18	19,588	58,344	12,092	15,223	44,039	97,367	5,706
3521	Tractors	12	4	2	6	13,109	40,683	9,780	10,339	31,728	67,264	3,933
3522	*Farm machinery (except tractors)*	*64*	*35*	*17*	*12*	*6,479*	*17,661*	*2,312*	*4,884*	12,311	30,103	1,773
354	Metalworking machinery	195	135	48	12	10,450	34,161	3,072	8,320	24,434	54,822	2,687
3543	Cutting tools, jigs, fixtures, etc.	160	123	35	2	3,234	11,000	605	2,787	9,052	17,329	840
355	Special-industry machinery, n.e.c.	170	119	28	23	11,814	37,091	4,057	9,171	27,694	54,628	2,409
3551	Food-products machinery	38	22	5	11	3,878	11,237	2,004	3,096	8,548	19,169	855
3553	Woodworking machinery	15	6	6	3	1,655	5,226	722	1,339	3,951	8,092	363
3554	Paper-industries machinery	13	2	6	5	2,694	9,558	828	2,184	7,539	11,307	603
3559	Special-industry machinery, n.e.c.	89	78	9	2	2,995	9,375	344	2,091	6,500	12,545	477
356	General industrial machinery	89	36	33	20	12,131	39,390	2,838	8,937	26,635	62,812	3,041
3561	Pumps and compressors	16	4	5	7	2,781	8,433	834	2,085	5,806	11,681	603
3562	Elevators and escalators	4	1	3	----------	152	452	47	77	250	558	15
3563	Conveyors	9	4	4	1	720	2,134	19	573	1,508	3,087	176
3564	Blowers and fans	4	1	3	----------	134	487	(d)	96	331	961	13
3566	Power-transmission equipment	17	7	5	5	4,118	14,085	575	3,102	9,847	24,591	1,479
3569	General industrial machinery, n.e.c.	27	13	7	7	3,877	12,695	1,160	2,751	8,149	20,211	695
358	Service and household machines	48	25	10	13	4,473	13,659	916	3,502	9,755	26,577	1,001
3585	Refrigeration machinery	28	14	5	9	2,436	7,147	451	1,894	5,275	11,153	554
359	Miscellaneous machinery parts	154	126	19	9	4,815	12,478	1,462	4,035	9,728	20,218	961
3591	Valves and fittings, except plumbers'	15	5	5	5	2,978	7,543	1,034	2,403	5,653	12,034	539
3599	Machine shops	133	116	13	4	1,783	4,711	(d)	1,586	3,901	7,719	416
36	ELECTRICAL MACHINERY	123	49	38	36	28,128	77,500	6,411	23,042	60,379	138,771	6,232
361	Electrical industrial apparatus	63	24	20	19	20,621	58,750	4,605	16,579	45,340	109,453	4,322
3614	Motors and generators	19	4	5	10	8,819	24,603	1,568	6,606	18,150	34,351	2,431
3616	Electrical control apparatus	19	9	3	7	9,917	29,186	2,657	8,591	23,657	67,620	1,599
3619	Electrical industrial apparatus, n.e.c.	4	2	2	----------	146	375	----------	128	259	579	17
3621	Electrical appliances	14	5	6	3	2,150	5,796	43	1,827	4,403	9,965	688
366	Communication equipment	13	6	5	2	1,062	2,195	18	866	1,845	3,058	198
369	Miscellaneous electrical products	27	12	6	9	3,301	8,350	1,537	2,882	6,716	12,175	860
3692	Primary batteries (dry and wet)	7	2	1	4	1,539	3,289	672	1,448	2,962	6,909	69
3693	X-ray and therapeutic apparatus	7	4	----------	3	996	3,062	51	749	2,087	1,881	(d)
37	TRANSPORTATION EQUIPMENT	121	73	22	26	30,328	89,953	15,681	25,789	74,258	165,998	11,626
371	Motor vehicles and equipment	54	27	8	19	25,464	76,173	14,331	21,568	62,914	147,706	7,641
373	Ships and boats	45	34	9	2	933	2,293	530	837	1,867	2,911	132
3731	Ship building and repairing	3	----------	1	2	360	1,089	n.a.	323	845	1,396	13
3732	Boat building and repairing	42	34	8	----------	573	1,204	n.a.	514	1,022	1,515	119
3799	Transportation equipment, n.e.c.	11	9	2	----------	104	239	(d)	87	192	543	(d)
38	INSTRUMENTS AND RELATED PRODUCTS	37	20	9	8	5,746	15,367	498	5,121	13,017	23,152	1,013
39	*MISCELLANEOUS MANUFACTURES*	246	188	37	21	9,545	23,841	3,978	8,067	17,896	52,331	1,450
394	Toys and sporting goods	72	*55*	*12*	*5*	*2,031*	*3,855*	*1,122*	*1,879*	3,155	6,955	351
3949	Sporting and athletic goods	42	33	7	2	896	1,219	347	825	956	2,052	*82*
399	Miscellaneous manufactures	112	88	16	8	3,426	8,475	2,041	3,012	6,420	15,295	414
3981	Brooms and brushes	18	14	3	1	288	730	147	228	472	1,234	93
3988	Morticians' goods	14	8	5	1	381	1,084	304	310	649	1,759	52
3991	Beauty and barber shop equipment	3	----------	----------	3	966	2,873	128	811	2,038	4,068	101
3993	Signs and advertising displays	49	42	7	----------	536	1,388	778	457	1,043	2,450	76

[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 MILWAUKEE METROPOLITAN AREA,[1] BY INDUSTRY: 1947

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

INDUSTRY		Number of establishments	All employees		Production workers		Value added by manufacture	Expenditures for new plant and equipment
No.	Title		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		
	All industries, total [2]	**1,963**	**177,202**	**$535,089**	**141,172**	**$396,832**	**$973,335**	**$63,942**
20	FOOD AND KINDRED PRODUCTS	248	19,532	61,082	14,777	42,825	176,240	20,878
201	Meat products	49	4,026	12,874	3,100	9,231	16,623	1,089
2011	Meat packing, wholesale	20	3,385	11,002	2,640	8,013	13,454	943
2013	Prepared meats	26	613	1,794	437	1,154	2,944	140
203	Canning, preserving, and freezing	12	456	980	379	681	2,110	142
205	Bakery products	54	3,724	9,897	2,320	4,764	15,681	853
207	Confectionery and related products	22	1,345	3,325	992	1,979	9,280	452
208	Beverages	50	8,325	29,542	6,785	23,343	118,517	17,184
2081	Bottled soft drinks	30	560	1,437	296	586	2,605	370
2082	Malt liquors	7	7,130	25,637	5,960	20,961	100,689	13,830
2083	Malt	7	569	2,309	485	1,695	14,727	2,949
209	Miscellaneous food preparations	36	995	2,402	752	1,580	8,305	329
2099	Food preparations, n.e.c.	16	302	591	255	415	1,655	105
21	TOBACCO MANUFACTURES	15	153	(d)	146	(d)	(d)	(d)
22	TEXTILE MILL PRODUCTS	31	4,368	10,526	4,004	9,024	20,033	1,564
225	Knitting mills	18	3,860	9,380	3,541	8,048	16,661	1,471
2253	Knit outerwear mills	8	523	1,267	461	847	2,177	60
23	APPAREL AND RELATED PRODUCTS	90	5,324	11,181	4,624	8,312	21,882	661
232	Men's and boys' furnishings	17	480	960	428	742	1,609	11
2329	Men's and boys' clothing, n.e.c.	4	154	330	127	213	530	1
233	Women's and misses' outerwear	19	2,165	4,246	1,830	2,957	9,984	227
239	Miscellaneous fabricated textiles	27	702	1,545	585	1,109	2,929	186
2399	Fabricated textile products, n.e.c.	13	236	569	203	438	1,400	90
24	LUMBER AND PRODUCTS, EXCEPT FURNITURE	52	1,188	2,996	1,039	2,289	5,467	135
243	Millwork and related products	26	475	1,315	395	942	1,959	54
244	Wooden containers	7	401	968	363	779	2,080	25
2499	Wood products, n.e.c.	15	135	266	117	177	375	56
25	FURNITURE AND FIXTURES	47	1,216	3,317	1,062	2,560	5,632	272
251	Household furniture	22	536	1,477	472	1,166	2,856	96
2511	Wood house furniture, except upholst.	10	289	727	269	610	1,428	58
2512	Household furniture, upholstered	7	119	398	99	273	617	4
256	Screens, shades, and blinds	8	186	501	161	374	879	97
26	PAPER AND ALLIED PRODUCTS	34	3,455	9,928	2,849	6,811	22,235	3,432
267	Paperboard containers and boxes	12	1,988	5,698	1,701	3,985	13,635	1,785
269	Pulp goods and misc. paper products	16	921	2,333	711	1,445	5,007	413
2699	Converted paper products, n.e.c.	12	863	2,177	660	1,307	4,706	406
27	PRINTING AND PUBLISHING INDUSTRIES	247	9,051	28,255	6,177	17,705	48,727	2,530
2721	Periodicals	17	289	978	114	333	1,632	63
2731	Books: publishing and printing	6	312	787	127	333	1,937	35
2751	Commercial printing	120	3,424	10,399	2,754	7,723	17,135	757
2761	Lithographing	34	1,463	4,988	1,191	3,551	8,939	592
278	Bookbinding and related industries	16	943	2,360	801	1,596	3,889	138
279	Printing trades service industries	33	568	2,295	416	1,564	3,546	143
2791	Typesetting	11	229	817	169	570	1,333	48
2793	Photoengraving	10	208	1,060	152	702	1,441	77
28	CHEMICALS AND ALLIED PRODUCTS	119	2,909	8,981	1,714	4,313	21,111	1,193
283	Drugs and medicines	14	651	1,938	277	567	2,702	251
2834	Pharmaceutical preparations	9	524	1,465	217	409	1,302	193
285	Paints and allied products	13	995	3,116	544	1,448	5,432	293
288	Vegetable and animal oils	5	101	370	81	273	1,221	37
289	Miscellaneous chemical products	46	837	2,618	617	1,535	9,249	502
29	PETROLEUM AND COAL PRODUCTS	8	703	2,217	589	1,760	5,387	243
30	RUBBER PRODUCTS	9	210	(d)	172	(d)	(d)	(d)
31	LEATHER AND LEATHER PRODUCTS	76	8,962	24,201	7,877	19,181	47,065	1,578
314	Footwear (except rubber)	20	3,629	9,103	3,102	7,181	13,239	370
315	Leather gloves and mittens	14	1,125	2,142	1,023	1,704	3,087	59
32	STONE, CLAY, AND GLASS PRODUCTS	79	1,368	4,123	1,118	3,050	7,137	680
3231	Products of purchased glass	12	216	775	176	618	1,239	182
327	Concrete and plaster products	32	485	1,554	387	1,136	3,277	327
3271	Concrete products	27	359	1,236	284	904	2,710	248
3281	Cut-stone and stone products	7	148	448	110	279	620	20
3298	Statuary and art goods	16	17	329	161	286	527	23
33	PRIMARY METAL INDUSTRIES	81	13,755	45,757	11,345	36,550	73,211	3,605
332	Iron and steel foundries	31	7,202	22,104	5,872	18,049	32,284	1,323
3321	Gray-iron foundries	18	3,850	10,987	2,951	8,987	15,081	766
339	Miscellaneous primary metal industries	19	4,110	15,826	3,512	12,843	28,950	1,704
34	FABRICATED METAL PRODUCTS	217	12,957	39,745	10,740	29,778	74,407	3,719
342	Cutlery, hand tools, and hardware	17	1,378	3,647	1,189	2,848	6,841	121
3429	Hardware, n.e.c.	7	1,190	3,185	1,027	2,469	5,837	86
343	Heating and plumbing equipment	8	1,835	5,629	1,517	4,442	8,339	873
344	Structural metal products	66	6,081	19,717	4,943	14,635	41,763	1,785
3443	Boiler shop products	18	3,024	10,076	2,406	7,462	20,563	1,000
3444	Sheet-metal work	27	1,705	5,028	1,484	3,986	13,364	436
346	Metal stamping and coating	61	2,189	6,309	1,858	4,805	10,166	388
3463	Metal stampings	31	1,538	4,651	1,287	3,551	7,721	290
3468	Plating and polishing	22	373	939	334	749	1,425	41
3471	Lighting fixtures	13	209	587	183	339	842	19
349	Miscellaneous fabricated metal products	37	1,087	3,365	900	2,370	5,456	289
3495	Screw-machine products	25	499	1,655	421	1,192	2,936	164

See footnotes at end of table.

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

No.	Industry	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Production workers: Number (average for the year)	Production workers: Wages, total	Value added by manufacture	Expenditures for new plant and equipment
35	MACHINERY (EXCEPT ELECTRICAL)	390	53,690	$168,679	41,231	$122,583	$262,546	$12,445
351	Engines and turbines	9	11,249	34,600	8,693	25,184	46,699	1,761
3531	Construction and mining machinery	22	8,972	29,437	6,897	21,731	50,850	2,576
354	Metalworking machinery	115	6,106	20,521	4,904	15,027	30,825	1,230
3541	Machine tools	9	3,443	11,169	2,640	7,666	16,563	630
3542	Metalworking machinery, n.e.c.	6	363	1,277	285	779	2,207	94
3543	Cutting tools, jigs, fixtures, etc.	100	2,300	8,075	1,979	6,582	12,055	506
355	Special-industry machinery, n.e.c.	70	4,916	14,953	3,636	10,636	22,871	850
3553	Woodworking machinery	4	391	1,168	342	951	1,697	64
3559	Special-industry machinery, n.e.c.	52	2,651	8,235	1,811	5,620	10,333	382
356	General industrial machinery	49	7,371	24,202	5,356	16,178	38,402	2,044
3561	Pumps and compressors	5	1,151	3,769	758	2,340	4,682	167
3562	Elevators and escalators	4	152	452	77	250	558	15
3564	Blowers and fans	4	134	487	96	331	961	13
3569	General industrial machinery, n.e.c.	14	1,755	5,579	1,240	3,481	9,087	318
3585	Refrigeration machinery	12	956	3,082	718	2,240	3,477	295
359	Miscellaneous machinery parts	87	3,532	9,166	2,917	6,990	14,940	762
3599	Machine shops	70	787	2,241	715	1,884	3,760	260
36	ELECTRICAL MACHINERY	65	20,679	58,552	16,507	44,778	103,018	4,546
361	Electrical industrial apparatus	38	17,282	49,876	13,672	38,005	92,574	3,281
3614	Motors and generators	6	6,025	16,928	4,158	11,710	20,104	1,467
3616	Electrical control apparatus	14	9,754	28,744	8,473	23,368	66,455	1,574
3619	Electrical industrial apparatus, n.e.c.	4	146	375	128	259	579	17
369	Miscellaneous electrical products	11	1,451	4,086	1,208	3,118	3,681	728
37	TRANSPORTATION EQUIPMENT	32	14,775	47,014	12,776	39,191	65,395	5,754
371	Motor vehicles and equipment	16	11,203	36,531	9,711	30,603	51,159	3,432
38	INSTRUMENTS AND RELATED PRODUCTS	20	992	2,884	804	2,077	4,897	277
39	MISCELLANEOUS MANUFACTURES	103	1,915	4,933	1,621	3,532	7,525	405
394	Toys and sporting goods	23	476	1,072	432	837	1,233	85
3941	Games and toys, n.e.c.	9	334	817	300	641	935	84
395	Office supplies	7	123	347	90	218	619	19
3971	Plastics products, n.e.c.	13	439	1,051	381	811	1,728	139
399	Miscellaneous manufactures	50	809	2,335	660	1,559	3,746	162
3981	Brooms and brushes	12	247	652	196	421	1,075	80
3988	Morticians' goods	7	120	401	93	197	593	11
3993	Signs and advertising displays	22	358	1,042	295	727	1,734	55

[d] Withheld to avoid disclosing figures for individual companies.
[1] The Milwaukee Metropolitan Area consists of Milwaukee County, Wisconsin.
[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 RACINE COUNTY, BY INDUSTRY GROUPS: 1947

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

[*Milwaukee County*, a principal industrial county, is coextensive with the Milwaukee Metropolitan Area. Its industry statistics are shown, therefore, in table 5]

No.	Industry group	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]	**264**	**22,512**	**$71,779**	**17,795**	**$51,546**	**$124,664**	**$7,808**
20	Food and kindred products	28	844	2,372	598	1,517	6,233	587
205	Bakery products	6	153	278	103	209	618	57
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	6	566	(d)	556	(d)	(d)	(d)
24	Lumber and products, except furniture	5	44	128	41	103	164	15
25	Furniture and fixtures	4	135	(d)	118	(d)	(d)	(d)
26	Paper and allied products	1	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	16	1,419	(d)	960	(d)	(d)	(d)
28	Chemicals and allied products	8	778	(d)	376	(d)	(d)	(d)
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	6	879	2,927	739	2,143	4,086	219
32	Stone, clay, and glass products	9	71	197	59	156	330	57
33	Primary metal industries	21	2,101	7,566	1,808	6,042	11,526	559
332	Iron and steel foundries	7	1,730	6,449	1,500	5,157	9,602	497
339	Miscellaneous primary metal industries	4	179	583	146	445	973	10
34	Fabricated metal products	45	2,982	9,163	2,533	7,077	16,138	527
343	Heating and plumbing equipment	4	1,311	4,167	1,051	3,125	8,219	211
346	Metal stamping and coating	19	394	1,289	347	972	2,279	152
349	Miscellaneous fabricated metal products	11	318	993	269	731	1,583	9
35	Machinery (except electrical)	82	9,735	31,218	7,511	22,938	49,212	3,028
352	Tractors and farm machinery	9	5,003	15,140	4,049	12,064	22,621	1,698
354	Metalworking machinery	28	768	2,578	596	1,786	4,539	372
356	General industrial machinery	9	2,445	8,532	1,640	5,364	13,095	421
36	Electrical machinery	11	1,438	3,931	1,195	3,019	7,302	297
361	Electrical industrial apparatus	5	278	833	229	657	1,797	15
37	Transportation equipment	3	34	(d)	31	(d)	(d)	(d)
38	Instruments and related products	1	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	13	1,195	3,345	1,008	2,460	4,633	142
399	Miscellaneous manufactures	6	983	2,912	825	2,070	4,116	105

[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	6,979	2,328	38	86	175	580	141	169	754	217	32	19	159	311	193	451	799	123	121	37	246
1-19 employees	4,780	1,825	34	30	82	420	70	28	620	164	21	11	50	267	76	256	496	49	73	20	188
20-99 employees	1,464	412	4	30	69	120	46	64	106	42	10	4	51	37	60	127	176	38	22	9	37
100 employees and over	735	91	----	26	24	40	25	77	28	11	1	4	58	7	57	68	127	36	26	8	21
Adams:																					
1-19 employees	6	1	----	----	----	4	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----
Ashland:																					
1-19 employees	34	13	----	----	----	9	----	----	4	----	1	----	----	2	----	1	----	----	1	----	3
20-99 employees	6	1	----	----	----	1	----	2	1	----	----	----	----	----	1	----	----	----	----	----	----
100 employees and over	3	----	----	----	----	3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Barron:																					
1-19 employees	65	26	----	----	----	24	----	----	5	2	----	----	----	3	----	----	2	----	2	----	1
20-99 employees	12	7	----	----	1	1	1	----	----	----	----	----	1	----	----	1	----	----	----	----	----
100 employees and over	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Bayfield:																					
1-19 employees	28	15	----	----	----	11	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----
20-99 employees	2	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
100 employees and over	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----
Brown:																					
1-19 employees	118	48	2	----	1	2	3	----	20	5	2	----	1	9	1	8	11	1	1	2	1
20-99 employees	50	13	----	----	2	3	5	8	2	2	1	----	2	1	1	2	5	----	----	2	1
100 employees and over	23	8	----	----	----	----	1	9	1	----	----	----	1	----	1	----	2	----	----	----	----
Buffalo:																					
1-19 employees	21	9	----	----	----	9	----	----	2	----	----	----	----	1	----	----	----	----	----	----	----
20-99 employees	4	3	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Burnett:																					
1-19 employees	9	2	----	----	----	6	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----
20-99 employees	1	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Calumet:																					
1-19 employees	45	26	1	----	----	1	----	----	5	1	----	----	1	2	1	1	4	----	2	----	----
20-99 employees	13	8	----	----	----	1	----	----	----	----	----	----	----	----	----	1	3	----	----	----	----
100 employees and over	4	----	----	----	----	1	----	----	----	----	----	----	1	----	1	----	1	----	----	----	----
Chippewa:																					
1-19 employees	55	28	1	----	----	10	----	----	9	1	----	----	1	----	1	1	1	1	----	----	1
20-99 employees	19	6	----	----	1	4	1	1	1	----	----	----	3	1	----	----	1	----	----	----	----
100 employees and over	4	----	----	1	----	----	----	1	----	----	----	----	2	----	----	----	----	----	----	----	----
Clark:																					
1-19 employees	76	55	----	----	----	9	----	----	7	----	----	----	----	4	----	1	----	----	----	----	----
20-99 employees	12	6	----	----	----	3	----	1	----	----	----	----	----	----	----	----	1	1	----	----	----
100 employees and over	2	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Columbia:																					
1-19 employees	52	30	----	----	----	1	1	----	11	1	----	----	1	3	----	1	1	----	1	----	1
20-99 employees	12	10	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	1
100 employees and over	6	3	----	1	----	1	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----
Crawford:																					
1-19 employees	40	29	----	----	----	2	1	----	4	1	----	----	----	1	----	----	1	----	----	----	1
20-99 employees	4	1	----	----	----	1	----	----	----	1	----	----	----	1	----	----	----	----	----	----	----
100 employees and over	2	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----
Dane:																					
1-19 employees	183	74	----	----	1	3	2	1	45	4	----	----	----	5	2	18	10	----	6	1	11
20-99 employees	40	17	----	----	1	----	1	----	4	2	----	----	1	2	2	3	5	1	1	----	----
100 employees and over	15	2	----	----	----	----	----	1	3	2	----	----	----	1	1	----	1	1	1	2	----
Dodge:																					
1-19 employees	131	97	----	----	----	1	1	----	10	2	----	----	1	4	1	5	7	----	----	----	2
20-99 employees	24	15	----	2	----	----	----	1	----	----	----	----	1	1	2	----	2	----	----	----	----
100 employees and over	15	6	----	----	----	----	----	----	----	----	----	1	2	----	1	4	1	----	----	----	----
Door:																					
1-19 employees	32	20	----	----	1	5	----	----	1	----	1	----	----	1	----	----	1	----	1	----	1
20-99 employees	8	4	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	3	----	----
100 employees and over	3	1	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	----	----
Douglas:																					
1-19 employees	31	5	2	----	3	7	1	----	5	----	1	----	2	3	1	----	----	----	1	----	----
20-99 employees	20	8	----	1	----	2	----	----	2	----	3	----	----	----	----	2	1	----	1	----	----
100 employees and over	2	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	----	----
Dunn:																					
1-19 employees	28	12	2	----	----	4	----	----	4	1	----	----	----	2	2	----	1	----	----	----	----
20-99 employees	7	3	----	----	----	2	----	----	----	1	----	----	----	1	----	----	----	----	----	----	----
100 employees and over	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----
Eau Claire:																					
1-19 employees	41	12	1	----	----	3	1	1	7	2	----	----	2	4	----	2	3	----	1	----	2
20-99 employees	22	11	----	----	----	----	1	2	3	----	----	----	----	1	----	1	3	----	----	----	----
100 employees and over	7	2	----	----	----	----	----	2	----	----	----	1	----	----	----	1	1	----	----	----	----
Florence:																					
1-19 employees	4	1	----	----	----	2	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----
Fond du Lac:																					
1-19 employees	97	47	----	1	1	2	1	----	15	4	1	----	----	10	2	3	4	----	----	1	5
20-99 employees	32	16	----	1	2	1	----	1	1	----	----	----	----	----	1	6	1	----	1	----	1
100 employees and over	17	2	----	2	2	----	----	----	----	----	----	----	3	----	----	1	5	1	----	----	1
Forest:																					
1-19 employees	12	3	----	----	----	7	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----
20-99 employees	5	1	----	----	----	4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
100 employees and over	1	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Grant:																					
1-19 employees	80	53	----	----	----	3	----	----	12	2	----	----	----	7	----	1	1	----	----	----	1
20-99 employees	5	4	----	----	----	----	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
Green:																					
1-19 employees	74	60	1	1	1	1			5	1						1	2	1			
20-99 employees	10	8							1							1					
100 employees and over	1																	1			
Green Lake:																					
1-19 employees	31	10	1		3	2			6				3	2		1	2		1		
20-99 employees	13	6			2								5								
100 employees and over	2			1													1				
Iowa:																					
1-19 employees	60	54				1			2					1		1			1		
20-99 employees	3	2																1			
100 employees and over	1																	1			
Iron:																					
1-19 employees	13	7				1			2					2			1				
20-99 employees	2	1				1															
Jackson:																					
1-19 employees	19	11				4			2					2							
20-99 employees	3					2											1				
Jefferson:																					
1-19 employees	57	25		4	2	4			10					1		2	7		1		1
20-99 employees	27	8		2	2	2	3		2			1	1		2	2	2				
100 employees and over	17	4				1	1		1				3			3	4				
Juneau:																					
1-19 employees	18	9				4	1		2	1				1							
20-99 employees	8	2			3	1				1								1			
Kenosha:																					
1-19 employees	53	10			1	3			4		1			5	2	4	17	2			4
20-99 employees	16	2					1		4	1					2	1	4		1		
100 employees and over	14			2		1	2			1					3	2	1	1	1		
Kewaunee:																					
1-19 employees	46	29			1	7	2		3							2	1		1		
20-99 employees	6			1	1	2										1	1				
100 employees and over	4					1	1									1	1				
La Crosse:																					
1-19 employees	77	24	1		2	6	1	1	13	1	1			8	1	1	8		1		8
20-99 employees	25	10			1	1	1				1				2	4	3		2		
100 employees and over	12	2			1	1			1			1		1		2	1		1	1	
Lafayette:																					
1-19 employees	48	44							4												
20-99 employees	3	2													1						
Langlade:																					
1-19 employees	18	8				7			1	1									1		
20-99 employees	10	2				6			1				1								
100 employees and over	2					1							1								
Lincoln:																					
1-19 employees	28	16				6	1		1					2			1		1		
20-99 employees	19	3		1	3	6	1	1	1						1	1					1
100 employees and over	6					2		3					1								
Manitowoc:																					
1-19 employees	113	56	1	2	2	5	2	3	14					10	2	3	5	2	1		5
20-99 employees	27	11		1	1				2	1				2		3	5			1	
100 employees and over	24	4			1	1	3	1						1	1	6	2	2	1		1
Marathon:																					
1-19 employees	124	77	1		1	15	1	1	12	4		1		5		1		1			4
20-99 employees	19	9				3		1	1	1				1		1			1		1
100 employees and over	22					6		7		1			1	1	1		3	2			
Marinette:																					
1-19 employees	45	18			1	12			5					4			1	1			3
20-99 employees	15	3			1	2	1	3	1					1					3		
100 employees and over	10			1		2		5		1			1								
Marquette:																					
1-19 employees	14	6				3			3					1	1						
20-99 employees	3				1											1		1			
Milwaukee:																					
1-19 employees	1,194	149	11	13	46	33	29	9	174	89	4	7	30	62	26	130	248	29	15	14	76
20-99 employees	510	67	4	12	31	18	15	15	57	26	3	1	25	15	24	60	87	18	5	3	24
100 employees and over	259	32		6	13	1	3	10	16	4	1	1	21	2	31	27	55	18	12	3	3
Monroe:																					
1-19 employees	26	12				5			4					2		1	1				1
20-99 employees	5	4						1													
Oconto:																					
1-19 employees	53	32			1	11			1	3			1	2		1					1
20-99 employees	11	5				2		2					2								
100 employees and over	3	1				1		1													
Oneida:																					
1-19 employees	23	5				6			3					3					2		4
20-99 employees	5	2				1		1	1												
100 employees and over	4					1		2	1												
Outagamie:																					
1-19 employees	95	46	1	3		4	1	3	10	2		1		6	1	5	6		3		3
20-99 employees	28	13				5	2	2	2						1	1		1	1		
100 employees and over	30	3		3			1	12	1						1	2	4	1			2
Ozaukee:																					
1-19 employees	42	17				3	1		5	1	1			1	1	3	8				1
20-99 employees	18	3		2	2					1					3	1	4	2			
100 employees and over	12	1				1	1						3		1		5				
Pepin:																					
1-19 employees	10	4				3			1	1				1							
20-99 employees	3	2															1				
Pierce:																					
1-19 employees	24	8				4			7	1				3							1
20-99 employees	5	2				3															
100 employees and over	1				1																
Polk:																					
1-19 employees	42	20		1		9			8					4							
20-99 employees	6	5			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
Portage:																					
1-19 employees	34	13				6	1		2	1			1	6			2	1			1
20-99 employees	11	4				2		2	2												1
100 employees and over	7						2	3													2
Price:																					
1-19 employees	25	10				9			3							1			1		
20-99 employees	7	1			1	3		2													1
100 employees and over	2					1		1													
Racine:																					
1-19 employees	165	18	1		3	5	2	1	13	7	2		1	9	9	25	53	4	3	1	8
20-99 employees	54	8			1		2		1			1	2		6	12	15	5			1
100 employees and over	45	2		1	2				2	1			3		6	8	14	2			4
Richland:																					
1-19 employees	42	31				5			5												1
20-99 employees	4	3															1				
Rock:																					
1-19 employees	59	15			1			1	12	3		1	1	4	1	5	10	1	3		1
20-99 employees	27	9		2	3	1	1	1	1						1	1	5	2			
100 employees and over	20			1			1		1				2				7	3	4		1
Rusk:																					
1-19 employees	26	7				8		1	5					3	1						1
20-99 employees	4	1				1		2													
100 employees and over	1	1																			
St. Croix:																					
1-19 employees	29	14				2			6	1				3		1	1		1		
20-99 employees	5	4																			1
100 employees and over	3	2															1				
Sauk:																					
1-19 employees	51	20		1		12	1		8					4			3		1		1
20-99 employees	10	6			1	1								1						1	
100 employees and over	2			2																	
Sawyer:																					
1-19 employees	18	1				10			2					1					3		1
20-99 employees	2					1	1														
Shawano:																					
1-19 employees	68	54			1	4	1		6					1					1		
20-99 employees	13	2				10			1												
100 employees and over	3	1				1		1													
Sheboygan:																					
1-19 employees	144	61	4	1	6	3	10	1	13	8	4		3	10	5		7	1			7
20-99 employees	51	16		1	1	4	4	3	2	1	1		2		4	5	5				2
100 employees and over	33	5		1	1	3	6	1					5	1		3	3	1			3
Taylor:																					
1-19 employees	25	13				9			2							1					
20-99 employees	4	3				1															
100 employees and over	2					2															
Trempealeau:																					
1-19 employees	39	20				10			6					3							
20-99 employees	8	6				1											1				
Vernon:																					
1-19 employees	31	23				1			5					2							
20-99 employees	3	3																			
Vilas:																					
1-19 employees	10					6			1					3							
20-99 employees	3					2															
100 employees and over	1					1												1			
Walworth:																					
1-19 employees	49	11	1			4	1		7	1				3	1	3	7	1	5		4
20-99 employees	19	5			3				1				1	2	2	1	2			1	1
100 employees and over	6			1											1		1	1		1	1
Washburn:																					
1-19 employees	16	3				7			2							1			3		
20-99 employees	4	2				1													1		
Washington:																					
1-19 employees	52	21		1		1			5	3				1	1	4	9	1	2		3
20-99 employees	14	4											1	1		2	3	2	1		
100 employees and over	11	2											3		1	2	1		2		
Waukesha:																					
1-19 employees	100	9			1	5	2		10	5		1	1	9	8	12	30		1		6
20-99 employees	29	7				1	2		1	2	1		1	2	2	3	4	1		1	1
100 employees and over	18	3											1		5	2	7				
Waupaca:																					
1-19 employees	73	34	1			10	2	3	9					5	1		3		3		2
20-99 employees	17	5		2	1	3								2		2	1				1
100 employees and over	3	1				1													1		
Waushara:																					
1-19 employees	17	7				4			3							1	1				1
20-99 employees	4	2				2															
Winnebago:																					
1-19 employees	103	39	1	2	1	5		2	18	3	2			3	3	4	9	2	1	1	7
20-99 employees	60	9		2	1	4	1	11	7	2		1	2	1	1	7	9	1	1		
100 employees and over	32			2	2	5	2	9	1				1		2	1	2	1	2	1	1
Wood:																					
1-19 employees	69	38			1	10			4	1				8			6				1
20-99 employees	13	6				1	1	1	3						1						
100 employees and over	14				1			8					1			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	**$1,184,247**	**416,448**	**412,048**	**402,664**	**404,992**	**408,737**	**405,601**	**403,310**	**406,708**	**428,242**	**420,741**	**422,675**	**411,446**	**414,889**	**414,574**
20	Food and kindred products	144,766	55,276	54,152	46,029	45,669	45,919	46,593	47,737	50,334	76,489	64,053	68,399	54,176	54,559	49,868
22	Textile mill products	25,226	11,110	11,080	11,008	11,224	11,191	10,718	10,508	10,814	10,593	11,085	11,191	11,438	11,661	11,532
23	Apparel and related products	19,139	9,666	9,497	9,904	10,059	10,034	9,776	9,329	9,312	8,747	9,222	9,176	9,491	9,455	9,461
24	Lumber and products, exc. furniture	35,732	15,813	15,529	15,647	15,973	16,160	15,786	15,372	15,540	15,123	15,166	15,228	15,261	15,329	15,760
25	Furniture and fixtures	34,097	12,615	12,439	12,183	12,408	12,416	12,178	11,984	12,150	12,182	12,360	12,441	12,776	12,990	13,199
26	Paper and allied products	81,850	28,144	28,142	27,728	27,742	27,770	27,748	27,704	28,211	28,228	28,499	28,338	28,203	28,638	28,899
27	Printing and publishing industries	49,489	16,542	16,419	15,998	15,955	16,215	16,334	16,338	16,349	16,303	16,363	16,489	16,813	16,920	16,949
28	Chemicals and allied products	18,249	5,890	5,767	5,669	5,775	5,831	5,809	5,707	5,638	5,585	5,742	5,786	5,856	5,895	5,916
29	Petroleum and coal products	3,177	1,066	1,064	1,100	1,084	1,066	1,027	1,020	1,039	1,056	1,062	1,074	1,062	1,086	1,089
31	Leather and leather products	51,801	21,274	21,230	20,720	21,098	21,118	20,965	20,788	20,933	20,716	21,384	21,301	21,823	22,006	21,903
33	Primary metal industries	80,116	24,478	24,401	24,578	24,989	25,038	24,414	24,279	24,518	24,152	24,209	23,919	23,684	24,327	24,711
34	Fabricated metal products	109,528	36,503	36,038	35,801	36,197	36,482	36,240	35,630	35,207	34,870	35,681	35,964	36,217	36,875	37,292
35	Machinery (except electrical)	290,227	94,048	93,165	91,581	92,246	93,340	93,211	93,397	93,708	93,572	93,532	91,301	93,413	93,775	94,903
36	Electrical machinery	77,500	28,128	28,058	29,579	29,609	29,855	28,379	27,745	27,645	27,141	27,399	27,394	27,124	27,096	27,734
37	Transportation equipment	89,953	30,328	30,193	30,366	29,700	30,765	30,898	30,372	30,416	29,198	30,726	30,294	29,296	29,456	30,825
38	Instruments and related products	15,367	5,746	5,723	5,627	5,750	5,876	5,964	5,878	5,710	5,467	5,674	5,735	5,698	5,677	5,624
39	Miscellaneous manufactures	23,841	9,545	9,113	9,324	9,544	9,566	9,416	9,310	9,004	8,680	8,558	8,618	8,984	9,253	9,097
	All other major industry groups	34,189	10,276	10,038	9,822	9,970	10,095	10,145	10,212	10,180	10,140	10,026	10,027	10,131	9,891	9,812

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

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

ITEM	Total for the State	Milwaukee Metropolitan Area [1]	Racine County
ALL ESTABLISHMENTS			
Number of establishments	6,979	1,963	264
Number of employees (average for the year)	416,448	177,202	22,512
Salaries and wages, total	$1,184,247	$535,089	$71,779
Value added by manufacture	$2,200,574	$973,335	$124,664
Establishments by employment size group:			
1-4 employees	2,718	530	74
5-9 employees	1,157	336	48
10-19 employees	905	328	43
20-49 employees	924	345	35
50-99 employees	540	165	19
100-249 employees	411	129	23
250-499 employees	176	59	9
500-999 employees	78	33	9
1,000-2,499 employees	56	28	4
2,500 employees and over	14	10	----------
ESTABLISHMENTS REPORTING DETAILED STATISTICS			
Number of establishments	5,055	1,510	187
Number of employees (average for the year)	409,395	175,311	22,151
Salaries and wages, total	$1,170,733	$530,835	$70,973
Value added by manufacture	$2,233,613	$967,010	$123,327

ITEM	Total for the State	Milwaukee Metropolitan Area [1]	Racine County
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of employees for pay period ended nearest Oct. 15:			
All employees	410,266	177,202	23,049
Male	317,827	137,621	17,851
Female	92,439	39,581	5,198
Production workers	337,363	141,941	18,282
Male	269,594	113,931	14,769
Female	67,769	28,010	3,513
Force-account construction workers	1,072	225	----------
Administrative, supervisory, sales, and all other	71,831	35,036	4,767
Male	47,162	23,504	3,082
Female	24,669	11,532	1,685
Expenditures for plant and equipment:			
New plant and equipment	$162,787	$63,942	$7,808
Construction and major alteration of fixed plants	55,189	23,403	2,180
Buildings	50,419	20,900	1,993
Other construction	4,770	2,503	187
Machinery and equipment	107,598	40,539	5,628
Production machinery and equipment	94,664	35,489	4,820
Other machinery and equipment	12,934	5,050	808
Used plant and equipment and land	18,547	7,202	1,631

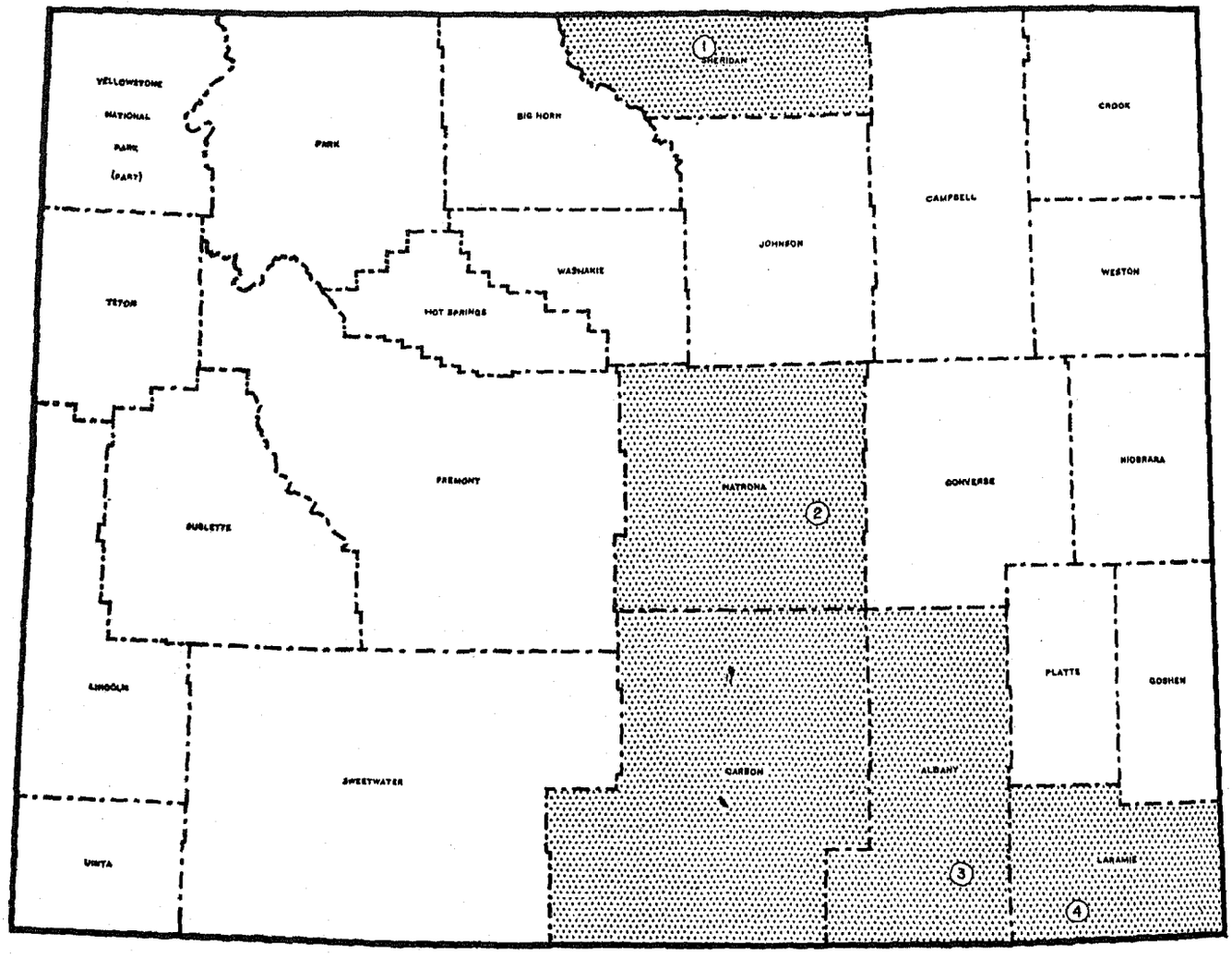
[1] *Milwaukee County*, a principal industrial county, is coextensive with the Milwaukee Metropolitan Area.

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	9,277	3,118	4,029	1,556	285	191	98	111	348
Van	1,062	----------	446	424	98	54	40	----------	----------
Stake or platform	3,560	439	2,215	695	106	82	23	----------	----------
Panel or light delivery	2,721	2,331	390	----------	----------	----------	----------	----------	----------
All other	1,934	348	978	437	81	55	35	----------	----------
Truck tractors	692	20	144	259	145	76	48	----------	----------
Trailers and semitrailers	831	----------	----------	----------	----------	----------	----------	198	38

WYOMING

DISTRIBUTION OF MANUFACTURING EMPLOYMENT, BY COUNTIES: 1947



KEY TO PLACES

Casper	2
Cheyenne	4
Laramie	3
Sheridan	1

NUMBER OF MANUFACTURING EMPLOYEES

UNDER 500

500 TO 2,499

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	256	5,607	$16,696	4,285	$12,291	$34,957
1939 [3]	300	4,416	6,641	3,351	4,613	15,336
1937	235	4,619	6,930	3,795	5,219	16,101
1935 [4]	209	3,854	5,459	3,172	4,072	12,600
1933	160	n.a.	n.a.	3,833	5,005	8,720
1931	205	n.a.	n.a.	4,808	7,879	15,488
1929	248	7,154	12,544	6,258	10,255	33,628
1927	229	n.a.	n.a.	5,577	9,066	21,627
1925	224	n.a.	n.a.	6,333	10,526	31,911
1923	246	n.a.	n.a.	7,510	12,502	40,937
1921	254	n.a.	n.a.	7,254	13,890	31,926
1919	437	7,108	12,227	6,271	10,587	38,142
1914	331	3,384	2,826	2,970	2,295	5,638
1909	268	3,130	2,392	2,867	2,081	3,641
1904	169	2,013	1,467	1,834	1,261	2,222
1899	139	2,147	1,300	2,060	1,209	1,899

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 $15.6 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 $14.4 million. The comparability of the figures for 1899–1933 with those for later years is also affected to the extent that the following small industries, no longer classified as manufacturing, were represented in the State prior to the year shown in parentheses: "Peanuts and walnuts, processed or shelled" (1933), "Motion pictures" (1931), "Flax and hemp, dressed" (1931), and "Grindstones, pulpstones, and millstones" (1929).

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

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

COUNTY AND PLACE	Population, 1940	1947						1939		
		Number of establishments	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
The State	**250,742**	**256**	**5,607**	**$16,696**	**4,285**	**$12,291**	**$34,957**	**300**	**3,351**	**$15,336**
COUNTIES										
Albany	13,946	15	603	1,517	497	1,243	2,177	22	356	978
Big Horn	12,911	14	417	1,266	353	1,003	3,197	14	261	(d)
Campbell	6,048	1	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Carbon	12,644	13	693	(d)	512	(d)	(d)	24	330	(d)
Converse	6,631	7	104	342	91	281	1,455	8	94	(d)
Crook	5,463	17	127	202	123	195	395	8	137	330
Fremont	16,095	12	116	300	101	245	566	19	181	395
Goshen	12,207	11	264	635	222	512	1,930	11	181	(d)
Hot Springs	4,607	7	72	(d)	53	(d)	(d)	7	43	(d)
Johnson	4,980	7	70	125	60	105	367	4	8	20
Laramie	33,651	24	569	1,695	398	1,049	4,953	24	187	839
Lincoln	10,286	17	60	165	50	143	308	18	121	165
Natrona	23,858	27	1,287	4,712	953	3,420	7,363	37	602	3,998
Niobrara	5,988	5	23	42	15	30	94	8	16	55
Park	10,976	9	218	(d)	125	(d)	(d)	16	104	(d)
Platte	8,013	5	22	44	18	37	101	5	64	(d)
Sheridan	19,255	26	515	1,277	386	937	2,601	23	314	1,149
Sublette	2,778	2	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Sweetwater	19,407	7	56	167	29	78	314	13	39	186
Teton	2,543	6	17	21	15	19	50	3	6	19
Uinta	7,223	5	54	(d)	46	(d)	(d)	7	48	(d)
Washakie	5,858	10	212	513	163	402	1,127	7	142	(d)
Weston	4,958	9	96	273	65	191	471	18	104	1,026
Yellowstone National Park (part)	416									
URBAN PLACES										
Casper	17,964	23	1,020	(d)	751	(d)	(d)	28	437	(d)
Cheyenne	22,474	22	(d)	(d)	(d)	(d)	(d)	20	(d)	(d)
Laramie	10,627	7	178	445	133	327	553	11	48	142
Sheridan	10,529	17	364	912	271	657	1,724	19	122	639

[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	**256**	**5,607**	**$16,696**	**4,285**	**8,888**	**$12,291**	**$34,957**	**$10,235**	**$8,756**	**$1,479**	**300**	**3,351**	**$15,336**
20	Food and kindred products	78	1,379	3,426	1,053	2,303	2,477	7,834	592	122	470	123	974	4,014
24	Lumber and products, except furniture	76	900	1,987	856	1,711	1,849	3,566	312	44	268	55	863	1,459
27	Printing and publishing industries	47	486	1,293	274	526	718	2,209	45	20	25	54	235	1,200
28	Chemicals and allied products	3	25	70	21	49	57	33	----------	----------	----------	4	9	43
29	Petroleum and coal products	22	2,230	8,255	1,587	3,242	5,824	18,363	9,061	8,495	566	38	1,004	7,146
32	Stone, clay, and glass products	15	330	900	265	567	725	1,489	162	64	98	11	208	1,200
35	Machinery (except electrical)	7	124	312	111	249	262	752	16	6	10	6	13	84
	All other major industry groups	8	133	453	118	241	379	711	47	5	42	9	45	190

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]	**256**	**201**	**42**	**13**	**5,607**	**$16,696**	**3,351**	**4,285**	**$12,291**	**$34,957**	**$10,235**
20	Foods and kindred products	78	63	11	4	1,379	3,426	974	1,053	2,477	7,834	592
2051	Bread and other bakery products	29	25	4	----------	288	592	[2] 201	226	426	1,128	124
208	Beverages	16	14	2	----------	225	624	82	164	404	1,397	183
24	Lumber and products, except furniture	76	64	11	1	900	1,987	863	856	1,849	3,566	312
2421	Sawmills and planing mills, general	65	55	9	1	689	1,473	691	657	1,385	2,656	263
249	Miscellaneous wood products	6	4	2	----------	174	438	(d)	162	388	807	36
25	Furniture and fixtures	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
27	Printing and publishing industries	47	39	8	----------	486	1,293	235	274	718	2,209	45
2711	Newspapers	35	29	6	----------	386	1,050	198	192	525	1,849	35
28	Chemicals and allied products	3	3	----------	----------	25	70	9	21	57	33	----------
29	Petroleum and coal products	22	8	7	7	2,230	8,255	1,004	1,587	5,824	18,363	9,061
2911	Petroleum refining	22	8	7	7	2,230	8,255	([3])	1,587	5,824	18,363	9,061
31	Leather and leather products	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
32	Stone, clay, and glass products	15	13	1	1	330	900	208	265	725	1,489	162
34	Fabricated metal products	2	----------	2	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
35	Machinery (except electrical)	7	5	2	----------	124	312	13	111	262	752	16
36	Electrical machinery	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
37	Transportation equipment	1	1	----------	----------	(d)	(d)	(d)	(d)	(d)	(d)	(d)
39	Miscellaneous manufactures	2	2	----------	----------	(d)	(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 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 1947, "Petroleum and coal products" contained only establishments classified in "Petroleum refining"; in 1939 it also contained an establishment classified in another industry of this major group. In order to avoid disclosing the number of production workers employed in this establishment in 1939, figures for the "Petroleum refining" industry are withheld.

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	256	78				76	1		47	3	22		1	15		2	7	1	1		2
1-19 employees	201	63				64	1		39	3	8		1	13			5	1	1		2
20-99 employees	42	11				11			8		7			1		2	2				
100 employees and over	13	4				1					7			1							
Albany:																					
1-19 employees	6	1				2			1					1							1
20-99 employees	8	1				6			1												
100 employees and over	1													1							
Big Horn:																					
1-19 employees	8	3				1			3								1				
20-99 employees	4	1									2			1							
100 employees and over	2	1									1										
Campbell:																					
1-19 employees	1								1												
Carbon:																					
1-19 employees	8					5			1	1				1							
20-99 employees	3	1				1			1												
100 employees and over	2					1					1										
Converse:																					
1-19 employees	6					2			3								1				
20-99 employees	1										1										
Crook:																					
1-19 employees	16					15			1												
20-99 employees	1					1															
Fremont:																					
1-19 employees	11	4				4			1		1			1							
20-99 employees	1					1															
Goshen:																					
1-19 employees	9	4							2		1			2			1				
20-99 employees	1																				
100 employees and over	1	1																			
Hot Springs:																					
1-19 employees	6	2				1			1					2							
20-99 employees	1										1										
Johnson:																					
1-19 employees	6	1				4			1												
20-99 employees	1					1															
Laramie:																					
1-19 employees	18	10				1			3					1			1	1			1
20-99 employees	5	2							2								1				
100 employees and over	1										1										
Lincoln:																					
1-19 employees	17	4				10			2										1		
Natrona:																					
1-19 employees	20	12				1			2	2				3							
20-99 employees	4	1							2							1					
100 employees and over	3										3										
Niobrara:																					
1-19 employees	5	1							2		2										
Park:																					
1-19 employees	7	1				2	1		3												
20-99 employees	1										1										
100 employees and over	1										1										
Platte:																					
1-19 employees	5	2							2								1				
Sheridan:																					
1-19 employees	18	5				5			5				1	2							
20-99 employees	7	4				1			1							1					
100 employees and over	1	1																			
Sublette:																					
1-19 employees	2					1					1										
Sweetwater:																					
1-19 employees	6	5							1												
20-99 employees	1								1												
Teton:																					
1-19 employees	6	2				3			1												
Uinta:																					
1-19 employees	4	1				1			1		1										
20-99 employees	1	1															1				
Washakie:																					
1-19 employees	9	3				4			1												
100 employees and over	1	1																			
Weston:																					
1-19 employees	7	2				2			1		2										
20-99 employees	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	$16,696	5,607	5,467	4,717	4,668	4,680	4,742	4,900	5,466	5,837	5,848	5,787	6,561	6,452	5,953
20	Food and kindred products	3,426	1,379	1,294	934	900	929	949	1,008	1,042	1,164	1,173	1,230	2,185	2,200	1,814
24	Lumber and products, exc. furniture	1,987	900	865	724	709	653	571	643	1,007	1,195	1,181	1,093	990	878	742
27	Printing and publishing industries	1,293	486	485	471	477	467	477	475	484	492	490	493	491	498	501
28	Chemicals and allied products	70	25	22	21	22	23	24	24	24	22	23	22	22	22	20
29	Petroleum and coal products	8,255	2,230	2,228	1,993	2,014	2,059	2,132	2,181	2,318	2,364	2,378	2,365	2,312	2,305	2,318
32	Stone, clay, and glass products	900	330	328	310	288	302	342	325	337	339	348	350	340	330	327
35	Machinery (except electrical)	312	124	117	128	126	115	130	127	131	132	127	103	96	90	95
	All other major industry groups	453	133	128	136	132	132	117	117	123	129	128	131	125	129	136

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	256
Number of employees (average for the year)	5,607
Salaries and wages, total	$16,696
Value added by manufacture	$34,957
Establishments by employment size group:	
1–4 employees	98
5–9 employees	72
10–19 employees	31
20–49 employees	33
50–99 employees	9
100–249 employees	11
250–499 employees	1
500–999 employees	1
1,000–2,499 employees	
2,500 employees and over	
ESTABLISHMENTS REPORTING DETAILED STATISTICS	
Number of establishments	158
Number of employees (average for the year)	5,171
Salaries and wages, total	$15,862
Value added by manufacture	$33,554

ITEM	Total for the State
ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued	
Number of employees for pay period ended nearest Oct. 15:	
All employees	6,216
Male	5,655
Female	561
Production workers	4,929
Male	4,666
Female	263
Force-account construction workers	104
Administrative, supervisory, sales, and all other	1,183
Male	885
Female	298
Expenditures for plant and equipment:	
New plant and equipment	$10,235
Construction and major alteration of fixed plants	8,756
Buildings	677
Other construction	8,079
Machinery and equipment	1,479
Production machinery and equipment	979
Other machinery and equipment	500
Used plant and equipment and land	1,359

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	361	154	145	44	7	6	5	10	2
Van	14		3	8	1	2			
Stake or platform	83	11	51	14	1	3	3		
Panel or light delivery	140	126	14						
All other	124	17	77	22	5	1	2		
Truck tractors	52		15	18	11	5	3		
Trailers and semitrailers	56							7	