OKLAHOMA.

Table 1 shows the manufacturing and mechanical industries of the territory of Oklahoma as returned at the censuses of 1890 (the first census at which separate totals were published) and 1900, with the percentages of increase for the decade.

TABLE 1.—COMPARATIVE SUMMARY, 1890 AND 1900, WITH PER CENT OF INCREASE FOR THE DECADE.

	DATE OF CENSUS.		Per cent of increase, 1890 to 1900.
	1900	1890	
Number of establishments	870	72	1,108.3
Capital	$3,352,064	$95,519	3,409.3
Salaried officials, clerks, etc., number	292	[1]48	320.8
Salaries	$159,554	[1]$19,592	714.4
Wage-earners, average number	2,054	147	1,297.3
Total wages	$807,826	$52,326	1,443.3
Men, 16 years and over	1,876	133	1,310.5
Wages	$775,707	$50,660	1,431.2
Women, 16 years and over	140	3	4,566.7
Wages	$27,180	$620	4,283.9
Children, under 16 years	38	11	245.5
Wages	$4,939	$1,046	372.2
Miscellaneous expenses	$246,081	$21,970	1,020.1
Cost of materials used	$4,449,944	$56,518	7,773.5
Value of products, including custom work and repairing	$7,083,938	$180,445	3,825.3

[1] Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 6.)

There has been a remarkable increase in the manufacturing and mechanical industries of this territory since 1890, an increase even more striking than the increase in population (518.2 per cent), exceeding that of any other state or territory. The number of establishments has increased over elevenfold, and the value of products over thirty-eightfold. Compared with older localities, however, the amount of manufacturing carried on in the territory is still insignificant. Oklahoma is essentially an agricultural and stock-raising territory, and the industries most developed are those which are common to rural as well as urban localities. A notable product is the manufacture of cottonseed oil, which has grown up in connection with the rapid development of the cotton crop of the territory.

Table 2 divides the industries of the territory between the hand trades and the manufactures proper. This table also gives the statistics for governmental establishments, an institution, and establishments with a product of less than $500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	COST OF MATERIALS USED.				Value of products, including custom work and repairing.
				Average number.	Total wages.		Total.	Purchased in raw state.	Purchased in partially manufactured form.	Fuel, freight, etc.	
Total	1,161	$3,477,489	1,322	2,160	$814,173	$250,857	$4,477,279	$3,142,204	$1,120,756	$214,319	$7,160,210
Hand trades[1]	337	282,908	390	506	206,792	44,430	435,151	4,310	400,509	30,332	955,356
Governmental establishments	2	3,450	----------	3	1,200	10	2,093	----------	1,965	128	6,500
Educational institution	1	5,260	----------	2	500	60	630	----------	90	540	1,225
Establishments with a product of less than $500	288	111,715	323	101	4,647	4,706	24,612	1,558	23,054	----------	68,547
All other establishments	533	3,069,156	609	1,548	601,034	201,651	4,014,793	3,136,336	695,138	183,319	6,128,582

[1] Embraces bicycle and tricycle repairing, 8; blacksmithing and wheelwrighting, 160; boots and shoes, custom work and repairing, 15; carpentering, 34; clothing, men's, custom work and repairing, 20; clothing, women's, dressmaking, 6; dyeing and cleaning, 2; furniture, cabinetmaking, repairing, and upholstering, 4; lock and gun smithing, 3; masonry, brick and stone, 3; millinery, custom work, 39; painting, house, sign, etc., 12; plumbing, and gas and steam fitting, 4; sewing machine repairing, 1; watch, clock, and jewelry repairing, 25.

Of the 1,161 establishments of all classes, shown in Table 2, 624, or 53.7 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments, consisting principally of the sums received for custom work and repairing, amounted to $1,023,903, or only 14.3 per cent of the total products of the territory.

In addition to the 1,161 active establishments in the territory during the census year, with a capital of $3,477,489, shown in this table, there were 5 idle establishments with a capital of $13,720.

Table 3 presents the totals for the manufacturing industries in Guthrie and Oklahoma City, and places them in comparison with the totals for the entire territory, and the territory exclusive of these cities.

TABLE 3.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	Wage-earners. Average number.	Wage-earners. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for territory	870	$3,352,064	999	2,054	$807,826	$246,081	$4,449,944	$7,083,938
Total for urban manufactures	186	1,015,279	203	804	343,846	71,484	1,166,425	2,079,361
Guthrie	85	415,240	96	346	139,077	36,706	430,869	837,374
Oklahoma City	101	600,039	107	458	204,769	34,778	735,556	1,241,987
Total for territory exclusive of urban manufactures	684	2,336,785	796	1,250	463,980	174,597	3,283,519	5,004,577
Per cent of urban manufactures to total for territory	21.4	30.3	20.3	39.1	42.6	29.0	26.2	29.4

Of the 870 establishments in the territory, 186, or 21.4 per cent, were located in these 2 cities. The capital reported for these establishments is $1,015,279, or 30.3 per cent of that for the entire territory. They furnished employment to 804 wage-earners, or 39.1 per cent of the total number; paid $343,846 in wages, or 42.6 per cent of the total amount; and the value of their products, $2,079,361, formed 29.4 per cent of the total for the territory.

Table 4 shows the totals for all industries in the cities withdrawn from the enumerators.

Table 5 shows the totals for the territory by counties.

Table 6 shows the totals for the territory by specified industries.

TABLE 4.—MANUFACTURES IN CITIES UNDER 20,000 IN POPULATION: 1900.

Cities.	Number of establishments.	Capital. Total.	Capital. Land.	Capital. Buildings.	Capital. Machinery, tools, and implements.	Capital. Cash and sundries.	Proprietors and firm members.	Salaried officials, clerks, etc. Number.	Salaried officials, clerks, etc. Salaries.	Average number of wage-earners and total wages. Total. Average number.	Total. Wages.	Men, 16 years and over. Average number.	Men, 16 years and over. Wages.
Total for cities	186	$1,015,279	$71,625	$157,190	$413,048	$373,416	203	75	$61,713	804	$343,846	733	$330,122
Guthrie	85	415,240	25,750	51,290	194,113	144,087	96	40	32,100	346	139,077	298	129,378
Oklahoma City	101	600,039	45,875	105,900	218,935	229,329	107	35	29,613	458	204,769	435	200,744

Cities.	Average number of wage-earners and total wages—continued. Women, 16 years and over. Average number.	Women. Wages.	Children, under 16 years. Average number.	Children. Wages.	Miscellaneous expenses. Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Cost of materials used. Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.
Total for cities	60	$12,254	11	$1,470	$71,484	$18,201	$8,270	$44,713	$300	$1,166,425	$1,126,064	$40,361	$2,079,361
Guthrie	43	8,869	5	830	36,706	13,364	3,829	19,313	200	430,869	413,693	17,176	837,374
Oklahoma City	17	3,385	6	640	34,778	4,837	4,441	25,400	100	735,556	712,371	23,185	1,241,987

TABLE 5.—MANUFACTURES

	COUNTIES, AND MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	The Territory	870	$3,352,064	$349,609	$632,837	$1,329,784	$1,039,834	999	202	$159,554	2,054	$807,826
2	Blaine	28	152,749	53,510	31,650	31,949	35,640	27	4	2,205	81	11,391
3	Canadian	52	322,309	64,941	44,722	88,660	123,986	60	36	31,830	153	68,303
4	Cleveland	48	130,909	12,185	22,895	57,355	38,474	58	4	3,045	59	17,045
5	Custer	19	58,185	4,315	11,130	21,585	21,155	24	4	3,500	24	10,067
6	Dewey	12	42,955	33,430	1,445	4,610	3,470	15	------	------	10	2,022
7	Garfield	40	164,240	10,205	15,390	66,745	71,900	43	11	9,350	119	43,685
8	Grant	38	181,036	5,280	37,360	60,842	77,554	39	10	8,810	73	33,339
9	Greer	22	36,690	2,485	4,155	24,640	5,410	26	------	------	24	5,724
10	Kay	77	172,758	14,035	34,462	58,219	66,042	82	9	5,505	147	61,278
11	Kingfisher	56	189,908	12,680	30,860	45,785	50,583	62	8	5,573	130	63,503
12	Lincoln	66	225,573	6,994	61,320	129,662	27,597	76	13	6,041	109	25,602
13	Logan	113	474,685	28,855	61,005	225,603	159,222	136	40	32,100	372	147,592
14	Noble	13	80,910	12,170	20,275	20,070	28,395	16	4	2,800	47	16,010
15	Oklahoma	124	752,730	59,415	137,510	300,401	255,404	134	44	35,973	512	222,986
16	Pawnee	13	15,875	2,185	2,700	6,255	4,735	14	------	------	11	4,160
17	Payne	26	71,930	7,255	10,930	41,555	12,190	38	2	1,100	44	13,573
18	Pottawatomie	57	236,954	11,789	37,763	110,368	27,034	67	9	9,782	99	27,237
19	Roger Mills	5	9,750	1,650	1,300	2,825	3,975	4	1	480	10	3,431
20	Washita	10	15,035	330	2,385	11,535	785	14	------	------	9	2,081
21	Woods	34	24,848	1,765	4,310	9,460	9,313	41	------	------	32	10,576
22	Woodward	18	17,964	2,825	4,060	2,710	8,369	18	3	1,960	28	15,194
23	All other counties [1]	3	1,671	10	210	650	801	3	------	------	3	475
24	Osage nation	6	22,400	1,300	5,000	8,300	7,800	7	------	------	8	2,532

[1] Includes establishments distributed as follows: Beaver, 2; Day, 1.

TABLE 6.—MANUFACTURES BY

1	All industries	870	$3,352,064	$349,609	$632,837	$1,329,784	$1,039,834	999	202	$159,554	2,054	$807,826
2	Bicycle and tricycle repairing	8	5,085	785	350	1,575	2,375	9	------	------	2	400
3	Blacksmithing and wheelwrighting	160	117,055	21,002	19,842	30,347	45,364	185	------	------	97	41,136
4	Boots and shoes, custom work and repairing.	15	4,459	550	332	1,530	2,047	16	------	------	12	5,100
5	Bread and other bakery products	15	43,149	15,125	14,150	9,000	4,874	16	------	------	28	10,734
6	Brick and tile	36	109,825	12,415	15,065	39,340	43,005	42	5	3,845	178	62,902
7	Brooms and brushes	7	13,895	8,300	4,325	455	815	6	------	------	8	1,700
8	Carpentering	34	46,485	3,575	3,820	6,805	32,285	41	1	480	172	79,339
9	Carriages and wagons	8	30,400	4,350	4,500	8,600	12,450	11	------	------	32	10,892
10	Cars and general shop construction and repairs by steam railroad companies.	3	9,350	1,900	3,600	1,800	2,050	------	3	2,405	22	13,333
11	Cheese, butter, and condensed milk, factory product.	5	12,762	1,320	3,900	5,600	1,942	5	------	------	8	1,520
12	Clothing, men's, custom work and repairing.	20	17,443	2,600	1,300	3,405	10,138	22	------	------	37	15,922
13	Clothing, women's, dressmaking	7	1,430	100	600	370	360	7	------	------	19	2,344
14	Confectionery	5	5,125	325	330	2,700	1,270	5	------	------	9	2,850
15	Cotton, ginning [1]	72	227,215	3,330	34,784	179,665	9,436	101	9	1,210	106	13,466
16	Flouring and grist mill products	55	1,080,661	37,492	227,740	351,007	464,422	46	84	66,110	258	125,855
17	Foundry and machine shop products	6	38,650	5,400	6,575	17,300	9,375	10	1	240	23	10,368
18	Furniture, cabinetmaking, repairing, and upholstering.	4	2,450	------	------	400	2,050	4	------	------	2	912
19	Ice, manufactured	6	164,323	10,001	40,223	92,168	21,931	5	15	11,780	45	25,171
20	Lime and cement	4	110,277	50,406	20,477	19,598	19,796	2	5	6,460	47	17,546
21	Liquors, distilled	3	10,985	175	1,700	2,300	6,810	2	------	------	1	480
22	Lock and gun smithing	3	1,510	------	------	880	630	3	------	------	3	1,275
23	Lumber and timber products	33	136,361	88,915	4,665	37,871	4,910	46	1	600	43	9,475
24	Lumber, planing mill products, including sash, doors, and blinds.	3	15,200	400	2,000	10,500	2,300	5	------	------	10	4,490
25	Masonry, brick and stone	3	8,650	1,100	50	1,550	5,950	3	------	------	40	22,000
26	Mattresses and spring beds	3	3,200	------	------	1,000	2,200	3	------	------	3	1,360
27	Millinery, custom work	39	39,610	3,150	3,500	1,735	31,225	49	3	988	55	10,847
28	Mineral and soda waters	10	33,175	3,875	3,500	21,900	3,900	11	------	------	17	7,060
29	Monuments and tombstones	5	6,550	600	200	200	5,550	7	2	550	13	13,840
30	Oil, cottonseed and cake	6	324,503	22,003	140,236	134,268	27,996	------	19	18,718	101	31,463
31	Painting, house, sign, etc	12	8,135	1,600	600	1,435	4,500	16	------	------	39	15,774
32	Paving and paving materials	3	1,440	------	------	290	1,150	3	------	------	9	3,550
33	Photography	20	16,084	1,650	3,248	8,276	2,910	22	------	------	9	3,389
34	Plumbing, and gas and steam fitting	4	8,135	25	625	2,250	5,235	7	------	------	18	7,813
35	Printing and publishing, book and job	4	5,950	------	------	3,500	2,450	5	------	------	5	1,100
36	Printing and publishing, newspapers and periodicals.	98	389,158	17,980	30,875	245,445	94,858	115	41	30,446	379	139,021
37	Saddlery and harness	54	131,430	12,860	13,205	10,647	94,718	62	5	4,611	76	40,295
38	Salt	4	2,555	275	335	204	1,741	4	------	------	7	1,100
39	Tinsmithing, coppersmithing, and sheet-iron working.	36	37,555	4,250	4,775	11,275	17,255	43	2	1,000	50	23,430
40	Tobacco, cigars and cigarettes	17	21,338	2,925	4,550	993	12,870	19	------	------	35	12,700
41	Watch, clock, and jewelry repairing	25	22,021	1,350	760	6,350	13,561	25	1	600	7	3,830
42	All other industries [2]	15	88,480	7,000	15,600	54,750	11,130	16	5	9,511	39	11,544

[1] Does not include many ginneries operated in connection with saw, grist, and cottonseed-oil mills or for the use exclusively of plantations on which they are located. For the full number of ginneries in operation reference should be made to the special report on cotton ginning.
[2] Embraces awnings, tents, and sails, 1; bluing, 1; cotton, compressing, 2; druggists' preparations, not including prescriptions, 2; dyeing and cleaning, 2;

BY COUNTIES: 1900.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
1,876	$775,707	140	$27,180	38	$4,939	$246,081	$50,078	$29,931	$165,648	$424	$4,449,944	$4,291,751	$158,193	$7,083,938	1
31	11,891					5,651	1,116	837	3,698		143,796	138,945	4,851	204,064	2
136	64,957	15	3,033	2	318	37,436	3,353	2,790	31,283	10	750,922	729,326	21,596	1,055,769	3
53	16,000	5	925	1	120	7,160	1,870	1,103	4,187		161,769	155,577	6,192	228,396	4
24	10,067					1,756	180	475	1,101		87,494	84,186	3,308	131,711	5
8	1,940			2	82	364	60	71	233		4,908	4,473	435	13,757	6
91	39,823	21	3,026	7	836	10,248	2,508	1,189	6,546		476,104	462,616	13,488	618,025	7
71	33,159	2	180			12,891	1,338	1,783	9,770		431,431	424,748	6,683	556,475	8
23	5,640			1	84	847	128	486	233		9,091	7,495	1,596	34,072	9
138	59,344	8	1,727	1	207	9,676	3,910	1,428	4,338		125,314	114,759	10,555	301,829	10
116	61,463	10	1,261	4	779	14,593	3,270	1,103	10,220		270,048	262,311	7,737	436,453	11
102	24,037	5	1,300	2	175	10,206	3,332	2,344	4,446	84	126,914	119,800	7,114	249,094	12
321	137,283	45	9,329	6	980	38,738	13,737	4,215	20,586	200	493,558	473,596	19,962	934,422	13
42	15,255	1	260	4	495	11,306	298	982	10,026		178,121	173,418	4,703	288,668	14
488	218,817	18	3,529	6	640	47,612	5,684	6,325	35,503	100	871,595	837,648	33,947	1,461,411	15
11	4,180					1,572	350	154	1,068		6,589	6,164	425	21,858	16
41	13,071	2	450	1	52	3,818	1,434	798	1,586		80,946	77,871	3,075	126,603	17
96	26,379	3	868			13,764	5,919	2,663	5,152	30	145,391	136,410	8,981	272,819	18
9	3,255			1	176	13,142		50	13,092		21,440	21,378	62	43,692	19
9	2,081					593	73	210	310		5,118	4,564	554	14,517	20
29	9,926	3	650			1,689	480	424	785		28,988	27,263	1,725	62,604	21
28	15,194					1,871	790	212	869		20,203	19,466	737	53,974	22
2	225	1	250			202	123	23	56		604	522	82	3,085	23
7	2,220	1	312			951	125	266	560		9,600	9,215	385	20,640	24

SPECIFIED INDUSTRIES: 1900.

1,876	$775,707	140	$27,180	38	$4,939	$246,081	$50,078	$29,931	$165,648	$424	$4,449,944	$4,291,751	$158,193	$7,083,938	1
2	400					526	268	93	165		1,706	1,534	172	7,810	2
96	40,992	1	144			5,597	2,230	1,421	1,862	84	62,774	54,131	8,643	215,529	3
12	5,100					1,415	775	69	571		7,182	7,016	166	21,435	4
20	8,866	7	1,720	1	148	2,218	1,109	407	702		39,891	37,721	2,170	86,860	5
170	62,263			3	639	3,459	483	607	2,369		24,420	4,030	20,390	149,712	6
8	1,700					240	36	191	13		3,905	3,880	25	9,714	7
172	79,339					15,112	503	232	14,177	200	203,632	203,327	305	346,305	8
31	10,736			1	156	995	160	372	433	30	14,681	13,845	836	44,800	9
22	13,333					117		117			6,736	6,450	286	22,591	10
3	1,520					185	58	97	30		13,749	13,044	705	18,994	11
36	15,685	1	237			3,488	1,823	181	1,534		29,915	29,460	455	71,523	12
		19	2,344			753	681	12	60		1,115	1,115		8,326	13
9	2,850					890	440	7	443		13,997	13,623	374	19,148	14
106	13,466					13,560	8,070	2,489	3,001		39,232	34,063	5,169	129,928	15
256	125,755			2	100	86,925	530	9,186	77,209		3,026,785	2,965,531	61,254	3,745,434	16
23	10,868					1,787		520	1,267		30,877	28,752	2,125	59,250	17
1	812	1	600			1,399	1,102	52	245		1,135	1,085	50	6,185	18
44	25,096			1	75	17,743	4,500	2,530	10,713		25,387	3,817	21,570	92,003	19
47	17,546					2,478	583	285	1,610		11,243	4,871	6,372	80,285	20
1	480					1,154		18	1,136		834	432	402	4,939	21
3	1,275					247	215	7	25		520	515	5	3,004	22
43	9,475					1,459	358	520	581		27,621	27,591	30	63,569	23
10	4,490					325	75	115	135		3,935	3,615	320	14,600	24
40	22,000					341		51	290		25,445	25,445		52,750	25
3	1,360					300	250		50		3,385	3,385		6,000	26
		55	10,847			8,940	5,602	396	2,942		56,001	55,811	190	110,557	27
17	7,060					1,292	250	237	805		9,001	8,686	315	33,604	28
13	13,840					562	312	45	205		9,100	9,080	20	21,250	29
101	31,463					14,194	60	3,369	10,765		264,829	249,660	15,169	422,699	30
39	15,774					1,348	736	59	553		18,229	18,199	30	45,007	31
9	3,550					30			30		7,375	7,355	20	14,875	32
6	2,685	2	600	1	104	2,775	1,633	142	1,000		9,094	8,936	158	31,664	33
17	7,413	1	400			1,769	150	82	1,537		19,291	19,058	233	37,820	34
3	850	1	100	1	150	770	484	34	252		2,709	2,624	85	7,250	35
318	127,978	44	8,238	22	2,805	20,732	6,875	2,825	11,032		113,193	108,347	4,846	481,663	36
75	39,935	1	360			11,486	3,970	1,480	6,036		148,034	147,268	766	263,294	37
7	1,100					350	246	69	35		1,235	255	980	4,329	38
49	23,170			1	260	3,388	1,958	550	880		69,396	68,288	1,108	123,418	39
25	10,708	5	1,490	5	502	7,101	820	184	6,097		22,382	22,258	124	50,838	40
7	3,830					3,060	2,112	209	729	10	6,961	6,883	78	27,615	41
37	11,444	2	100			5,571	621	721	4,129	100	73,012	70,765	2,247	127,271	42

gloves and mittens, 1; marble and stone work, 1; patent medicines and compounds, 1; roofing and roofing materials, 1; sewing machine repairing, 1; slaughtering wholesale, not including meat packing, 2.

OREGON.

Table 1 shows the manufacturing and mechanical industries of the state of Oregon as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

	DATE OF CENSUS.						PER CENT OF INCREASE.				
	1900	1890	1880	1870	1860	1850	1890 to 1900	1880 to 1890	1870 to 1880	1860 to 1870	1850 to 1860
Number of establishments	3,088	1,523	1,080	969	309	52	102.8	41.0	11.5	213.6	494.2
Capital	$33,422,393	$32,122,051	$6,312,056	$4,376,849	$1,337,238	$343,600	4.0	408.9	44.2	227.3	58.5
Salaried officials, clerks, etc., number	1,280	[1] 2,038	(2)	(2)	(2)	(2)	[3] 37.2				
Salaries	$1,323,155	[1] $1,975,495	(2)	(2)	(2)	(2)	[3] 33.0				
Wage-earners, average number	17,236	16,760	3,473	2,884	978	285	2.8	382.6	20.4	194.9	243.2
Total wages	$8,333,493	$9,559,734	$1,667,046	$1,120,173	$635,256	$388,620	[3] 12.8	473.5	48.8	76.3	63.5
Men, 16 years and over	15,120	15,754	3,280	2,753	968	285	[3] 4.0	380.3	19.1	184.4	239.7
Wages	$7,830,594	$9,232,608	(2)	(2)	(2)	(2)	[3] 15.2				
Women, 16 years and over	1,821	806	96	67	10	(2)	125.9	739.6	43.3	570.0	
Wages	$452,939	$294,496	(2)	(2)	(2)	(2)	53.8				
Children, under 16 years	295	200	97	64	(2)	(2)	47.5	106.2	51.6		
Wages	$49,900	$32,630	(2)	(2)	(2)	(2)	52.9				
Miscellaneous expenses	$2,242,795	$2,108,668	(4)	(4)	(4)	(4)	6.4				
Cost of materials used	$26,108,313	$21,793,578	$6,954,436	$3,419,756	$1,431,952	$809,560	19.8	213.4	103.4	138.8	76.9
Value of products, including custom work and repairing	$46,000,587	$41,432,174	$10,931,232	$6,877,387	$2,976,761	$2,236,640	11.0	279.0	58.9	131.0	33.1
Total population	[5] 409,704	313,767	174,768	90,923	52,465	13,294	30.6	79.5	92.2	73.3	294.7
Wage-earners engaged in manufactures	17,236	16,760	3,473	2,884	978	285	2.8	382.6	20.4	194.9	243.2
Per cent of total population	4.2	5.3	2.0	3.2	1.9	2.1					
Assessed value of real estate	[6] $117,804,874	$107,640,259	$32,584,966	$17,674,202	$6,279,602	$3,997,332	9.4	230.3	84.4	181.5	57.1
Value of land and buildings invested in manufactures [7]	$10,282,493	$12,528,214	(2)	(2)	(2)	(2)	[3] 17.9				
Per cent of assessed value	8.7	11.6									

[1] Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)
[2] Not reported separately.
[3] Decrease.
[4] Not reported.
[5] Exclusive of 3,772 Indians and other persons on Indian reservations, which classes were not included at previous censuses.
[6] As given for the year 1900 in Dana's supplement, "State and City," to the Commercial and Financial Chronicle, under date of April 13, 1901.
[7] Does not include value of rented property.

Although agriculture is the most important industry of Oregon, the development of manufacturing and mechanical industries during the half century from 1850 to 1900, as indicated in Table 1, has been very marked. The increase in the value of the products was greatest during the decade from 1880 to 1890, amounting to 279 per cent, while during the decade from 1890 to 1900, the increase was but 11 per cent, the smallest per cent of increase during any decade since 1850. The average number of wage-earners engaged in manufactures constituted 4.2 per cent of the population of the state in 1900, as compared with 2.1 per cent in 1850.

The natural resources of the state are extensive, furnishing material for its various manufacturing enterprises, while it has three good harbors for the marketing of manufactured goods. The streams of the state furnish abundant power at The Dalles, the Cascades, and Oregon City, while the mines are producing a continually increasing supply of coal for fuel.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for penal institutions, and establishments with a product of less than $500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	COST OF MATERIALS USED. Total.	COST OF MATERIALS USED. Purchased in raw state.	COST OF MATERIALS USED. Purchased in partially manufactured form.	COST OF MATERIALS USED. Fuel, freight, etc.	Value of products, including custom work and repairing.
Total	3,581	$33,724,348	4,138	17,508	$8,368,593	$2,261,693	$26,222,109	$9,328,547	$15,717,259	$1,176,303	$40,239,570
Hand trades [1]	1,250	1,867,385	1,483	2,985	1,508,254	404,848	2,809,865	25,294	2,668,106	116,465	6,417,260
Penal institutions	4	54,705	--------	179	28,218	3,193	65,468	224	57,027	8,217	107,370
Establishments with a product of less than $500	489	247,250	539	93	6,947	15,705	48,328	3,911	43,312	1,105	131,618
All other establishments	1,838	31,555,008	2,116	14,251	6,825,179	1,837,947	23,298,448	9,299,118	12,948,814	1,050,516	39,583,327

[1] Includes bicycle and tricycle repairing, 52; blacksmithing and wheelwrighting, 343; boots and shoes, custom work and repairing, 111; carpentering, 122; clothing, men's, custom work and repairing, 105; clothing, women's, dressmaking, 71; dyeing and cleaning, 14; furniture, cabinetmaking, repairing, and upholstering, 45; lock and gun smithing, 25; masonry, brick and stone, 24; millinery, custom work, 79; painting, house, sign, etc., 79; paper hanging, 6; plastering and stuccowork, 11; plumbing, and gas and steam fitting, 60; sewing machine repairing, 2; typewriter repairing, 3; watch, clock, and jewelry repairing, 98.

In addition to the 3,581 active establishments in the state during the census year, with a capital of $33,724,348, shown in Table 2, there were 48 idle establishments with a capital of $1,050,193. Of the 3,581 establishments of all classes, 1,739, or 48.6 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments consisted principally of the sums received for custom work and repairing, and amounted to $6,548,873, or 14.2 per cent of the total products of the state.

Comparative statistics for the 8 leading industries in Oregon are presented in Table 3.

TABLE 3.—COMPARATIVE SUMMARY OF EIGHT LEADING INDUSTRIES.

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for selected industries for state	1900	822	$18,000,383	7,706	$3,762,170	$862,969	$15,101,328	$23,800,194
	1890	592	17,281,010	8,281	3,803,224	968,246	10,174,381	17,746,824
Increase, 1890 to 1900	--------	230	719,373	[1] 575	[1] 41,054	[1] 105,277	4,926,947	6,053,370
Per cent of increase	--------	38.9	4.2	[1] 6.9	[1] 1.1	[1] 10.9	48.4	34.1
Per cent of total of all industries in state	1900	26.6	53.9	44.7	45.1	38.5	57.8	51.7
	1890	38.9	53.8	49.4	39.8	45.9	46.7	42.8
Cars and general shop construction and repairs by steam railroad companies.	1900	14	725,935	751	495,159	15,688	488,644	1,026,169
	1890	5	2,815,997	1,101	907,739	----------	781,217	1,750,926
Fish, canning and preserving	1900	24	2,558,642	636	219,744	147,858	1,182,218	1,788,809
	1890	15	1,305,800	1,478	300,824	92,972	1,066,127	1,643,324
Flouring and grist mill products	1900	153	3,172,997	448	246,901	178,784	5,335,838	6,364,023
	1890	86	2,247,389	281	151,871	189,421	3,386,917	4,184,478
Lumber and timber products	1900	436	8,167,433	4,084	2,023,914	261,917	5,727,720	10,352,167
	1890	350	8,103,000	4,214	1,680,618	400,059	3,061,489	6,530,757
Printing and publishing, newspapers and periodicals	1900	159	1,312,268	610	292,579	140,280	240,118	1,078,387
	1890	111	653,419	573	419,209	172,662	209,818	1,130,762
Ship and boat building, wooden	1900	16	126,845	338	187,357	8,361	306,579	654,385
	1890	14	305,220	199	127,625	9,508	119,036	320,715
Slaughtering and meat packing, wholesale	1900	9	760,448	172	87,821	35,768	1,359,361	1,638,480
	1890	5	439,600	82	73,300	16,718	1,222,330	1,570,935
Woolen goods	1900	11	1,175,820	672	208,695	74,328	465,855	897,824
	1890	6	1,350,585	358	142,588	86,906	327,502	614,932

[1] Decrease.

As indicated in Table 3, the manufacture of lumber and timber products is the principal industry in the state. In 1900 there were 4,084 wage-earners employed in this industry, and the products were valued at $10,352,167, as compared with 4,214 wage-earners and products valued at $6,530,757 in 1890. There were 734,538,000 feet (board measure) of lumber, inclusive of custom sawing, sawed in 1900, as compared with 462,620,000 feet in 1890. The importance of this industry is due to the remarkable forest lands of the state, over 4,500,000 acres of which have been recently set off by the United States Government as a forest reserve.[1]

In 1900 reports were received from 17 ship and boat builders, including one builder of iron and steel vessels. Figures for the latter can not be shown without disclosing the operations of an individual establishment. The 16 establishments constructing wooden ships and boats reported 338 wage-earners and products valued at $654,385, as compared with 14 establishments, 199 wage-earners, and products valued at $320,715 in the same industry in 1890.

Flour milling stands second among the manufacturing industries of Oregon, and reflects the large wheat-growing interests of the state, the production of this cereal amounting to 16,198,012 bushels in 1900.[2] The flour-milling industry gave employment to 443 wage-earners in 1900, and had a product valued at $6,364,023, as compared with 281 wage-earners in 1890 and products valued at $4,184,473.

The canning of fish ranks next among the industries of the state, with products valued at $1,788,809 in 1900, as compared with $1,643,324 in 1890. This industry, which is almost entirely the canning of salmon caught in the waters of the Columbia River and its tributaries, has its center in the city of Astoria, and is carried on almost exclusively by the Chinese.[3] The industry dates back to 1866, and reached its maximum production in 1883.[4] It is carried on also on the north side of the Columbia River, in the state of Washington, the value of the product of this latter state in 1890 being nearly a third of that of Oregon. The Columbia River has long been famous for its salmon, the product for the year 1895 "exceeding in value that of any other river in the United States or the world."[5] The exhaustion of these fisheries, threatened in the early years of the decade, has been averted by more rigid laws against improvident fishing, and by the artificial propagation of fish.[6] The value of the fish taken in the two states of Oregon and Washington in 1899 amounted to $3,747,788, and 15,554 persons were employed in the industry.[7] During the last decade several refrigerating and freezing plants have been erected, and these, together with the use of refrigerator cars, have made possible the shipment of hundreds of tons of fresh fish annually from Portland to the East and to European cities[8]—a fact which has tended to check the increase in the canned product during recent years.

In 1900 the woolen manufacture gave employment to 672 wage-earners, and had products valued at $897,824, as compared with 358 wage-earners and products valued at $614,932 in 1890. In the number of sheep owned in 1899, Oregon ranked sixth in the country, over 2,000,000 having been reported for that year.

In addition to the industries included in Table 3, attention may be called to the manufacture of paper and wood pulp, the statistics for which appear in Table 7. Five establishments were reported in 1900, with 716 wage-earners and products valued at $1,305,696. Measured by the value of its product, this industry is more important than certain of the industries included in Table 3. These figures, however, can not be used for comparative purposes, because only 2 establishments were reported as engaged in this industry in 1890, and the figures were withheld in order to avoid disclosing the operations of individual establishments.

URBAN MANUFACTURES.

Table 4 shows the totals for the manufacturing and mechanical industries of the city of Portland, as returned at the censuses of 1890 and 1900, with the percentages of increase. The industries of Portland are separately presented in detail in Table 8.

TABLE 4.—COMPARATIVE SUMMARY, PORTLAND, 1890 AND 1900, WITH PER CENT OF INCREASE.

	DATE OF CENSUS.		Per cent of increase, 1890 to 1900.
	1900	1890	
Number of establishments	1,064	569	87.0
Capital	$13,831,500	$16,863,568	[1]20.9
Wage-earners, average number	8,572	8,653	[1]0.9
Total wages	$4,847,876	$6,220,837	[1]30.1
Miscellaneous expenses	$1,186,072	$1,220,577	[1]2.8
Cost of materials used	$13,312,036	$12,807,106	3.9
Value of products, including custom work and repairing	$23,451,132	$25,427,603	[1]7.8

[1] Decrease.

It appears from Table 4 that the number of establishments in the city increased during the decade from 569 to 1,064, or 87 per cent; while the average number of wage-earners decreased from 8,653 to 8,572, or 0.9 per cent; and the value of products decreased from $25,427,603 to $23,451,132, or 7.8 per cent. The decrease in these particulars is to be attributed largely to the extraordinary activity in the building trades, and in the manufacturing industries incidental thereto, in 1890 as compared with

[1] Report of the Oregon Board of Horticulture, 1897, page 43.
[2] Yearbook of the Department of Agriculture, 1900, page 767.
[3] Report of United States Fish Commission, 1896, Appendix 12, page 583.
[4] Report of the Oregon Fish and Game Protector, 1897–1898, page 122.
[5] Ibid., 1895–1896, page 61.
[6] Ibid., 1893–1894, pages 7, 27, and 30; 1895–1896, page 9; 1897–1898, pages 5, 6, and 44.
[7] Statistical Bulletin No. 20, United States Fish Commission: Fisheries of the Pacific Coast States, 1899.
[8] Report of United States Fish Commission, 1896, Appendix 12, page 587.

1900. The city of Portland is the principal seaport and railroad center of the state. It is the terminus of three transcontinental lines, and a distributing point for the products and supplies of Oregon, and, to some extent, of Washington, Idaho, and Montana. Manufacturers have, therefore, found it advantageous to locate in this vicinity, many establishments making use of the abundant water-power furnished by the falls of the Willamette, 12 miles above the city. There were 1,064 establishments in Portland in 1900, or 34.5 per cent of the entire number located within the state. These establishments had a combined capital amounting to $13,331,500, or 39.9 per cent of all the capital employed in the state. Of the wage-earners, 8,572, or 49.7 per cent of all in the state, were employed in Portland. The total amount of wages paid in the city amounted to $4,347,876, or 52.2 per cent of all wages paid in the state. The value of products, including custom work and repairing, during 1900 was $23,451,132, or 51 per cent of the total product for the state.

Table 5 presents the totals for the manufacturing industries in Astoria, Baker City, La Grande, Oregon City, Portland, and Salem, and places them in comparison with the totals for the entire state, and the state exclusive of these cities.

TABLE 5.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
				Average number.	Total wages.			
Total for state	3,088	$33,422,393	3,598	17,236	$8,333,433	$2,242,795	$26,099,885	$46,000,587
Total for urban manufactures	1,413	20,954,790	1,576	11,356	5,633,063	1,684,862	17,114,671	30,353,620
Astoria	81	3,145,983	79	841	419,201	187,231	1,530,436	2,528,370
Baker City	79	482,181	94	345	218,433	55,598	398,986	944,872
La Grande	64	609,682	77	290	130,958	27,348	300,944	560,535
Oregon City	37	2,733,966	39	994	367,904	175,062	1,145,674	2,060,178
Portland	1,064	13,331,500	1,181	8,572	4,347,876	1,186,072	13,312,036	23,451,132
Salem	88	651,478	106	374	148,696	53,556	427,495	808,538
Total for state exclusive of urban manufactures	1,675	12,467,603	2,022	5,880	2,700,370	557,933	8,985,214	15,646,967
Per cent of urban manufactures to total for state	45.8	62.7	43.8	65.9	67.6	75.1	65.6	66.0

The statistics in Table 5 emphasize the concentration of the manufacturing industries of the state in its cities. The urban manufactures constitute 45.8 per cent of the establishments in the state, 62.7 per cent of the capital, 65.9 per cent of the wage-earners, 67.6 per cent of the wages, and 66 per cent of the products.

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the city of Portland by specified industries.

Table 9 shows the totals for all industries in the cities withdrawn from the enumerators, exclusive of the city of Portland.

TABLE 6.—MANUFACTURES

	COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	The State	3,088	$33,422,393	$4,597,502	$5,684,991	$10,492,960	$12,646,940	3,599	1,280	$1,323,155	17,236	$3,333,433
2	Baker	97	645,469	115,815	70,775	176,726	282,153	115	11	13,580	594	336,609
3	Benton	59	365,174	41,440	56,895	115,390	151,449	72	8	3,834	88	30,802
4	Clackamas	110	3,272,833	325,703	517,977	1,394,212	1,034,941	136	39	113,407	1,169	445,484
5	Clatsop	103	3,349,688	261,354	1,590,053	718,687	779,594	100	76	83,442	1,006	505,708
6	Columbia	52	357,820	67,970	20,295	124,614	144,941	83	1	250	269	117,392
7	Coos	104	843,759	254,625	70,955	283,686	239,493	119	32	22,127	621	292,298
8	Crook	9	54,710	7,960	9,000	17,300	20,450	12	2	1,080	16	7,670
9	Curry	13	225,085	51,997	41,443	46,330	85,315	13	6	4,740	64	9,650
10	Douglas	65	716,579	231,860	56,455	270,591	157,673	75	11	7,405	182	65,712
11	Gilliam	10	17,010	385	3,050	8,275	5,300	10	------	------	6	3,310
12	Grant	34	148,715	34,785	23,815	49,590	40,525	45	------	------	40	18,670
13	Harney	19	78,005	7,270	12,810	20,875	37,050	27	1	400	27	11,247
14	Jackson	97	347,178	46,245	42,401	111,952	146,580	122	15	8,730	175	64,973
15	Josephine	50	297,098	30,697	23,180	81,560	161,661	66	16	10,494	280	90,055
16	Klamath	13	56,851	7,085	9,175	25,776	14,815	16	------	------	26	12,010
17	Lake	9	47,405	6,535	8,820	25,250	6,800	12	------	------	12	4,455
18	Lane	140	1,590,850	581,420	122,795	484,667	401,968	178	27	20,150	595	268,894
19	Lincoln	13	145,334	11,950	15,125	53,225	65,034	16	5	3,150	71	32,190
20	Linn	137	747,943	74,815	80,040	247,354	345,734	174	23	17,682	378	142,579
21	Malheur	12	28,845	970	4,300	10,975	12,600	16	------	------	15	7,466
22	Marion	182	1,133,336	182,336	140,500	379,309	431,191	218	35	24,795	545	217,745
23	Morrow	27	91,860	16,030	13,825	22,775	39,230	30	1	1,500	39	18,365
24	Multnomah	1,091	14,157,229	1,543,094	2,051,373	4,166,639	6,396,123	1,203	843	886,260	9,152	4,603,739
25	Polk	56	345,548	57,105	43,085	136,800	108,558	69	3	3,100	180	80,748
26	Sherman	17	59,205	6,500	8,150	14,375	30,180	20	2	2,200	24	15,013
27	Tillamook	39	313,928	22,395	47,160	105,042	139,331	41	16	9,605	191	81,139
28	Umatilla	86	865,909	141,530	177,750	247,871	298,758	93	19	18,180	303	160,316
29	Union	141	1,418,315	132,360	202,474	547,382	536,099	167	34	31,005	523	272,631
30	Wallowa	34	124,940	12,285	21,725	50,350	40,580	39	4	2,720	41	18,444
31	Wasco	91	721,522	181,530	77,340	233,875	228,777	105	21	16,550	366	190,067
32	Washington	75	283,747	29,562	41,280	139,510	73,395	86	10	5,188	125	48,387
33	Wheeler	11	70,700	19,800	9,275	18,325	23,300	12	1	240	20	8,161
34	Yamhill	92	494,803	92,094	71,695	163,672	167,342	114	18	11,341	143	61,504

TABLE 7.—MANUFACTURES BY

1	All industries	3,088	$33,422,393	$4,597,502	$5,684,991	$10,492,960	$12,646,940	3,599	1,280	$1,323,155	17,236	$3,333,433
2	Awnings, tents, and sails	5	64,260	4,000	1,000	7,140	52,120	6	3	1,900	26	9,560
3	Bags, other than paper	3	40,125	------	------	32,005	8,120	1	10	13,800	44	25,677
4	Bicycle and tricycle repairing	52	50,670	2,680	3,045	24,097	20,848	63	9	5,920	62	28,191
5	Blacksmithing and wheelwrighting	343	411,553	46,155	71,015	93,951	200,432	421	2	1,025	214	120,730
6	Bookbinding and blank book making	3	37,700	------	------	14,400	23,300	6	3	2,340	61	17,294
7	Boots and shoes, custom work and repairing.	111	54,101	2,350	4,667	18,263	28,821	117	------	------	30	13,559
8	Bottling	3	3,600	------	------	1,900	1,700	4	------	------	3	1,560
9	Boxes, wooden packing	6	184,377	8,591	14,640	31,670	129,476	4	13	8,900	190	47,000
10	Brass castings and brass finishing	3	16,400	------	1,500	8,000	6,900	4	------	------	12	8,970
11	Bread and other bakery products	53	288,415	51,550	49,600	77,389	109,876	64	41	33,258	243	105,872
12	Brick and tile	46	194,469	30,450	30,275	53,165	80,579	58	12	9,264	220	97,636
13	Brooms and brushes	5	25,833	335	475	6,325	18,698	6	2	2,160	43	12,700
14	Carpentering	122	202,592	11,330	16,275	46,545	127,942	147	3	2,016	599	354,747
15	Carpets, rag	10	3,930	1,600	1,040	1,040	250	10	------	------	4	910
16	Carriages and wagons	27	79,621	6,500	12,675	20,750	39,696	36	2	200	62	38,336
17	Cars and general shop construction and repairs by steam railroad companies.	14	725,935	141,000	202,433	161,219	221,283	------	29	31,678	751	495,159
18	Cheese, butter, and condensed milk, factory product.	68	223,409	10,355	42,257	98,944	71,853	60	20	8,981	62	27,302
19	Clothing, men's, custom work and repairing.	105	192,533	750	350	15,514	175,919	127	20	18,376	380	194,006
20	Clothing, men's, factory product	3	186,656	------	------	10,081	176,575	19	7	3,418	171	42,879
21	Clothing, women's, dressmaking	71	60,865	3,250	4,575	10,950	42,090	84	2	1,980	298	78,714
22	Clothing, women's, factory product	7	20,403	------	------	1,393	19,010	31	4	1,890	44	12,700
23	Coffee and spice, roasting and grinding	5	209,405	------	------	23,872	185,533	6	27	30,920	33	15,347
24	Confectionery	34	156,372	800	200	27,858	127,514	36	41	22,667	145	44,431
25	Cooperage	12	38,457	7,795	3,525	7,802	19,335	15	------	------	29	15,553
26	Dyeing and cleaning	14	5,070	500	300	2,385	1,435	15	1	300	28	9,897
27	Electrical construction and repairs	8	21,084	------	------	6,967	14,117	9	3	600	24	16,002
28	Engraving, steel, including plate printing.	3	5,578	------	------	2,300	3,278	3	------	------	10	3,740
29	Fish, canning and preserving	24	2,558,642	127,522	1,539,129	363,795	528,196	10	58	56,125	636	219,744
30	Flouring and grist mill products	153	3,172,997	286,760	523,045	866,978	1,496,214	172	83	83,671	443	246,901
31	Foundry and machine shop products	42	972,139	149,247	107,185	343,800	371,907	51	42	49,460	339	222,038

BY COUNTIES: 1900.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
15,120	$7,830,594	1,821	$452,939	295	$49,900	$2,242,795	$455,032	$178,769	$1,315,514	$293,480	$26,108,313	$25,513,976	$594,337	$46,000,587	1
496	325,763	29	9,561	9	1,285	65,336	11,092	7,642	31,845	14,757	639,389	627,616	11,773	1,365,503	2
77	28,696	7	1,756	4	350	18,272	2,636	2,355	13,031	250	353,326	348,608	4,718	485,560	3
1,033	417,247	104	24,470	27	3,767	181,896	6,708	11,866	163,322	----------	1,397,043	1,262,566	134,477	2,487,260	4
933	488,153	58	15,995	10	1,560	190,920	12,667	10,023	112,808	55,422	1,662,500	1,639,154	23,346	2,835,624	5
258	114,549	6	1,483	5	1,360	7,589	1,123	1,745	4,721	----------	244,874	244,440	434	501,320	6
586	286,184	27	4,221	8	1,893	33,154	4,587	9,383	18,624	560	685,574	679,367	6,207	1,310,644	7
16	7,670	----------	----------	----------	----------	1,420	25	369	1,026	----------	35,500	35,227	273	54,598	8
61	9,150	----------	----------	3	500	6,135	75	1,893	4,167	----------	17,507	17,130	377	45,337	9
169	62,721	11	2,816	2	175	11,648	3,047	3,585	5,016	----------	230,165	224,888	5,277	447,497	10
6	3,310	----------	----------	----------	----------	1,165	660	249	256	----------	13,380	12,886	494	26,122	11
38	18,170	2	500	----------	----------	4,297	206	1,001	3,090	----------	73,354	71,362	1,992	128,528	12
26	10,887	1	360	----------	----------	3,348	615	668	2,035	----------	29,723	28,440	1,283	70,145	13
129	56,491	42	7,819	4	663	23,615	4,328	2,985	15,682	620	294,401	286,629	7,772	515,873	14
269	88,043	6	1,317	5	695	26,285	2,090	1,790	21,405	1,000	174,595	173,224	1,371	344,624	15
25	11,810	----------	----------	1	200	1,297	20	468	809	----------	33,349	32,609	740	65,944	16
12	4,455	----------	----------	----------	----------	1,426	110	316	1,000	----------	12,527	12,372	155	23,840	17
561	262,458	34	5,936	----------	----------	38,168	7,968	6,898	22,517	785	689,048	681,316	7,732	1,337,287	18
68	31,870	2	200	1	120	6,054	68	581	5,405	----------	45,908	44,757	1,151	96,006	19
318	129,159	52	12,466	8	954	62,425	9,974	4,148	47,985	318	614,018	594,508	19,510	1,035,863	20
15	7,466	----------	----------	----------	----------	1,154	72	264	818	----------	14,640	13,801	839	38,524	21
482	189,808	101	25,294	12	2,643	73,417	15,578	9,409	46,627	1,803	904,558	885,981	18,577	1,506,156	22
36	17,815	3	550	----------	----------	3,982	280	1,072	2,630	----------	60,122	58,996	1,126	134,566	23
7,784	4,362,266	1,212	305,591	156	25,882	1,259,964	343,118	68,926	639,850	208,070	14,004,942	13,727,558	277,384	24,750,579	24
142	60,048	27	9,050	11	2,650	13,811	2,246	1,747	9,578	240	294,379	286,156	8,223	544,969	25
23	14,813	1	200	----------	----------	5,496	132	663	4,701	----------	105,931	102,347	3,584	148,878	26
176	78,254	9	1,000	6	1,885	26,936	5,382	1,255	12,364	7,935	276,060	273,867	2,193	502,445	27
281	153,196	25	6,930	2	190	46,971	4,287	6,275	36,409	----------	1,080,430	1,063,668	16,762	1,406,983	28
500	264,349	24	7,494	4	788	60,509	5,204	10,468	43,487	1,350	747,566	734,039	13,527	1,408,180	29
39	18,009	----------	----------	2	435	4,148	614	972	2,562	----------	82,978	82,116	862	152,892	30
330	183,617	27	5,710	9	740	35,370	6,803	5,160	23,337	70	483,985	477,240	6,745	988,502	31
117	47,007	5	1,100	3	780	11,724	1,273	1,972	8,379	100	406,092	399,880	6,212	556,961	32
19	7,961	1	200	----------	----------	1,708	62	636	1,010	----------	28,193	27,379	814	50,017	33
135	60,199	5	920	3	385	13,155	1,952	1,985	9,018	200	372,256	363,849	8,407	538,410	34

SPECIFIED INDUSTRIES: 1900.

15,120	$7,830,594	1,821	$452,939	295	$49,900	$2,242,795	$455,032	$178,769	$1,315,514	$293,480	$26,108,313	$25,513,976	$594,337	$46,000,587	1
10	5,100	16	4,460	----------	----------	2,701	1,160	271	1,270	----------	46,585	46,110	475	77,166	2
25	16,700	16	7,250	3	1,727	5,660	3,348	560	1,752	----------	270,415	269,310	1,105	323,300	3
61	27,891	1	300	----------	----------	9,805	7,459	452	1,869	25	49,806	48,152	1,654	133,562	4
211	120,351	----------	----------	3	379	23,285	13,792	3,269	6,119	105	259,769	232,411	27,358	736,538	5
25	9,384	32	6,332	4	1,578	1,808	1,020	118	670	----------	16,065	15,322	743	52,700	6
30	13,559	----------	----------	----------	----------	12,866	9,409	325	2,722	410	44,010	42,933	1,077	134,541	7
3	1,560	----------	----------	----------	----------	448	340	8	100	----------	4,540	4,490	50	8,636	8
183	46,550	3	250	4	200	20,632	100	1,057	19,475	----------	93,420	93,310	110	172,070	9
12	8,970	----------	----------	----------	----------	1,816	1,470	30	316	----------	12,119	11,039	1,080	27,065	10
170	89,509	47	10,680	26	5,683	27,087	10,698	2,360	14,029	----------	465,261	456,080	9,181	778,946	11
214	96,228	1	276	5	1,132	11,372	1,993	920	6,909	1,550	37,119	6,441	30,678	227,141	12
32	10,700	11	2,000	----------	----------	1,769	960	152	657	----------	24,598	24,118	480	46,934	13
598	354,439	----------	----------	1	308	174,952	6,952	785	12,268	154,947	546,523	545,506	1,017	1,341,725	14
2	350	2	560	----------	----------	503	291	79	133	----------	3,242	3,120	122	10,224	15
62	38,886	----------	----------	----------	----------	5,864	3,618	464	1,572	210	49,603	46,020	3,583	128,425	16
751	495,159	----------	----------	----------	----------	15,688	----------	9,307	6,381	----------	483,644	463,815	19,829	1,026,169	17
61	27,202	1	100	----------	----------	11,852	3,314	1,118	7,230	190	508,793	501,858	6,935	639,222	18
276	162,313	99	31,111	5	582	54,529	26,195	1,203	9,731	17,400	251,387	247,862	3,525	676,896	19
20	7,315	151	35,564	----------	----------	4,471	1,590	1,156	1,725	----------	107,089	106,409	680	165,204	20
4	2,010	294	71,674	----------	----------	16,171	14,135	487	1,479	70	135,641	134,619	1,022	317,918	21
17	8,620	25	3,846	2	234	4,214	2,522	145	1,397	150	36,831	36,694	137	67,947	22
24	13,010	8	2,155	1	182	11,357	4,416	497	6,444	----------	300,907	298,729	2,178	382,260	23
69	28,928	75	15,269	1	234	25,156	12,524	768	11,864	----------	146,738	142,738	4,000	330,616	24
25	14,808	----------	----------	4	750	1,514	565	172	777	----------	35,713	35,513	200	72,013	25
14	6,440	13	3,382	1	75	3,682	2,392	31	459	800	3,824	2,026	1,798	30,180	26
24	16,002	----------	----------	----------	----------	3,173	2,295	60	818	----------	20,994	20,427	567	50,909	27
9	3,444	1	296	----------	----------	1,231	720	----------	511	----------	1,690	1,675	15	11,658	28
620	217,750	11	1,494	5	500	147,858	3,376	7,502	76,015	60,965	1,182,218	1,168,523	13,695	1,788,809	29
434	242,801	8	4,000	1	100	178,784	12,093	23,038	142,818	835	5,335,838	5,288,779	47,059	6,364,023	30
386	221,549	1	300	1	187	31,533	4,053	5,210	20,920	1,350	314,874	289,425	25,449	816,926	31

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL.					Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.	
			Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.		Number.	Salaries.	Total.	
											Average number.	Wages.
32	Fruits and vegetables, canning and preserving.	17	$121,355	$16,030	$29,945	$26,650	$48,730	15	9	$10,350	129	$18,070
33	Fur goods	5	38,480			1,765	36,715	7	9	5,332	50	14,921
34	Furniture, cabinetmaking, repairing, and upholstering.	45	112,735	3,600	5,450	20,097	83,588	49	12	12,308	149	55,979
35	Furniture, factory product	11	280,208	7,400	10,100	54,521	208,187	10	12	11,240	198	80,836
36	Gas, illuminating and heating	5	1,533,107	140,500	277,000	1,064,289	51,318		15	13,780	28	18,764
37	Hairwork	3	6,076	1,000	500	200	4,376	3			10	1,700
38	Ice, manufactured	9	172,800	22,100	20,200	107,500	23,000	7	9	13,980	35	25,235
39	Leather, tanned, curried, and finished	16	173,144	11,170	27,470	17,204	117,300	23	1	900	53	27,532
40	Liquors, malt	24	818,654	124,340	240,350	207,711	246,253	24	19	24,200	136	106,041
41	Lock and gun smithing	25	21,841		50	10,886	10,905	28	1	800	14	6,789
42	Looking-glass and picture frames	6	40,208	1,200	4,800	1,070	33,138	7	2	1,086	9	4,880
43	Lumber and timber products	486	8,167,433	2,186,171	494,507	2,738,459	2,748,296	596	223	208,816	4,084	2,023,914
44	Lumber, planing mill products, including sash, doors, and blinds.	41	508,997	115,800	55,500	188,214	199,983	57	25	25,720	335	175,964
45	Marble and stone work	6	55,402	2,320	1,600	21,731	29,751	4	4	3,800	18	8,175
46	Masonry, brick and stone	24	184,275	6,800	1,550	55,685	120,240	36	12	18,100	431	280,989
47	Mattresses and spring beds	3	22,200			11,000	11,200	3	1	700	23	10,320
48	Millinery, custom work	79	121,204	4,975	10,750	6,898	98,581	92	26	11,148	205	37,900
49	Mineral and soda waters	18	153,239	75,450	4,364	42,068	31,417	18	18	12,425	40	20,423
50	Monuments and tombstones	18	63,489	2,600	3,650	5,070	52,169	21	7	4,850	32	20,499
51	Painting, house, sign, etc	79	103,934	2,800	6,300	17,683	77,151	95	5	4,120	221	119,542
52	Paints	3	128,382	5,000	6,500	18,247	98,585	2	7	8,880	39	22,836
53	Paper and wood pulp	5	2,161,186	183,162	394,040	1,035,550	548,434	3	28	101,417	716	282,896
54	Paper hanging	6	38,271			2,950	35,321	5	6	5,000	76	43,560
55	Patent medicines and compounds	9	24,810	3,000	2,000	3,700	16,110	9	7	3,608	14	4,198
56	Paving and paving materials	10	84,832	700	4,050	25,350	54,732	11	5	4,790	138	55,152
57	Perfumery and cosmetics	3	7,200	250	250	1,450	5,250	3	2	3,600	9	5,810
58	Photography	70	77,909	3,925	8,370	82,345	33,269	70	4	2,400	78	29,100
59	Pickles, preserves, and sauces	4	28,025	650	3,400	8,575	15,400	4	1	275	26	6,400
60	Plastering and stuccowork	11	3,693	450	800	588	1,855	16			14	7,315
61	Plumbing, and gas and steam fitting	60	186,453	23,100	6,500	29,125	127,728	77	6	6,150	184	110,266
62	Pottery, terra cotta, and fire-clay products.	5	213,355	50,360	85,949	42,059	34,487	3	9	9,416	57	27,237
63	Printing and publishing, book and job	42	319,012	1,000	3,500	229,244	85,268	54	25	26,515	159	86,113
64	Printing and publishing, newspapers and periodicals.	159	1,312,263	40,485	584,975	454,129	232,674	167	72	86,931	610	292,579
65	Roofing and roofing materials	5	39,800			4,050	35,750	6			36	19,300
66	Saddlery and harness	108	447,905	23,200	31,675	46,989	346,041	117	19	21,160	333	156,093
67	Ship and boat building, wooden	16	126,845	23,750	6,200	39,770	57,125	15	8	10,460	338	187,357
68	Shirts	5	5,800			1,225	4,575	7	5	1,380	28	8,800
69	Slaughtering and meat packing, wholesale.	9	760,448	189,021	238,500	115,356	217,571	9	41	47,130	172	87,821
70	Soap and candles	5	88,740	5,500	2,250	21,222	59,768	3	13	13,678	27	8,709
71	Tinsmithing, coppersmithing, and sheet-iron working.	71	499,342	34,225	42,050	140,200	282,867	88	12	10,975	246	131,725
72	Tobacco, cigars and cigarettes	38	58,655	4,175	4,875	4,659	44,946	46	1	1,200	71	32,991
73	Tools, not elsewhere specified	3	2,250			1,600	650	2	3	2,162	11	6,270
74	Trunks and valises	3	2,850			450	2,400	3			10	4,900
75	Typewriter repairing	3	2,460			1,060	1,400	2	3	1,800	4	1,796
76	Umbrellas and canes	3	11,652			540	11,112	3			5	2,463
77	Upholstering materials	3	8,850	300	650	2,200	5,200	5			14	5,850
78	Watch, clock, and jewelry repairing	98	112,835	8,425	12,085	37,278	55,047	107	6	2,240	73	47,120
79	Wood, turned and carved	9	12,197	1,050	400	5,572	5,175	9			22	7,682
80	Woolen goods	11	1,175,820	102,796	135,221	315,907	621,896	3	29	32,820	672	208,695
81	All other industries[1]	86	2,576,131	269,702	287,519	941,921	1,075,989	70	121	144,669	1,599	861,768

[1] Embraces ammunition, 2; babbitt metal and solder, 1; bags, paper, 1; baking and yeast powders, 1; baskets, and rattan and willow ware, 2; billiard tables and materials, 1; blacking, 1; boot and shoe cut stock, 1; boots and shoes, factory product, 2; boxes, cigar, 1; boxes, fancy and paper, 1; bridges, 2; cars and general shop construction and repairs by street railroad companies, 2; charcoal, 1; china decorating, 1; coffins, burial cases, and undertakers' goods, 1; cordage and twine, 1; corsets, 1; cutlery and edge tools, 1; druggists' preparations, not including prescriptions, 2; electroplating, 1; engraving and diesinking, 1; fertilizers, 1; food preparations, 1; furs, dressed, 1; gas machines and meters, 1; glass cutting, staining, and ornamenting, 1; gloves and mittens, 2; hand stamps, 2; hats and caps, not including fur hats and wool hats, 1; hosiery and knit goods, 1; instruments, professional and scientific, 1; iron and steel, 1; ironwork, architectural and ornamental, 2;

TABLE 8.—MANUFACTURES IN PORTLAND

1	All industries	1,064	$13,331,500	$1,420,388	$1,907,171	$3,853,004	$6,150,987	1,181	806	$844,847	8,572	$4,347,876
2	Awnings, tents, and sails	3	63,950	4,000	1,000	7,050	51,900	4	3	1,900	25	9,156
3	Bags, other than paper	3	40,125			32,005	8,120	1	10	13,800	44	25,677
4	Bicycle and tricycle repairing	19	19,220	1,600	600	11,250	5,770	19	9	5,920	38	17,978
5	Blacksmithing and wheelwrighting	46	36,361	2,450	3,260	12,350	18,301	59	2	1,025	62	39,172
6	Boots and shoes, custom work and repairing.	55	17,581	550	1,032	7,510	8,489	56			18	8,905
7	Brass castings and brass finishing	3	16,400		1,500	8,000	6,900	4			12	8,970
8	Bread and other bakery products	35	225,758	33,500	36,200	66,439	89,619	42	36	31,928	194	77,517
9	Brick and tile	5	48,417	2,000	3,450	13,950	29,017	5	4	2,860	63	27,507
10	Carpentering	76	106,775	3,000	2,225	20,355	81,195	95	3	2,016	384	228,000
11	Carpets, rag	4	1,035	200	160	575	100	4			3	760

SPECIFIED INDUSTRIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
32	$8,995	60	$6,075	37	$3,000	$4,543	$310	$318	$3,915	----------	$79,290	$77,277	$2,013	$141,498	32
14	4,893	30	9,404	6	624	10,105	3,666	505	5,934	----------	84,306	83,576	730	135,814	33
189	53,791	9	1,936	1	252	20,973	9,614	1,099	5,460	$4,800	75,478	73,672	1,806	228,693	34
194	80,014	3	672	1	150	15,858	4,926	1,453	9,479	----------	163,008	160,728	2,280	298,790	35
28	18,764	----------	----------	----------	----------	23,262	----------	5,307	17,955	----------	52,704	48,956	3,748	174,955	36
		10	1,700	----------	----------	1,068	840	42	186	----------	3,727	3,698	29	7,998	37
35	25,235	----------	----------	----------	----------	14,502	3,000	1,097	10,405	----------	19,155	5,825	13,330	116,031	38
52	27,382	1	150	----------	----------	4,551	----------	812	3,739	----------	190,184	188,133	2,051	249,728	39
133	105,341	----------	----------	3	700	215,584	200	9,756	205,628	----------	172,615	145,031	27,584	714,242	40
14	6,789	----------	----------	----------	----------	3,340	2,656	91	593	----------	12,121	11,510	611	36,235	41
9	4,880	----------	----------	----------	----------	1,248	799	127	322	----------	15,655	15,505	150	30,480	42
3,991	2,002,897	73	15,532	20	5,485	261,917	101,871	42,051	117,995	----------	5,727,720	5,726,125	1,595	10,352,167	43
326	178,784	----------	----------	9	2,280	16,337	8,580	3,674	9,083	----------	312,684	308,815	3,869	651,547	44
18	8,175	----------	----------	----------	----------	1,760	869	163	728	----------	15,244	14,489	755	39,940	45
430	280,889	----------	----------	1	100	10,574	3,958	307	6,009	900	597,710	591,150	6,560	1,028,987	46
18	9,470	2	450	3	400	1,348	760	402	186	----------	19,176	18,294	882	38,794	47
		204	87,710	1	190	21,439	16,254	916	4,261	8	211,062	210,111	951	399,149	48
37	19,725	1	168	2	530	11,390	3,081	671	7,638	----------	44,871	44,111	760	141,552	49
32	20,499	----------	----------	----------	----------	4,229	1,522	300	2,057	350	55,116	54,849	267	123,679	50
221	119,542	----------	----------	----------	----------	13,620	8,294	938	4,068	320	223,981	222,046	735	474,658	51
37	21,876	2	960	----------	----------	6,033	2,100	554	3,379	----------	86,680	85,740	940	141,559	52
708	281,003	----------	----------	8	1,893	147,417	1,800	5,927	139,690	----------	582,078	451,091	130,987	1,805,696	53
75	43,248	1	312	----------	----------	4,479	2,660	200	1,619	----------	42,677	42,500	177	108,746	54
9	2,952	4	1,066	1	180	4,918	1,270	15	3,633	----------	12,839	12,754	85	36,572	55
188	55,152	----------	----------	----------	----------	9,455	1,709	27	7,419	300	44,394	42,779	1,615	154,565	56
7	5,360	2	480	----------	----------	2,997	480	171	2,346	----------	16,460	16,230	230	33,802	57
84	17,861	44	11,239	----------	----------	23,162	15,060	422	5,580	2,100	50,362	49,402	960	185,517	58
17	5,200	9	1,200	----------	----------	1,237	465	192	580	----------	36,773	36,495	278	63,800	59
14	7,315	----------	----------	----------	----------	384	220	55	109	----------	14,748	14,694	54	31,327	60
183	110,122	----------	----------	1	144	16,341	9,577	1,276	5,473	15	282,765	280,921	1,844	523,901	61
53	26,187	----------	----------	4	1,050	6,504	----------	693	5,611	200	23,159	13,363	9,796	90,837	62
182	78,093	21	7,135	6	885	28,831	11,077	1,250	14,904	1,600	116,289	110,351	5,938	351,654	63
417	237,151	142	48,743	51	6,685	140,280	18,415	7,030	83,696	31,139	240,118	228,075	12,038	1,078,337	64
36	19,300	----------	----------	----------	----------	1,770	464	40	1,266	----------	49,985	49,365	620	114,800	65
828	154,433	4	1,560	1	100	24,884	13,418	3,075	8,391	----------	508,203	504,617	3,586	886,617	66
338	187,357	----------	----------	----------	----------	8,351	1,865	1,052	3,503	1,331	306,579	305,114	1,465	654,385	67
3	900	24	7,800	1	100	2,387	1,834	53	500	----------	21,234	21,024	210	43,090	68
166	86,441	1	480	5	900	35,768	3,026	4,754	27,988	----------	1,359,361	1,346,313	13,048	1,638,480	69
14	6,499	1	182	12	2,028	5,453	1,880	150	3,423	----------	83,166	82,136	1,030	127,612	70
211	122,605	34	9,000	1	120	46,485	8,199	2,352	35,384	550	417,402	411,103	6,299	756,352	71
60	31,175	7	955	4	831	19,312	6,006	432	12,874	----------	60,019	59,489	530	146,401	72
11	6,270	----------	----------	----------	----------	515	345	----------	170	----------	6,072	5,839	233	17,440	73
10	4,900	----------	----------	----------	----------	1,573	820	28	225	500	6,906	6,881	25	17,000	74
3	1,376	1	420	----------	----------	822	504	18	300	----------	1,700	1,700	----------	3,100	75
1	900	4	1,563	----------	----------	2,763	1,500	40	1,223	----------	19,500	19,435	65	28,619	76
12	5,000	1	250	1	100	454	240	4	210	----------	7,635	7,265	370	28,000	77
70	46,604	----------	----------	3	516	16,864	11,035	1,093	4,411	325	55,683	54,061	1,622	200,104	78
19	7,232	----------	----------	3	450	1,390	1,057	23	310	----------	11,025	10,655	370	33,005	79
423	147,442	216	56,379	33	4,874	74,323	----------	5,669	68,654	----------	465,855	445,637	20,218	897,824	80
1,496	832,117	94	28,119	9	1,532	188,214	19,606	10,001	98,572	10,035	2,314,188	2,210,992	103,196	3,966,155	81

jewelry, 2; lamps and reflectors, 1; lapidary work, 1; lime and cement, 2; matches, 2; mirrors, 1; models and patterns, 2; mucilage and paste, 1; musical instruments and materials, not specified, 1; nets and seines, 1; oil, linseed, 1; optical goods, 2; photographic materials, 2; photolithographing and photoengraving, 1; regalia and society banners and emblems, 1; rice, cleaning and polishing, 1; sausage, 1; saws, 2; sewing machine repairing, 2; shipbuilding, iron and steel, 1; show cases, 1; sporting goods, 2; stationery goods, not elsewhere specified, 1; steam packing, 1; sugar and molasses, beet, 1; surgical appliances, 1; varnish, 1; vinegar and cider, 2; whips, 1; window shades, 1; wirework, including wire rope and cable, 2; wool scouring, 1.

BY SPECIFIED INDUSTRIES: 1900.

7,220	$4,019,211	1,211	$305,477	141	$23,188	$1,186,072	$339,775	$66,492	$587,708	$192,097	$13,312,036	$13,049,172	$262,864	$23,451,182	1
9	4,800	16	4,356	----------	----------	2,511	1,020	271	1,220	----------	45,760	45,305	455	74,746	2
25	16,700	16	7,250	3	1,727	5,660	3,348	560	1,752	----------	270,415	269,310	1,105	323,300	3
37	17,678	1	300	----------	----------	5,861	4,550	215	1,096	----------	29,695	28,681	1,014	73,206	4
61	38,968	----------	----------	1	204	7,092	5,941	150	1,001	----------	50,330	46,057	4,273	166,737	5
18	8,905	----------	----------	----------	----------	6,957	5,882	80	720	275	18,962	18,397	565	69,663	6
12	8,970	----------	----------	----------	----------	1,816	1,470	30	316	----------	12,119	11,039	1,080	27,665	7
129	63,484	39	8,350	26	5,688	21,187	7,356	1,817	12,014	----------	400,558	393,229	7,329	641,008	8
62	27,327	----------	----------	1	180	1,761	548	100	1,113	----------	13,275	1,400	11,875	66,600	9
384	228,000	----------	----------	----------	----------	133,858	5,161	127	6,400	122,170	380,639	380,499	140	908,380	10
1	200	2	560	----------	----------	310	230	5	75	----------	1,035	963	72	5,020	11

TABLE 8.—MANUFACTURES IN PORTLAND

	MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
12	Carriages and wagons	12	$16,775		$575	$7,950	$8,250	16	2	$200	30	$20,519
13	Cheese, butter, and condensed milk, factory product.	5	28,461			13,600	14,861	1	8	4,778	12	5,736
14	Clothing, men's, custom work and repairing.	71	164,746			10,719	154,027	91	19	17,376	326	167,977
15	Clothing, men's, factory product	3	186,656			10,081	176,575	19	7	3,418	171	42,879
16	Clothing, women's, dressmaking	53	52,460	$2,600	2,850	8,795	38,215	63	2	1,980	258	66,261
17	Clothing, women's, factory product	5	18,678			1,168	17,510	23	4	1,890	42	12,200
18	Coffee and spice, roasting and grinding.	5	209,405			23,872	185,533	6	27	30,920	33	15,347
19	Confectionery	19	139,551			19,808	119,743	20	38	21,935	131	38,880
20	Cooperage	8	32,842	7,500	2,300	5,512	17,530	10			22	13,668
21	Dyeing and cleaning	9	3,050			2,185	865	10	1	300	22	8,442
22	Electrical construction and repairs	7	19,634			6,417	13,217	8	3	600	21	14,852
23	Engraving, steel, including plate printing.	3	5,578			2,300	3,278	3			10	3,740
24	Flouring and grist mill products	6	994,357	50,100	52,600	124,300	767,357	3	33	45,630	93	63,991
25	Foundry and machine shop products	22	571,656	101,127	53,802	155,858	260,869	26	36	39,740	264	155,515
26	Fur goods	5	38,480			1,765	36,715	7	9	5,332	50	14,921
27	Furniture, cabinetmaking, repairing, and upholstering.	24	78,610		500	8,822	69,288	24	10	11,228	130	46,504
28	Furniture, factory product	7	224,945	5,000	5,000	34,875	180,070	3	11	10,340	142	56,719
29	Hairwork	3	6,076	1,000	500	200	4,376	3			10	1,700
30	Ice, artificial	4	106,000	15,000	16,500	53,500	21,000	2	9	13,980	22	15,640
31	Lock and gun smithing	19	15,296			7,725	7,571	21	1	800	12	5,609
32	Looking-glass and picture frames	3	26,338		800	900	24,638	4	1	936	7	3,930
33	Lumber and timber products	11	1,488,016	208,000	118,500	483,070	678,446		54	71,925	1,036	577,975
34	Lumber, planing mill products, including sash, doors, and blinds.	6	204,864	38,000	34,500	57,364	115,000	1	24	24,920	224	109,400
35	Masonry, brick and stone	13	186,385			48,055	88,330	21	10	16,900	305	211,304
36	Millinery, custom work	16	53,621	1,500	5,000	2,589	44,532	18	24	10,858	134	25,436
37	Mineral and soda waters	6	128,867	75,000	2,250	25,665	25,952	5	18	12,425	26	14,901
38	Monuments and tombstones	6	36,614		750	3,470	32,394	8	7	4,850	21	14,649
39	Painting, house, sign, etc	58	79,999	2,000	2,850	12,998	62,151	71	5	4,120	172	87,686
40	Paints	3	128,332	5,000	6,500	18,247	98,585	2	7	8,880	39	22,836
41	Paper hanging	4	36,771			2,550	34,221	3	6	5,000	67	37,660
42	Patent medicines and compounds	8	19,310	3,000	2,000	2,700	11,610	9	5	3,008	13	3,398
43	Paving and paving materials	10	84,832	700	4,050	25,350	54,732	11	5	4,790	138	55,152
44	Photography	29	38,862		1,650	13,430	23,782	27	4	2,400	53	21,552
45	Plastering and stuccowork	8	1,988			433	1,555	13			13	6,800
46	Plumbing, and gas and steam fitting	34	117,513	17,000	3,350	14,475	82,688	47	4	4,200	141	85,076
47	Printing and publishing, book and job	32	285,972			206,928	79,044	48	25	26,515	140	76,753
48	Printing and publishing, newspapers and periodicals.	45	882,799	31,000	550,100	189,007	112,692	35	56	74,657	245	149,900
49	Roofing and roofing materials	4	39,400			3,850	35,550	5			34	18,300
50	Saddlery and harness	21	223,127	3,400	3,600	28,263	187,864	24	19	21,160	252	110,462
51	Ship and boat building, wooden	9	97,620	18,000	3,200	28,620	47,800	6	6	8,060	261	120,044
52	Shirts	5	5,800			1,225	4,575	7	5	1,380	28	8,800
53	Slaughtering and meat packing, wholesale.	4	604,282	170,821	216,000	85,746	132,215	1	34	39,790	121	54,025
54	Soap and candles	3	81,490	5,000	250	18,972	57,268		13	13,673	24	7,609
55	Tinsmithing, coppersmithing, and sheet-iron working.	23	136,567	5,400	700	41,125	89,342	23	7	5,475	115	73,211
56	Tobacco, cigars and cigarettes	15	21,013	1,800	1,550	1,852	15,811	18	1	1,200	34	14,876
57	Tools, not elsewhere specified	3	2,250			1,600	650	2	3	2,162	11	6,270
58	Trunks and valises	3	2,850			450	2,400	3			10	4,900
59	Typewriter repairing	3	2,460			1,060	1,400	2	3	1,800	4	1,796
60	Umbrellas and canes	3	11,652			540	11,112	3			5	2,463
61	Watch, clock, and jewelry repairing	34	36,774			11,885	24,889	39	3	1,640	51	34,168
62	Wood, turned and carved	5	6,852	1,000	300	3,552	2,000	5			3	2,629
63	All other industries [1]	98	4,729,402	554,640	765,217	1,838,097	1,571,448	77	170	202,227	2,201	1,168,673

[1] Embraces ammunition, 2; babbitt metal and solder, 1; bags, paper, 1; baking and yeast powders, 1; baskets, and rattan and willow ware, 1; billiard tables and material, 1; b[illegible]king, 1; bookbinding and blank book making, 2; boot and shoe cut stock, 1; boots and shoes, factory product, 1; bottling, 1; boxes, cigar, 1; boxes, fancy and p[illegible]er, 1; bridges, 2; brooms and brushes, 2; cars and general shop construction and repairs by steam railroad companies, 2; cars and general shop construction and repairs by street railroad companies, 2; china decorating, 1; coffins, burial cases, and undertakers' goods, 1; cordage and twine, 1; corsets, 1; druggists' preparations, not including prescriptions, 2; electroplating, 1; engraving and diesinking, 1; fertilizers, 1; fish, canning and preserving, 1; food preparations, 1; fruits and vegetables, canning and preserving, 2; gas, illuminating and heating, 2; gas machines and meters, 1; glass, cutting, staining, and ornamenting, 1; gloves and mittens, 2; hand stamps, 2; hats and caps, not including fur hats, and wool hats, 1; hosiery and knit goods, 1; instruments, professional

TABLE 9.—MANUFACTURES IN CITIES

1	Total for cities	849	$7,623,290	$648,232	$2,298,871	$2,438,025	$2,238,162	395	136	$219,735	2,784	$1,285,187
2	Astoria	81	3,145,988	229,274	1,576,845	620,677	719,187	79	67	77,892	841	419,201
3	Baker City	79	482,181	62,150	52,625	124,046	243,360	94	6	5,000	345	218,433
4	La Grande	64	609,682	44,250	129,900	329,421	106,111	77	11	10,426	230	130,953
5	Oregon City	37	2,733,966	220,408	463,571	1,150,586	899,401	39	28	108,197	994	367,904
6	Salem	88	651,478	92,150	75,930	213,295	270,103	106	24	18,220	374	148,696

BY SPECIFIED INDUSTRIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
30	$20,519					$2,969	$2,584	$6	$379		$21,245	$19,626	$1,619	$59,855	12
12	5,736					3,694	2,834	57	803		126,436	125,720	716	171,585	13
242	142,740	80	$24,805	4	$432	47,645	22,159	795	8,291	$16,400	212,292	209,629	2,663	575,589	14
20	7,815	151	35,564			4,471	1,590	1,156	1,725		107,089	106,409	680	165,204	15
2	1,020	256	65,241			14,435	12,819	468	1,078	70	123,284	122,666	618	284,013	16
15	8,120	25	3,846	2	234	3,968	2,384	127	1,307	150	33,646	33,519	127	62,447	17
24	13,010	8	2,155	1	182	11,357	4,416	497	6,444		300,907	298,729	2,178	332,260	18
61	25,015	69	13,709	1	156	21,751	10,046	604	11,101		131,993	128,764	3,229	291,806	19
20	13,218			2	450	1,253	426	125	702		31,619	31,514	105	63,548	20
13	5,860	8	2,507	1	75	2,926	1,960	24	142	800	3,314	1,698	1,616	24,268	21
21	14,852					2,869	2,235	56	578		20,554	20,017	537	47,409	22
9	3,444	1	296			1,231	720		511		1,690	1,675	15	11,658	23
85	59,991	8	4,000			60,002	6,066	2,434	51,502		1,527,824	1,506,760	21,064	1,759,262	24
262	155,028	1	300	1	187	21,166	3,745	3,753	12,318	1,350	215,658	199,007	16,651	578,957	25
14	4,893	30	9,404	6	624	10,105	3,666	505	5,934		84,306	83,576	730	135,814	26
119	44,316	9	1,936	2	252	17,335	7,354	582	4,599	4,800	58,794	57,679	1,115	175,640	27
139	56,047	3	672			10,293	4,590	1,063	4,640		139,224	137,944	1,280	225,293	28
		10	1,700			1,068	840	42	186		3,727	3,698	29	7,998	29
22	15,640					11,685	2,400	635	8,650		13,200	4,800	8,400	91,400	30
12	5,609					2,670	2,158	61	451		10,206	9,701	505	30,562	31
7	3,930					901	654	70	177		13,755	13,605	150	26,080	32
996	563,495	40	9,480			102,932	87,840	7,905	7,187		2,281,278	2,281,278		3,599,268	33
217	107,540			7	1,860	7,845	1,360	2,211	4,274		180,370	180,270	100	385,828	34
805	211,304					5,744	3,338	200	2,206		502,858	497,858	5,000	855,600	35
		132	25,246	2	190	10,539	8,341	458	1,740		119,522	119,171	351	238,387	36
25	14,421			1	480	9,206	1,850	455	6,901		34,375	33,979	396	110,108	37
21	14,649					2,291	972	134	985	200	33,848	33,678	170	81,450	38
172	87,686					10,522	6,686	771	2,745	320	188,250	187,545	705	377,654	39
37	21,876	2	960			6,033	2,100	554	3,379		86,680	85,740	940	141,559	40
66	37,348	1	312			4,164	2,480	165	1,519		38,417	38,250	167	95,746	41
8	2,652	4	1,066	1	180	4,636	1,150	15	3,471		11,824	11,739	85	33,072	42
138	55,152					9,455	1,709	27	7,419	300	44,394	42,779	1,615	154,565	43
27	13,996	26	7,556			16,201	10,503	130	3,468	2,100	29,464	28,879	585	110,232	44
13	6,800					339	220	30	89		12,210	12,156	54	25,715	45
140	84,932			1	144	10,241	6,249	603	3,374	15	196,840	195,635	1,205	374,831	46
118	70,558	16	5,310	6	885	25,945	9,553	996	13,796	1,600	105,600	100,347	5,253	315,506	47
203	132,759	32	15,732	10	1,409	105,057	7,811	4,436	63,649	29,161	159,685	155,247	4,438	637,074	48
84	18,300					1,610	404	40	1,166		48,485	47,965	520	111,300	49
248	108,902	4	1,560			11,598	6,399	796	4,403		348,723	346,360	2,363	568,774	50
261	120,044					6,187	1,195	628	3,068	1,301	186,890	186,700	190	399,717	51
3	900	24	7,800	1	100	2,387	1,834	53	500		21,234	21,024	210	43,090	52
116	53,125			5	900	29,700	1,660	3,388	24,652		1,109,939	1,100,058	9,881	1,306,996	53
11	5,399	12	2,028	1	182	5,137	1,820	115	3,202		78,221	77,251	970	115,859	54
114	73,091			1	120	17,124	5,959	529	10,086	550	136,679	135,665	1,014	303,920	55
32	14,220	1	440	1	216	8,964	3,582	95	5,337		24,111	23,861	250	64,658	56
11	6,270					515	345		170		6,072	5,839	233	17,440	57
10	4,900					1,573	820	28	225	500	6,906	6,881	25	17,000	58
3	1,376	1	420			822	504	18	300		1,700	1,700		8,100	59
1	900	4	1,563			2,763	1,500	40	1,223		19,500	19,435	65	28,619	60
48	33,652			3	516	7,667	6,007	387	1,273		32,364	31,411	953	113,737	61
3	2,629					480	277	18	185		3,216	2,858	358	12,115	62
1,972	1,124,000	179	39,053	50	5,620	317,638	24,205	24,857	258,541	10,035	2,858,830	2,725,997	132,833	5,331,294	63

and scientific, 1; iron and steel, 1; ironwork, architectural and ornamental, 2; jewelry, 2; lamps and reflectors, 1; lapidary work, 1; leather, tanned, curried, and finished, 2; liquors, malt, 2; marble and stone work, 2; matches, 1; mattresses and spring beds, 2; mirrors, 1; models and patterns, 2; mucilage and paste, 1; musical instruments and materials, not specified, 1; oil, linseed, 1; optical goods, 2; perfumery and cosmetics, 2; photographic materials, 2; photolithographing and photoengraving, 1; pickles, preserves, and sauces, 2; pottery, terra cotta, and fire-clay products, 2; regalia and society banners and emblems, 1; rice, cleaning and polishing, 1; sausage, 1; saws, 1; sewing machine repairing, 2; shipbuilding, iron and steel, 1; show cases, 1; stationery goods, not elsewhere specified, 1; steam packing, 1; surgical appliances, 1; upholstering materials, 2; varnish, 1; vinegar and cider, 1; whips, 1; window shades, 1; wirework, including wire rope and cable, 1.

UNDER 20,000 IN POPULATION: 1900.

2,448	$1,200,849	294	$77,376	42	$6,962	$498,790	$45,495	$35,429	$344,634	$73,232	$3,802,635	$3,615,400	$187,235	$6,902,488	1
779	402,446	57	15,695	5	1,060	187,231	12,527	9,359	109,923	55,422	1,530,436	1,507,691	22,745	2,528,370	2
315	209,057	26	8,941	4	435	55,598	10,388	4,392	26,061	14,757	398,986	388,993	9,993	944,872	3
215	126,089	14	4,814	1	100	27,348	3,868	5,552	16,573	1,350	300,044	290,602	9,442	560,535	4
866	340,290	102	24,007	26	3,607	175,062	6,357	9,624	159,081		1,145,674	1,014,441	131,233	2,060,173	5
273	123,017	95	23,919	6	1,760	53,556	12,355	6,502	32,996	1,703	427,495	413,673	13,822	808,538	6

PENNSYLVANIA.

Table 1 shows the manufacturing and mechanical industries of the state of Pennsylvania as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

	DATE OF CENSUS.						PER CENT OF INCREASE.				
	1900	1890	1880	1870	1860	1850	1890 to 1900	1880 to 1890	1870 to 1880	1860 to 1870	1850 to 1860
Number of establishments	52,185	39,339	31,232	37,200	22,363	21,605	32.7	26.0	[1]16.0	66.3	3.5
Capital	$1,551,548,712	$991,243,115	$474,510,993	$406,821,845	$190,055,904	$94,478,810	56.5	108.9	16.6	114.1	101.2
Salaried officials, clerks, etc., number	47,439	[2]50,169	(3)	(3)	(3)	(3)	[1]5.4				
Salaries	$48,605,173	[2]$42,215,788	(3)	(3)	(3)	(3)	15.1				
Wage-earners, average number	733,834	570,393	387,072	319,487	222,132	146,766	28.7	47.4	21.2	43.8	51.4
Total wages	$332,072,670	$263,375,215	$184,055,904	$127,976,594	$60,369,165	$37,163,232	26.1	96.5	4.8	112.0	62.4
Men, 16 years and over	574,606	460,939	284,359	256,543	182,593	124,688	24.7	62.1	10.8	40.5	46.4
Wages	$293,697,372	$236,614,013	(3)	(3)	(3)	(3)	24.1				
Women, 16 years and over	126,093	87,035	73,046	43,712	39,539	22,078	44.9	19.2	67.1	10.6	79.1
Wages	$33,067,828	$23,357,951	(3)	(3)	(3)	(3)	41.6				
Children, under 16 years	33,135	22,419	29,667	19,232	(3)	(3)	47.8	[1]24.4	54.3		
Wages	$5,307,470	$3,403,251	(3)	(3)	(3)	(3)	56.0				
Miscellaneous expenses	$134,344,269	$74,841,458	(4)	(4)	(4)	(4)	79.5				
Cost of materials used	$1,042,434,599	$773,734,637	$465,020,563	$421,197,678	$153,477,698	$87,206,377	34.7	66.4	10.4	174.4	76.0
Value of products, including custom work and repairing	$1,834,790,860	$1,331,794,901	$744,818,445	$711,894,344	$290,121,188	$155,044,910	37.8	78.8	4.6	145.4	87.1
Total population	[5]6,302,034	5,258,014	4,282,891	3,521,951	2,906,215	2,311,786	19.9	22.8	21.6	21.2	25.7
Wage-earners engaged in manufactures	733,834	570,393	387,072	319,487	222,132	146,766	28.7	47.4	21.2	43.8	51.4
Per cent of total population	11.6	10.8	9.0	9.1	7.6	6.3					
Assessed value of real estate	[6]$2,766,829,685	$2,042,016,599	$1,540,007,957	$1,071,680,934	$561,192,980	$427,865,660	35.5	32.6	43.7	91.0	31.2
Value of land and buildings invested in manufactures[7]	$375,804,375	$246,972,567	(3)	(3)	(3)	(3)	52.2				
Per cent of assessed value	13.6	12.1									

[1] Decrease.
[2] Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)
[3] Not reported separately.
[4] Not reported.
[5] Exclusive of 81 Indians and other persons on Indian reservations, which classes were not included at previous censuses.
[6] As given in the Annual Report of the Secretary of Internal Affairs, 1900.
[7] Does not include value of rented property.

Table 1 shows that there has been a large growth in the manufacturing and mechanical industries of Pennsylvania during the half century. The population during these years increased from 2,311,786 to 6,302,034, while the average number of wage-earners employed in manufacturing establishments increased from 146,766 to 733,834, embracing, in 1900, 11.6 per cent of the entire population, compared with 6.3 per cent in 1850. Probably the best indication of the importance of the wage-earning class is afforded by the greatest number employed at any one time during the year. In 1900 this was 928,522, or 14.7 per cent of the total population of the state. The greatest percentage of increase in the value of products, 145.4, is shown for the decade ending with 1870, but the greatest absolute increase, $586,976,456, was between the years 1880 and 1890. The absolute increase during the decade ending with the year 1900, $502,995,959, was greater than that shown for any other state of the United States.

In 1840 and in 1850 Pennsylvania ranked third in the United States in manufacturing and mechanical industries, but at all succeeding censuses its rank has been second. In the amount of power used in manufacturing—an index of the factory system proper—Pennsylvania has ranked first since 1870, using in that year 15.5 per cent of the total power used in the United States and 16.4 per cent in 1900.

Among the various causes which contributed to the early development of manufacturing in Pennsylvania, the favorable location of the state for marketing its manufactured products must be given a very important place. No other state touches the Atlantic seacoast, the Great Lake system, and the navigable waters of the Ohio-Mississippi Valley. Before the construction of railroads, when the densest population was along the Atlantic coast and in the valleys of the Mississippi and Ohio rivers, this location proved a great stimulus to manufacturing. Many of the manufacturers of Philadelphia and vicinity sold their products in the states immediately to the south, while the iron, steel, lumber, and leather industries of the western part of the state, as well as the woolen industry generally, were greatly stimulated by the market for their products afforded by the settlements along the Ohio and Mississippi rivers. The first steam vessel launched on these waters was built at Pittsburg, in 1811, and regular communication was shortly afterwards established between Pittsburg and the Southern states. Communication in the interior

of the state was improved between 1826 and 1839 by the construction of a network of canals and canalized rivers aggregating 578 miles in length—a greater mileage than that of any other state except New York and Ohio. After the building of railroads, many of these canals were abandoned, but the stimulus they gave to manufacturing is evidenced by the fact that of the 12 leading manufacturing cities in the state in 1900, 9 were touched by these canals, while 2 of the remaining 3 were located on the navigable waters of the Delaware and Allegheny rivers. In railroad mileage Pennsylvania ranked second in the United States in 1899, with 10,181 miles of road in operation.[1]

Few states have been so favored as Pennsylvania in natural resources. The raw materials for many kinds of manufactures are abundant, the state ranking high in the production of lumber, tanbark, tobacco, cereals, crude petroleum, and iron ore. It not only has fuel sufficient for its extensive manufactures, but ships an immense surplus each year to other states. The annual coal production of Pennsylvania between the years 1880 and 1899 was each year more than one-half of the total for the United States.[2] Natural gas has been used in the state for manufacturing purposes since 1874.[3] This fuel is without a rival for the manufacture of glass, the puddling of iron, the heating of large furnaces in the manufacture of steel, and the roasting of ores.[4] In 1899 it was used for manufacturing in Pennsylvania in 50 rolling mills and steel works, 75 glass works, and 1,111 other establishments. Although many of the gas fields prominent twelve years ago are now almost exhausted, and the value of the production in 1899 amounted to less than one-half that of 1888, the state still ranked second in production. Partly as a result of these abundant supplies of fuel, the use of waterpower has been relatively of less importance in Pennsylvania than in most other states, and has declined very much in recent years. In 1870 the waterpower was 141,982 horsepower, or 39 per cent of the total power, while in 1900 it had declined to 86,223 horsepower and represented but 4.6 per cent of the total. The use of waterpower was confined very largely to the manufacture of flouring and grist mill products, lumber and timber products, and paper and wood pulp, the amount used in these three industries constituting 82.7 per cent of the total waterpower used in the state.

At the end of the last century manufacturing in Philadelphia and the adjacent parts of Pennsylvania was very much stimulated by the activity of one man, Benjamin Franklin, whose interests extended to the promotion of almost every form of industry. The Society of Arts, the American Philosophical Society, and other similar associations in Philadelphia were active at this time, offering prizes for inventions which were desired in various lines of manufacturing. The Centennial Exposition, held in Philadelphia in 1876, was a great benefit to the industries of the state, and in 1883, a textile department was added to the Pennsylvania Museum and School of Industrial Art.[5] More recently, the Philadelphia Commercial Museum has been organized, for the purpose of assisting American manufacturers to enter the foreign market with their products.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for governmental establishments, educational, eleemosynary, and penal institutions, and establishments with a product of less than $500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

[1] Interstate Commerce Commission: Statistics of Railways in the United States, 1899, page 12.

[2] United States Geological Survey: Mineral Resources, 1899, Metallic Products, Coal, and Coke, page 483.

[3] Tenth Census of the United States, Manufactures, folio 867.

[4] United States Geological Survey: Mineral Resources, 1899, Nonmetallic Products, except Coal and Coke, pages 301, 302, and 305.

[5] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1888, page E1.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	COST OF MATERIALS USED. Total.	COST OF MATERIALS USED. Purchased in raw state.	COST OF MATERIALS USED. Purchased in partially manufactured form.	COST OF MATERIALS USED. Fuel, freight, etc.	Value of products, including custom work and repairing.
Total	63,228	$1,562,286,508	70,254	737,258	$332,881,798	$134,671,789	$1,043,912,345	$249,529,532	$731,218,337	$63,164,476	$1,838,987,038
Hand trades[1]	20,799	53,748,704	23,061	59,196	29,735,786	22,815,039	50,489,016	1,183,050	48,297,303	1,008,663	134,678,795
Governmental establishments	3	3,199,181	-------	897	307,913	14,875	261,064	-------	251 936	9,128	588,062
Educational, eleemosynary, and penal institutions	17	3,763,917	-------	676	371,551	26,726	369,255	39,883	299,072	30,300	816,907
Establishments with a product of less than $500	11,023	3,774,748	11,418	2,351	129,664	285,869	847,427	99,328	748,099	-------	2,792,109
All other establishments	31,386	1,497,800,008	35,775	674,638	302,336,884	111,529,290	991,945,583	248,207,271	681,621,927	62,116,385	1,700,112,065

[1] Includes bicycle and tricycle repairing, 502; blacksmithing and wheelwrighting, 4,509; boots and shoes, custom work and repairing, 2,580; carpentering, 1,846; clothing, men's, custom work and repairing, 2,231; clothing, women's, dressmaking, 1,196; dyeing and cleaning, 184; furniture, cabinetmaking, repairing, and upholstering, 710; lock and gun smithing, 197; masonry, brick and stone, 608; millinery, custom work, 1,344; painting, house, sign, etc., 1,512; paper hanging, 389; plastering and stuccowork, 207; plumbing, and gas and steam fitting, 1,552; sewing machine repairing, 32; taxidermy, 10; typewriter repairing, 3; watch, clock, and jewelry repairing, 1,187.

Of the 63,228 establishments of all classes shown in this table, 31,822, or 50.3 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments, consisting principally of the sums received for custom work and repairing, amounted to $137,470,904, or only 7.5 per cent of the total value of the products of the state.

In addition to the 63,228 active establishments in the state during the census year, with a capital of $1,562,286,508, shown in Table 2, there were 349 idle establishments, with a capital of $10,751,710, divided as follows:

INDUSTRIES.	Number of idle establishments.	Capital.	INDUSTRIES.	Number of idle establishments.	Capital.
Bicycles and tricycles	2	$36,500	Leather, tanned, curried, and finished	13	$307,866
Brass castings and brass finishing	1	20,717	Liquors, distilled	8	122,230
Brick and tile	26	660,512	Liquors, malt	1	15,000
Cheese, butter, and condensed milk, factory product	8	15,675	Lumber and timber products	38	201,223
Clothing, men's, factory product	1	12,000	Lumber, planing mill products, including sash, doors, and blinds	10	49,355
Coke	4	59,200	Marble and stone work	3	48,500
Cooperage	1	88,000	Masonry, brick and stone	1	20,000
Explosives	3	23,300	Paints	3	16,600
Flouring and grist mill products	32	155,270	Paper and wood pulp	2	154,000
Foundry and machine shop products	11	262,480	Paving and paving materials	4	30,089
Fruits and vegetables, canning and preserving	3	24,750	Pottery, terra cotta, and fire-clay products	4	211,200
Furniture, factory product	2	65,500	Pumps, not including steam pumps	1	10,000
Gas and lamp fixtures	1	16,800	Roofing and roofing materials	3	84,500
Glass	19	1,968,582	Silk and silk goods	7	235,381
Hosiery and knit goods	9	61,843	Soap and candles	1	30,000
Ice, manufactured	2	117,000	Tin and terne plate	2	76,000
Iron and steel	38	4,455,269	Woolen goods	20	255,100
Iron and steel, forgings	1	15,000	All other industries	63	118,596
Iron and steel, pipe, wrought	1	257,672			

TABLE 3.—COMPARATIVE SUMMARY OF TWENTY-FIVE LEADING INDUSTRIES.

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for selected industries for state	1900	15,665	$1,111,294,443	478,780	$221,138,148	$86,059,020	$780,436,749	$1,291,009,950
	1890	12,613	723,558,973	381,760	174,023,356	51,900,172	580,818,362	935,303,641
Increase, 1890 to 1900	--------	3,052	387,735,470	97,020	47,114,792	34,158,848	199,618,381	355,697,309
Per cent of increase	--------	24.2	53.6	25.4	27.1	65.8	34.4	38.0
Per cent of total of all industries in state	1900	30.0	71.6	65.2	66.6	64.1	74.9	70.4
	1890	32.1	73.0	66.9	66.1	69.8	75.1	72.2
Boots and shoes, factory product	1900	146	6,860,480	9,144	3,111,113	572,624	8,210,846	13,235,933
	1890	158	5,394,799	7,616	3,094,582	311,684	5,012,096	10,354,850
Cars and general shop construction and repairs by steam railroad companies.	1900	144	19,182,001	28,554	15,825,640	3,280,079	23,147,574	43,065,171
	1890	61	17,475,056	22,649	12,301,884	82,909	15,822,037	28,769,728
Cars, steam railroad, not including operations of railroad companies.	1900	11	33,828,723	5,840	3,111,556	1,265,456	12,188,811	19,260,910
	1890	15	7,060,466	4,535	1,833,407	465,900	6,496,258	10,080,722
Cheese, butter, and condensed milk, factory product	1900	749	3,033,128	976	445,708	116,195	8,711,635	10,290,006
	1890	300	1,322,384	766	267,147	61,665	4,433,395	5,319,484
Chemicals	1900	100	22,756,656	4,278	2,198,243	931,869	6,805,769	13,034,384
	1890	71	16,618,052	3,284	1,696,148	461,270	8,138,493	13,144,210
Clothing, men's, factory product	1900	481	10,446,107	10,497	4,422,074	2,137,272	12,212,763	23,389,043
	1890	337	15,609,046	7,675	3,298,517	4,053,254	14,780,351	26,732,348
Clothing, women's, factory product	1900	230	5,197,094	3,311	2,606,024	629,266	6,269,950	11,694,580
	1890	80	1,819,002	2,989	766,094	249,188	2,281,471	3,903,596
Coke	1900	89	20,213,147	9,283	4,516,651	1,227,259	11,678,079	22,282,358
	1890	98	12,000,820	5,855	2,902,892	256,263	7,280,566	10,415,628
Electrical apparatus and supplies	1900	63	20,967,587	7,817	4,002,737	1,647,426	11,372,739	19,112,665
	1890	10	475,169	209	90,952	22,767	430,899	674,565
Flouring and grist mill products	1900	2,719	19,516,993	2,195	1,061,869	667,372	30,566,466	36,039,428
	1890	2,226	21,079,642	3,378	1,269,991	865,868	33,238,981	39,478,076
Foundry and machine shop products	1900	1,260	154,958,750	62,828	33,199,521	6,830,037	62,336,770	127,292,440
	1890	886	69,121,468	38,247	21,483,669	3,672,673	29,275,186	67,587,025
Glass	1900	119	28,287,187	19,420	10,287,491	1,867,879	6,435,463	22,011,130
	1890	99	20,469,049	18,510	8,728,520	911,178	5,294,992	17,179,137
Iron and steel: Total	1900	291	309,729,222	110,864	61,908,405	17,845,789	283,142,785	434,445,200
	1890	311	228,556,407	92,473	49,550,665	9,769,125	180,226,237	264,571,624
Blast furnaces	1900	77	72,512,725	16,075	8,038,016	3,269,022	64,095,277	101,575,487
	1890	116	57,411,570	15,612	7,084,308	2,684,671	57,222,481	75,239,203
Forges and bloomeries	1900	5	87,465	125	52,901	3,174	186,359	231,539
	1890	9	281,036	252	109,768	11,620	467,212	618,231
Rolling mills and steel works	1900	209	237,129,032	94,664	53,817,488	14,573,593	218,860,649	332,588,174
	1890	186	165,863,801	76,609	42,356,589	7,072,884	122,530,544	188,714,190
Iron and steel, pipe, wrought	1900	10	11,698,057	3,675	1,678,961	148,202	11,586,470	15,383,693
	1890	14	18,849,616	9,170	4,294,969	811,216	20,597,831	30,249,795

TABLE 3.—COMPARATIVE SUMMARY OF TWENTY-FIVE LEADING INDUSTRIES—Continued.

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Leather, tanned, curried, and finished	1900	254	$57,320,227	13,396	$5,457,518	$2,432,724	$42,403,503	$55,615,009
	1890	410	30,165,420	10,956	5,222,421	1,650,023	35,641,274	49,931,716
Liquors: Total	1900	281	69,524,514	4,976	3,184,590	15,704,954	8,178,458	34,520,358
	1890	203	28,731,116	3,548	2,364,469	6,921,010	7,787,284	22,698,423
Liquors, distilled	1900	73	5,840,034	471	250,348	2,665,583	1,568,569	5,357,615
	1890	40	2,624,761	400	235,026	2,054,435	1,326,202	4,339,689
Liquors, malt	1900	208	63,684,480	4,505	2,884,242	13,039,371	6,609,889	29,162,743
	1890	163	26,106,355	3,148	2,129,443	4,866,575	6,461,082	18,358,734
Lumber and timber products	1900	2,338	47,832,548	13,510	5,550,163	930,687	20,777,869	35,749,965
	1890	1,948	45,107,300	19,598	5,440,480	1,404,992	15,677,103	29,087,970
Lumber, planing mill products, including sash, doors, and blinds	1900	542	14,191,248	7,472	3,516,550	698,316	9,441,629	16,736,839
	1890	467	14,094,095	7,888	4,219,264	626,568	10,492,181	18,398,688
Paper and wood pulp	1900	73	16,424,107	4,840	1,989,128	1,090,321	6,374,315	12,267,900
	1890	*72*	*9,404,772*	*2,951*	*1,256,340*	*646,472*	*4,646,456*	*7,838,299*
Petroleum, refining	1900	38	26,580,504	3,299	1,681,603	640,429	27,513,735	34,977,706
	1890	55	17,082,606	3,284	1,503,592	543,663	15,006,919	18,493,777
Printing and publishing: Total	1900	1,795	38,667,775	16,991	8,546,517	5,510,178	9,952,198	36,455,629
	1890	1,487	29,749,695	15,009	8,013,445	7,293,717	8,415,911	34,408,493
Book and job	1900	740	14,226,342	7,190	3,357,306	1,841,852	3,873,618	12,833,204
	1890	478	13,072,177	6,051	2,980,801	2,446,554	3,840,578	13,444,459
Music	1900	18	489,288	236	94,442	47,045	108,792	373,345
	1890	17	607,170	146	75,622	94,057	126,519	427,496
Newspapers and periodicals	1900	1,042	23,952,145	9,565	5,094,769	3,621,281	5,069,788	23,249,080
	1890	992	16,070,348	8,812	4,956,962	4,753,106	4,448,814	20,536,538
Slaughtering: Total	1900	111	6,548,577	1,669	920,190	526,972	21,601,810	25,238,772
	1890	242	6,180,789	1,582	772,422	316,572	18,575,330	21,991,604
Slaughtering and meat packing, wholesale	1900	68	6,009,347	1,383	733,932	372,368	15,128,096	17,826,697
	1890	114	4,828,593	1,004	540,940	215,850	11,669,651	14,110,303
Slaughtering, wholesale, not including meat packing	*1900*	*43*	*539,230*	*286*	*186,258*	*154,604*	*6,473,714*	*7,412,075*
	1890	128	1,352,196	578	231,482	100,722	6,905,679	7,881,301
Sugar and molasses, refining	1900	7	23,992,552	1,249	647,592	604,871	33,658,440	36,163,817
	1890	10	7,113,245	1,459	694,195	584,892	41,836,095	46,599,754
Textiles: Total	1900	1,102	127,318,858	102,218	32,772,556	11,841,157	93,371,800	158,782,087
	1890	1,028	93,326,609	79,579	27,205,879	6,102,785	80,074,416	134,001,259
Carpets and rugs, other than rag	1900	93	17,957,607	12,919	5,330,643	1,671,015	13,773,788	23,113,053
	1890	142	15,129,619	12,418	5,246,179	820,434	13,548,371	22,836,416
Cotton goods (including cotton small wares)	1900	178	24,331,965	17,011	6,057,286	2,057,143	13,176,718	25,447,697
	1890	158	15,884,936	12,666	4,388,017	730,125	10,485,247	18,431,773
Dyeing and finishing textiles	1900	105	7,679,906	4,716	2,065,752	556,083	3,174,507	7,038,012
	1890	83	6,296,340	3,355	1,596,565	419,456	2,395,482	5,240,761
Felt goods	1900	3	186,445	75	30,490	11,678	88,715	160,633
	1890	3	242,207	165	101,272	10,780	138,736	322,800
Hosiery and knit goods	1900	319	15,743,981	21,540	5,825,783	1,884,722	10,928,113	21,896,063
	1890	236	9,121,632	15,453	4,262,299	741,956	8,720,363	16,944,237
Shoddy	1900	26	972,070	368	148,240	57,728	1,069,944	1,448,886
	1890	18	640,382	302	116,459	50,305	1,205,258	1,633,770
Silk and silk goods	1900	121	20,894,023	21,028	4,629,626	2,451,820	19,884,869	31,072,926
	1890	66	9,362,063	9,330	2,725,285	939,051	12,094,389	19,357,546
Wool hats	1900	13	750,798	634	255,313	19,501	663,468	1,106,076
	1890	17	1,048,804	1,013	307,425	58,490	747,700	1,444,180
Woolen goods	1900	193	19,405,505	13,721	5,091,932	1,444,778	15,874,544	25,389,344
	1890	264	21,671,137	15,562	5,290,374	1,356,208	19,198,990	29,878,010
Worsted goods	1900	51	19,396,558	10,201	3,337,491	1,686,689	14,737,134	22,109,392
	1890	41	13,929,489	9,315	3,172,001	975,930	11,539,880	17,861,776
Tobacco: Total	1900	2,712	16,218,401	25,483	8,545,748	6,911,686	12,496,866	33,355,932
	1890	2,025	11,762,350	18,550	5,751,412	3,814,563	9,362,600	23,387,910
Chewing, smoking, and snuff	1900	20	1,765,539	257	102,395	451,248	423,245	1,247,397
	1890	11	1,347,228	282	104,217	372,956	507,282	1,355,121
Cigars and cigarettes	1900	2,664	13,836,868	25,045	8,404,687	6,448,701	11,570,888	31,483,141
	1890	1,967	9,471,276	17,385	5,496,557	3,362,955	7,299,782	19,978,429
Stemming and rehandling	1900	28	616,494	181	38,666	11,742	502,733	625,394
	1890	47	943,846	883	150,638	78,652	1,555,536	2,054,300

The 25 leading industries of the state in 1900, as shown in Table 3, embraced 15,665 establishments, or 30 per cent of the total number in the state; used a capital of $1,111,294,443, or 71.6 per cent of the total; gave employment to 478,780 wage-earners, or 65.2 per cent of the total number; and paid $221,138,148, or 66.6 per cent of the total wages. The value of their products was $1,291,000,950, or 70.4 per cent of the total. In the dis-

cussion of Table 3, which follows, these industries are ranked with reference to the value of their products.

Table 3 shows that the manufacture of iron and steel is the most important industry in the state. The 291 establishments reported in 1900 gave employment to 110,864 wage-earners, or 15.1 per cent of the wage-earners employed in the state, and the products were valued at $434,445,200, or 23.7 per cent of the total value of the products of the state. In 1890 there were 311 establishments, 92,473 wage-earners, and products valued at $264,571,624. The increase in the value of products during the decade was $169,873,576, or 64.2 per cent.

From a very early period Pennsylvania has ranked first in this industry. In 1880 the value of its iron and steel products amounted to 49.1 per cent of the total for the United States, and in 1900 to 54 per cent. Allegheny county, which includes the cities of Pittsburg, McKeesport, and Duquesne, was the most important center for the industry in 1900. Other important centers were Johnstown and Newcastle. Iron had been made in several of the other colonies before its manufacture was attempted in Pennsylvania. The industry had its beginning under the encouragement of William Penn. In a book published in Philadelphia in 1692 it was stated that a small amount of iron had been made in the state, but the location was not specified.[1] The first successful attempt to establish works in Pennsylvania for the manufacture of iron was made in 1716, when Thomas Rutter, a smith, erected a bloomery forge on Manatawny Creek, in Berks county, about three miles above Pottstown. In 1728–29 the colony exported 274 tons of pig iron to England. In 1756 Pennsylvania was spoken of as "the most advanced of all the American colonies in regard to its iron works." The industry was greatly stimulated by the discovery of immense deposits of magnetic iron ore in the Cornwall ore hills, near the city of Lebanon. Beginning in 1788 there was a considerable development of the industry in the Juniata Valley, in the south central part of the state, the pig and bar iron manufactured being sold chiefly in Pittsburg, to which point it was carried partly on the backs of horses and partly on flatboats, until the canals were built between the years 1826 and 1839.[2] The first blast furnace west of the Allegheny Mountains was erected on Jacob's Creek, in Fayette county, south of Pittsburg, in 1789, and was blown in 1790.[3] This was the great iron center of western Pennsylvania far into the Nineteenth century, supplying Pittsburg and the Ohio and Mississippi valleys with pig iron and castings for many years. A blast furnace erected at Pittsburg about the year 1792 was soon abandoned, because no ore could be found in the vicinity, and the expense of transporting it from a distance was too great.[4] It was not until 1859 that pig iron was again made in Pittsburg, the Clinton Furnace having been built and blown in that year. In 1812 a rolling mill was built at Pittsburg, and in 1829 there were 8 rolling mills in Allegheny county.

Practically all the furnaces operated in the state prior to 1840 used charcoal as fuel. About that year the use of mineral fuel was introduced, and the modern era of the industry began. With the immense coal supplies of the state available as fuel, the production of charcoal pig iron declined until in 1900 it amounted to only 4,341 tons. Anthracite coal was used first, and for many years was more important than bituminous fuel, but since 1875 this relation has been reversed. In 1880 bituminous coal and coke pig iron constituted 34.9 per cent of the total production, as compared with 61.3 per cent in 1890 and 76.1 per cent in 1900. In the latter year almost all the pig iron made with bituminous fuel was produced with coke alone, very little bituminous coal being mixed with the coke. There are extensive deposits of iron ore in the state, and these local ores were used almost exclusively, up to the middle of the century. Since then the production of iron ore has greatly increased, amounting to 1,009,327 long tons in 1899, when the state ranked fourth in the United States,[5] but these ores supplied but a small part of the blast furnaces of the state, the more important source of supply, in recent years, being the mines in the Lake Superior district. This ore was first used in a blast furnace in the United States near Sharon, Pa., in 1853. In 1855 the Sault Ste. Marie Canal was opened, and the great development of the Lake Superior iron ore trade began.[6] Of the 18,251,804 long tons of iron ore shipped from these mines in 1899, 15,222,187 tons were received at the eleven Lake Erie ports, the greater part of this being shipped directly to Pennsylvania.[7] To control deliveries and freight rates, one Pennsylvania steel company has built a railroad connecting its works at Pittsburg with Lake Erie.

As a result of these two important changes—the increased use of bituminous as compared with anthracite fuel, and the increased use of Lake Superior iron ores as compared with the Pennsylvania ores—the localization of the iron industry in the state has been considerably changed. The anthracite coal region is in the eastern part of the state, chiefly in Luzerne, Lackawanna, and Schuylkill counties, and the iron ore deposits are located here and in the southern parts of the state.[8] Until about the middle of the century the center of iron manufactures also was here. During recent years, however, as a result of the causes just named, the greatest production has come to be in the western part of the state, chiefly in the Pittsburg district. Here the blast furnaces are nearer the Lake Superior ore, and are favored by their proximity to the abundant coke of the Connellsville region, which is equal, if not superior, to

[1] Tenth Census of the United States, Manufactures, folios 807, 809, and 814.

[2] Ibid., folios 817 and 820.

[3] Iron in all Ages, by J. M. Swank, Second Edition, 1892, page 214.

[4] Tenth Census of the United States, Manufactures, folio 821.

[5] United States Geological Survey: Mineral Resources, 1899, Metallic Products, Coal, and Coke, page 34.

[6] Tenth Census of the United States, Manufactures, folios 843 and 844.

[7] United States Geological Survey: Mineral Resources, 1899, Metallic Products, Coal, and Coke, pages 57, 60, and 62.

[8] Ibid., pages 46 and 487.

any other coke produced in the United States. The western part of the state has been further favored by the abundant production of natural gas in that region. This fuel is very largely used in the rolling mills of the state, its cost during the census year constituting 22.3 per cent of the total cost of fuel.

The development of the steel manufacture in Pennsylvania was slow. It had been attempted about 1750, and in 1805 there were 2 steel furnaces in the state which produced annually 150 tons of steel. In 1810 only 917 tons were produced in the United States, of which amount 531 tons were produced in 5 furnaces in Pennsylvania. Three years later there was a steel furnace in Pittsburg, the first in that city. While there was a considerable increase in the quantity, the quality was variable until 1860, when crucible cast steel of the highest grade was made in Pittsburg as a regular product.[1] This triumph marks the establishment of a new industry. The manufacture of Bessemer steel was begun in Pennsylvania in 1867, an establishment at Steelton, in Dauphin county, being the third in the United States to use this process. The first steel rails made in the United States upon order, in the way of regular business, were manufactured in the same year at Johnstown.[2] The most characteristic development in the steel industry of Pennsylvania during the last fifteen years has been the increasing importance of open-hearth as compared with Bessemer steel.

Closely allied to the iron and steel industry is the manufacture of tin and terne plate, the statistics of which are shown in Table 7. There were 25 establishments engaged in this industry in 1900, with 1,578 wage-earners, and products valued at $12,530,991. The state ranked first in this manufacture, the value of its products amounting to 39.8 per cent of the total for the United States. Tin and terne plate was first regularly made in the United States in 1872, at an establishment in Pittsburg, but the great development of the industry has taken place since 1890.

The manufacture of textiles ranks second among the industries of the state, with 1,102 establishments, 102,213 wage-earners, and products valued at $158,782,087. In 1890 there were 1,028 establishments, 79,579 wage-earners, and products valued at $134,001,269. The increase in the value of products during the decade was $24,780,818, or 18.5 per cent.

Pennsylvania ranked second in the United States in this industry in 1900, by far the larger part of the operations being confined to the city of Philadelphia, which is the greatest textile center in the country.

Of the several branches of the industry, the manufacture of silk stood first in the value of products in 1900. In 1880 Pennsylvania ranked fifth in this manufacture in the United States, having 8.5 per cent of the total value of products for the country. In 1900 it ranked second, with 29 per cent of the total. The industry was carried on most extensively at Philadelphia, Scranton, Allentown, and Easton. Silk culture was recommended and encouraged very early in the history of the state, and a filature for reeling silk from cocoons was opened in Philadelphia in 1750, under the patronage of Benjamin Franklin and others. Considerable quantities of sewing silk were made in families, and to Susanna Wright, of Columbia, Lancaster county, a Quaker of some literary fame, a premium was awarded in 1770 for reeling and weaving, from home-grown cocoons, a piece of "mantua" sixty yards long, from which a dress was made for Queen Charlotte.[3] In 1793 the making of fringes, coach laces, and tassels was begun in Philadelphia. and in 1815 the industry was expanded to include silk trimmings, naval sashes, ribbons, and braids. Power looms were introduced about 1837, for weaving ribbon and other narrow goods. One establishment soon became the most extensive producer of trimmings in the United States, having made gold lace several years before its manufacture was attempted in Europe. Excellent black silk plush was made in Philadelphia in 1831, and figured silk vestings and other woven goods at Economy about the same time. About 1839 the culture of silk was abandoned, and attention confined to the manufacture, which has advanced steadily, the greatest growth being between the years 1880 and 1890. During the last decade many localities have offered financial inducements to attract the industry. At many of the establishments in recent years the operations consist entirely in "throwing," the thrown silk being sent to other states to be woven into cloth.

In 1880 Pennsylvania ranked sixth in the United States in the manufacture of cotton goods, having 5.7 per cent of the total value of products for the United States. In 1900 the state ranked fifth, with 7.0 per cent of the total. The industry was carried on in 1900 most extensively at Philadelphia and Chester. As early as 1775 a spinning jenny of 24 threads was put into operation in Philadelphia, and in 1782 Samuel Wetherall advertised for sale probably the first factory-made jeans, fustians, and everlastings made in the United States.[4] In 1810, 611,481 yards of cotton goods of household manufacture were produced in the state, 233,232 yards of which were made in the county of Philadelphia. The industry was reported, however, for almost every county in the state. In addition 65,326 yards were made in 6 mills in Philadelphia county. A plant for the manufacture of "Nottingham lace" was established at Wilkesbarre in 1886, and operated with considerable success. In 1891 the manufacture was begun in Philadelphia, and in 1895 and 1896 plants were built at Scranton and Columbia. In 1899 there were 9 lace plants in the United States, 7 of which were located in Pennsylvania.[5] The use of cotton for decorative fabrics originated in Philadelphia, where it has been brought to

[1] Tenth Census of the United States, Manufactures, folio 858.
[2] Ibid., folio 862.

[3] Eighth Census of the United States, Manufactures, Introduction, pages xcix, c, and cii.
[4] Ibid., page xv.
[5] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1899, pages 54 to 57.

great perfection, cotton tapestries and chenille curtains being most conspicuous in this line.

In 1870 Pennsylvania ranked second in the manufacture of woolen goods, having 17.7 per cent of the total value of the products for the United States. The state ranked second in 1900 also, with 21.4 per cent of the total. The industry was carried on in 1900 almost entirely in the city of Philadelphia. The manufacture of woolen goods was established in Pennsylvania, on the banks of the Schuylkill River, by English settlers, and was characterized in the early days by the large number of small, independent factories, many of which used hand looms.[1] In 1810, 30,666 yards of woolen cloth were manufactured in the factories of the state, and the industry was carried on also in households in almost every county, 997,346 yards of cloth being thus manufactured. There were 213 fulling mills in operation, which reported 687,383 yards of cloth fulled, and 340 carding mills, which reported 1,940,350 pounds of wool carded. In 1850 Pennsylvania produced more yarn than any other state. This was consumed chiefly by the hand-loom weavers of that and the Western states. In 1860 all-wool and mixed cassimeres, satinets, Kentucky jeans, twills, tweeds, and flannels were manufactured in Philadelphia in large quantities, and were sold largely in the West. With the concentration of the industry in the city of Philadelphia, there has been a gradual subdivision of the manufacture. This has created a large number of independent subordinate industries, carried on in separate establishments. The mills of this city excel in various products, especially in women's dress goods novelties.[2]

The growth of the carpet industry in Pennsylvania has been remarkable. In 1850 the state ranked third, with products valued at 21 per cent of the total for the United States. In 1870 it ranked first, with 44.8 per cent of the total, and in 1900 first, with 48 per cent of the total. The industry was carried on in 1900 almost entirely in the city of Philadelphia. Carpets were seldom seen in the United States before the Revolution. As early as 1791, however, a factory was in operation at Philadelphia, making Turkey and Axminster carpets.[3] In 1810, 9,034 yards of carpets were manufactured in Pennsylvania, 7,501 yards of which were made in Philadelphia. In 1857 there were more than a hundred carpet manufacturers in this city using hand looms, and one manufacturer using power looms. The first successful power loom for weaving ingrain carpets was invented by a New England man, and the New England manufacturers refused for a long time to allow it to be used outside of their mills.[4] It was, therefore, not until 1868, when the Murkland power loom was introduced, that Philadelphia was placed on an equal footing with New England in this industry. Between the years 1880 and 1890 great improvements were made in the weaving and designing of ingrain carpets, due largely to the importation of some remarkably beautiful specimens of these carpetings from England.

Ingrain carpets have always been the most important product of the Philadelphia factories. Desultory attempts were made to manufacture finer fabrics,[5] but as late as 1870 there was not a Brussels loom in operation in the state, although they had been in practical use in the New England states for years. Probably more ingrain carpets are now made in this city than in any other city in the world. The manufacture of Venetian carpeting—a striped fabric for halls and stairs—was for many years an extensive branch of the Philadelphia industry. This has now almost disappeared, due to the decreased cost of tapestry Brussels carpeting, which has taken its place. The first tapestries manufactured in Pennsylvania were made in Philadelphia in 1873, and tapestry weaving has since become a very considerable feature of the Philadelphia industry.[6] The manufacture of Smyrna rugs was introduced from England about 1876, and was soon brought to great perfection in Philadelphia. Since the invention of the power "setting machine," the cost of manufacture has been very much reduced.

In 1870 Pennsylvania ranked second in the manufacture of worsted goods, with 35.7 per cent of the total value of products for the United States; and third in 1900, with 18.4 per cent of the total. The industry was carried on in 1900 almost entirely in the city of Philadelphia. The first power-combing worsted mills in this city were established about 1860, making nothing but yarns. At this time the industry received its greatest stimulus, through the introduction of the Noble comb from England, a machine which made possible the use of short, fine wools for worsted yarns.[7]

Pennsylvania has ranked second in the manufacture of hosiery and knit goods since 1870, having in that year 28.8 per cent of the total value of products for the United States, and 22.9 per cent in 1900. Philadelphia is the leading center of the industry. It differs from the other great center, Cohoes, N. Y., and its neighboring towns, in that the products in Philadelphia are chiefly hosiery, while the New York mills produce mostly underwear. The German Palatines who settled in Germantown about 1698 appear to have introduced the manufacture of hosiery into the United States. At the semiannual fairs established by William Penn in Philadelphia, the German hosiery exhibit was always a striking feature.[8] In 1810, 107,508 pairs of stockings were manufactured in Pennsylvania, 53,981 of which were made in Philadelphia county. In 1858 there were 700 hand-knitting frames in operation in the city of Philadelphia. Some of the most famous and successful knitting machines have been invented in this

[1] Eighth Census of the United States, Manufactures, Introduction, page xxxiii.

[2] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1890, pages 94 and 96.

[3] Eighth Census of the United States, Manufactures, Introduction, pages liv and lviii.

[4] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1889, pages D14 to D18.

[5] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1889, pages D9, D41, and D45.

[6] Ibid., pages D38 and D43.

[7] Ibid., 1888, page D1.

[8] Eighth Census of the United States, Manufactures, Introduction, pages xlii and xlv.

city. A peculiarity of the industry in Philadelphia in early days—the carrying on of knitting as a house occupation by hand-frame operatives—has persisted somewhat to the present time. While Pennsylvania has a representation of large mills unequalled by any other state except New York, it has also a large number of establishments located within its borders which employ very few machines, and use knitting merely as an outlet for some other business or manufacturing enterprise.

The dyeing and finishing of textiles in Pennsylvania is centered chiefly in the city of Philadelphia. Calico printing from wooden blocks was carried on in this city as early as 1788, when John Hewson, sr., assisted by a loan of £200 from the state, began operations at Dyottsville, within the present limits of Philadelphia. The cloth was spread out on a table and the stamping done by hand.[1] In 1803 there were 3 print works in Philadelphia, printing annually 300,000 pounds of calico. It was in 1809 that cotton goods were first printed in the United States upon engraved copper rollers. This was done at the printing and bleaching works of Thorp, Siddle & Co., near Philadelphia, the machinery being imported from England. In 1810 there were 40 dyers in Pennsylvania, 8 of whom were in Philadelphia county. In 1822 the engraving of metallic rollers for calico printing was begun in Philadelphia by Mason & Baldwin, who took out patents in 1827 for biting figures on steel cylinders.

A machine for reducing rags to shoddy was patented by a Philadelphia manufacturer about the beginning of the century, and shortly afterwards an attempt was made to make shoddy at this point, but the industry did not assume importance until about the middle of the century.[2]

Reading and the adjoining village of Mohn's Store constitute the chief center in the United States for the manufacture of wool hats.[3] In 1786 it was estimated that 160,000 wool hats were made in the state, and Berks county, which includes the city of Reading, was even at that time the chief center.[4] In 1860, 474,924 wool and mixed hats were manufactured, the state leading all others in this industry. The decline in recent years has been due to the increased use of rabbits' fur instead of wool in the manufacture of hats.

There were 1,260 establishments engaged in 1900 in the manufacture of foundry and machine shop products, the industry third in rank, with 62,828 wage-earners, and products valued at $127,292,440. In 1890 there were 886 establishments, 38,247 wage-earners, and products valued at $67,587,025. The increase in the value of products during the decade was $59,705,415, or 88.3 per cent. Allied to this industry is the manufacture of iron and steel wrought pipe, in which there were 10 establishments engaged in 1900, with 3,675 wage-earners, and products valued at $15,383,693. In 1890 there were 14 establishments, 9,170 wage-earners, and products valued at $30,249,795. The decrease in the value of products during the decade was $14,866,102, or 49.1 *per cent.* Pennsylvania has always held high rank in the foundry and machine shop industry, and especially so in certain of the products. The state ranked first in the number of steam locomotives built in 1900, producing more than one-half of the total for the United States; second in metal-working machinery; and second in pumping machinery. In 1831, one year after the first locomotive was built in the United States for actual work, locomotive building was begun at Philadelphia, and in 1832 "Old Ironsides" was completed for the Germantown and Norristown Railroad Company. This locomotive had a stiff wooden frame, and its driving wheels had wooden spokes. This pioneer company is still in existence, and has now a capacity of over a thousand locomotives per year. The exportation of locomotives from Pennsylvania to European markets began in 1845, and has continued increasingly up to the present time. In 1865 works were organized in Pittsburg which still exist, and have now a capacity of 300 locomotives per year.[5]

What was probably the first stove made in the United States, a "jamb stove," was manufactured by Christopher Sauer, of Germantown, between 1730 and 1740.[6] In 1742 Franklin invented his stove, the pieces of which were cast in a new furnace near Reading. The name of this furnace, "Warwick," was cast on the front of each stove.[7] The first printing press made in the United States came from the shop of Adam Ramage, in Philadelphia, about 1795.[8] In 1810 there were 2 printing-press factories in this city, reporting products valued at $26,000, and 2 manufactories of hydraulic engines, reporting products valued at $25,000. The cannon balls used by General Jackson at the battle of New Orleans were cast in works built in Fayette county in 1797. Hollow ware, Dutch ovens, stoves, sugar kettles, skillets, pots, grates, irons, and plow castings also were made. A portion of these goods was consumed in the state, and the remainder shipped down the Ohio and Mississippi rivers.[9] In 1836 there were 18 foundries, engine factories, and machine shops in the city of Pittsburg.

Numerous other iron and steel products are made in large quantities in Pennsylvania, the statistics being shown in Table 7 under the classifications, bridges, and iron-work, architectural and ornamental.

There were 254 establishments engaged in the tanning, currying, and finishing of leather in 1900, with 13,396 wage-earners, and products valued at $55,615,009. In

[1] Eighth Census of the United States, Manufactures, Introduction, page xviii.
[2] Ibid., page xxxiv.
[3] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1899, pages 109 and 110.
[4] Eighth Census of the United States, Manufactures, Introduction, page clviii.
[5] One Hundred Years of American Commerce, Vol. II, pages 337 and 338.
[6] Ibid., page 357.
[7] Tenth Census of the United States, Manufactures, folio 810.
[8] One Hundred Years of American Commerce, Vol. II, page 650.
[9] Tenth Census of the United States, Manufactures, folios 814 and 821.

1890 there were 410 establishments, 10,956 wage-earners, and products valued at $49,931,716. The increase in the value of products during the decade was $5,683,293, or 11.4 per cent. In 1880 Pennsylvania ranked second in this industry, having 18.9 per cent of the total value of the products for the United States; and first in 1900, with 27.3 per cent of the total. The industry was carried on in 1900 most extensively at Philadelphia and in Tioga, Elk, Potter, and Clearfield counties. In 1810 there were 715 tanneries in the state, with products valued at $1,599,044. The value of products was large in Philadelphia, York, and Lancaster counties, but the industry was carried on in almost every county in the state. The process of tanning by the use of chemicals was brought to perfection at Philadelphia shortly after 1856, and within five years led to the development of an establishment which, in 1895, was reported to be the largest leather manufactory in the world.[1] Upon the exhaustion of the hemlock bark in the southeastern part of New York state, some years after the Civil War, tanners turned their attention to the vast hemlock forests of central and northern Pennsylvania, and a great development in the leather industry followed.[2] Hemlock bark and chemicals were the leading tanning materials used in the state in 1900.

There were 144 establishments engaged in the car construction and general shop work of steam railroad companies in 1900, with 28,554 wage-earners, and products valued at $43,065,171. In 1890 there were 61 establishments, 22,649 wage-earners, and products valued at $28,769,728. The increase in the value of products during the decade was $14,295,443, or 49.7 per cent. Pennsylvania ranked first in this industry in 1900, the value of its products amounting to 19.7 per cent of the total for the United States.

Allied to this is the manufacture of steam railroad cars other than by railroad companies. There were 11 establishments engaged in this industry in 1900, with 5,840 wage-earners, and products valued at $19,260,910. In 1890 there were 15 establishments, 4,535 wage-earners, and products valued at $10,080,722. The increase in the value of products during the decade was $9,180,188, or 91.1 per cent. Pennsylvania ranked second in this industry in 1900, and the value of its products amounted to 21.3 per cent of the total for the United States.

In these two classes of establishments 167 passenger cars, valued at $200,400, and 23,697 freight cars, valued at $12,968,113, were manufactured during the census year. Establishments operated by steam railroad companies were located at Altoona, Reading, Philadelphia, and other cities, while car construction by other establishments was carried on most extensively at Allegheny, Pittsburg, and Berwick.

There were 2,719 establishments engaged in the manufacture of flouring and grist mill products in 1900, with 2,195 wage-earners, and products valued at $36,639,423. In 1890 there were 2,226 establishments, 3,378 wage-earners, and products valued at $39,478,076. The decrease in the value of products during the decade was $2,838,653, or 7.2 per cent. In 1900 the industry was carried on most extensively in Dauphin, Lancaster, Berks, and York counties. In 1899 Pennsylvania ranked thirteenth in the production of corn and twelfth in the production of wheat.[3] In 1810 flour and grist milling was carried on in almost every county in the state, the value of products of the "wheat mills" being reported at $10,800,290. At that time Northampton produced more flour than any other county.

There were 1,795 establishments engaged in printing and publishing in 1900, with 16,991 wage-earners, and products valued at $36,455,629. In 1890 there were 1,487 establishments, 15,009 wage-earners, and products valued at $34,408,493. The increase in the value of products during the decade was $2,047,136, or 5.9 per cent. Pennsylvania ranked second in the printing and publishing of newspapers and periodicals in 1900, and the value of its products amounted to 10.4 per cent of the total for the United States. The first printing press in Pennsylvania was erected in Philadelphia, in 1686, four years after the first English settlement was made in the colony. The publication of magazines and other periodicals was attempted by Franklin as early as 1741. In 1810 it was estimated that half a million volumes were printed annually in Philadelphia.[4] The first Bible printed in the United States, except those printed in the Indian language, was from the press of Christopher Sauer, at Germantown, in 1743. The descendants of this early printer are still publishers in the city of Philadelphia. For fifty years after the Revolution this city was unquestionably first in the printing industry, the first daily paper in the United States having been established there in 1784. Shortly after the beginning of the century 110 wooden presses were in operation in Philadelphia—a larger number than in any other English-speaking city in the world except London.[5] The growth of book publishing was promoted by annual fairs and auction sales established in 1802 by the American Company of Booksellers, and held for a while alternately in New York and Philadelphia. In 1810, 73 newspapers were published in Pennsylvania, 8 of which were daily papers—a larger number than was published in New York state at that time.[6] In 1817 "The Columbian," a hand press, was invented by George Clymer, of Pennsylvania, and was introduced in the following year into England, where it remained in use until 1860. It was the first press built in the United States capable of printing both sides of a newspaper at once.

There were 7 establishments engaged in the refining of sugar and molasses in 1900, with 1,249 wage-earners, and products valued at $36,163,817. In 1890 there were 10 establishments, 1,459 wage-earners, and products valued at $46,599,754. The decrease during the decade was

[1] One Hundred Years of American Commerce, Vol. II, page 497.
[2] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1892, page A11.
[3] Yearbook of the United States Department of Agriculture, 1899, pages 765 and 766.
[4] Eighth Census of the United States, Manufactures, Introduction, pages cxxxv, cxxxvii, and cxxxviii.
[5] One Hundred Years of American Commerce, Vol. I, pages 309 and 314.
[6] Ibid., page 167.

$10,435,937, or 22.4 per cent. This industry has always been confined very largely to Philadelphia, because the raw sugar used is brought chiefly from foreign markets. In 1810, 10 sugar refineries were in operation in this city, with products valued at $605,600. In 1840 there were 3 small refineries, located in alleys and side streets and operated by rude and unscientific methods.[1] In 1866 the first sugar refinery was built on the Delaware River front. This marked a new era in the industry, with better transportation facilities, improved machines, and scientific methods of operation. In 1890 the largest of the refineries in Philadelphia had a capacity of 7,000 barrels per day, and used more raw sugar each year than was produced in the United States. The raw cane sugar was brought chiefly from the West Indies, Brazil, Demerara, and the East Indies, and large cargoes of raw beet sugar were brought from Germany and other countries.

There were 2,338 establishments engaged in the manufacture of lumber and timber products in 1900, with 13,510 wage-earners, and products valued at $35,749,965. In 1890 there were 1,948 establishments, 19,598 wage-earners, and products valued at $29,087,970. The increase in the value of products during the decade was $6,661,995, or 22.9 per cent.

Although the production of lumber has increased since 1870, the state has fallen in rank. In that year it stood second, having 13.8 per cent of the total value of products for the United States, while in 1900 it stood fourth, with but 6.3 per cent of the total. Hemlock, the principal variety of lumber cut in 1900, constituted 73 per cent of the total amount produced in the state. This wood, despised twenty years ago except for tanbark, is being rapidly exhausted, though it is still found in considerable quantities in northern Pennsylvania.[2] Oak, white pine, poplar, and spruce ranked next to hemlock in importance, in the order named. The lumber industry is carried on most extensively in Lycoming, Potter, Elk, McKean, Jefferson, and Forest counties—Williamsport, Bradford, and South Williamsport being important centers. Of the 4 plants in the United States which produced more than 100,000,000 feet of lumber, board measure, during the census year, 1 was located in Pennsylvania.

In 1810, 73,847,640 feet of lumber were sawed in the state, chiefly in Northumberland, Luzerne, Chester, Warren, and Philadelphia counties. In addition to this, 700,000 feet of mahogany were sawed in 21 sawmills in the state. As early as 1804 large amounts of lumber were handled at Pittsburg, and about 1819, in a St. Louis price list, mention is made of pine boards brought from Pittsburg in flatboats, selling at $8 per 100 feet. In 1838 the first large mills were erected at Williamsport, but the boom which afterwards supplied forty or fifty mills was not built until 1850. Lumber was sent down the Ohio River in large quantities until about 1876, by which time the pine of northern Pennsylvania had become nearly exhausted.[3] Between 1860 and 1874 there was a marked development in the industry. Timber was cut extravagantly and for a time it was feared the state's timber supply would be entirely exhausted. The panic of 1873 completely paralyzed the industry and checked this waste.[4] Since that time there has been a gradual rise in the price of lumber, due to the decreasing supplies, and the forests have been cleared with more discretion.

There were 38 establishments engaged in the refining of petroleum in 1900, with 3,299 wage-earners, and products valued at $34,977,706. In 1890 there were 55 establishments, 3,284 wage-earners, and products valued at $18,498,777. The increase in the value of products during the decade was $16,478,929, or 89.1 per cent. Pennsylvania ranked first in this industry both in 1870 and in 1900, the value of its products constituting 56.6 per cent of the total for the United States in the former year, and 28.2 per cent in the latter. In 1900 the industry was carried on most extensively at Philadelphia and in Venango county. Petroleum has been known in Pennsylvania from very early times, and in the census of 1810, 550 gallons of "spring oil" were reported for Venango county. Until Drake's invention, in 1858, at Titusville, by which oil was obtained from driven wells, all supplies had been gotten from springs and surface wells.[5] In 1899 the production of crude petroleum in the state amounted to 13,053,603 barrels, or 22.9 per cent of the total for the United States.[6] This amount was somewhat less, however, than the amount of crude petroleum used in the refineries of the state during the census year, considerable quantities of crude oil being received from neighboring states. In the days of railroad transportation of petroleum, freight charges were so heavy that it was economical to carry on refining near the wells, and the region about Pittsburg and Oil City was filled with numerous small works, the first refinery at the former city having been established in 1855. After the introduction of pipe lines, in 1875, the cost of transportation was so much reduced that it became advantageous to ship the crude oil to large refineries on the seaboard, near New York, Philadelphia, and Baltimore, and on the shores of Lake Erie, near Buffalo and Cleveland.[7]

There were 281 establishments engaged in the manufacture of liquors in 1900, with 4,976 wage-earners, and products valued at $34,520,358. In 1890 there were 203 establishments, 3,548 wage-earners, and products valued at $22,698,423. The increase in the value of products during the decade was $11,821,935, or 52.1 per cent. The production of malt liquors has come to be by far the most important branch of the liquor industry, although in the

[1] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1890, pages D2 and D18.

[2] One Hundred Years of American Commerce, Vol. I, page 200.

[3] One Hundred Years of American Commerce, Vol. I, page 197.

[4] Report of the Secretary of Internal Affairs of Pennsylvania, Part III, Industrial Statistics, 1876–77, page 654.

[5] One Hundred Years of American Commerce, Vol. I, pages 204–206.

[6] United States Geological Survey: Mineral Resources, 1899, Nonmetallic Products, except Coal and Coke, page 12.

[7] One Hundred Years of American Commerce, Vol. I, page 209.

early years of the century the production of distilled liquors was more important. In 1900 Pennsylvania ranked second in the malt liquor industry, having 12.3 per cent of the total value of the products for the United States. The industry was carried on in 1900 most extensively at Philadelphia, Pittsburg, Allegheny, and Scranton. The state ranked fifth in distilled liquor production in 1900, its value of products amounting to 5.5 per cent of the total for the United States. The industry was carried on in 1900 most extensively in Westmoreland, Allegheny, and Fayette counties.

Distilling was carried on to a considerable extent about the middle of the last century. The attempt of the United States Government to collect the first internal-revenue tax upon distilled spirits resulted, in 1794, in the uprising in the western part of Pennsylvania, known as the "Whiskey Rebellion." In 1810, 6,552,284 gallons of whiskey were reported for the state, the largest production being in Lancaster and Philadelphia counties, although the industry was carried on in almost every county in the state.

There were 2,712 establishments engaged in the manufacture of tobacco in 1900, with 25,483 wage-earners, and products valued at $33,355,932. In 1890 there were 2,025 establishments, 18,550 wage-earners, and products valued at $23,387,910. The increase in the value of products during the decade was $9,968,022, or 42.6 per cent. In 1899 Pennsylvania produced tobacco leaf to the value of $2,959,304, ranking sixth in the United States. The manufacture was extensive as early as 1810, during which year 29,061,000 "American cigars" were manufactured in Pennsylvania, nearly the entire quantity being made in Philadelphia. In addition to these, more than three million "Spanish cigars" were manufactured.

There were 111 establishments engaged in the slaughtering industry in 1900, with 1,669 wage-earners, and products valued at $25,238,772. In 1890 there were 242 establishments, 1,582 wage-earners, and products valued at $21,991,604. The increase in the value of products during the decade was $3,247,168, or 14.8 per cent. The branch of the industry which includes meat packing is by far the more important of the two, and was carried on during the census year chiefly at Philadelphia, Allegheny, and Pittsburg.

There were 481 establishments engaged in the factory manufacture of men's clothing in 1900, with 10,497 wage-earners, and products valued at $23,389,043. In 1890 there were 337 establishments, 7,675 wage-earners, and products valued at $26,732,348. The decrease in the value of products during the decade was $3,343,305, or 12.5 per cent. Allied to this industry is the factory manufacture of women's clothing, in which there were 230 establishments engaged in 1900, with 8,311 wage-earners, and products valued at $11,694,580. In 1890 there were 80 establishments, 2,989 wage-earners, and products valued at $3,903,596. The increase in the value of products during the decade was $7,790,984, or 199.6 per cent. The manufacture of men's clothing was carried on in the state as a hand trade early in the Eighteenth century. In 1718 the tailors of Philadelphia applied to the state for an act of incorporation.[1] In the early years of the industry in this city, clothing was sent out into the country to be sewed by the wives and daughters of farmers during the winter.[2] The factory industry began in the United States about 1820, and shortly after that date several establishments were in operation in Philadelphia, shipping their products to the Southern states. In 1860 the value of men's clothing manufactured in Pennsylvania exceeded that of all New England, Philadelphia contributing three-fourths of the entire product. The manufacture of women's clothing assumed importance in the United States about the year 1845, and in 1860 there were 4 establishments in the city of Philadelphia, with products valued at $345,000.

There were 89 establishments engaged in the manufacture of coke in 1900, with 9,283 wage-earners, and products valued at $22,282,358. In 1890 there were 98 establishments, 5,855 wage-earners, and products valued at $10,415,628. The increase in the value of products during the decade was $11,866,730, or 113.9 per cent. Pennsylvania has long ranked first in this industry, the production in 1880 amounting to 84.2 per cent of the total for the United States, and in 1900 to 62.6 per cent of the total. For twenty years the Connellsville district, famous for both the quantity and the quality of its coke, has contributed each year, with one exception, over 50 per cent of the entire production of the United States.[3] The yield of coal in coke rose from 65.5 per cent in 1880 to 69.4 per cent in 1899, while the value fell from $1.79 per ton in 1880 to $1.64 in 1899. An average of 1,676 carloads of coke leave this district each day. The quality of the coal used is such that it needs little or no preparation before being charged into the ovens.

There were 119 establishments engaged in the manufacture of glass in 1900, with 19,420 wage-earners, and products valued at $22,011,130. In 1890 there were 99 establishments, 18,510 wage-earners, and products valued at $17,179,137. The increase in the value of products during the decade was $4,831,993, or 28.1 per cent. Pennsylvania has long led all other states in this manufacture, having 51.8 per cent of the total value of the products for the United States in 1870, and 38.9 per cent in 1900. The industry was carried on in 1900 most extensively in Allegheny, Westmoreland, Washington, and Armstrong counties, in the western part of the state. Glass making has been stimulated in this section by abundant supplies of bituminous coal and natural gas, and by deposits of glass sand in Juniata and Fayette counties, equal in quality to that found anywhere else in the world, and by the abundance of fire clay suitable for furnaces, found in western Pennsylvania and eastern Ohio.[4]

Mention was made by William Penn, in 1683, of a glass-house in Pennsylvania, but its location was not stated.

[1] Eighth Census of the United States, Manufactures, Introduction, pages lx, lxiii, lxxxiii.
[2] One Hundred Years of American Commerce, Vol. II, page 563.
[3] United States Geological Survey: Mineral Resources, 1899, Metallic Products, Coal, and Coke, pages 594, 598, 599, and 600.
[4] Tenth Census of the United States, Manufactures, folios 1066, 1074, and 1075.

TABLE 4.—COMPARATIVE SUMMARY, ALLEGHENY, ALLENTOWN, ALTOONA, CHESTER, ERIE, HARRISBURG, JOHNSTOWN, LANCASTER, McKEESPORT, PHILADELPHIA, PITTSBURG, READING, SCRANTON, WILKESBARRE, WILLIAMSPORT, AND YORK, 1890 AND 1900, WITH PER CENT OF INCREASE.

	Year.	Number of establishments.	Capital.	Wage-earners. Average number.	Wage-earners. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
The State	1900	52,185	$1,551,548,712	733,834	$332,072,670	$134,344,269	$1,042,434,599	$1,834,790,860
	1890	39,339	991,243,115	570,393	263,375,215	74,841,458	778,784,637	1,331,794,901
Per cent of increase		32.7	56.5	28.7	26.1	79.5	34.7	37.8
Allegheny	1900	893	50,122,503	20,804	10,352,502	5,120,269	29,478,781	54,136,967
	1890	675	22,253,243	11,857	5,916,525	1,728,571	14,231,758	26,878,979
Per cent of increase		32.3	125.2	75.5	75.0	196.2	107.1	101.4
Allentown	1900	491	11,996,971	8,447	3,150,970	1,310,643	9,846,047	16,947,722
	1890	382	6,977,091	5,293	1,910,882	532,875	5,102,911	8,876,565
Per cent of increase		28.5	71.9	59.6	64.9	146.0	92.9	90.9
Altoona	1900	230	8,108,819	8,090	4,619,828	350,501	8,876,488	14,250,656
	1890	208	7,955,428	6,216	3,440,298	241,121	6,133,222	10,497,019
Per cent of increase		10.6	1.9	30.1	34.3	45.4	36.6	35.8
Chester	1900	315	18,977,710	7,682	3,462,196	1,222,400	9,261,886	16,421,725
	1890	201	9,397,033	6,559	2,807,341	608,831	6,844,825	11,864,899
Per cent of increase		56.7	102.0	17.1	23.3	100.8	35.3	38.4
Erie	1900	644	20,418,016	9,339	4,574,625	1,197,411	9,107,305	19,053,202
	1890	236	12,812,594	6,463	3,248,366	718,157	6,145,680	12,765,768
Per cent of increase		172.9	59.4	44.5	40.8	66.7	48.2	49.3
Harrisburg	1900	446	8,749,516	7,362	2,949,544	646,950	9,402,516	16,064,597
	1890	475	6,716,074	6,314	2,947,291	428,757	5,432,303	10,538,444
Per cent of increase		[1] 6.1	30.3	16.6	0.1	50.9	73.1	52.4
Johnstown	1900	248	16,940,450	6,116	3,213,189	1,922,080	14,445,126	22,550,890
	1890	113	13,280,296	5,369	2,879,669	789,343	13,137,331	18,422,989
Per cent of increase		119.5	27.6	13.9	11.6	143.5	10.0	22.5
Lancaster	1900	738	10,803,464	9,349	3,323,748	1,193,997	8,342,709	16,370,281
	1890	599	7,691,314	7,330	2,219,917	691,291	6,306,495	11,361,535
Per cent of increase		23.2	40.5	27.5	49.7	72.7	32.3	44.1
McKeesport	1900	180	17,876,016	7,605	4,370,381	428,226	22,309,161	37,074,136
	1890	118	10,979,812	6,078	3,189,558	737,562	10,617,338	17,432,721
Per cent of increase		52.5	62.8	25.1	37.0	[1] 41.9	110.1	112.7
Philadelphia	1900	15,887	476,529,407	246,445	111,847,076	55,575,685	326,877,441	603,466,526
	1890	18,166	375,249,715	234,647	113,306,173	39,615,476	311,645,804	577,234,416
Per cent of increase		[1] 12.5	27.0	5.0	[1] 1.3	40.3	4.9	4.5
Pittsburg	1900	1,938	193,162,900	69,977	36,684,563	15,293,017	116,833,174	203,261,251
	1890	1,420	108,368,838	52,993	29,889,486	7,561,199	69,892,195	126,859,657
Per cent of increase		36.5	78.3	32.1	22.7	102.3	67.2	60.2
Reading	1900	843	27,975,628	19,165	7,544,950	5,085,456	19,089,332	36,992,511
	1890	435	14,083,374	12,211	4,780,470	1,042,366	12,009,332	20,855,165
Per cent of increase		93.8	98.6	56.9	57.8	387.9	59.0	76.9
Scranton	1900	710	19,954,525	12,669	5,191,522	1,857,881	18,411,022	27,646,418
	1890	177	16,237,271	8,825	3,928,834	874,621	16,922,753	24,341,745
Per cent of increase		301.1	22.9	43.6	32.1	112.4	8.8	13.6
Wilkesbarre	1900	438	10,501,537	5,977	2,286,676	1,142,358	5,167,777	10,758,348
	1890	270	5,598,139	4,141	1,808,226	578,610	4,026,579	7,746,371
Per cent of increase		62.2	87.6	44.3	26.5	97.4	28.3	38.9
Williamsport	1900	396	9,863,811	5,595	2,065,930	517,059	6,420,337	11,199,600
	1890	302	12,335,423	5,653	2,271,531	626,646	5,919,284	11,107,037
Per cent of increase		31.1	[1] 20.0	[1] 1.0	[1] 9.1	[1] 17.5	8.5	0.8
York	1900	464	9,640,784	7,785	2,679,175	798,453	6,078,070	11,901,706
	1890	350	3,842,453	3,669	1,320,418	358,635	3,170,840	5,968,223
Per cent of increase		32.6	150.9	112.2	102.9	122.6	91.7	100.4
Total for 16 cities	1900	24,861	911,622,057	452,407	208,316,875	93,662,386	619,447,172	1,118,075,536
	1890	24,127	633,778,093	383,588	185,864,885	57,134,091	497,538,650	902,751,563
Per cent of increase		3.0	43.8	17.9	12.1	63.9	21.5	23.9
Per cent of 16 cities to total for state	1900	47.6	58.8	61.6	62.7	69.7	59.4	60.9
	1890	61.3	63.9	67.2	70.6	76.3	64.3	67.8

[1] Decrease.

It appears from Table 4 that there has been a considerable increase during the past decade in the combined manufactures of these 16 cities. The number of establishments increased from 24,127 to 24,861, or 3 per cent; the average number of wage-earners from 383,588 to 452,407, or 17.9 per cent; and the value of products from $902,751,563 to $1,118,075,536, or 23.9 per cent. The percentage of increase in each of these particulars was smaller in these 16 cities than in the state as a whole. The city of McKeesport shows the most rapid growth, the value of products having increased from $17,432,721 to $37,074,136, or 112.7 per cent. In Philadelphia, the leading manufacturing city, the number of establishments decreased from 18,166 to 15,887, or 12.5 per cent. The average number of wage-earners increased, however, from 234,647 to 246,445, or 5 per cent; and the value of products from $577,234,446 to $603,466,526, or 4.5 per cent. The number of establishments, number of wage-earners, and value of products in this city constituted 30.4, 33.6, and 32.9 per cent, respectively, of the totals for the state.

In Philadelphia the leading manufacturing industries were foundry and machine shop products; sugar and molasses, refining; carpets and rugs, other than rag; petroleum, refining; and clothing, men's, factory product.

In Pittsburg, the city second in rank, the leading manufacturing industries were iron and steel; foundry and machine shop products; electrical apparatus and supplies; ironwork, architectural and ornamental; and iron and steel, pipe, wrought.

In Allegheny, the city third in rank, the leading manufacturing industries were cars, steam railroad, not including operations of railroad companies; iron and steel; foundry and machine shop products; pickles, preserves, and sauces; and slaughtering and meat packing, wholesale.

In McKeesport, the city fourth in rank, the leading manufacturing industries were iron and steel; tin and terne plate; iron and steel, pipe, wrought; bottling; and lumber, planing mill products, including sash, doors, and blinds.

In Reading, the city fifth in rank, the leading industries were iron and steel; cars and general shop construction and repairs by steam railroad companies; foundry and machine shop products; tobacco, cigars and cigarettes; and hardware.

In Scranton, the city sixth in rank, the leading manufacturing industries were iron and steel; silk and silk goods; foundry and machine shop products; liquors, malt; and cars and general shop construction and repairs by steam railroad companies.

In Johnstown, the city seventh in rank, the leading manufacturing industries were iron and steel; foundry and machine shop products; pottery, terra cotta, and fire-clay products; liquors, malt; and tin and terne plate.

In Erie, the city eighth in rank in Table 4, but tenth in rank in the state, the leading manufacturing industries were foundry and machine shop products; paper and wood pulp; lumber, planing mill products, including sash, doors, and blinds; flouring and grist mill products; and liquors, malt.

In Allentown, the city ninth in rank in Table 4, but eleventh in rank in the state, the leading manufacturing industries were iron and steel; silk and silk goods; foundry and machine shop products; boots and shoes, factory product; and slaughtering and meat packing, wholesale.

In Chester, the city tenth in rank in Table 4, but twelfth in rank in the state, the leading manufacturing industries were iron and steel; cotton goods; iron and steel, pipe, wrought; shipbuilding, iron and steel; and worsted goods.

In Lancaster, the city eleventh in rank in Table 4, but thirteenth in rank in the state, the leading manufacturing industries were umbrellas and canes; tobacco, cigars and cigarettes; confectionery; cotton goods; and iron and steel.

In Harrisburg, the city twelfth in rank in Table 4, but fourteenth in rank in the state, the leading manufacturing industries were iron and steel; cars and general shop construction and repairs by steam railroad companies; foundry and machine shop products; boots and shoes, factory product; and slaughtering and meat packing, wholesale.

In Altoona, the city thirteenth in rank in Table 4, but fifteenth in rank in the state, the leading manufacturing industries were cars and general shop construction and repairs by steam railroad companies; foundry and machine shop products; lumber, planing mill products, including sash, doors, and blinds; printing and publishing, newspapers and periodicals.

In York, the city fourteenth in rank in Table 4, but seventeenth in rank in the state, the leading manufacturing industries were foundry and machine shop products; tobacco, cigars and cigarettes; paper hangings; iron and steel, nails and spikes, cut and wrought, including wire nails; and carriages and wagons.

In Williamsport, the city fifteenth in rank in Table 4, but eighteenth in rank in the state, the leading manufacturing industries were lumber and timber products; boots and shoes, rubber; silk and silk goods; clothing, men's, factory product; and leather, tanned, curried, and finished.

In Wilkesbarre, the city sixteenth in rank in Table 4, but twentieth in rank in the state, the leading manufacturing industries were silk and silk goods; cotton goods; foundry and machine shop products; liquors, malt; and wirework, including wire rope and cable.

Table 5 presents the totals for the manufacturing industries of the 133 cities and boroughs withdrawn from the enumerators, places them in comparison with the totals for the entire state and the state exclusive of these cities and boroughs, and shows their rank in population and in value of products.

TABLE 5.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	Wage-earners. Average number.	Wage-earners. Total wages.	Miscellaneous expenses.	Cost of materials used.	Products. Value.	Products. Rank.	Products. Per cent of total.	Population. Total.	Population. Rank.	Population. Per cent of total.
Total for state	52,185	$1,551,548,712	58,886	733,834	$332,072,670	$134,344,269	$1,042,431,599	$1,834,790,860	-------	100.0	[1]6,302,034	-------	100.0
Total for urban manufactures	38,449	1,170,694,661	37,969	583,923	265,871,261	113,427,652	803,732,711	1,437,923,545	-------	78.4	3,202,439	-------	50.8
Allegheny	893	50,122,503	1,040	20,804	10,352,502	5,120,269	29,478,781	54,136,967	8	3.0	129,896	8	2.1
Allentown	491	11,996,971	617	8,447	3,150,970	1,310,643	9,846,047	16,947,722	11	0.9	35,416	12	0.6
Altoona	230	8,108,819	267	8,090	4,619,828	350,501	8,376,488	14,250,656	15	0.8	38,973	10	0.6
Ashland	54	307,871	65	168	85,640	9,779	132,909	274,765	125	(2)	6,488	65	0.1
Athens	51	843,719	54	589	220,250	54,356	618,956	1,012,183	88	0.1	3,749	102	0.1
Bangor	73	804,517	81	944	348,687	110,955	552,647	1,280,350	81	0.1	4,106	94	0.1
Beaver Falls	119	6,367,196	110	2,231	1,022,075	303,189	3,780,051	6,245,501	29	0.3	10,054	42	0.2
Bellefonte	62	874,076	71	506	219,770	46,731	652,436	1,175,668	82	0.1	4,216	91	0.1
Berwick	33	2,416,463	28	1,335	730,505	111,067	2,808,813	4,372,953	41	0.2	3,916	97	0.1
Bethlehem	106	1,871,072	117	1,265	326,954	240,028	995,368	1,882,219	65	0.1	7,293	58	0.1
Birdsboro	26	1,095,356	30	361	335,450	58,240	1,821,574	2,026,928	58	0.1	2,264	126	(2)
Bloomsburg	65	2,093,473	69	1,029	328,385	106,093	978,508	1,732,559	67	0.1	6,170	68	0.1
Braddock	121	2,724,303	132	1,437	893,037	875,170	3,111,916	5,643,152	33	0.3	15,654	24	0.2
Bradford	149	2,674,380	183	1,965	1,031,949	224,962	2,011,858	4,101,339	45	0.2	15,029	25	0.2
Bridgeport	28	1,954,100	24	833	265,209	66,292	1,358,235	1,821,585	66	0.1	3,097	112	(2)
Bristol	72	3,616,181	72	2,027	751,033	332,920	2,577,508	4,008,248	46	0.2	7,104	61	0.1
Butler	129	1,696,396	159	1,003	505,468	144,796	749,216	1,877,419	63	0.1	10,853	40	0.2
Carbondale	92	1,618,034	103	1,138	387,528	100,701	572,101	1,384,662	75	0.1	13,536	29	0.2
Carlisle	109	1,125,635	129	1,385	415,986	83,436	1,249,456	2,131,239	57	0.1	9,626	44	0.2
Carnegie	53	465,830	55	381	231,519	67,192	434,660	909,890	93	0.1	7,330	56	0.1
Catasauqua	68	3,136,953	63	1,543	592,026	190,598	1,660,319	3,197,297	47	0.2	3,963	96	0.1
Chambersburg	107	853,037	124	793	283,676	62,527	633,952	1,127,423	85	0.1	8,864	50	0.1
Charleroi	62	2,395,002	65	1,270	671,371	278,069	700,669	1,871,505	64	0.1	5,930	70	0.1
Chester	315	18,977,710	327	7,682	3,462,196	1,222,400	9,261,886	16,421,725	12	0.9	33,988	14	0.5
Coatesville	70	4,772,487	73	1,854	840,822	219,305	3,752,864	6,356,079	28	0.4	5,721	74	0.1
Columbia	142	2,403,571	141	2,729	968,288	160,051	2,837,765	4,729,477	38	0.3	12,316	36	0.2
Connellsville	121	1,283,667	149	916	495,761	50,344	1,449,338	2,380,137	52	0.1	7,160	60	0.1
Conshohocken	55	3,957,818	51	1,951	896,797	219,482	2,303,063	4,454,230	40	0.2	5,762	73	0.1
Coraopolis	20	471,294	19	397	171,916	35,336	305,093	731,840	100	(2)	2,555	121	(2)
Corry	109	830,727	112	585	255,129	65,053	498,058	1,061,464	87	0.1	5,369	79	0.1
Danville	92	2,836,268	107	2,414	855,306	227,030	2,759,707	4,317,776	42	0.2	8,042	53	0.1
Darby	45	1,363,579	54	744	270,921	78,366	570,333	1,152,278	84	0.1	3,429	108	0.1
Dubois	56	1,513,316	74	893	355,925	89,756	1,229,312	1,926,391	61	0.1	9,375	46	0.1
Dunmore	53	1,336,477	51	893	354,922	180,467	662,486	1,472,675	71	0.1	12,583	33	0.2
Duquesne	19	14,358,059	24	1,497	1,075,152	435,881	14,611,842	20,365,667	9	1.1	9,036	48	0.1
East Mauch Chunk	21	301,135	19	383	76,257	66,965	478,844	685,394	102	(2)	3,458	105	0.1
Easton	285	4,829,879	323	3,912	1,516,525	485,029	8,794,496	6,746,078	26	0.4	25,238	18	0.4
Ephrata	66	370,198	74	501	130,323	65,227	308,958	634,359	107	(2)	2,451	123	(2)
Erie	644	20,418,016	718	9,389	4,574,625	1,197,411	9,107,305	19,053,202	10	1.0	52,733	6	0.8
Etna	37	3,791,581	37	1,709	865,992	64,848	2,515,585	5,655,269	32	0.3	5,384	78	0.1
Franklin	120	4,523,916	156	758	354,318	1,506,361	1,826,916	6,046,218	31	0.3	7,317	57	0.1
Greencastle	26	48,526	29	61	19,476	3,989	49,673	94,622	130	(2)	1,403	132	(2)
Greenville	79	1,998,509	90	999	544,612	65,003	1,116,066	1,900,471	62	0.1	4,814	85	0.1
Hamburg	62	416,757	77	369	113,515	20,950	388,291	627,209	109	(2)	2,315	124	(2)
Hanover	85	766,387	113	849	262,267	78,399	557,542	1,153,492	83	0.1	5,302	80	0.1
Harrisburg	446	8,749,516	464	7,362	2,949,544	646,950	9,402,516	16,064,597	14	0.9	50,167	8	0.8
Hawley	28	716,842	34	448	140,953	21,825	587,627	809,724	96	(2)	1,925	128	(2)
Hazelton	141	1,488,290	156	1,049	341,769	166,935	520,222	1,478,503	70	0.1	14,230	26	0.2
Hollidaysburg	38	167,649	41	197	77,736	8,931	190,979	332,022	122	(2)	2,998	114	(2)
Homestead	52	2,591,815	63	1,030	439,247	59,787	725,729	1,444,245	72	0.1	12,654	35	0.2
Honesdale	71	1,357,399	81	680	238,684	90,242	714,659	1,235,425	80	0.1	2,864	117	(2)
Huntingdon	68	1,062,520	75	550	208,583	82,972	547,414	971,674	90	0.1	6,053	59	0.1
Johnstown	248	16,940,450	316	6,116	3,213,189	1,922,080	14,445,126	22,559,890	7	1.2	35,936	11	0.6
Lancaster	738	10,803,464	855	9,349	3,323,748	1,193,997	8,342,709	16,370,281	13	0.9	41,459	9	0.7
Lansford	24	208,116	22	283	119,815	3,728	200,274	348,517	121	(2)	4,888	83	0.1
Lebanon	219	7,756,390	247	5,613	2,245,809	350,716	6,512,892	10,167,455	21	0.6	17,628	22	0.3
Lehighton	42	648,281	44	380	99,715	38,955	414,945	691,705	101	(2)	4,629	89	0.1
Lewisburg	36	389,487	40	260	82,927	11,286	310,212	460,221	114	(2)	3,457	106	0.1
Lewistown	64	1,011,949	69	563	228,705	41,760	562,710	934,234	89	0.1	4,451	90	0.1
McKeesport	180	17,876,016	199	7,605	4,370,381	423,226	22,309,161	37,074,136	4	2.0	34,227	13	0.5
McKees Rocks	34	14,990,471	32	2,055	1,206,476	539,720	2,517,940	4,288,985	48	0.2	6,352	66	0.1
Mahanoy City	99	607,059	112	474	181,582	119,879	230,275	648,645	104	(2)	13,504	30	0.2
Manheim	58	157,490	59	334	76,903	36,158	273,015	450,698	117	(2)	2,019	127	(2)
Marietta	37	849,538	33	674	210,151	33,986	651,529	1,125,701	86	0.1	2,469	122	(2)
Mauch Chunk	34	366,370	35	323	143,714	22,802	251,282	506,252	112	(2)	4,029	95	0.1
Meadville	135	1,415,783	151	1,445	648,020	77,057	1,099,379	2,159,110	56	0.1	10,291	41	0.2
Mechanicsburg	58	482,155	60	444	173,840	22,811	313,820	636,083	106	(2)	3,841	98	0.1
Media	40	235,997	44	170	75,309	27,418	87,575	279,436	123	(2)	3,075	113	(2)
Middletown	50	2,323,876	49	1,572	556,818	52,608	3,269,223	5,198,286	35	0.3	5,608	75	0.1
Millvale	37	319,149	38	119	70,609	80,649	174,499	466,389	115	(2)	6,736	64	0.1
Milton	60	1,950,893	69	1,421	534,674	86,020	1,885,416	2,912,209	50	0.2	6,175	67	0.1
Minersville	36	75,177	38	84	25,290	11,821	87,705	167,798	126	(2)	4,815	84	0.1
Monongahela	58	805,861	65	438	288,310	56,285	337,720	841,155	95	0.1	5,173	82	0.1
Nanticoke	73	328,414	83	207	73,161	47,646	194,244	399,678	118	(2)	12,116	37	0.2
New Brighton	68	2,903,449	77	1,482	590,589	108,677	1,003,463	2,195,552	55	0.1	6,820	63	0.1
Newcastle	216	13,308,220	252	4,992	3,226,669	491,336	13,646,648	21,046,842	8	1.1	28,339	17	0.4
New Haven	22	40,401	25	46	20,941	2,203	44,473	90,002	131	(2)	1,532	130	(2)
New Holland	23	76,843	27	81	23,894	36,196	78,425	165,687	128	(2)	902	133	(2)
Norristown	210	4,069,449	227	3,429	1,148,942	418,854	2,467,861	4,821,745	37	0.3	22,265	19	0.4
Northumberland	16	238,768	18	267	74,940	6,766	224,827	360,928	120	(2)	2,748	119	(2)

[1] Includes 81 Indians and other persons on Indian reservations, which classes were not included at previous censuses.
[2] Less than one-tenth of 1 per cent.

TABLE 5.—URBAN MANUFACTURES—Continued.

	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	PRODUCTS. Value.	PRODUCTS. Rank.	PRODUCTS. Per cent of total.	POPULATION. Total.	POPULATION. Rank.	POPULATION. Per cent of total.
Oil City	158	$4,578,237	189	1,992	$1,038,173	$161,228	$4,742,848	$6,710,886	27	0.4	13,264	81	0.2
Orwigsburg	27	268,522	34	453	133,189	15,625	406,423	648,223	105	(1)	1,518	131	(1)
Pen Argyl	31	392,615	58	336	177,873	46,457	219,184	537,322	111	(1)	2,784	118	(1)
Philadelphia	15,887	476,529,407	18,062	246,445	111,847,076	55,575,085	326,877,441	608,466,526	1	32.9	1,293,697	1	20.5
Phoenixville	92	6,482,025	94	2,556	1,099,719	232,963	3,202,965	4,992,772	36	0.3	9,196	47	0.1
Pittsburg	1,938	193,162,900	2,253	69,977	36,684,568	15,293,017	116,833,174	203,261,251	2	11.1	321,616	2	5.1
Pittston	95	1,038,797	100	505	222,340	98,686	722,800	1,261,500	79	0.1	12,556	34	0.2
Plymouth	101	579,553	98	923	213,497	95,935	362,488	803,728	97	(1)	13,649	28	0.2
Pottstown	144	4,922,856	164	3,059	1,251,229	386,985	5,263,759	8,111,486	25	0.4	13,696	27	0.2
Pottsville	206	3,383,237	232	1,967	671,179	383,317	3,626,129	5,354,633	34	0.3	15,710	23	0.2
Rankin	12	4,962,354	8	1,622	983,867	716,589	5,437,357	8,607,680	24	0.5	3,775	100	0.1
Reading	843	27,975,628	989	19,165	7,544,950	5,085,456	19,089,332	36,902,511	5	2.0	78,961	5	1.3
Rochester	47	2,228,337	59	1,433	589,516	104,262	479,450	1,410,567	78	0.1	4,688	86	0.1
St. Clair	31	94,863	42	213	47,506	2,225	57,678	146,277	129	(1)	4,638	88	0.1
Sayre	46	1,341,905	52	1,261	591,238	40,754	1,170,326	1,945,797	60	0.1	5,243	81	0.1
Schuylkill Haven	53	545,701	59	702	259,499	15,605	1,105,426	1,497,484	69	0.1	3,654	103	0.1
Scranton	710	19,954,525	771	12,669	5,191,522	1,857,881	18,411,022	27,646,418	6	1.5	102,026	4	1.6
Shamokin	143	971,130	154	1,068	313,057	130,080	905,421	1,656,606	68	0.1	18,202	21	0.3
Sharon	96	6,140,725	112	3,145	1,601,748	479,574	6,751,895	9,865,039	22	0.5	8,916	49	0.1
Sharpsburg	103	1,053,416	117	1,213	669,946	81,674	1,854,014	2,950,668	49	0.2	6,842	62	0.1
Sharpsville	21	3,657,100	22	912	581,309	229,576	4,220,305	6,238,801	30	0.3	2,970	116	(1)
Shenandoah	78	374,057	88	210	88,555	96,929	180,224	479,336	113	(1)	20,321	20	0.3
Shippensburg	54	263,081	70	284	71,437	17,233	186,893	391,727	119	(1)	3,228	111	0.1
Slatington	54	756,751	61	926	362,384	49,291	321,121	947,737	92	0.1	3,773	101	0.1
South Bethlehem	127	8,713,185	126	5,544	2,390,100	931,898	5,301,034	10,964,911	19	0.6	13,241	32	0.2
South Williamsport	15	586,673	14	386	146,218	41,671	342,755	629,446	108	(1)	3,328	109	0.1
Spring City	47	509,362	46	482	198,685	19,573	280,290	655,974	103	(1)	2,566	120	(1)
Steelton	55	6,315,833	51	4,871	2,127,334	941,119	10,006,789	14,204,954	16	0.8	12,086	38	0.2
Stroudsburg	55	461,770	63	544	232,046	25,142	589,797	959,845	91	0.1	3,450	107	0.1
Summit Hill	14	31,078	16	29	11,105	745	27,342	51,323	132	(1)	2,986	115	(1)
Sunbury	76	2,101,602	76	1,140	441,531	177,578	1,360,184	2,254,609	54	0.1	9,810	43	0.2
Susquehanna	82	810,076	81	1,187	613,508	18,938	685,438	1,416,927	74	0.1	3,813	99	0.1
Tamaqua	64	917,124	65	564	229,728	87,826	388,937	847,964	94	0.1	7,267	59	0.1
Tarentum	55	2,192,747	58	1,420	628,233	254,885	755,942	1,980,947	59	0.1	5,472	76	0.1
Taylor	12	170,549	12	197	30,375	29,742	95,113	166,438	127	(1)	4,215	92	0.1
Titusville	113	2,550,452	127	1,204	522,749	216,767	1,657,275	2,995,292	48	0.2	8,244	51	0.1
Towanda	89	673,021	111	559	185,477	35,655	358,155	732,433	99	(1)	4,663	87	0.1
Turtle Creek	14	14,800	15	15	9,710	1,434	21,825	45,078	183	(1)	3,262	110	0.1
Tyrone	69	1,098,861	80	560	243,711	62,286	679,868	1,305,899	78	0.1	5,847	71	0.1
Uniontown	180	872,549	157	743	323,863	90,467	632,298	1,348,936	77	0.1	7,344	55	0.1
Warren	119	2,869,020	138	1,270	585,590	350,190	2,357,681	4,152,859	44	0.2	8,043	52	0.1
Washington	150	2,897,671	174	2,206	1,052,616	461,068	2,303,113	4,667,330	39	0.3	7,670	54	0.1
Watsontown	21	257,571	20	280	91,651	11,747	298,200	459,670	116	(1)	1,398	129	(1)
Waynesboro	61	3,984,774	61	1,103	507,628	265,093	1,072,213	2,731,059	51	0.2	5,396	77	0.1
West Bethlehem	17	143,990	22	69	29,214	19,928	174,573	276,939	124	(1)	3,465	104	0.1
West Chester	112	1,244,188	127	740	351,087	164,169	459,559	1,378,362	76	0.1	9,524	45	0.2
West Pittston	35	567,287	36	299	123,238	127,444	242,780	621,996	110	(1)	5,846	72	0.1
Wilkesbarre	438	10,501,537	520	5,977	2,286,676	1,142,358	5,167,777	10,758,348	20	0.6	51,721	7	0.8
Wilkinsburg	131	1,049,083	159	665	464,107	644,594	897,931	2,295,846	53	0.1	11,886	39	0.2
Williamsport	396	9,863,811	499	5,595	2,065,930	517,059	6,420,337	11,199,600	18	0.6	28,757	16	0.5
Wilmerding	10	19,546,553	9	2,015	1,353,869	636,488	2,592,726	9,171,384	23	0.5	4,179	93	0.1
Wrightsville	34	462,672	38	427	133,735	31,909	470,759	781,452	98	(1)	2,266	125	(1)
York	464	9,640,784	564	7,785	2,679,175	798,453	6,078,070	11,961,706	17	0.7	33,708	15	0.5
Total for state exclusive of urban manufactures	18,736	380,854,051	20,867	149,911	66,201,409	20,916,617	238,701,888	396,867,315	-------	21.6	3,099,595	-------	49.2
Per cent of urban manufactures to total for state	64.1	75.4	64.5	79.6	80.1	84.4	77.1	78.4	-------	-------	50.8	-------	-------

[1] Less than one-tenth of 1 per cent.

Of the 52,185 establishments in the state, 33,449, or 64.1 per cent, were located in these 133 cities and boroughs. They furnished employment to 583,923 wage-earners, or 79.6 per cent of the total number; and the value of their products, $1,437,923,545, formed 78.4 per cent of the total for the state.

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the cities and boroughs of Allegheny, Allentown, Altoona, Chester, Easton, Erie, Harrisburg, Johnstown, Lancaster, McKeesport, Newcastle, Norristown, Philadelphia, Pittsburg, Reading, Scranton, Shenandoah, Wilkesbarre, Williamsport, and York by specified industries.

Table 9 shows the totals for all industries in the cities and boroughs withdrawn from the enumerators, exclusive of those shown in Table 8.

TABLE 6.—MANUFACTURES

	COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	The State	52,185	$1,551,548,712	$148,768,571	$227,035,804	$392,150,856	$783,593,481	58,836	47,439	$48,605,173	733,834	$332,072,670
2	Adams	350	1,385,415	125,051	229,143	274,807	755,814	389	45	30,262	1,386	371,140
3	Allegheny	4,145	401,558,644	35,949,245	48,313,156	94,117,699	223,178,544	4,740	9,547	9,981,648	128,382	69,345,233
4	Armstrong	266	8,442,201	706,993	2,338,763	3,263,128	2,133,377	299	148	189,361	3,814	1,652,769
5	Beaver	359	15,262,391	1,009,302	2,985,303	4,659,903	6,607,883	385	416	489,223	7,095	3,143,341
6	Bedford	286	3,469,344	678,755	678,362	469,458	1,642,769	332	49	45,000	1,114	438,339
7	Berks	1,699	37,279,817	2,968,360	6,979,987	9,177,828	18,153,642	1,930	1,301	1,131,101	25,379	9,676,954
8	Blair	486	11,916,060	725,487	2,354,182	4,295,118	4,541,273	567	503	398,547	10,676	5,718,785
9	Bradford	538	5,979,273	1,049,949	1,267,603	1,178,342	2,483,379	653	173	129,360	3,272	1,314,753
10	Bucks	735	8,504,278	368,260	1,359,953	2,504,423	4,271,637	790	217	185,590	5,600	1,952,187
11	Butler	344	2,627,912	250,313	452,851	905,247	1,019,501	414	56	50,922	1,346	657,858
12	Cambria	472	20,244,523	1,582,647	3,759,657	7,855,023	7,047,196	572	470	523,810	7,511	3,791,541
13	Cameron	48	3,307,343	1,043,330	288,484	300,745	1,674,284	49	52	44,827	507	253,299
14	Carbon	237	4,179,459	298,110	1,400,967	1,111,103	1,369,279	231	149	125,456	3,287	1,090,329
15	Center	292	2,978,336	554,818	750,783	686,597	986,188	336	90	74,481	1,514	589,497
16	Chester	924	18,014,467	1,263,295	3,274,707	4,915,435	8,561,030	978	563	464,100	8,034	3,485,780
17	Clarion	202	1,177,286	274,375	145,604	289,419	467,888	243	38	24,424	593	206,555
18	Clearfield	318	12,502,450	3,625,454	1,235,542	1,544,822	6,096,632	368	168	156,939	3,946	1,626,745
19	Clinton	218	5,823,634	731,380	990,195	1,308,917	2,793,192	262	157	133,467	2,564	1,093,996
20	Columbia	304	5,721,489	382,583	1,185,117	1,503,527	2,650,262	338	144	140,729	3,028	1,277,387
21	Crawford	600	5,618,988	360,752	940,130	1,796,008	2,522,098	705	208	191,451	3,373	1,446,226
22	Cumberland	421	5,193,136	882,639	680,123	990,320	2,640,054	470	200	181,180	3,138	971,920
23	Dauphin	869	19,080,076	1,370,372	2,988,071	4,237,283	10,484,350	931	871	823,443	15,430	6,198,786
24	Delaware	602	30,315,934	2,083,260	5,011,424	9,586,434	13,634,816	639	520	747,671	13,923	5,833,786
25	Elk	188	15,947,430	3,204,836	2,111,749	2,793,939	7,836,906	194	208	214,870	3,302	1,454,740
26	Erie	1,068	23,330,186	1,671,221	4,051,380	6,268,945	11,338,640	1,216	786	785,531	11,263	5,339,638
27	Fayette	559	16,300,498	399,632	2,226,379	6,818,216	6,356,271	648	473	405,420	7,663	3,948,274
28	Forest	83	3,527,417	1,065,295	184,242	620,941	1,656,939	122	45	38,473	756	349,045
29	Franklin	419	6,224,095	238,857	715,352	954,266	4,315,620	460	193	184,328	2,778	1,140,705
30	Fulton	34	229,861	42,827	51,460	78,090	57,484	109	4	1,145	59	22,027
31	Greene	118	360,301	41,395	78,524	111,184	129,198	160	3	1,140	147	52,717
32	Huntingdon	259	2,481,604	340,132	439,097	672,860	1,029,515	279	78	47,404	1,375	451,395
33	Indiana	278	3,143,971	846,351	315,203	797,310	1,185,107	350	59	45,871	1,499	650,147
34	Jefferson	310	8,213,413	1,811,351	1,243,572	1,446,032	3,712,458	369	83	86,800	2,489	1,102,346
35	Juniata	121	429,776	47,038	104,885	140,794	137,059	149	11	7,464	214	77,850
36	Lackawanna	1,010	24,538,039	2,645,732	4,642,993	6,266,540	10,982,774	1,070	839	973,328	15,582	6,243,533
37	Lancaster	2,213	20,053,299	1,507,967	3,875,152	5,227,804	9,442,376	2,419	743	602,823	17,786	6,015,903
38	Lawrence	339	16,536,065	889,537	2,624,702	7,718,845	4,302,981	383	295	330,001	6,185	3,349,976
39	Lebanon	492	9,764,771	770,351	2,300,391	2,942,359	3,751,670	562	305	302,237	7,691	2,979,635
40	Lehigh	1,043	26,254,303	2,828,543	7,445,807	6,200,897	10,279,056	1,252	687	640,088	16,463	6,223,386
41	Luzerne	1,290	19,351,784	1,479,177	3,405,914	7,028,968	7,437,725	1,382	721	724,960	12,674	4,753,888
42	Lycoming	762	19,780,341	3,102,036	2,097,112	3,552,898	11,028,295	849	584	507,265	8,923	3,401,701
43	McKean	416	11,235,795	1,466,622	1,596,953	2,674,296	5,497,924	474	299	316,794	5,163	2,388,152
44	Mercer	382	12,969,239	749,041	2,771,468	3,848,909	5,599,821	449	232	250,308	5,696	3,023,554
45	Mifflin	190	4,032,288	198,903	632,679	1,233,873	1,966,833	216	82	92,087	1,995	814,428
46	Monroe	195	2,360,281	412,414	475,305	545,099	927,463	221	53	48,417	1,162	417,913
47	Montgomery	1,199	30,774,139	2,289,362	4,903,712	7,833,437	15,747,628	1,285	1,076	1,135,724	17,619	7,754,881
48	Montour	137	2,928,748	123,629	321,656	1,144,106	1,339,357	157	74	75,998	2,449	870,516
49	Northampton	1,016	33,557,215	3,306,689	4,848,971	9,759,826	15,641,729	1,120	837	836,671	17,461	7,012,067
50	Northumberland	476	6,720,821	506,003	1,115,997	1,810,131	3,288,690	516	270	211,353	4,719	1,645,938
51	Perry	167	2,311,743	350,539	400,431	453,942	1,106,881	185	38	34,044	786	299,983
52	Philadelphia	15,887	476,529,407	43,726,855	64,859,709	113,918,281	254,024,562	18,062	19,113	20,154,836	246,445	111,847,076
53	Pike	49	314,997	74,060	52,970	66,020	121,947	64	3	3,150	134	47,838
54	Potter	240	10,631,130	3,780,061	691,415	1,284,080	4,875,574	245	122	127,656	3,005	1,197,895
55	Schuylkill	944	9,329,209	803,923	2,408,534	3,031,838	3,084,914	1,048	345	235,339	6,301	2,219,318
56	Snyder	108	373,361	34,433	67,972	114,273	156,683	124	3	1,100	232	62,815
57	Somerset	311	2,642,194	922,123	309,044	654,604	756,423	367	67	49,800	1,519	588,051
58	Sullivan	90	3,185,327	920,086	485,909	460,896	1,318,436	92	27	31,324	660	242,338
59	Susquehanna	395	2,198,411	242,480	483,248	923,069	549,614	404	71	42,435	2,200	1,050,923
60	Tioga	379	6,791,517	1,605,144	1,187,425	847,725	3,151,223	418	84	88,939	1,663	678,328
61	Union	152	1,081,338	159,247	136,455	322,172	463,464	177	23	14,054	512	172,691
62	Venango	408	14,290,046	601,503	1,246,264	3,342,660	9,099,619	494	346	519,417	3,424	1,752,044
63	Warren	351	7,909,203	582,449	873,447	1,697,769	4,755,538	421	149	142,417	2,710	1,132,676
64	Washington	552	8,298,768	597,401	1,767,587	2,548,042	3,385,738	632	306	312,836	4,915	2,563,423
65	Wayne	282	3,778,358	375,946	557,677	870,398	1,974,337	306	120	92,679	2,047	749,041
66	Westmoreland	624	31,587,664	1,857,142	4,149,606	11,352,275	14,228,641	662	811	993,557	14,535	8,050,020
67	Wyoming	178	2,046,437	336,105	245,895	381,812	1,182,625	198	31	25,486	593	233,167
68	York	1,706	17,621,371	1,528,363	2,921,454	4,468,849	8,702,705	1,905	655	602,607	14,128	4,563,987

TABLE 7.—MANUFACTURES BY

1	All industries	52,185	$1,551,548,712	$148,768,571	$227,035,804	$392,150,856	$783,593,481	58,836	47,439	$48,605,173	733,834	$332,072,670
2	Agricultural implements	50	4,102,327	184,407	554,284	440,382	2,923,254	64	197	183,549	1,564	688,044
3	Ammunition	4	100,608	2,300	8,450	3,875	85,983	4	5	3,460	245	45,411
4	Artificial feathers and flowers	25	545,056	42,700	33,500	49,680	419,176	35	42	52,948	873	208,869
5	Artificial limbs	12	33,545	700	550	13,640	18,655	13	12	5,512	41	19,363
6	Artists' materials	4	50,625	4,500	12,000	8,195	25,930	5	8	4,832	28	9,764

BY COUNTIES: 1900.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
574,606	$293,697,372	126,093	$33,067,828	33,185	$5,307,470	$134,344,269	$10,814,621	$4,444,216	$86,207,684	$32,877,748	$1,042,434,599	$995,673,525	$46,761,074	$1,834,790,860	1
378	268,572	454	97,402	54	5,166	282,853	12,715	3,007	211,088	6,043	1,171,897	1,145,063	26,834	2,177,105	2
116,416	66,558,755	8,844	2,173,237	3,122	613,241	28,657,932	1,275,778	1,180,283	20,939,192	5,262,679	255,073,508	240,077,637	14,995,871	493,837,410	3
3,383	1,588,034	339	47,886	92	16,849	523,100	33,225	34,133	445,592	10,150	3,862,084	3,398,210	463,874	7,169,257	4
5,622	2,803,474	812	246,356	661	93,511	736,516	23,391	26,731	662,727	23,667	6,672,762	6,268,751	404,011	13,459,818	5
1,069	431,075	19	4,366	26	2,898	168,584	9,521	12,966	145,210	887	2,258,815	2,064,993	193,822	3,331,056	6
13,611	3,172,571	5,229	1,304,720	1,509	199,654	5,724,218	227,803	116,457	2,069,751	3,310,207	27,064,902	25,502,407	1,562,495	49,977,253	7
9,804	5,545,303	616	185,310	256	38,172	501,385	55,467	22,850	360,330	62,738	11,525,174	11,110,029	415,145	19,606,238	8
2,915	1,248,289	291	56,259	66	10,205	212,465	36,620	18,171	149,631	8,043	4,211,326	4,155,478	55,848	6,704,935	9
3,489	1,438,176	1,645	440,282	466	73,729	883,242	52,294	20,855	764,361	45,732	6,242,830	6,063,792	179,038	10,653,339	10
1,215	628,855	88	20,187	48	8,311	184,059	13,690	19,955	105,028	45,386	1,475,193	1,392,093	83,100	3,130,125	11
7,280	3,738,289	115	29,899	116	23,353	2,042,531	267,269	71,825	1,620,993	82,444	16,049,417	14,635,435	1,413,982	25,506,094	12
489	249,926	15	3,723	3	250	190,017	16,430	11,453	149,858	12,276	1,584,166	1,469,973	114,193	2,175,069	13
2,372	986,521	587	75,637	328	28,171	234,375	19,369	14,585	144,897	55,524	3,430,083	3,245,688	184,395	5,461,339	14
1,423	570,719	62	14,111	29	4,607	116,163	16,436	10,301	87,156	2,270	1,980,133	1,645,070	335,063	3,424,681	15
6,767	3,205,247	940	223,890	327	56,643	944,104	63,186	36,941	702,407	141,570	12,542,675	11,859,655	683,020	21,103,894	16
469	185,592	97	16,402	27	4,561	52,236	3,565	6,911	41,704	56	771,865	753,258	18,607	1,403,737	17
3,801	1,597,611	55	12,591	90	16,543	361,883	17,146	48,596	294,437	1,704	5,449,488	5,341,902	107,586	8,848,483	18
2,215	1,033,159	321	57,110	28	3,727	280,535	15,838	18,855	207,828	38,014	2,888,509	2,796,075	92,434	5,279,405	19
2,425	1,164,551	459	92,308	134	20,528	269,114	15,009	11,036	188,843	54,226	4,762,212	4,638,115	124,097	7,605,729	20
2,923	1,339,296	428	105,068	17	1,862	484,332	34,679	16,175	373,191	60,287	4,387,340	4,269,713	117,627	7,724,001	21
2,060	774,097	977	188,365	101	9,458	223,747	29,380	9,221	169,833	15,313	2,860,843	2,803,249	57,594	4,980,616	22
12,721	5,694,145	2,359	462,362	350	42,279	2,013,921	198,312	57,868	1,625,360	132,381	25,141,437	23,325,171	1,816,266	39,417,393	23
9,944	4,748,326	3,083	923,514	896	161,946	1,806,179	122,518	67,372	1,286,243	330,046	16,483,059	15,770,714	712,345	28,444,940	24
3,111	1,408,594	149	39,848	42	6,298	700,629	9,616	58,931	605,459	26,623	6,431,211	6,272,652	158,559	10,375,315	25
10,184	5,072,333	861	216,694	268	50,611	1,345,778	119,965	77,288	1,018,987	129,538	11,395,878	11,032,053	363,825	23,156,994	26
7,395	3,889,543	177	40,296	91	18,435	1,169,594	45,815	128,415	967,231	28,133	10,434,506	10,076,360	358,146	19,544,100	27
751	347,885	3	760	2	400	79,098	1,749	22,641	48,658	6,050	1,934,287	1,925,867	8,420	2,962,051	28
2,408	1,073,515	295	58,180	75	9,010	387,898	23,920	10,303	294,885	58,790	2,805,703	2,762,001	43,702	5,738,330	29
57	21,627	----------	----------	2	400	3,035	565	1,026	1,394	50	167,351	166,118	1,236	261,692	30
122	47,798	22	4,295	3	624	14,939	3,139	1,918	9,847	35	319,126	313,326	5,800	520,258	31
1,142	401,259	180	43,586	53	6,550	170,336	15,630	10,202	144,304	200	1,443,193	1,385,347	57,846	2,483,832	32
1,321	619,823	88	15,612	87	14,712	96,182	6,430	9,823	79,779	150	2,055,229	2,007,190	48,039	3,292,532	33
2,238	1,053,217	179	34,314	72	14,815	359,352	21,604	25,605	299,893	12,250	4,341,031	4,135,792	205,239	7,028,416	34
169	69,043	39	8,390	6	417	16,282	2,407	1,870	12,005	----------	378,667	373,835	4,832	597,578	35
10,717	5,405,462	3,482	639,660	1,883	198,411	2,265,740	186,645	111,247	1,441,952	525,896	20,873,564	19,758,004	1,115,560	32,510,627	36
11,033	4,538,694	5,319	1,266,887	1,434	210,322	2,248,109	135,217	57,071	1,774,587	276,234	17,373,686	16,802,807	570,879	31,886,944	37
5,799	3,748,612	280	75,944	106	25,420	588,401	34,471	61,220	470,991	21,719	15,524,722	14,051,830	1,472,892	24,153,160	38
6,079	2,572,194	1,307	359,986	305	47,455	576,101	94,844	21,947	449,701	9,609	9,355,079	7,721,406	1,633,673	14,586,154	39
12,242	5,361,620	3,121	710,695	1,100	151,071	2,041,644	151,269	62,828	1,297,692	529,855	17,593,067	15,833,723	1,759,344	31,250,205	40
7,987	3,934,731	3,537	689,363	1,150	129,794	1,961,538	152,631	61,564	1,399,771	347,572	10,346,885	10,175,787	171,098	21,095,711	41
5,747	2,872,278	1,781	472,263	395	57,160	935,022	81,608	46,624	753,908	52,882	11,054,680	10,900,446	154,234	18,945,237	42
4,333	2,806,387	213	58,230	117	23,535	581,629	30,969	33,877	485,479	31,304	6,109,707	5,884,384	225,323	11,906,132	43
5,508	2,984,977	145	31,637	43	6,940	886,628	20,267	33,984	742,280	90,092	13,883,440	11,707,514	2,175,926	21,001,413	44
1,850	786,673	100	22,381	45	5,374	148,229	8,510	6,232	120,122	13,365	2,008,755	1,886,668	122,087	3,621,281	45
920	377,146	141	26,007	101	14,760	82,328	10,388	6,942	65,003	----------	1,368,399	1,328,334	40,565	2,288,725	46
13,113	6,687,991	3,688	928,013	818	138,377	2,049,505	372,412	56,277	1,546,007	74,809	23,154,709	21,961,056	1,193,653	40,691,278	47
2,003	814,154	209	35,808	237	20,554	231,821	10,949	8,397	211,075	1,400	2,876,488	2,601,844	274,644	4,492,949	48
14,174	6,348,493	2,403	528,482	834	135,092	2,484,190	675,816	71,732	1,312,343	424,299	15,040,341	13,489,634	1,550,707	30,811,623	49
3,468	1,415,684	1,053	209,015	198	21,239	517,068	41,577	16,165	278,739	180,587	5,593,958	5,480,179	113,779	9,118,742	50
699	286,677	15	3,840	72	9,466	55,527	3,288	7,611	44,128	500	1,417,408	1,315,723	101,685	2,063,516	51
172,011	91,540,077	61,688	18,151,177	12,746	2,155,822	55,575,685	5,607,288	1,222,710	28,978,408	19,767,279	326,877,441	320,684,140	6,193,301	603,466,526	52
132	47,608	----------	----------	2	230	6,298	700	1,879	3,719	----------	108,654	107,363	1,291	219,475	53
2,815	1,149,332	150	42,105	40	6,458	213,119	10,165	33,313	169,571	70	5,516,434	5,480,240	36,194	8,169,297	54
3,983	1,801,518	1,979	377,806	339	39,989	829,905	67,776	25,971	679,379	56,779	8,108,688	8,011,086	97,602	12,968,140	55
158	50,466	68	11,819	6	530	22,970	4,463	1,266	16,941	300	375,471	372,123	3,348	588,023	56
1,361	562,100	70	14,066	88	11,885	204,338	6,088	10,965	186,212	1,073	2,332,697	2,295,272	37,425	3,744,560	57
628	236,390	23	3,914	9	2,034	68,701	2,062	7,601	59,038	----------	1,562,556	1,558,247	4,309	2,358,604	58
2,084	1,031,213	95	16,424	21	3,201	67,169	15,582	7,729	36,763	7,095	2,158,621	2,123,337	35,284	3,759,445	59
1,570	658,328	71	17,007	22	2,993	173,650	12,570	11,309	149,021	750	4,632,262	4,596,781	35,481	6,491,017	60
419	155,381	85	16,314	8	996	27,110	7,336	3,967	15,697	110	778,969	768,001	10,968	1,182,500	61
3,206	1,698,754	204	51,010	14	2,280	1,828,479	35,402	27,223	1,762,504	3,350	10,825,884	10,547,054	278,830	18,494,139	62
2,562	1,087,272	108	29,182	40	16,222	489,641	18,923	21,220	413,399	36,099	5,877,893	5,756,701	121,192	9,142,959	63
4,275	2,429,016	278	63,412	362	70,995	1,094,950	34,077	28,869	759,355	272,649	4,968,509	4,594,615	373,894	10,299,588	64
1,436	622,142	428	101,013	188	24,986	161,962	10,691	10,756	105,940	34,575	2,114,144	2,068,743	45,401	3,724,302	65
13,353	7,798,425	666	152,547	516	99,048	2,601,020	70,992	131,716	2,320,681	77,661	19,991,682	18,982,720	1,008,962	37,285,177	66
498	217,859	10	2,604	85	12,644	67,902	4,985	9,626	53,291	----------	1,221,210	1,213,936	7,304	1,940,580	67
9,756	3,695,098	3,558	765,288	819	103,601	2,076,281	34,214	39,809	1,875,885	76,373	11,872,163	11,430,815	441,348	23,089,791	68

SPECIFIED INDUSTRIES: 1900.

574,606	$293,697,372	126,093	$33,067,828	33,185	$5,307,470	$134,344,269	$10,814,621	$4,444,216	$86,207,684	$32,877,748	$1,042,434,599	$995,673,525	$46,761,074	$1,834,790,860	1
1,657	686,790	1	261	6	993	196,719	3,173	11,948	153,028	28,570	1,282,242	1,195,306	36,936	3,198,471	2
5	3,185	229	40,826	10	1,400	2,063	280	188	1,495	100	60,393	60,072	321	144,930	3
84	40,185	521	137,021	268	31,713	54,012	17,724	1,018	34,270	1,000	467,129	464,710	2,419	949,990	4
38	18,753	1	312	2	298	6,478	4,555	14	1,904	----------	17,062	16,599	463	34,239	5
11	5,640	14	3,724	3	400	6,738	540	148	6,050	----------	62,091	61,728	363	100,191	6

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
7	Awnings, tents, and sails	75	$240,367	$3,825	$6,600	$38,488	$191,454	84	16	$11,190	287	$127,705
8	Babbitt metal and solder	6	74,673	4,400	3,250	7,300	59,723	7	2	1,400	19	10,103
9	Bags, other than paper	3	41,250	----------	----------	9,250	32,000	6	2	2,020	29	10,425
10	Bags, paper	12	217,407	5,000	6,772	46,890	158,745	9	14	18,924	163	52,575
11	Baking and yeast powders	8	56,350	1,200	5,000	11,450	38,700	7	19	12,970	32	12,006
12	Baskets, and rattan and willow ware	57	120,751	6,640	15,809	26,456	71,849	60	5	3,120	190	66,652
13	Bells	3	29,400	2,000	8,500	12,000	6,900	4	2	1,080	7	2,535
14	Belting and hose, leather	9	488,337	8,500	32,570	61,252	386,015	13	25	15,077	87	52,889
15	Bicycle and tricycle repairing	502	578,633	29,200	55,455	213,210	280,768	571	30	16,889	418	171,833
16	Bicycles and tricycles	24	1,550,957	78,930	211,840	422,635	837,552	26	110	91,681	947	431,369
17	Billiard tables and materials	5	47,435	4,000	3,000	1,935	38,500	6	2	1,560	17	9,986
18	Blacking	12	394,804	20,500	36,688	45,225	292,391	12	59	59,074	146	49,435
19	Blacksmithing and wheelwrighting	4,509	5,182,393	1,015,703	1,388,122	895,040	1,883,528	4,789	21	13,184	2,766	1,394,095
20	Bluing	7	38,175	6,800	8,200	4,875	18,300	10	----------	----------	19	6,739
21	Bone, ivory, and lampblack	12	725,535	148,603	177,422	290,371	109,139	15	15	16,650	66	37,857
22	Bookbinding and blank book making	111	1,470,816	11,150	34,100	593,964	831,602	130	92	94,233	1,606	633,363
23	Boot and shoe cut stock	7	145,944	3,725	5,500	9,318	127,401	11	10	7,600	72	22,220
24	Boot and shoe uppers	16	44,230	16,350	16,150	2,665	9,065	21	1	700	31	14,938
25	Boots and shoes, custom work and repairing.	2,580	1,098,111	182,765	294,400	265,664	355,282	2,611	22	12,604	904	358,417
26	Boots and shoes, factory product	146	6,860,480	279,602	660,300	1,309,513	4,611,065	209	663	579,794	9,144	3,111,113
27	Bottling	492	3,012,944	448,554	560,694	498,220	1,505,476	538	130	104,522	1,243	628,838
28	Boxes, cigar	101	992,528	69,510	159,366	216,035	547,617	128	36	21,699	1,170	318,538
29	Boxes, fancy and paper	87	1,977,711	130,350	242,126	651,224	954,011	101	126	109,546	3,443	877,873
30	Boxes, wooden packing	59	1,211,133	229,130	184,616	257,631	539,756	66	56	47,092	865	352,535
31	Brass castings and brass finishing	58	2,796,234	260,725	370,777	533,387	1,631,345	66	137	141,195	961	495,633
32	Brassware	23	1,103,936	159,039	106,150	381,330	457,417	23	73	74,777	683	251,279
33	Bread and other bakery products	2,443	10,985,714	1,975,996	3,246,297	3,023,254	2,740,167	2,552	1,031	720,625	7,398	3,254,699
34	Brick and tile	385	10,506,823	2,796,468	2,885,801	2,108,046	2,716,508	507	269	247,674	6,783	2,626,291
35	Bridges	12	4,136,499	310,720	277,012	714,753	2,834,014	8	99	120,318	1,999	1,201,192
36	Bronze castings	4	448,181	37,500	50,500	44,425	315,756	3	23	35,490	137	82,722
37	Brooms and brushes	167	1,026,032	74,905	89,415	108,445	753,267	206	88	61,906	925	348,130
38	Buttons	21	557,488	24,500	47,580	200,052	285,356	30	42	39,152	1,140	321,473
39	Calcium lights	3	12,039	----------	----------	4,700	7,339	3	1	1,000	7	2,886
40	Card cutting and designing	16	99,132	3,000	2,600	40,779	52,753	21	1	520	113	54,540
41	Carpentering	1,846	12,574,714	1,119,406	1,164,102	1,043,034	9,248,172	2,143	438	354,379	13,266	7,641,982
42	Carpets and rugs, other than rag	93	17,957,607	936,875	2,705,050	5,294,986	9,020,696	103	336	375,483	12,919	5,330,643
43	Carpets, rag	250	400,148	76,872	107,525	61,510	154,211	275	20	7,401	472	145,949
44	Carpets, wood	4	38,699	----------	----------	6,050	32,649	9	10	5,430	57	24,634
45	Carriage and wagon materials	57	2,574,074	196,925	411,731	709,031	1,256,387	75	87	106,835	1,454	691,490
46	Carriages and sleds, children's	8	297,863	1,000	15,000	35,669	246,194	11	28	25,244	307	120,597
47	Carriages and wagons	872	8,643,815	1,397,475	2,025,796	919,800	4,300,244	1,064	247	206,649	5,166	2,497,452
48	Cars and general shop construction and repairs by steam railroad companies.	144	19,182,001	2,128,663	5,766,904	4,858,929	6,427,505	----------	1,065	810,857	28,554	15,825,640
49	Cars and general shop construction and repairs by street railroad companies.	10	766,450	285,585	212,600	134,826	133,439	----------	22	13,230	1,005	573,654
50	Cars, steam railroad, not including operations of railroad companies.	11	33,828,723	944,900	1,780,000	1,424,595	29,679,228	6	414	426,399	5,840	3,111,556
51	Charcoal	6	43,529	26,050	1,750	1,820	13,909	5	1	480	110	23,125
52	Cheese and butter, urban dairy products.	5	11,682	2,500	4,500	3,150	1,532	7	2	480	3	991
53	Cheese, butter, and condensed milk, factory product.	749	3,038,128	126,836	896,453	1,268,416	741,423	692	127	45,596	976	445,703
54	Chemicals	100	22,756,656	2,030,346	3,939,376	6,709,182	10,077,752	54	415	572,846	4,278	2,198,243
55	China decorating	26	51,389	12,100	6,600	6,907	25,782	25	8	2,170	33	13,731
56	Chocolate and cocoa products	3	799,671	45,000	170,000	126,343	458,328	3	48	35,238	123	40,307
57	Cleansing and polishing preparations	13	37,650	400	900	4,780	31,570	13	25	15,594	16	5,687
58	Cloth, sponging and refinishing	3	51,339	8,000	5,000	19,484	18,855	3	4	3,990	50	21,750
59	Clothing, horse	9	203,464	----------	75	15,706	187,683	12	13	11,940	206	56,754
60	Clothing, men's, custom work and repairing.	2,231	6,711,201	634,728	789,500	343,595	4,943,378	2,549	363	278,713	7,710	3,410,804
61	Clothing, men's, factory product	481	10,446,107	408,840	452,936	394,780	9,189,551	659	831	819,176	10,497	4,422,074
62	Clothing, men's, factory product, buttonholes.	18	16,495	----------	----------	12,190	4,305	19	1	760	140	47,763
63	Clothing, women's, dressmaking	1,196	1,175,036	104,935	182,908	147,299	739,894	1,307	72	56,412	3,866	1,110,978
64	Clothing, women's, factory product	230	5,197,094	40,650	80,900	526,376	4,549,168	346	596	524,528	8,311	2,606,024
65	Coffee and spice, roasting and grinding	59	1,280,994	91,550	120,850	211,436	857,158	77	139	183,886	341	153,148
66	Coffins, burial cases, and undertakers' goods.	22	2,016,721	230,132	498,100	257,079	1,031,410	27	74	71,009	666	281,413
67	Coke	89	20,218,147	744,341	1,501,105	12,460,419	5,507,282	40	518	481,133	9,283	4,516,651
68	Combs	6	107,559	12,100	5,400	25,544	64,515	12	1	250	185	65,070
69	Confectionery	694	5,948,237	742,000	1,239,749	1,449,466	2,512,022	793	745	537,003	5,244	1,519,861
70	Cooperage	119	1,884,174	354,420	334,253	174,701	1,020,800	139	42	30,793	1,058	479,258
71	Cordage and twine	16	4,550,999	284,873	414,400	994,884	2,856,842	21	76	87,164	1,567	488,888
72	Cork, cutting	10	1,488,433	126,100	179,864	178,346	999,623	9	43	73,326	1,538	401,592
73	Corsets	14	78,470	2,300	1,500	16,965	57,705	14	11	13,100	157	52,152
74	Cotton goods	154	22,386,121	1,193,575	3,364,273	8,152,753	9,675,520	207	515	677,303	15,567	5,602,339
75	Cotton small wares	24	1,945,844	107,500	215,500	627,758	995,086	34	50	64,620	1,444	454,947
76	Cotton waste	10	273,905	13,500	29,100	44,925	186,380	11	8	10,430	78	41,950

SPECIFIED INDUSTRIES: 1900—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
175	$97,743	110	$29,632	2	$330	$29,587	$18,159	$190	$11,238	----------	$312,662	$310,872	$1,790	$662,659	7
19	10,103	----------	----------	----------	----------	2,149	1,380	148	621	----------	146,025	144,934	1,091	189,310	8
8	4,650	21	5,775	----------	----------	2,446	1,924	45	477	----------	85,220	84,970	250	130,208	9
92	37,213	71	15,362	----------	----------	12,976	4,632	276	8,068	----------	338,480	335,621	2,859	504,335	10
21	10,266	9	1,565	2	175	8,355	3,600	70	4,685	----------	57,355	56,358	997	107,260	11
144	57,234	37	8,161	9	1,257	9,479	4,210	328	4,941	----------	72,961	72,133	828	196,121	12
7	2,535	----------	----------	----------	----------	651	120	109	422	----------	7,046	6,031	1,015	15,525	13
85	52,520	----------	----------	2	360	14,553	6,075	408	8,070	----------	470,004	467,466	2,548	665,955	14
386	167,087	----------	----------	32	4,746	77,629	57,247	1,664	17,048	$1,630	351,822	339,645	12,177	956,499	15
891	419,958	29	7,280	27	4,131	128,931	10,597	1,700	110,834	5,800	1,065,461	1,050,195	15,266	1,855,043	16
17	9,986	----------	----------	----------	----------	2,185	1,068	80	1,037	----------	24,565	24,485	80	51,837	17
48	23,017	88	24,671	10	1,747	48,054	9,832	1,159	37,063	----------	239,389	236,282	3,107	510,536	18
2,716	1,386,706	----------	----------	50	7,389	258,025	168,200	31,624	55,315	2,886	1,888,575	1,762,062	126,513	6,904,109	19
9	4,189	3	800	7	1,750	1,926	630	231	665	----------	20,416	20,074	342	42,805	20
66	37,857	----------	----------	----------	----------	67,624	4,750	2,021	59,862	891	83,739	82,389	1,350	309,397	21
770	420,062	759	207,684	77	10,617	129,827	67,257	1,027	46,545	14,998	697,613	684,386	13,227	1,993,483	22
47	17,300	20	4,500	5	420	1,879	1,202	95	582	----------	431,693	430,011	1,682	523,844	23
26	12,666	5	2,272	----------	----------	2,250	796	306	998	150	39,626	39,361	265	70,488	24
872	350,663	19	5,921	13	1,833	236,373	189,727	7,477	28,435	10,734	837,287	817,066	20,221	2,708,357	25
5,291	2,157,786	3,239	838,589	614	114,738	572,624	48,953	10,193	509,079	4,399	8,210,846	8,158,589	52,257	13,235,933	26
1,225	624,852	9	2,294	9	1,692	457,857	88,578	145,015	223,848	416	7,135,046	7,113,515	21,531	9,637,949	27
519	182,344	586	128,624	65	7,570	43,963	6,596	3,066	34,301	----------	909,900	896,344	13,556	1,553,005	28
743	316,619	2,260	501,658	435	59,596	158,142	58,038	4,652	95,452	----------	1,260,423	1,237,328	23,095	2,986,118	29
820	345,662	21	2,944	24	3,929	51,197	13,624	5,157	32,416	----------	1,344,918	1,330,687	14,231	2,117,029	30
955	493,143	5	2,250	1	245	174,232	18,209	7,644	147,612	767	2,643,566	2,604,188	39,378	3,862,135	31
513	217,912	77	19,041	93	14,326	79,652	12,055	2,907	64,490	200	409,414	396,441	12,973	981,081	32
5,967	2,959,484	1,041	236,570	390	58,645	1,009,193	311,933	76,899	619,906	455	11,055,386	10,715,752	339,634	20,784,041	33
6,433	2,568,232	2	270	298	57,789	535,607	112,412	34,100	343,219	45,876	1,137,944	281,621	856,323	5,954,415	34
1,989	1,198,192	----------	----------	10	3,000	177,423	1,870	5,706	97,212	72,635	3,867,058	3,807,381	59,677	6,991,565	35
136	82,566	1	156	----------	----------	44,314	1,800	1,011	39,973	1,530	876,182	868,056	8,126	1,146,074	36
681	303,330	179	34,538	65	10,262	68,922	30,011	2,245	31,770	4,896	941,190	933,346	7,844	1,769,172	37
347	166,892	711	141,601	82	12,980	17,683	7,715	1,233	8,555	180	403,106	396,475	6,631	999,355	38
7	2,886	----------	----------	----------	----------	1,432	1,004	----------	428	----------	3,286	2,768	518	17,774	39
106	51,520	3	2,400	4	620	6,877	3,030	128	2,183	1,536	37,244	36,446	798	150,414	40
13,241	7,635,911	1	520	24	5,551	16,289,156	127,438	36,635	278,917	15,846,166	15,591,271	15,550,637	40,634	46,580,575	41
6,608	3,269,567	5,461	1,926,024	850	135,052	1,671,015	107,624	35,151	1,248,594	279,646	13,773,788	13,538,025	235,763	23,113,058	42
404	133,597	59	11,335	9	1,017	32,547	10,533	2,135	9,513	10,366	332,161	328,236	3,915	607,338	43
57	24,634	----------	----------	----------	----------	10,618	3,710	----------	6,908	----------	76,273	74,856	1,417	165,148	44
1,417	685,671	----------	----------	37	5,819	93,747	4,730	8,408	78,609	2,000	1,144,743	1,110,381	34,362	2,496,955	45
237	104,622	45	11,375	25	4,600	41,787	7,780	647	33,360	----------	221,318	219,618	1,700	474,650	46
5,082	2,481,857	17	3,919	67	11,676	393,101	87,260	38,407	240,027	27,407	3,215,741	3,134,481	81,260	8,342,662	47
28,372	15,779,638	144	38,974	38	7,028	3,280,079	225	61,366	265,622	2,952,866	23,147,574	22,790,489	357,085	43,065,171	48
1,005	573,654	----------	----------	----------	----------	14,819	100	9,087	5,632	----------	595,620	589,127	6,493	1,244,518	49
5,753	3,083,636	----------	----------	87	27,920	1,265,456	20,804	20,806	823,846	400,000	12,188,811	11,992,884	195,927	19,260,910	50
110	23,125	----------	----------	----------	----------	6,626	----------	42	4,550	2,034	28,383	28,083	300	69,705	51
3	991	----------	----------	----------	----------	452	222	36	194	----------	8,411	8,136	275	18,959	52
922	435,101	35	8,629	19	1,978	116,195	23,828	11,868	79,344	1,155	8,711,635	8,602,063	109,572	10,290,006	53
4,055	2,136,905	211	59,036	12	2,302	931,869	16,881	50,838	861,657	2,493	6,805,769	6,240,847	564,922	13,034,384	54
20	10,531	11	2,992	2	208	5,685	4,029	426	1,095	135	39,196	37,492	1,704	89,216	55
76	30,700	37	8,644	10	968	43,686	600	2,064	41,022	----------	870,360	861,663	8,697	1,039,032	56
12	4,477	4	1,210	----------	----------	10,106	1,671	68	8,367	----------	21,754	21,290	464	65,323	57
49	21,650	----------	----------	1	100	7,431	2,280	170	4,981	----------	2,558	1,265	1,293	52,518	58
53	21,096	116	29,126	37	6,532	30,953	6,125	58	1,970	22,800	319,700	318,472	1,228	474,366	59
4,998	2,702,849	2,606	693,142	106	14,813	1,059,909	529,128	20,985	262,438	247,358	5,195,493	5,141,322	54,111	13,374,712	60
5,024	2,962,561	5,115	1,400,067	358	59,446	2,137,272	251,787	10,102	369,723	1,505,660	12,212,763	12,159,198	53,565	23,389,043	61
76	31,212	49	14,456	15	2,095	3,959	2,614	----------	1,345	----------	16,388	15,579	804	102,181	62
265	165,008	3,568	942,108	33	3,862	203,551	161,152	4,147	36,428	1,824	1,243,625	1,225,811	17,814	3,741,180	63
1,961	1,057,678	6,188	1,524,493	162	28,853	629,266	151,184	6,772	370,030	101,280	6,269,950	6,229,816	40,134	11,694,580	64
253	130,660	86	22,300	2	188	90,330	23,645	3,918	62,772	----------	1,981,504	1,958,330	23,174	2,769,056	65
520	258,780	138	21,787	8	846	74,654	6,381	6,659	61,614	----------	584,627	576,327	8,300	1,214,488	66
9,278	4,515,749	----------	----------	5	902	1,227,259	32,177	186,344	995,882	12,856	11,678,079	11,555,923	122,156	22,282,358	67
189	55,451	30	6,682	16	2,987	6,274	1,992	255	4,027	----------	116,655	113,813	2,842	220,312	68
2,150	929,639	2,422	492,274	672	97,948	608,886	176,190	27,168	404,458	570	5,854,998	5,752,452	102,546	10,361,878	69
944	453,868	----------	----------	114	25,390	153,695	25,287	8,856	35,854	83,698	1,958,021	1,945,914	12,107	2,974,553	70
719	311,280	930	146,019	218	31,589	84,096	2,300	5,815	75,981	----------	4,672,682	4,651,234	21,448	5,938,381	71
537	240,590	861	145,565	140	15,527	173,540	3,426	5,235	164,879	----------	1,120,402	1,110,394	10,008	2,188,224	72
11	7,118	131	43,099	15	1,935	5,271	4,476	40	755	----------	72,003	71,651	352	185,090	73
6,737	3,149,455	7,119	2,194,413	1,711	258,471	1,852,026	141,464	52,863	1,107,867	549,832	12,238,660	11,893,060	345,600	23,421,470	74
337	149,479	1,001	287,328	106	18,140	205,117	22,179	4,222	88,306	90,410	938,058	915,260	22,798	2,026,227	75
74	40,860	4	1,090	----------	----------	14,755	4,938	688	8,879	250	546,167	540,985	5,182	669,594	76

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
77	Crucibles	5	$617,074	$33,000	$107,601	$105,780	$370,693	11	7	$12,049	69	$39,688
78	Cutlery and edge tools	31	2,027,680	189,074	485,553	514,852	838,201	41	53	59,062	1,005	445,543
79	Dentists' materials	18	1,288,171	120,000	217,000	210,028	741,143	20	70	79,134	630	327,117
80	Druggists' preparations, not including prescriptions.	18	4,542,682	195,200	460,906	424,117	3,462,459	19	333	358,870	1,190	415,871
81	Dyeing and cleaning	184	493,303	125,025	147,390	126,478	94,410	198	40	20,680	402	180,739
82	Dyeing and finishing textiles	105	7,679,906	733,612	1,290,133	2,368,629	3,287,532	155	216	260,277	4,716	2,065,752
83	Dye stuffs and extracts	12	1,778,173	121,450	273,179	537,993	845,551	5	36	60,686	257	118,544
84	Electrical apparatus and supplies	63	20,967,587	362,348	2,406,873	2,924,209	15,274,157	48	646	836,960	7,817	4,002,737
85	Electrical construction and repairs	132	552,207	32,500	9,975	90,268	419,464	168	67	60,611	597	327,443
86	Electroplating	49	159,919	6,000	3,400	86,762	54,757	66	6	4,976	200	86,996
87	Emery wheels	6	509,163	10,900	57,201	133,138	307,924	2	26	26,116	75	39,626
88	Enameling and enameled goods	10	140,150	10,500	28,600	47,840	53,210	10	21	10,243	101	33,323
89	Engraving and diesinking	50	52,387			34,000	18,387	58	1	1,040	68	35,407
90	Engraving, steel, including plate printing.	36	384,911	18,750	28,000	193,528	144,633	52	83	53,350	557	269,487
91	Engraving, wood	19	55,360	5,500	3,000	3,525	43,335	23	1	1,000	24	12,964
92	Envelopes	5	176,084			78,498	97,586	9	19	13,858	139	47,707
93	Explosives	36	2,819,458	110,466	391,515	943,102	1,374,375	17	102	130,394	629	320,362
94	Fancy articles, not elsewhere specified.	36	282,397	4,600	14,390	65,535	197,872	46	40	17,731	420	105,197
95	Felt goods	3	186,445	6,150	53,800	68,050	58,445	4	6	6,336	75	30,490
96	Fertilizers	51	3,802,794	490,711	681,345	508,872	2,121,866	43	167	200,755	765	351,873
97	Files	14	1,650,414	139,824	336,930	578,621	600,039	17	39	57,666	1,149	445,045
98	Flags and banners	4	51,950	5,000	21,200	2,244	23,506	4	4	2,352	25	9,028
99	Flavoring extracts	30	199,837	15,700	18,925	17,659	147,553	39	25	18,092	54	22,077
100	Flouring and grist mill products	2,719	19,516,993	2,673,364	5,073,724	5,741,177	6,028,728	3,210	270	206,001	2,195	1,061,869
101	Food preparations	50	854,109	77,675	137,333	188,410	450,691	61	128	77,229	495	182,145
102	Foundry and machine shop products	1,260	154,958,750	14,285,139	22,327,171	33,052,633	85,293,807	1,354	4,564	5,170,370	62,828	33,199,521
103	Foundry supplies	11	640,144	221,050	66,543	133,534	219,017	8	31	35,270	129	69,579
104	Fruits and vegetables, canning and preserving.	39	520,206	38,216	77,355	101,658	302,977	43	35	25,309	468	123,179
105	Fur goods	51	671,021	32,450	18,820	27,901	591,850	58	61	29,882	260	136,213
106	Fur hats	20	5,726,259	848,940	1,368,207	736,849	2,772,263	22	180	269,619	2,890	1,187,272
107	Furnishing goods, men's	48	794,942	11,500	16,900	120,179	646,363	65	147	154,830	2,125	639,066
108	Furniture, cabinetmaking, repairing, and upholstering.	710	1,402,784	156,140	273,425	170,820	802,399	797	51	35,637	1,262	635,583
109	Furniture, factory product	192	7,715,730	669,527	1,214,073	1,360,209	4,471,921	296	514	478,087	6,412	2,732,359
110	Furs, dressed	3	37,245	12,000	13,000	7,120	5,125	5			19	13,400
111	Galvanizing	10	1,259,629	30,804	100,956	156,857	921,012	9	22	22,749	338	136,463
112	Gas and lamp fixtures	30	1,679,799	52,900	75,230	308,983	1,242,686	32	123	134,386	1,018	501,001
113	Gas and oil stoves	9	233,487	33,500	30,500	52,657	116,830	7	20	17,538	142	69,963
114	Gas, illuminating and heating	89	47,312,537	2,654,906	2,861,606	31,235,121	10,560,904		577	457,092	3,144	1,506,266
115	Gas machines and meters	12	2,161,806	111,500	159,500	320,500	1,570,306	8	59	57,616	372	435,272
116	Glass	119	28,287,187	2,589,897	8,021,796	7,683,311	9,992,183	81	842	1,110,383	19,420	10,287,491
117	Glass, cutting, staining, and ornamenting.	67	605,984	26,600	51,822	107,987	419,575	80	75	65,870	944	412,147
118	Gloves and mittens	4	28,950	500	4,500	4,650	19,300	6	3	1,800	43	9,750
119	Glue	11	2,194,144	123,362	276,262	199,850	1,594,670	13	24	39,320	549	218,642
120	Gold and silver, leaf and foil	8	408,894	53,900	92,900	47,602	214,492	12	6	5,268	189	87,730
121	Gold and silver, reducing and refining, not from the ore.	6	38,565	6,000	10,000	14,153	8,412	4	3	2,094	7	4,216
122	Graphite and graphite refining	4	75,425	1,500	8,100	35,000	30,825	1	4	6,800	27	10,637
123	Grease and tallow	38	1,380,348	132,334	339,700	399,599	508,715	39	40	46,350	347	178,606
124	Hairwork	37	122,655	35,000	17,000	9,350	61,305	41	2	1,600	98	35,907
125	Hand knit goods	8	15,795	1,075	1,200	2,770	10,750	9			44	8,400
126	Hand stamps	27	207,217	11,000	7,500	91,146	97,571	31	24	21,543	130	65,083
127	Hardware	49	5,264,174	599,330	757,832	1,396,604	2,510,408	48	272	220,855	4,095	1,604,362
128	Hardware, saddlery	6	24,350	1,500	1,550	4,200	17,100	7	3	2,166	37	13,356
129	Hat and cap materials	6	88,200	12,000	8,000	5,600	62,600	8	2	1,500	27	11,350
130	Hats and caps, not including fur hats and wool hats.	83	660,985	33,150	41,600	110,797	475,438	108	67	60,459	998	353,676
131	Hosiery and knit goods	319	15,743,981	721,967	1,890,387	5,599,572	7,532,055	367	688	638,483	21,540	5,325,783
132	House furnishing goods, not elsewhere specified.	19	486,641	31,500	84,400	86,969	283,772	30	37	22,216	284	87,994
133	Ice, manufactured	78	8,259,861	1,293,100	1,539,675	4,712,816	774,270	51	246	169,993	930	537,748
134	Ink, printing	7	471,006	73,000	47,000	74,099	276,907	7	29	60,824	78	47,947
135	Ink, writing	7	37,804	2,050	1,850	11,400	22,504	8	3	3,124	21	9,328
136	Instruments, professional and scientific.	36	1,284,788	53,000	166,950	359,903	704,885	53	105	119,175	781	366,570
137	Iron and steel	291	309,729,222	28,030,601	46,149,423	94,760,497	145,788,701	130	5,068	6,184,780	110,364	61,903,405
138	Iron and steel, bolts, nuts, washers, and rivets.	15	3,169,800	480,120	340,005	1,170,296	1,179,379	18	76	96,591	1,948	602,592
139	Iron and steel, forgings	24	2,568,629	239,784	168,118	805,369	1,355,408	27	91	103,250	1,392	777,957
140	Iron and steel, nails and spikes, cut and wrought, including wire nails.	13	2,059,954	121,588	288,400	1,049,928	600,038	8	57	58,489	856	312,026
141	Iron and steel, pipe, wrought	10	11,698,057	886,043	2,314,582	3,966,839	4,530,593	1	121	151,100	3,675	1,678,961
142	Ironwork, architectural and ornamental.	93	7,621,620	851,695	698,288	1,235,141	4,836,496	102	355	330,183	4,085	2,066,160
143	Ivory and bone work	6	89,190	1,000	3,000	24,500	60,690	6	6	7,000	107	39,454
144	Japanning	6	26,680	2,000	8,000	3,870	12,810	7	1	300	23	8,753
145	Jewelry	22	684,952	15,000	5,000	119,098	545,854	28	60	38,987	434	200,793
146	Jewelry and instrument cases	6	54,750			13,300	41,450	8	5	2,560	76	28,928

SPECIFIED INDUSTRIES: 1900—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
69	$39,688					$10,746	$1,200	$1,638	$7,908		$901,583	$893,130	$8,453	$1,146,807	77
978	441,968	9	$2,013	18	$1,562	76,569	1,784	3,692	71,068	$25	461,576	412,486	49,090	1,212,665	78
388	233,680	234	92,317	8	1,120	57,210	12,946	5,102	39,162		981,064	968,833	12,231	1,828,976	79
395	212,358	788	202,283	7	1,230	531,699	26,581	3,843	441,275	60,000	2,034,841	2,013,351	21,490	3,969,064	80
254	135,361	142	44,309	6	1,069	65,286	24,273	4,939	32,799	3,275	103,314	89,788	13,526	603,241	81
4,013	1,905,718	346	93,706	357	66,328	556,083	68,990	28,293	455,595	3,205	3,174,507	2,823,064	351,443	7,038,012	82
251	117,169	5	1,250	1	125	158,252	1,785	3,272	153,134	61	661,444	638,997	22,447	1,269,246	83
6,600	3,677,780	1,054	294,236	163	30,721	1,647,426	50,943	30,674	1,318,786	247,023	11,372,739	11,220,120	152,619	19,112,665	84
582	323,732	2	500	13	3,211	88,191	30,224	602	25,875	31,490	833,076	828,739	4,337	1,632,931	85
180	82,326	9	2,951	11	1,719	19,122	13,850	155	5,117		60,888	53,098	7,790	259,395	86
74	39,210	1	416			37,556	1,080	519	35,957		63,054	57,356	5,708	209,295	87
63	25,907	32	6,508	6	908	4,806	1,428	352	2,858	168	48,443	44,501	3,942	127,005	88
62	34,326	2	450	4	631	9,197	7,530	11	1,423	233	14,145	12,800	1,345	130,508	89
342	208,797	199	58,466	16	2,224	53,756	19,969	709	32,078	1,000	186,280	181,520	4,760	805,890	90
23	12,808			1	156	7,416	1,878	148	890	4,500	4,155	4,081	74	49,055	91
33	14,930	100	31,841	6	936	14,169	7,720	132	6,317		101,916	99,083	2,833	243,486	92
598	312,357	27	7,405	4	600	200,371	3,215	10,889	186,267		1,500,252	1,467,531	32,721	2,595,180	93
135	51,901	237	46,929	48	6,367	21,920	11,724	307	8,889	1,000	226,976	224,516	2,460	509,190	94
74	29,890	1	600			11,678	1,200	410	10,068		88,715	84,216	4,499	160,633	95
764	351,773			1	100	238,324	15,023	10,414	203,364	9,523	2,584,272	2,529,728	54,544	3,044,320	96
845	374,879	164	46,359	140	24,307	111,768	4,124	4,704	102,666	274	457,756	418,767	38,989	1,236,436	97
6	3,073	19	5,955			1,375	520	191	664		24,694	24,379	315	66,811	98
42	19,165	11	2,840	1	72	22,241	6,743	503	12,945	2,050	153,619	152,741	878	326,475	99
2,180	1,059,307			15	2,562	667,372	171,092	95,731	400,199	350	30,566,466	30,347,301	219,165	36,639,423	100
353	148,355	128	31,410	14	2,380	115,861	13,698	2,676	99,487		935,316	902,471	22,845	1,611,869	101
62,096	33,045,261	130	35,481	602	118,779	6,830,037	385,694	430,572	5,672,875	341,396	62,336,770	60,379,209	1,957,561	127,292,440	102
129	69,579					15,557	1,190	2,359	12,008		399,113	385,664	13,449	684,152	103
211	81,345	206	35,833	51	6,001	58,788	3,527	1,409	53,700	152	499,353	492,338	7,015	801,250	104
87	74,487	166	60,676	7	1,050	65,605	34,628	973	29,759	250	402,009	399,729	2,280	876,435	105
2,043	984,782	714	182,606	133	19,884	351,729	9,536	6,986	315,322	19,885	1,866,866	1,824,251	42,615	4,243,352	106
274	142,586	1,615	455,506	236	40,974	62,110	22,300	891	38,919		1,927,214	1,921,609	5,605	3,171,757	107
1,074	577,547	171	55,428	17	2,608	203,985	93,406	5,768	47,551	57,260	942,485	928,971	13,514	2,704,917	108
6,146	2,689,388	80	16,347	186	26,624	462,206	81,494	21,697	344,657	14,358	4,448,877	4,369,373	74,504	9,804,677	109
19	13,400					710	40	195	475		1,985	1,561	424	22,500	110
331	135,188			7	1,275	23,541	4,656	2,947	16,538		1,360,097	1,287,110	12,987	1,847,611	111
963	487,639	41	9,956	14	3,406	148,592	44,797	3,076	97,219	3,500	869,548	849,731	19,817	1,928,898	112
133	68,159	4	804	5	1,000	15,718	4,063	480	10,155	1,020	200,790	198,301	2,489	351,307	113
3,143	1,506,146	1	120			1,113,998	436,500	50,329	627,169		3,150,655	3,095,008	55,647	7,870,502	114
848	430,476	21	4,250	3	546	46,731	6,465	2,186	37,780	300	680,817	666,534	14,283	1,550,606	115
15,136	9,338,261	1,546	414,250	2,738	594,980	1,867,879	12,465	100,838	1,723,445	31,131	6,485,463	5,013,691	1,421,772	22,011,130	116
739	363,485	161	42,487	44	6,175	56,323	24,434	1,659	29,327	903	449,952	433,070	16,882	1,262,983	117
16	4,800	27	4,959			883	223	40	620		20,737	20,534	203	42,236	118
509	207,737	15	4,405	25	6,500	176,093	133	13,426	162,264	270	1,240,467	1,170,022	70,445	1,699,567	119
137	73,794	44	12,304	8	1,632	4,072	729	1,792	1,551		341,534	339,879	1,655	483,192	120
6	3,956	1	260			3,240	1,884	31	1,325		90,679	90,255	424	114,109	121
27	10,637					2,672	1,371	184	1,117		16,645	13,889	2,756	59,374	122
347	178,606					138,946	9,228	5,652	124,066		1,887,360	1,846,004	41,356	2,501,671	123
16	10,714	81	25,011	1	182	11,665	7,441	864	3,020	340	47,605	46,759	846	148,829	124
		44	8,400			1,600	856	42	178	524	7,650	7,605	45	33,363	125
108	60,997	11	2,200	11	1,886	18,480	8,840	367	9,273		51,883	49,427	2,456	207,628	126
3,466	1,493,762	258	56,097	371	54,503	221,804	11,191	22,368	187,785	460	1,833,381	1,759,827	73,554	4,843,860	127
35	13,096			2	260	1,585	654	74	857		17,426	16,363	1,063	48,955	128
17	8,966	7	1,760	3	624	4,282	2,870	360	1,052		99,586	99,460	126	136,821	129
389	201,869	601	149,919	17	1,888	56,004	25,930	1,099	26,235	2,740	803,741	797,403	6,338	1,682,442	130
3,725	1,599,766	13,739	3,648,805	4,076	577,212	1,884,722	107,905	26,416	1,042,198	708,203	10,928,113	10,750,770	177,343	21,806,063	131
104	36,873	171	49,493	9	1,628	56,664	6,683	1,780	39,401	8,850	493,990	429,430	4,560	660,252	132
933	537,748					290,339	24,474	24,748	241,079	38	392,484	156,929	235,555	2,038,504	133
76	47,427	1	260	1	260	33,477	2,705	1,072	29,700		204,482	199,089	5,393	407,966	134
15	7,704	6	1,624			4,854	2,224	50	2,580		23,262	23,054	208	49,638	135
654	319,198	120	46,394	7	1,068	134,728	18,787	2,143	113,798		479,624	463,174	16,450	1,328,101	136
109,420	61,600,400	308	62,801	1,136	245,204	17,845,789	1,165,741	745,105	15,327,358	607,530	283,142,785	253,605,188	29,537,597	434,445,200	137
1,735	556,235	21	8,750	192	37,517	114,984	6,060	11,704	97,220		2,108,225	2,036,096	72,129	3,502,375	138
1,314	763,550			78	14,407	145,228	7,969	7,003	122,039	8,217	1,945,801	1,842,725	103,076	3,309,543	139
726	285,148	114	24,431	16	2,447	42,061	980	2,740	37,716	625	818,003	784,725	33,278	1,497,715	140
3,625	1,671,443			50	7,518	148,202	25,800	16,480	105,922		11,586,470	11,297,580	288,890	15,383,693	141
4,066	2,061,305			19	4,855	372,541	32,906	21,498	272,987	45,150	6,969,203	6,864,877	104,326	10,434,292	142
92	85,154	12	3,790	3	510	2,416	1,073	55	688		70,537	69,622	915	156,719	143
19	7,973	1	280	3	500	2,666	1,812	45	779		6,649	5,859	790	28,752	144
328	173,446	85	23,881	21	3,466	38,714	13,686	355	22,968	1,705	252,806	248,009	4,797	693,480	145
34	18,941	36	9,073	6	914	4,493	3,085	15	1,393		52,490	51,575	915	109,712	146

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
147	Jute and jute goods	5	$1,611,510	$156,798	$222,550	$238,656	$993,506	4	14	$16,624	$1,116	$272,694
148	Kaolin and other earth grinding	33	1,691,435	108,680	133,714	231,838	1,217,203	35	44	73,272	572	214,590
149	Kindling wood	15	1,102,373	19,675	110,050	643,297	329,351	7	38	34,332	336	292,224
150	Labels and tags	9	88,195	2,000	3,000	47,200	35,995	10	10	9,436	87	18,427
151	Lamps and reflectors	18	580,779	26,350	102,053	171,125	281,251	21	34	46,332	384	176,014
152	Lapidary work	3	3,800			700	3,100	3			4	3,000
153	Lasts	5	100,676	18,000	19,922	21,494	41,260	5	4	4,134	72	36,914
154	Lead, bar, pipe, and sheet	7	1,006,766	128,000	93,000	250,395	535,371	10	36	47,690	141	74,958
155	Leather goods	27	877,231	60,400	44,450	95,821	676,560	42	101	103,894	1,180	365,658
156	Leather, tanned, curried, and finished	254	57,320,227	8,816,195	7,730,782	3,782,119	36,991,131	260	506	643,895	13,396	5,457,518
157	Lime and cement	251	15,567,849	1,988,300	2,926,305	6,516,068	4,137,176	262	203	203,504	4,559	1,783,718
158	Liquors, distilled	73	5,840,034	387,340	1,322,203	598,454	3,532,037	99	97	123,389	471	250,318
159	Liquors, malt	208	63,684,480	6,270,152	17,290,687	12,476,071	27,647,570	171	816	1,474,092	4,505	2,884,242
160	Liquors, vinous	3	130,631	2,700	16,700	2,231	109,000	3			7	1,700
161	Lithographing and engraving	27	1,248,118	41,500	55,500	740,237	410,881	34	61	73,884	747	330,223
162	Lock and gun smithing	197	436,909	99,570	85,027	93,149	154,163	215	9	5,222	311	141,539
163	Looking-glass and picture frames	134	737,579	24,912	28,750	81,028	602,889	221	110	69,036	596	253,482
164	Lumber and timber products	2,338	47,832,548	19,339,297	1,862,845	7,998,810	18,632,096	3,078	506	429,044	13,510	5,550,163
165	Lumber, planing mill products, including sash, doors, and blinds.	542	14,191,248	1,778,264	1,816,084	2,378,087	8,218,813	765	527	450,697	7,472	3,516,550
166	Malt	8	804,877	99,000	142,000	44,224	519,653	8	15	26,200	55	29,380
167	Mantels, slate, marble, and marbleized	6	65,373	4,700	8,800	3,285	48,638	5	12	9,570	40	23,220
168	Marble and stone work	339	8,065,083	1,375,372	354,718	1,025,774	5,309,219	444	246	261,475	6,654	3,012,062
169	Masonry, brick and stone	608	8,385,592	887,450	937,221	765,544	5,845,377	785	293	282,732	11,355	6,063,076
170	Matches	5	109,905	5,350	24,185	50,052	30,318	2	6	6,088	90	29,854
171	Mattresses and spring beds	78	986,421	69,150	122,353	123,664	670,754	90	93	69,370	791	301,202
172	Millinery and lace goods	41	670,499	97,000	43,500	81,804	443,195	50	75	57,053	946	305,195
173	Millinery, custom work	1,344	3,264,454	489,990	567,442	99,575	2,107,447	1,544	446	153,662	2,913	820,005
174	Mineral and soda waters	233	1,966,872	128,930	214,786	553,056	1,070,090	296	163	87,102	746	289,331
175	Mirrors	15	353,184	17,200	37,038	69,845	229,101	16	36	34,895	360	141,937
176	Models and patterns	67	397,946	10,300	22,575	118,439	246,632	86	14	14,220	397	246,666
177	Monuments and tombstones	390	1,712,125	328,393	194,286	169,044	1,020,397	474	44	27,524	923	552,760
178	Mucilage and paste	16	277,955		2,500	36,007	239,448	19	37	37,079	92	27,871
179	Musical instruments and materials, not specified.	20	438,746	25,700	49,400	63,977	299,669	27	14	8,030	152	77,000
180	Musical instruments, organs and materials.	17	526,281	25,423	72,180	38,062	390,616	23	19	31,235	274	149,738
181	Musical instruments, pianos and materials.	14	863,099	67,100	121,200	72,436	602,363	13	45	60,061	433	265,267
182	Needles and pins	4	15,665	250	1,150	8,500	5,765	6	1	720	18	7,976
183	Oil, linseed	4	879,628	75,600	141,740	168,944	493,344	2	36	30,038	111	59,914
184	Oil, not elsewhere specified	32	3,921,835	162,690	130,147	280,020	3,348,978	25	168	299,416	174	103,375
185	Optical goods	66	795,958	106,000	65,000	273,919	351,039	80	94	60,908	578	198,033
186	Painting, house, sign, etc	1,512	2,550,393	320,435	374,345	296,969	1,558,644	1,712	133	93,263	5,278	2,923,349
187	Paints	66	10,263,515	1,501,877	1,333,868	2,767,768	4,660,002	47	405	453,024	1,649	736,111
188	Paper and wood pulp	73	16,424,107	925,950	2,752,790	7,289,030	5,456,337	74	281	385,478	4,840	1,989,123
189	Paper goods, not elsewhere specified	15	572,866	63,000	73,749	65,950	370,167	16	28	30,475	283	106,056
190	Paper hanging	389	1,328,278	135,390	242,264	186,387	764,232	428	94	73,677	1,228	398,109
191	Paper hangings	13	2,194,106	72,834	222,668	812,526	1,086,078	8	96	133,658	921	432,109
192	Patent medicines and compounds	151	2,905,368	145,525	192,141	323,352	2,244,350	160	354	265,341	936	360,031
193	Paving and paving materials	133	4,275,018	297,729	506,848	671,867	2,798,574	206	174	156,797	4,719	2,147,380
194	Perfumery and cosmetics	26	327,341	17,000	13,250	23,620	273,471	33	60	52,437	191	54,378
195	Petroleum, refining	38	26,580,504	1,188,955	1,609,855	9,865,515	13,916,179	40	277	403,466	3,299	1,681,603
196	Photographic materials	14	229,605	11,400	19,500	57,700	141,005	15	24	23,276	129	53,224
197	Photography	576	1,379,604	107,647	152,485	589,243	530,229	637	129	79,936	873	363,154
198	Photolithographing and photoengraving.	17	295,250	15,000	31,000	147,100	102,150	22	43	35,479	270	169,460
199	Pickles, preserves, and sauces	40	2,981,813	226,522	559,617	209,471	1,986,203	54	762	704,652	1,730	514,591
200	Pipes, tobacco	6	150,363	10,000	13,000	34,175	93,188	7	4	3,754	229	99,077
201	Plastering and stucco work	207	862,864	54,300	69,360	197,587	541,617	253	19	13,230	868	496,073
202	Plated and britannia ware	4	67,319	20,000	5,000	24,034	18,285	4	3	2,440	43	19,318
203	Plumbers' supplies	21	3,457,043	354,800	557,157	579,952	1,965,134	19	183	200,145	1,583	854,669
204	Plumbing, and gas and steam fitting	1,552	6,092,993	631,717	907,303	666,393	3,887,580	1,854	375	244,340	5,683	3,173,035
205	Pocketbooks	6	101,550			6,864	94,686	10	10	8,810	113	34,318
206	Pottery, terra cotta, and fire-clay products.	143	11,303,786	2,080,698	3,570,302	1,386,793	4,270,993	172	468	450,905	8,872	3,007,354
207	Printing and publishing, book and job	740	14,226,342	520,071	808,694	6,143,792	6,753,785	866	990	886,971	7,190	3,357,306
208	Printing and publishing, music	13	489,288	25,000	20,000	183,142	261,146	20	38	47,840	236	94,442
209	Printing and publishing, newspapers and periodicals.	1,042	23,952,145	2,366,820	3,297,929	9,333,799	8,953,597	1,169	3,028	2,812,873	9,565	5,094,769
210	Printing materials	10	46,736			17,998	28,738	11	5	1,345	35	12,830
211	Pumps, not including steam pumps	17	113,034	33,850	34,950	14,770	29,464	21	4	3,784	27	12,964
212	Refrigerators	5	245,388	46,000	58,000	37,588	103,800	5	6	4,700	177	94,500
213	Regalia and society banners and emblems.	18	189,308	12,300	12,950	49,382	114,676	22	20	12,128	146	59,604
214	Roofing and roofing materials	455	4,829,223	1,329,709	453,176	948,658	2,097,680	571	249	177,213	4,713	2,021,593
215	Rubber and elastic goods	11	924,106	42,700	92,919	272,721	515,766	14	30	43,836	599	275,699
216	Saddlery and harness	1,039	2,678,339	275,444	431,797	258,207	1,713,391	1,098	79	57,333	1,477	633,382
217	Safes and vaults	6	753,307	22,000	39,406	199,280	442,621	3	52	55,424	370	163,669
218	Sand and emery paper and cloth	3	324,314		8,000	21,000	295,314	1	17	40,216	75	43,558
219	Sausage	20	87,825	18,300	23,900	16,680	28,445	25	1	1,000	54	24,972
220	Saws	12	4,602,089	326,051	462,234	663,619	3,150,185	15	87	93,299	1,411	734,612
221	Scales and balances	8	394,497	9,000	20,000	112,278	253,219	10	21	25,532	213	122,135

SPECIFIED INDUSTRIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
370	$138,647	453	$92,609	293	$41,438	$63,030	$300	$1,711	$38,622	$22,397	$775,641	$767,938	$7,703	$1,318,167	147
572	214,590					57,076	15,562	2,956	36,441	2,117	273,639	242,729	30,910	714,843	148
631	227,502	188	61,692	17	3,030	35,245	915	2,643	19,894	11,793	296,561	292,578	3,983	821,105	149
24	10,720	53	6,590	10	1,117	5,295	3,106	80	1,859	250	52,320	51,445	875	100,753	150
305	168,112	7	2,249	22	5,653	43,837	8,070	1,873	33,894		185,068	177,939	7,129	553,025	151
4	3,000					338	312		26		1,101	1,020	81	8,500	152
67	35,659	2	720	3	535	5,130	1,616	494	3,020		20,273	18,567	1,706	87,330	153
141	74,958					49,288	14,099	3,376	31,813		1,331,962	1,322,074	9,888	1,567,091	154
583	253,331	536	99,404	111	12,923	106,384	21,476	1,968	80,490	2,450	821,776	818,273	3,503	1,830,672	155
12,339	5,311,200	287	84,078	270	62,240	2,432,724	47,955	136,805	2,244,026	3,938	42,403,503	42,182,568	220,935	55,615,009	156
4,499	1,772,038			60	11,680	504,297	38,071	24,071	370,533	71,622	2,363,212	1,499,645	863,567	6,790,302	157
431	243,788	37	6,265	3	295	2,665,583	36,420	39,658	2,589,108	397	1,568,569	1,492,459	76,110	5,357,615	158
4,490	2,381,215	6	1,346	9	1,681	18,039,371	52,307	335,263	12,651,551	250	6,609,889	6,085,932	523,957	29,162,743	159
7	1,700					961	25	368	456	112	29,446	29,446		53,800	160
615	294,385	103	31,310	29	4,528	110,668	23,355	1,644	64,929	20,740	359,638	349,142	10,496	1,099,078	161
270	134,450	3	1,346	38	5,743	33,307	21,925	2,798	7,514	1,070	150,061	141,958	8,103	529,530	162
503	233,168	49	12,797	44	7,517	94,528	60,646	1,472	26,625	5,785	674,849	668,215	6,634	1,436,655	163
13,337	5,521,469	42	7,756	131	20,988	930,687	44,783	207,053	666,336	12,515	20,777,839	20,770,826	7,043	35,749,965	164
7,297	3,482,416	66	18,355	109	15,779	698,316	89,371	50,499	886,500	171,946	9,441,629	9,319,813	121,816	16,736,839	165
55	29,380					13,700	5,200	2,376	6,124		331,571	324,906	6,665	452,765	166
40	23,220					3,937	1,530	224	2,183		62,914	62,852	62	141,017	167
6,639	3,009,524	1	495	14	2,043	488,136	49,184	32,328	195,079	211,545	2,535,869	2,471,481	64,388	7,699,255	168
11,349	6,061,734			6	1,342	2,909,404	47,525	37,017	230,150	2,594,712	10,598,180	10,570,316	27,864	23,768,787	169
40	19,774	40	8,496	10	1,584	1,530	65	109	1,356		45,339	44,461	1,378	82,866	170
574	236,988	205	61,874	12	2,340	96,410	32,595	2,403	61,400	12	1,148,205	1,140,375	7,830	1,888,577	171
113	61,107	810	241,403	23	2,685	83,269	32,673	2,650	47,946		792,429	786,314	6,115	1,564,008	172
20	13,618	2,848	800,154	45	6,233	391,659	268,838	15,744	106,057	1,020	3,276,413	3,252,686	23,727	6,178,960	173
519	239,175	170	46,345	27	3,811	284,144	24,392	6,211	253,291	250	1,070,576	1,060,037	70,539	2,334,986	174
266	122,767	81	16,661	13	2,509	33,875	5,165	1,269	27,441		508,665	503,554	5,111	831,116	175
389	246,423	3	658	5	585	27,947	17,431	650	9,616	250	137,607	129,552	8,055	579,557	176
921	552,421			2	339	91,118	22,259	7,373	34,144	27,337	1,088,924	1,078,880	10,044	2,363,955	177
55	21,035	34	5,870	3	466	34,756	6,800	287	27,669		370,203	367,350	2,853	551,074	178
146	75,897	6	1,103			16,335	1,679	654	13,221	781	61,409	59,127	2,282	221,064	179
266	147,010	6	2,270	2	458	38,343	2,889	664	32,774	2,016	210,879	205,926	4,953	509,302	180
420	268,067			13	2,200	63,197	6,682	1,823	54,692		402,349	387,983	14,366	978,331	181
11	6,474	2	572	5	930	781	474	20	287		2,029	1,609	420	22,100	182
111	59,014					23,966		2,831	21,135		1,423,342	1,412,125	11,217	1,551,153	183
169	102,427	2	448	3	600	1,490,522	4,477	3,783	1,482,262		1,997,743	1,970,712	27,031	5,836,300	184
231	126,448	309	66,002	33	5,583	76,800	38,710	2,248	34,722	1,125	390,071	382,751	7,320	1,007,443	185
5,231	2,913,899	3	886	44	8,564	285,885	125,133	10,752	73,280	26,720	2,037,805	2,027,799	10,006	7,317,863	186
1,557	711,635	87	23,512	5	964	511,533	26,541	23,298	408,839	52,855	5,203,343	5,060,009	143,334	9,137,970	187
4,033	1,809,391	756	170,721	51	9,016	1,090,321	22,010	64,069	973,712	30,530	6,374,315	5,746,949	627,366	12,267,900	188
176	79,793	106	26,113	1	150	20,548	9,274	1,503	9,271	500	549,583	545,144	4,439	950,261	189
1,192	692,709	21	3,271	15	2,129	135,117	50,872	4,264	74,048	5,933	725,628	720,814	4,814	2,260,915	190
608	363,558	127	36,910	186	31,641	252,094	36,707	5,678	209,709		1,847,719	1,823,417	24,302	2,893,687	191
454	239,048	469	119,997	13	1,886	1,050,749	54,869	6,573	988,495	812	1,456,916	1,438,479	18,437	4,363,534	192
4,709	2,145,439			10	1,941	528,400	35,385	8,801	469,342	14,872	2,725,507	2,679,270	46,237	6,719,876	193
42	19,261	135	33,174	14	1,938	98,821	15,966	827	82,028		283,367	281,625	1,742	611,906	194
3,142	1,660,397	1	505	156	20,701	640,429	2,027	42,530	588,608	7,264	27,513,735	26,787,453	726,282	34,977,706	195
88	41,598	35	10,708	6	918	28,009	8,956	511	18,542		147,226	144,509	2,717	339,232	196
486	253,188	349	103,986	38	5,980	218,747	144,921	4,199	62,254	7,373	586,820	575,516	11,304	1,984,225	197
245	163,593	14	4,189	11	1,678	37,911	9,348	519	23,861	4,183	58,805	52,870	5,935	379,314	198
955	370,296	760	142,395	15	1,900	1,172,444	10,822	10,944	1,150,678		2,428,255	2,401,609	26,646	5,239,307	199
195	91,047	19	5,340	15	2,690	8,217	1,380	417	6,420		107,131	104,778	2,353	234,715	200
863	495,360			5	713	59,025	11,961	1,986	14,874	30,204	509,600	505,919	3,681	1,389,280	201
35	14,897	12	4,265	1	156	2,800	1,560	312	928		18,187	17,362	825	55,810	202
1,540	843,809	27	6,918	21	3,942	133,968	18,792	10,879	103,572	725	1,676,012	1,612,253	63,759	3,156,248	203
5,617	3,160,680	3	845	68	11,510	439,668	207,658	23,594	160,564	47,852	6,536,858	6,488,602	48,256	13,439,596	204
57	21,921	45	10,872	11	1,525	13,910	5,176		8,734		65,167	64,720	447	152,464	205
8,120	2,885,794	409	60,173	343	61,387	402,589	17,551	43,253	321,803	19,982	2,451,980	1,905,192	546,788	8,127,429	206
5,114	2,820,590	1,650	471,755	426	64,961	1,841,852	327,986	21,391	637,544	854,931	3,873,618	3,754,941	118,677	12,833,204	207
166	77,936	67	15,944	3	562	47,045	13,552	592	17,343	15,058	108,792	106,509	2,283	373,345	208
7,841	4,677,768	1,125	345,945	599	71,056	3,621,281	388,907	79,411	2,201,433	951,530	5,969,788	5,765,176	204,612	23,249,080	209
20	9,906	13	2,630	2	294	5,375	3,643	20	1,712		23,598	22,859	739	64,519	210
25	12,764			2	200	6,678	408	824	5,251	195	44,134	43,563	571	98,513	211
177	94,500					16,278	3,516	1,842	10,920		80,540	78,900	1,640	263,967	212
31	20,390	108	37,969	7	1,245	17,775	5,185	379	9,933	2,278	93,616	92,371	1,245	248,455	213
4,593	2,000,701	5	1,310	115	19,582	414,522	218,758	15,301	163,276	17,187	2,304,522	2,215,588	88,934	6,100,013	214
482	230,704	124	35,717	43	9,278	31,590	1,863	1,456	28,151	120	740,976	732,107	8,869	1,170,389	215
1,304	601,157	122	24,798	51	7,427	164,586	99,880	9,339	53,096	2,271	1,495,732	1,476,682	19,050	3,353,793	216
367	163,230	1	175	2	264	61,312	3,170	1,034	17,108	40,000	230,252	222,411	7,841	720,665	217
66	41,920	8	1,456	1	182	18,576	3,830	755	13,991		168,485	165,241	3,244	315,000	218
48	23,572	6	1,400			2,633	1,221	643	769		204,048	201,630	2,418	298,618	219
1,239	695,737	46	12,250	126	26,625	75,926	1,771	3,577	70,578		996,465	965,390	31,075	2,499,611	220
213	122,135					21,364	3,876	314	16,674	500	144,227	140,640	3,587	357,604	221

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
222	Sewing machine repairing	32	$29,034	$2,950	$900	$10,799	$14,385	31	1	$1,040	33	$15,092
223	Sewing machines and attachments	4	506,452	100,750	118,450	205,804	81,448	1	15	10,708	160	80,908
224	Ship and boat building, wooden	35	283,401	58,550	59,450	44,790	120,611	41	13	8,680	257	119,719
225	Shipbuilding, iron and steel	3	13,858,081	2,505,514	4,551,982	2,042,882	4,757,703	-------	148	245,221	6,820	3,425,226
226	Shirts	164	3,050,840	92,365	180,223	452,436	2,325,816	228	347	289,452	6,888	1,719,307
227	Shoddy	26	972,070	83,650	145,600	254,181	488,639	19	34	24,746	368	148,240
228	Show cases	5	90,512	13,328	21,192	11,022	45,000	8	3	1,690	73	41,300
229	Silk and silk goods	121	20,894,023	491,598	3,688,545	6,696,158	10,017,722	131	745	718,776	21,028	4,629,626
230	Silverware	4	165,600	82,000	10,000	65,000	58,600	7	10	6,412	55	38,736
231	Slaughtering and meat packing, wholesale.	68	6,009,347	700,563	1,291,502	675,700	3,341,582	101	349	289,165	1,383	733,932
232	Slaughtering, wholesale, not including meat packing.	43	539,230	64,300	149,700	52,984	272,246	57	27	27,988	286	186,258
233	Smelting and refining, not from the ore	16	864,072	66,500	101,800	81,426	614,346	18	72	49,996	213	109,827
234	Soap and candles	60	2,984,308	209,800	382,297	400,657	1,991,554	78	166	152,936	811	296,169
235	Soda water apparatus	3	589,867	-------	-------	34,464	555,403	5	35	60,960	165	78,201
236	Sporting goods	13	282,685	9,300	55,100	41,020	177,265	16	16	24,894	376	124,638
237	Springs, steel, car and carriage	8	2,668,841	184,948	182,860	400,504	1,900,534	12	56	132,822	523	328,579
238	Stamped ware	18	2,299,712	31,800	130,300	1,025,764	1,111,848	7	95	111,769	1,238	518,695
239	Stationery goods, not elsewhere specified.	13	485,430	3,300	5,900	181,141	295,089	13	17	16,910	416	122,786
240	Steam fittings and heating apparatus	37	1,780,279	122,900	194,204	336,008	1,127,167	26	145	164,473	992	479,652
241	Steam packing	22	1,822,886	48,000	207,562	645,325	921,999	31	136	184,246	655	277,658
242	Stencils and brands	8	23,875	6,500	2,500	10,650	4,225	12	-------	-------	10	4,296
243	Stereotyping and electrotyping	19	336,825	-------	-------	164,934	171,891	28	39	31,462	328	177,674
244	Sugar and molasses, refining	7	28,992,552	2,750,000	2,050,000	2,649,719	16,542,833	15	119	185,078	1,249	647,592
245	Surgical appliances	29	576,849	34,800	86,050	135,685	320,314	30	46	49,467	267	134,436
246	Taxidermy	10	18,885	7,150	3,000	745	7,990	10	-------	-------	5	1,612
247	Tin and terne plate	25	3,027,029	238,500	267,947	915,349	1,610,233	11	189	147,202	1,578	818,692
248	Tinsmithing, coppersmithing, and sheet-iron working.	1,338	6,215,346	704,136	1,037,761	1,176,587	3,296,862	1,578	348	260,383	4,679	2,296,044
249	Tobacco, chewing, smoking, and snuff	20	1,765,539	181,097	345,068	223,357	1,016,022	26	35	40,065	257	102,395
250	Tobacco, cigars and cigarettes	2,664	13,836,368	818,457	1,781,604	740,389	10,495,918	2,928	886	819,995	25,045	8,404,687
251	Tobacco, stemming and rehandling	28	616,494	7,140	54,000	4,284	551,070	34	5	8,222	181	38,660
252	Tools, not elsewhere specified	51	2,173,318	188,850	253,975	528,609	1,201,884	60	96	123,518	1,122	600,202
253	Toys and games	18	476,285	36,400	119,125	113,675	207,085	18	21	31,525	458	145,489
254	Trunks and valises	40	410,550	12,350	33,500	37,290	327,410	59	28	19,882	308	139,571
255	Typewriter repairing	3	1,530	-------	-------	750	780	4	-------	-------	2	1,326
256	Typewriters and supplies	4	416,075	5,000	20,000	86,746	304,329	4	74	67,974	328	178,947
257	Umbrellas and canes	47	1,898,856	57,750	83,147	277,644	1,480,315	73	184	198,889	2,832	884,540
258	Upholstering materials	30	2,696,332	173,200	358,775	453,888	1,710,469	48	77	92,784	1,321	440,293
259	Varnish	27	1,816,431	198,435	183,138	170,350	1,264,508	17	120	172,216	167	119,428
260	Vinegar and cider	145	376,011	42,650	71,565	168,965	92,831	161	19	10,836	119	49,563
261	Washing machines and clothes wringers.	14	494,434	25,345	78,413	81,810	308,866	16	15	32,332	358	113,757
262	Watch, clock, and jewelry repairing	1,187	1,561,602	192,663	261,610	435,749	671,580	1,260	28	12,064	921	497,239
263	Wheelbarrows	3	125,302	6,200	5,400	89,460	24,242	5	4	2,603	22	9,063
264	Whips	5	159,765	500	19,500	18,401	121,364	4	9	9,420	112	37,774
265	Window shades	23	310,018	45,700	45,600	24,515	194,203	25	30	22,928	147	61,957
266	Wire	9	762,482	98,090	161,485	255,942	246,965	6	23	26,756	274	122,422
267	Wirework, including wire rope and cable.	61	2,813,277	118,472	311,511	919,125	1,464,169	67	77	83,492	941	382,576
268	Wood, turned and carved	126	1,250,436	103,770	189,665	372,208	584,793	153	67	46,541	1,286	471,818
269	Woodenware, not elsewhere specified	21	315,634	26,862	27,820	91,214	169,738	28	26	18,549	321	115,577
270	Wool hats	13	750,798	44,500	60,500	75,375	570,423	31	17	8,845	634	255,313
271	Wool pulling	7	222,690	20,000	31,700	17,550	153,440	9	4	2,192	85	44,393
272	Woolen goods	193	19,405,505	1,051,999	2,576,460	5,612,433	10,164,613	231	353	399,570	13,721	5,091,032
273	Worsted goods	51	19,396,558	417,832	1,609,471	5,035,186	12,334,069	35	188	277,081	10,201	3,337,491
274	Zinc, smelting and refining	3	1,871,626	59,000	1,150,000	190,000	472,626	-------	9	13,669	448	174,510
275	All other industries[1]	62	13,146,231	796,011	1,515,457	2,413,716	8,421,047	51	365	476,297	5,704	2,758,188

[1] Embraces axle grease, 1; belting and hose, linen, 1; belting and hose, rubber, 1; boots and shoes, rubber, 2; brass, 1; cardboard, 1; cars, street railroad, not including operations of railroad companies, 1; clocks, 2; drug grinding, 2; engravers' materials, 2; firearms, 2; fire extinguishers, chemical, 2; fireworks, 2; fish, canning and preserving, 1; grindstones, 1; hammocks, 1; hones and whetstones, 1; hooks and eyes, 2; horseshoes, factory product, 1; mats and matting, 2;

TABLE 8.—MANUFACTURES IN CITIES

ALLEGHENY.

1	All industries	893	$50,122,503	$5,598,172	$6,295,361	$6,783,766	$31,445,204	1,040	2,027	$2,098,121	20,804	$10,352,502
2	Baskets, and rattan and willow ware	3	14,964	-------	-------	735	14,229	5	1	780	25	11,993
3	Bicycle and tricycle repairing	6	7,290	-------	3,000	965	3,325	7	-------	-------	3	1,755
4	Blacksmithing and wheelwrighting	42	79,675	9,150	14,000	11,447	45,078	53	8	2,050	70	41,774
5	Boots and shoes, custom work and repairing.	63	24,903	2,250	4,500	3,647	14,506	64	-------	-------	10	3,329
6	Bottling	13	104,580	11,700	32,300	14,360	46,170	15	5	2,136	46	27,412

SPECIFIED INDUSTRIES: 1900—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
29	$14,532	4	$1,460			$5,990	$5,043	$65	$882		$19,061	$18,180	$881	$61,578	222
157	79,348	3	1,560			21,287	1,020	1,803	18,414		96,308	93,211	3,097	210,146	223
252	118,619	1	250	4	$850	38,628	3,223	2,251	3,537	$29,617	176,498	174,126	2,372	407,763	224
6,347	3,323,216			473	102,010	591,535	2,500	23,925	286,774	278,336	6,996,703	6,903,441	93,262	14,085,395	225
780	378,176	5,718	1,288,328	390	52,803	371,943	94,098	3,749	128,158	145,938	3,248,666	3,209,772	38,894	6,836,928	226
285	126,604	80	21,064	3	572	57,728	11,023	3,513	40,667	2,525	1,069,944	1,052,210	17,734	1,448,886	227
73	41,300					6,893	4,256	521	2,116		38,850	37,460	1,390	123,798	228
5,214	1,718,587	11,565	2,363,123	4,249	547,916	2,451,820	96,547	36,330	610,872	1,708,071	19,884,869	19,710,481	174,388	31,072,926	229
54	38,586			1	150	3,810	1,110	737	1,963		53,033	52,083	950	178,550	230
1,364	728,961	12	3,395	7	1,576	372,368	34,842	26,167	309,074	2,285	15,128,096	15,049,815	78,281	17,826,697	231
282	185,506	1	500	3	252	154,604	96,528	3,234	54,847		6,473,714	6,459,644	14,070	7,412,075	232
212	109,491			1	336	60,790	4,541	2,109	51,820	2,320	2,063,613	2,041,818	21,795	2,519,724	233
530	239,365	234	49,584	47	7,220	482,521	16,518	7,717	458,286		2,093,138	2,064,901	28,237	3,613,249	234
163	77,684	2	520			52,409	9,220	1,574	41,615		181,600	179,803	1,797	454,102	235
178	76,816	176	44,384	22	3,438	9,801	3,289	666	5,846		206,963	204,980	1,983	502,497	236
523	328,579					180,482	13,686	6,186	160,610		1,359,690	1,304,888	54,802	2,535,383	237
951	392,422	260	120,889	27	5,384	74,576	10,904	5,240	57,582	850	1,189,411	1,036,197	153,214	2,274,848	238
232	82,828	141	35,390	43	4,568	69,374	9,055	50	60,169	100	341,424	338,391	3,033	631,534	239
962	472,073	15	4,056	15	3,523	141,281	20,606	4,962	115,713		1,001,024	982,461	18,563	2,143,907	240
564	256,707	81	19,391	10	1,560	146,544	13,664	2,348	122,862	7,670	830,378	805,436	24,942	1,853,481	241
10	4,296					1,770	1,422	166	182		5,762	5,700	62	31,217	242
367	173,358	1	500	20	3,816	31,203	15,796	26	14,571	810	144,772	136,398	8,374	517,369	243
1,171	635,231	60	8,911	18	3,450	604,871	11,600	25,693	564,578	3,000	33,658,440	33,414,459	243,981	36,163,817	244
166	104,665	92	27,359	9	1,412	58,183	9,690	1,788	33,705	13,000	182,068	178,918	3,150	575,383	245
5	1,612					1,323	932	130	261		5,234	5,203	31	17,010	246
1,284	736,818	288	75,760	6	1,114	82,169	1,175	11,202	69,792		10,364,084	10,323,583	40,501	12,530,991	247
4,454	2,250,145	79	19,921	146	25,978	451,607	162,718	25,795	237,673	25,421	4,366,702	4,313,213	53,489	9,455,832	248
107	58,208	148	43,918	2	269	451,243	2,051	5,772	443,420		423,245	419,155	4,090	1,247,397	249
13,660	5,605,101	10,085	2,631,713	1,300	167,873	6,448,701	223,811	34,963	6,181,967	2,927	11,570,888	11,505,930	64,958	31,483,141	250
94	24,141	60	12,085	27	2,440	11,742	1,295	638	9,809		502,783	502,204	529	625,394	251
1,084	591,953	13	2,500	25	5,749	68,627	15,142	9,527	43,908	50	1,061,493	1,005,212	56,281	2,528,777	252
249	105,744	80	21,805	129	17,940	37,623	2,456	1,227	32,230	1,710	152,530	148,176	4,354	435,225	253
277	131,813	20	5,831	11	1,927	51,056	18,381	675	25,500	6,500	274,194	272,340	1,854	622,698	254
2	1,326					413	388		25		2,312	2,265	47	7,265	255
326	178,647	2	300			50,172	5,915	951	43,306		75,417	74,120	1,297	443,069	256
1,602	430,459	1,610	414,550	220	39,531	258,589	42,465	2,747	213,302	75	3,445,131	3,423,800	21,331	5,873,878	257
481	221,732	762	205,973	78	12,588	138,554	18,440	6,415	109,755	3,944	1,828,380	1,807,040	21,340	2,881,818	258
165	119,088	1	240	1	100	201,497	4,054	5,474	134,477	57,492	1,391,371	1,381,497	9,874	2,161,495	259
118	49,394			1	169	14,805	3,485	1,311	10,009		268,805	260,036	8,769	490,877	260
295	104,521			58	9,236	20,278	802	822	17,504	1,150	437,161	433,556	3,605	634,443	261
845	433,264	19	5,942	57	8,033	209,434	137,515	7,429	40,676	23,814	474,052	459,606	14,446	2,134,421	262
22	9,063					855	125	176	554		35,533	35,263	270	60,445	263
85	32,136	15	3,300	12	2,248	22,290	1,092	65	21,133		60,828	60,180	648	141,175	264
126	54,977	18	6,414	3	566	18,622	4,094	1,538	12,790	200	190,551	189,333	1,218	375,066	265
246	117,512	13	2,250	15	2,660	8,003	1,050	1,422	5,531		378,452	360,480	17,972	607,415	266
754	341,947	136	35,006	51	5,623	90,809	10,137	5,321	74,576	775	1,441,011	1,421,245	20,666	2,280,474	267
1,141	446,005	77	15,358	68	10,455	58,575	15,412	3,380	38,508	1,275	590,994	577,389	13,605	1,467,600	268
225	98,067	65	13,388	31	4,122	28,868	5,846	650	22,372		166,166	163,402	2,764	409,378	269
366	178,238	195	66,932	73	10,143	19,501	4,700	2,316	12,485		663,468	648,719	14,749	1,106,076	270
35	44,393					7,328	2,580	840	3,908		9,231	6,321	2,910	96,314	271
7,588	3,395,619	4,967	1,575,655	1,166	210,658	1,444,778	117,422	43,379	1,014,310	269,667	15,874,544	15,595,418	279,126	25,389,344	272
3,776	1,708,640	4,596	1,309,610	1,829	319,241	1,686,689	116,028	20,749	1,133,745	416,172	14,737,134	14,553,128	184,006	22,109,392	273
448	174,510					4,869		1,935	2,934		896,192	829,601	66,591	1,521,307	274
4,276	2,373,245	1,167	338,982	261	45,961	701,834	43,393	15,734	630,452	12,315	7,515,710	7,355,803	159,907	13,057,452	275

millstones, 1; nets and seines, 1; oil, essential, 2; oil, lard, 1; oilcloth, enameled, 1; oilcloth, floor, 2; oleomargarine, 1; pens, fountain and stylographic, 2; pens, steel, 1; phonographs and graphophones, 2; photographic apparatus, 2; salt, 1; screws, machine, 2; silversmithing, 2; starch, 1; tinfoil, 2; type founding, 2; vault lights and ventilators, 1; watch and clock materials, 1; watch cases, 2; watches, 1; wood, preserving, 1; wool scouring, 1.

BY SPECIFIED INDUSTRIES: 1900.

ALLEGHENY.

17,820	$9,753,687	2,467	$498,848	517	$99,967	$5,120,269	$204,342	$179,698	$3,781,492	$954,737	$29,478,781	$28,516,193	$962,588	$54,136,967	1
24	11,435	1	468			1,297	1,114	46	137		15,228	15,196	32	36,884	2
3	1,755					991	731	38	222		3,359	3,267	92	11,619	3
70	41,774					8,321	5,896	954	1,156	315	35,496	33,907	1,589	150,258	4
9	3,225			1	104	5,068	4,304	261	503		15,658	15,049	609	55,991	5
45	26,892	1	520			11,347	2,500	3,548	5,299		147,320	146,322	998	254,020	6

TABLE 8.—MANUFACTURES IN CITIES

ALLEGHENY—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
7	Boxes, wooden packing	3	$24,043	$12,000	$5,000	$3,548	$3,495	3	2	$498	10	$3,719
8	Bread and other bakery products	42	342,431	76,800	119,025	60,071	36,535	44	35	23,159	207	85,499
9	Brooms and brushes	4	76,540	950	925	5,798	68,867	4	3	3,200	46	14,805
10	Carpentering	52	490,505	52,000	48,175	49,044	341,286	66	19	16,311	503	321,141
11	Carriages and wagons	19	142,977	41,600	30,250	20,259	50,868	26	1	700	70	42,427
12	Cars and general shop construction and repairs by steam railroad companies.	4	1,213,619	770,000	129,300	92,702	221,617	-------	68	57,716	1,202	701,331
13	Clothing, men's, custom work and repairing.	50	168,723	4,900	42,400	6,842	114,581	59	3	1,878	203	102,700
14	Clothing, women's, dressmaking	46	67,709	2,500	2,500	7,611	55,098	54	14	18,480	172	55,421
15	Confectionery	11	270,150	25,000	71,000	37,300	136,850	17	27	23,708	238	75,130
16	Dyeing and cleaning	3	25,460	4,000	6,000	5,140	10,320	3	3	1,194	33	15,385
17	Foundry and machine shop products	35	6,557,760	730,458	871,533	1,834,137	3,121,632	34	231	211,180	2,935	1,670,132
18	Furniture, cabinetmaking, repairing, and upholstering.	9	12,020	----------	----------	1,768	10,252	9	2	200	11	4,430
19	Furniture, factory product	3	32,547	----------	5,500	1,150	25,897	7	3	2,247	39	21,823
20	Glass, cutting, staining, and ornamenting.	3	11,885	----------	----------	2,115	9,770	4	1	800	15	9,348
21	Hardware	3	356,025	20,000	50,000	52,000	234,025	4	8	13,500	251	63,516
22	Ice, manufactured	4	546,500	123,000	83,500	320,000	20,000	5	8	10,200	70	43,773
23	Iron and steel	6	3,382,800	428,045	418,043	868,194	1,673,518	-------	83	108,186	2,322	1,413,491
24	Ironwork, architectural and ornamental.	4	122,950	35,100	17,500	29,538	40,812	5	7	3,972	99	42,941
25	Leather, tanned, curried, and finished	9	2,189,995	217,717	320,195	181,279	1,470,804	8	33	51,609	430	185,940
26	Liquors, malt	4	3,412,689	472,888	519,171	582,759	1,837,871	-------	30	48,458	150	91,980
27	Lock and gun smithing	6	4,740	----------	1,000	2,055	1,685	6	-------	----------	1	156
28	Looking-glass and picture frames	5	74,258	2,000	3,000	1,140	68,118	8	11	7,000	47	13,073
29	Lumber, planing mill products, including sash, doors, and blinds.	9	272,117	39,000	34,900	52,967	145,250	17	7	6,117	143	36,483
30	Marble and stone work	5	335,174	101,500	17,586	49,260	166,828	5	15	18,865	354	143,694
31	Masonry, brick and stone	24	544,628	72,850	20,968	46,290	404,520	36	20	45,514	1,017	493,077
32	Mattresses and spring beds	4	99,363	----------	----------	11,788	87,575	4	17	15,656	119	40,543
33	Millinery, custom work	18	96,392	7,200	25,800	7,360	56,032	23	34	8,670	96	23,728
34	Mineral and soda waters	4	16,100	3,000	1,200	5,000	6,900	5	-------	----------	15	6,136
35	Monuments and tombstones	8	82,864	21,000	5,500	23,159	33,205	8	2	1,548	52	30,979
36	Painting, house, sign, etc	48	112,540	9,250	6,770	9,854	86,666	56	6	3,524	291	145,477
37	Paints	3	306,245	37,000	49,006	33,915	186,324	3	20	19,350	48	17,890
38	Paper hanging	3	3,260	300	500	170	2,290	4	-------	----------	7	3,702
39	Photography	10	13,627	----------	----------	9,210	4,417	11	-------	----------	12	5,404
40	Pickles, preserves, and sauces	5	2,472,552	178,450	451,000	114,072	1,729,030	6	699	672,156	1,444	409,120
41	Plastering and stuccowork	9	41,963	7,950	6,100	4,154	23,759	12	1	1,350	42	32,747
42	Plumbing, and gas and steam fitting	48	282,994	27,750	44,457	19,610	191,177	58	25	19,139	228	152,205
43	Printing and publishing, book and job	16	79,566	----------	----------	59,844	19,722	20	7	4,728	87	40,394
44	Roofing and roofing materials	20	228,101	33,000	37,900	42,340	114,861	23	10	9,254	93	54,305
45	Saddlery and harness	10	29,388	2,500	5,300	1,080	20,508	10	-------	----------	13	7,326
46	Slaughtering and meat packing, wholesale.	8	1,497,666	238,400	477,276	141,236	640,754	13	52	57,800	438	233,028
47	Soap and candles	4	228,503	12,100	35,269	24,113	157,021	6	20	20,573	40	19,726
48	Tinsmithing, coppersmithing, and sheet-iron working.	15	226,938	26,500	51,981	44,605	103,852	21	10	8,360	165	84,377
49	Tobacco, cigars and cigarettes	54	333,523	43,964	71,421	41,481	176,657	56	18	13,753	734	156,669
50	Varnish	3	81,834	----------	7,462	6,542	67,830	3	19	27,688	11	9,535
51	Watch, clock, and jewelry repairing	20	34,097	1,500	5,420	7,240	19,937	20	-------	----------	24	12,827
52	All other industries [1]	93	22,945,380	1,697,900	2,141,728	1,832,872	17,272,880	110	444	535,414	6,123	3,138,696

[1] Embraces agricultural implements, 1; ammunition, 1; awnings, tents, and sails, 2; axle grease, 1; bookbinding and blank book making, 2; boxes, cigar, 2; boxes, fancy and paper, 1; brass castings and brass finishing, 1; brick and tile, 2; bronze castings, 1; carpets, rag, 2; cars and general shop construction and repairs by street railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 1; chemicals, 1; china decorating, 1; clothing, women's, factory product, 2; coffins, burial cases, and undertakers' goods, 1; cooperage, 2; electrical apparatus and supplies, 2; electrical construction and repairs, 2; electroplating, 1; felt goods, 1; flavoring extracts, 1; flouring and grist mill products, 1; food preparations, 2; galvanizing, 1; gas and lamp fixtures, 1; gas and oil stoves, 2; glass, 1; grease and tallow, 1; hairwork, 2; hardware, saddlery, 1; instruments, professional and scientific, 1; iron and steel, bolts, nuts,

ALLENTOWN.

1	All industries	491	$11,996,971	$819,039	$2,328,729	$3,155,260	$5,693,943	617	390	$325,762	8,447	$3,150,970
2	Bicycle and tricycle repairing	9	9,600	200	200	7,150	2,050	20	2	928	6	2,726
3	Blacksmithing and wheelwrighting	14	34,447	14,400	10,055	3,825	6,167	18	1	208	26	13,717
4	Boots and shoes, custom work and repairing.	26	5,645	1,100	1,827	1,695	1,023	31	-------	----------	6	2,017
5	Boots and shoes, factory product	9	649,410	75,450	98,749	101,601	373,610	14	38	25,301	663	210,372
6	Bread and other bakery products	24	148,714	22,224	85,980	18,625	21,885	29	17	7,598	102	39,238
7	Brick and tile	5	118,326	32,400	38,900	16,200	30,826	9	2	1,000	95	29,357
8	Brooms and brushes	4	9,800	950	3,050	1,250	4,550	4	1	306	22	7,568
9	Carpentering	16	89,337	4,260	2,137	2,915	80,025	21	-------	----------	196	122,015
10	Carriages and wagons	7	63,500	21,900	22,425	3,250	15,925	10	-------	----------	34	16,945
11	Clothing, men's, custom work and repairing.	13	24,030	----------	----------	1,595	22,435	19	-------	----------	35	15,394

BY SPECIFIED INDUSTRIES: 1900—Continued.

ALLEGHENY—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
10	$3,719					$1,334	$390	$300	$644		$33,972	$33,644	$328	$45,613	7
147	73,737	56	$10,872	4	$890	20,107	8,826	3,699	7,582		287,836	277,979	9,857	502,184	8
20	10,074	25	4,511	1	220	11,908	1,380	22	6,045	$4,461	56,490	56,126	364	100,023	9
500	320,015	1	520	2	606	853,664	7,432	2,744	12,954	830,534	456,205	453,930	2,275	1,866,970	10
68	42,159			2	268	9,501	3,993	1,637	2,399	1,472	43,788	41,972	1,816	147,599	11
1,190	697,586	7	2,202	5	1,543	45,120		12,273	32,847		372,164	360,989	11,175	1,176,331	12
130	77,977	68	23,905	5	818	18,379	13,283	1,412	2,554	1,130	122,712	121,288	1,424	321,720	13
6	5,125	164	49,966	2	330	10,932	8,483	173	2,226	50	49,684	48,747	937	182,445	14
89	44,778	143	29,426	6	926	15,770	3,130	2,002	10,638		404,205	400,636	3,569	594,359	15
17	10,813	16	4,572			3,481	360	236	2,885		12,660	11,705	955	42,060	16
2,879	1,656,036			56	14,096	302,329	16,868	25,486	259,395	580	3,018,049	2,930,383	87,666	5,662,507	17
9	4,020	1	260	1	150	2,099	1,524	7	568		9,242	8,883	359	23,719	18
39	21,823					3,665	1,015	192	2,428		61,817	61,617	200	107,833	19
15	9,348					2,140	970	32	840	298	6,629	6,373	256	26,508	20
91	41,916	100	14,600	60	7,000	3,710	1,100	1,720	890		195,658	193,780	1,878	355,810	21
70	43,773					13,837	2,400	2,163	9,274		15,380	4,585	10,795	111,212	22
2,301	1,409,908			21	3,583	369,956	1,300	12,789	353,167	2,700	4,196,922	3,693,977	502,945	7,985,673	23
97	42,523			2	418	11,555	622	1,371	9,562		87,781	84,106	3,678	162,792	24
418	183,742	8	1,338	4	860	90,674		8,180	82,494		1,137,677	1,128,173	9,504	1,582,886	25
150	91,980					530,122		21,777	508,345		336,705	319,716	16,989	1,253,205	26
				1	156	895	714	13	168		2,641	2,589	52	8,885	27
95	11,500	6	918	6	655	5,862	3,300	134	2,428		75,966	75,853	113	186,760	28
143	86,483					20,291	4,230	1,717	14,344		197,547	193,418	4,129	376,444	29
353	143,460			1	234	25,433	1,772	1,746	8,008	13,907	148,155	145,673	2,482	385,272	30
1,017	433,077					112,261	3,163	1,663	19,455	87,980	407,249	404,295	2,954	1,234,559	31
84	30,166	33	10,177	2	300	9,088	5,130	103	3,855		173,244	172,432	812	254,346	32
1	208	91	22,690	4	830	18,980	15,041	602	3,337		109,567	108,054	1,513	185,597	33
14	5,980			1	156	1,288	768	83	437		5,789	5,390	399	26,165	34
52	30,979					5,628	880	891	3,857		29,620	29,016	604	81,485	35
284	144,069			7	1,408	8,030	3,863	555	3,612		95,513	95,099	414	335,059	36
44	17,020	2	400	2	470	18,755	1,000	1,755	16,000		245,500	243,870	1,630	348,300	37
7	3,702					228	143	33	52		3,492	3,492		10,157	38
9	4,708	3	696			4,362	3,875	45	442		7,366	7,134	232	29,704	39
766	290,335	666	116,985	12	1,800	1,130,523	1,580	9,193	1,119,750		1,932,242	1,912,220	20,022	4,429,382	40
42	32,747					4,031	456	301	3,274		88,870	88,254	625	154,672	41
223	151,229			5	976	19,298	10,194	1,621	7,383	100	217,000	215,634	1,366	503,338	42
62	33,391	17	5,528	8	1,475	10,800	6,580	107	3,199	914	42,482	41,658	824	129,289	43
91	53,905			2	400	18,657	2,219	2,052	12,099	2,287	198,746	195,908	2,838	338,118	44
13	7,326					2,373	2,008	129	236		15,153	14,925	228	36,434	45
426	229,648	7	2,080	5	1,300	111,546	1,340	11,376	96,545	2,285	3,338,805	3,319,446	19,359	3,996,807	46
35	18,842	1	156	4	728	18,372	409	1,501	16,462		146,617	145,036	1,581	245,280	47
164	84,169			1	208	11,463	1,689	2,055	7,719		171,644	169,426	2,218	325,647	48
112	51,040	525	92,705	97	12,924	272,990	5,097	2,197	265,696		166,923	164,847	2,076	690,210	49
11	9,535					39,872	1,135	290	38,447		167,035	166,258	777	278,797	50
21	12,489			3	338	4,826	3,728	260	538	300	4,551	4,137	414	37,164	51
5,414	2,991,546	525	103,353	184	43,797	897,110	36,377	36,214	819,095	5,424	10,364,415	10,139,779	224,636	16,799,430	52

washers, and rivets, 2; iron and steel, forgings, 2; kaolin and other earth grinding, 1; lamps and reflectors, 1; lead, bar, pipe, and sheet, 1; lime and cement, 2; lumber and timber products, 2; malt, 1; mirrors, 1; models and patterns, 2; mucilage and paste, 2; musical instruments and materials, not specified, 1; oil, linseed, 1; patent medicines and compounds, 2; paving and paving materials, 2; perfumery and cosmetics, 1; petroleum, refining, 1; plumbers' supplies, 2; pottery, terra cotta, and fire-clay products, 1; printing and publishing, newspapers and periodicals, 1; pumps, not including steam pumps, 1; salt, 1; sausage, 1; ship and boat building, wooden, 2; springs, steel, car and carriage, 1; stamped ware, 1; tin and terne plate, 1; tools, not elsewhere specified, 2; trunks and valises, 2; vinegar and cider, 1; washing machines and clothes wringers, 1; wire, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 1; wool pulling, 2.

ALLENTOWN.

5,251	$2,479,054	2,574	$598,527	622	$73,389	$1,310,643	$79,022	$28,480	$838,971	$364,170	$9,846,047	$9,435,081	$410,966	$16,947,722	1
5	2,676			1	50	1,227	966	28	233		6,241	5,970	271	16,462	2
26	13,717					819	491	161	177	50	16,272	15,593	679	52,984	3
6	2,017					1,365	1,227	42	96		6,935	6,810	125	22,571	4
378	140,127	206	59,015	79	11,230	18,728	895	3,102	14,625	166	585,998	582,981	3,017	900,976	5
88	36,942	7	1,406	7	890	5,362	2,415	994	1,953		118,931	115,125	3,806	232,229	6
90	28,571			5	786	6,794	3,200	792	2,802		14,798	6,412	8,386	75,714	7
22	7,568					675	86	35	554		7,616	7,576	40	24,325	8
196	122,015					28,857	210	154	2,593	25,900	204,339	204,179	160	484,322	9
34	16,945					2,231	60	279	1,592	300	14,898	14,315	583	51,397	10
26	13,394	9	2,000			3,694	2,818		876		39,900	39,568	332	72,414	11

TABLE 8.—MANUFACTURES IN CITIES

ALLENTOWN—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
12	Clothing, men's, factory product	6	$203,625	$32,000	$42,000	$7,795	$121,830	12	20	$9,714	207	$78,085
13	Clothing, women's, dressmaking	30	16,277	3,450	5,650	2,635	4,542	32			68	16,644
14	Confectionery	7	17,942	500	1,000	6,860	9,582	9	3	734	28	11,805
15	Foundry and machine shop products	13	878,895	65,282	106,820	198,270	508,523	22	29	24,596	616	328,232
16	Furniture, factory product	6	402,458	39,468	67,500	36,603	258,887	7	35	32,506	398	156,970
17	Hosiery and knit goods	5	102,600	100	500	53,900	48,100	8	12	14,920	255	57,073
18	Iron and steel	5	3,147,958	160,000	725,000	775,757	1,487,201		25	82,652	1,129	615,403
19	Leather, tanned, curried, and finished	3	132,088	2,000	3,000	3,700	123,388	7	1	310	21	9,280
20	Liquors, malt	4	632,936	90,500	219,315	176,684	146,437	5	10	20,652	47	32,688
21	Looking-glass and picture frames	4	2,065			390	1,675	8	1	566	5	2,174
22	Lumber, planing mill products, including sash, doors, and blinds.	7	157,206	12,786	25,545	48,753	70,122	12	4	2,001	102	46,473
23	Masonry, brick and stone	13	112,669	12,700	7,750	11,495	80,724	18	1	500	360	167,431
24	Millinery, custom work	29	41,067	2,800	3,600	1,604	33,063	35	10	3,874	61	17,759
25	Monuments and tombstones	6	13,892	1,000	200	875	11,817	6			8	4,175
26	Painting, house, sign, etc	37	19,971	3,780	2,870	4,006	9,315	45			82	43,519
27	Paper hanging	7	15,460	3,300	5,700	850	5,610	7			13	7,064
28	Paving and paving materials	3	52,020		600	15,820	35,600	2	4	3,720	31	14,141
29	Photography	9	21,235	3,450	6,700	7,500	3,585	10			9	3,682
30	Plastering and stucco work	4	2,054	200	30	105	1,719	9			18	9,596
31	Plumbing, and gas and steam fitting	14	75,246	4,000	11,000	6,000	54,246	22	4	1,329	47	21,061
32	Printing and publishing, book and job	8	66,048	6,000	5,624	32,536	21,888	11	3	1,118	30	11,303
33	Printing and publishing, newspapers and periodicals.	9	250,600	20,000	81,000	103,600	46,000	13	2	1,700	81	41,052
34	Roofing and roofing materials	4	13,122	4,000	1,000	2,012	6,110	6	1	416	19	8,063
35	Saddlery and harness	5	26,595	10,000	7,000	2,170	7,425	6	4	2,194	15	8,324
36	Silk and silk goods	7	2,149,130	54,400	471,855	697,558	925,317	4	65	67,616	2,380	607,247
37	Tinsmithing, coppersmithing, and sheet-iron working.	13	88,930	8,700	11,800	29,050	39,380	17	8	4,282	52	24,752
38	Tobacco, cigars and cigarettes	48	195,806	8,400	18,740	10,468	158,198	47	20	15,242	308	95,900
39	Watch, clock, and jewelry repairing	8	7,600			3,550	4,050	8	1	260	8	4,210
40	All other industries[1]	50	1,998,667	97,339	233,607	756,608	911,113	54	66	49,519	864	247,507

[1] Embraces awnings, tents, and sails, 1; bookbinding and blank book making, 2; boot and shoe uppers, 1; bottling, 1; boxes, cigar, 2; boxes, fancy and paper, 1; brass castings and brass finishing, 2; carpets, rag, 1; cars and general shop construction and repairs by steam railroad companies, 1; china decorating, 2; clothing, women's, factory product, 1; coffins, burial cases, and undertakers' goods, 1; cooperage, 2; cutlery and edge tools, 1; druggists' preparations, not including prescriptions, 1; dyeing and cleaning, 2; electrical construction and repairs, 2; electroplating, 1; flouring and grist mill products, 1; furniture, cabinet-

ALTOONA.

1	All industries	230	$8,108,819	$506,098	$1,751,119	$2,682,558	$3,169,044	267	380	$266,527	8,090	$4,619,828
2	Blacksmithing and wheelwrighting	12	9,250	3,175	1,475	1,425	3,175	13			9	3,955
3	Boots and shoes, custom work and repairing.	23	6,500	700	575	2,090	3,135	25			12	4,500
4	Bread and other bakery products	11	20,470	3,200	4,500	6,825	6,445	12	6	2,494	40	16,756
5	Carpentering	6	104,500	2,100	1,650	2,100	98,650	9	3	3,000	66	42,500
6	Carriages and wagons	5	11,545	4,000	3,600	1,040	2,805	7			8	4,520
7	Cars and general shop construction and repairs by steam railroad companies.	3	5,153,590	257,500	1,181,300	1,561,006	2,153,784		244	169,569	6,500	4,016,877
8	Clothing, men's, custom work and repairing.	24	50,620	12,000	2,000	3,935	32,685	25			33	30,212
9	Confectionery	7	44,600	7,000	8,800	13,300	15,500	8	6	3,048	35	9,786
10	Flouring and grist mill products	3	20,900	600	4,500	6,900	8,900	3			6	2,700
11	Liquors, malt	3	288,000	41,000	65,000	75,000	107,000	5	6	5,800	31	16,700
12	Lock and gun smithing	3	560			460	100	3			1	100
13	Lumber, planing mill products, including sash, doors, and blinds.	7	158,075	39,700	18,700	35,125	64,550	7	5	2,604	98	52,108
14	Millinery, custom work	8	38,900	4,000	2,800	3,800	28,300	8	2	1,200	50	14,300
15	Painting, house, sign, etc	15	31,425	4,400	4,150	5,275	17,600	16	5	1,746	61	32,573
16	Paper hanging	3	9,160			135	9,025	3			10	5,275
17	Paving and paving materials	5	6,350			2,550	3,800	5			16	6,700
18	Photography	5	10,850	5,000	1,000	3,900	950	5	1	195	4	996
19	Plumbing, and gas and steam fitting	19	47,865	5,950	15,175	4,090	22,650	24	2	780	40	18,535
20	Printing and publishing, newspapers and periodicals.	6	132,700	15,800	9,400	86,500	21,500	7	12	10,536	136	58,272
21	Roofing and roofing materials	5	10,920	250	650	1,720	8,300	4	2	1,050	17	6,796
22	Saddlery and harness	4	14,910	5,500	4,500	850	4,060	5			5	2,640
23	Tinsmithing, coppersmithing, and sheet-iron working.	7	24,350	4,700	5,700	4,300	9,650	8	3	1,892	22	9,384
24	Tobacco, cigars and cigarettes	3	10,250			1,150	9,100	3	3	1,700	32	8,935
25	Watch, clock, and jewelry repairing	11	5,985	400	800	3,125	1,660	16			4	3,450
26	All other industries[1]	32	1,896,544	89,623	414,844	855,857	536,220	46	80	61,918	804	251,258

[1] Embraces bicycle and tricycle repairing, 2; brick and tile, 1; brooms and brushes, 1; carpets, rag, 2; china decorating, 1; clothing, men's, factory product, 1; coffins, burial cases, and undertakers' goods, 1; cooperage, 1; dyeing and cleaning, 1; electrical construction and repairs, 1; foundry and machine shop products, 2; furniture, cabinetmaking, repairing, and upholstering, 1; furniture, factory product, 1; gas, illuminating and heating, 1; glass, 1; ice, manufactured, 2; looking-

BY SPECIFIED INDUSTRIES: 1900—Continued.

ALLENTOWN—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
90	$45,883	114	$31,875	3	$327	$14,697	$5,600		$9,097		$270,197	$268,296	$1,901	$456,290	12
1	336	67	16,308			3,115	2,217	$389	809		2,777	2,369	408	45,055	13
17	8,205	11	3,600			1,652	1,235	12	405		87,665	86,965	700	60,629	14
616	328,232					21,333	4,871	1,243	15,219		630,681	612,478	18,203	1,242,589	15
369	151,999	10	1,841	19	3,180	22,659	700	1,227	20,732		147,022	144,201	2,821	398,607	16
28	10,342	198	43,290	29	3,446	7,699	2,200	121	5,378		189,075	187,462	1,613	325,847	17
1,129	615,403					441,633	6,724	3,176	431,733		2,955,300	2,627,430	327,870	4,443,782	18
21	9,280					3,040	800	395	2,345		90,908	90,571	337	110,850	19
47	32,688					113,804		6,291	107,513		87,175	82,158	5,017	310,725	20
5	2,174					411	360		51		2,911	2,841	70	8,145	21
101	46,317			1	156	5,826	402	531	4,893		92,155	89,180	2,975	188,653	22
360	167,431					13,825	235	190	6,854	$6,546	270,429	270,074	355	568,400	23
		59	17,524	2	235	11,043	9,174	80	1,789		69,850	69,042	808	141,162	24
8	4,175					326	221	11	94		7,837	7,789	48	17,766	25
82	48,519					913	610	110	193		14,158	14,050	108	108,280	26
13	7,064					439	268	81	90		9,838	9,741	97	24,404	27
31	14,144					289	74	191	24		9,595	9,575	20	20,374	28
6	2,766	3	916			2,383	1,356	140	887		6,998	6,896	102	23,773	29
18	9,596					13	5	3	5		2,463	2,463		20,186	30
47	21,061					4,144	2,139	253	1,702	50	75,695	75,331	364	130,270	31
24	10,153	3	588	3	562	5,116	1,593	112	3,411		15,195	14,188	1,007	44,885	32
79	40,658	1	260	1	134	17,548	2,552	771	12,825	1,400	28,419	26,767	1,652	129,234	33
19	8,063					1,197	422	75	700		25,073	24,985	88	42,500	34
15	8,324					2,996	1,444	204	1,348		10,392	10,283	109	29,670	35
655	254,041	1,405	316,722	320	36,484	372,061	5,150	4,212	34,908	327,791	2,007,977	1,995,664	12,313	3,467,792	36
52	24,752					4,256	2,540	204	1,512		38,264	37,730	534	110,012	37
142	58,980	163	36,446	3	474	69,212	6,450	357	62,405		234,027	232,963	1,064	464,348	38
8	4,210					849	741		108		2,052	1,976	76	11,400	39
397	165,286	318	66,736	149	15,485	98,412	7,191	2,814	86,440	1,967	1,495,991	1,483,084	12,907	2,114,200	40

making, repairing, and upholstering, 1; gas, illuminating and heating, 1; grease and tallow, 1; hats and caps, not including fur hats and wool hats, 1; ice, manufactured, 1; iron and steel, pipe, wrought, 1; ironwork, architectural and ornamental, 2; jute and jute goods, 1; kaolin and other earth grinding, 1; lime and cement, 1; lock and gun smithing, 1; marble and stone work, 2; mattresses and spring beds, 1; paints, 2; pottery, terra cotta, and fire-clay products, 2; shirts, 1; slaughtering and meat packing, wholesale, 2; tools, not elsewhere specified, 1; window shades, 1.

ALTOONA.

7,458	$4,494,347	432	$95,013	200	$30,468	$350,501	$39,385	$10,887	$242,741	$57,488	$8,376,488	$8,182,520	$193,968	$14,250,656	1
9	3,955					1,044	658	74	312		5,549	5,144	405	21,715	2
12	4,500					2,186	1,704	20	412	50	10,974	10,754	220	32,699	3
36	16,310	1	100	3	346	4,153	2,770	115	1,268		49,236	47,869	1,367	97,608	4
56	42,500					29,192	122	137	933	28,000	142,066	142,036	30	289,548	5
8	4,520					910	700	35	175		4,634	4,489	145	16,398	6
6,470	4,009,674	8	3,831	22	3,372	83,134		2,400	80,734		6,216,222	6,070,486	145,736	10,485,802	7
38	20,620	45	9,592			7,239	4,478	225	2,163	373	52,149	51,223	926	121,926	8
15	6,760	14	2,482	6	544	6,153	4,168	245	1,740		19,916	19,240	675	48,350	9
6	2,700					1,980	650	210	220		24,980	24,380	600	32,035	10
31	16,700					80,516	2,200	600	77,716		57,000	51,600	5,400	135,550	11
				1	100	757	720		37		435	435		2,400	12
92	51,250			6	358	12,994	754	1,074	3,166	8,000	188,803	186,283	2,520	234,358	13
		48	14,108	2	192	4,167	2,760	100	1,307		61,812	61,520	292	94,380	14
60	32,477	1	96			2,545	1,378	94	1,073		36,410	36,320	90	94,730	15
10	5,275					1,808	1,260		548		6,148	6,078	70	17,375	16
16	6,700					625	180		95	350	7,799	7,789	10	19,350	17
2	600	2	396			1,076	856	50	170		2,831	2,831		10,525	18
40	18,535					4,172	1,967	199	901	1,105	46,181	45,797	384	94,185	19
127	56,584	4	1,068	5	620	8,303	1,596	743	5,554	410	32,567	30,239	2,328	143,552	20
16	6,700			1	96	641	276	32	333		13,913	13,796	117	28,050	21
5	2,640					417	192	115	110		3,834	3,675	159	10,199	22
17	8,244			5	1,140	1,550	923	90	537		11,555	11,300	255	34,110	23
8	4,260	24	4,675			8,507	960		7,547		12,670	12,545	125	33,750	24
4	3,450					1,648	1,431	12	205		1,647	1,632	15	12,550	25
370	169,393	285	58,665	149	23,200	85,684	6,682	4,817	55,485	19,200	1,417,158	1,385,059	32,099	2,089,011	26

glass and picture frames, 2; marble and stone work, 1; mattresses and spring beds, 1; mineral and soda waters, 2; monuments and tombstones, 2; plastering and stuccework, 2; silk and silk goods, 1; washing machines and clothes wringers, 1.

TABLE 8.—MANUFACTURES IN CITIES

CHESTER.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	All industries	315	$18,977,710	$1,565,692	$3,044,227	$5,838,218	$8,529,573	327	324	$494,821	7,082	$3,462,196
2	Bicycle and tricycle repairing	4	2,510			1,100	1,410	4			1	410
3	Blacksmithing and wheelwrighting	17	26,440	5,990	5,300	4,175	10,975	20			23	11,040
4	Boots and shoes, custom work and repairing.	22	11,050	800	2,300	3,660	4,290	22			14	5,256
5	Bottling	13	88,685	21,460	28,000	11,225	27,900	14	1	780	34	21,190
6	Bread and other bakery products	15	58,125	9,950	24,150	10,775	13,250	17			41	20,061
7	Brick and tile	3	51,600	10,000	10,000	15,500	16,100	3	1	1,200	56	21,000
8	Carpentering	10	200,400	8,440	10,900	4,525	176,535	12			133	74,100
9	Carriages and wagons	6	47,150	12,100	12,900	3,675	18,475	7			26	15,440
10	Clothing, men's, custom work and repairing.	13	25,775			2,725	23,050	13			42	17,400
11	Clothing, women's, dressmaking	6	1,355			478	877	6			5	1,075
12	Confectionery	10	38,550	8,500	13,000	3,750	13,300	12			26	10,378
13	Cotton goods	11	3,444,991	170,824	540,666	1,411,142	1,321,459	9	66	106,714	1,906	676,023
14	Foundry and machine shop products	12	1,218,428	124,980	260,000	293,303	540,145	17	27	34,092	523	247,043
15	Furniture, cabinetmaking, repairing, and upholstering.	4	18,100	2,000	2,000	1,150	12,950	5			14	6,250
16	Iron and steel	7	4,577,318	291,799	1,092,519	1,508,810	1,684,190		63	110,197	1,435	782,169
17	Lumber, planing mill products, including sash, doors, and blinds.	4	106,300	17,000	14,000	20,300	55,000	5	4	4,040	74	33,000
18	Marble and stone work	3	16,270	4,300	750	1,020	10,200	3			20	8,900
19	Masonry, brick and stone	9	34,757			1,357	33,400	10			95	45,600
20	Millinery, custom work	13	44,215	9,500	7,000	565	27,150	15			33	8,795
21	Models and patterns	3	25,750	3,700	5,400	4,000	12,650	5			29	19,572
22	Painting, house, sign, etc	11	91,239	23,500	24,300	5,254	38,185	11	5	1,492	83	37,905
23	Paper hanging	3	3,450			400	3,050	3			8	3,500
24	Paving and paving materials	4	12,362	150	700	2,650	8,862	5			39	12,187
25	Photography	6	10,990	500	2,250	5,350	2,890	6			8	2,941
26	Plumbing, and gas and steam fitting	12	74,764	16,800	24,150	8,500	25,314	13	1	375	42	23,185
27	Printing and publishing, book and job	4	14,250			10,700	3,550	5			5	1,800
28	Printing and publishing, newspapers and periodicals.	4	177,621	15,000	36,000	82,121	44,500	4	3	5,500	81	43,697
29	Roofing and roofing materials	4	66,700	7,500	17,500	3,400	38,300	6			34	13,950
30	Saddlery and harness	5	7,210			1,110	6,100	5			6	3,260
31	Ship and boat building, wooden	3	13,550	600	1,900	2,050	9,000	3			10	6,450
32	Tinsmithing, coppersmithing, and sheet-iron working.	9	29,935	6,000	8,900	2,725	12,310	10			14	8,300
33	Tobacco, cigars and cigarettes	8	40,765	7,500	13,500	3,477	16,288	8	2	1,300	37	12,126
34	Watch, clock, and jewelry repairing	9	10,350	1,500	4,000	2,200	2,650	9			7	2,725
35	Woolen goods	3	520,991	41,683	54,000	157,794	267,514	2	18	16,002	385	138,698
36	Worsted goods	3	454,494	3,000	10,400	166,301	274,793	3	5	11,250	369	146,517
37	All other industries[1]	42	7,412,270	740,616	817,742	2,080,951	3,772,961	35	133	201,879	2,024	980,258

[1] Embraces artists' materials, 1; awnings, tents, and sails, 1; belting and hose, leather, 1; brass castings and brass finishing, 2; carpets, rag, 2; cars and general shop construction and repairs by street railroad companies, 1; chemicals, 1; coffins, burial cases, and undertakers' goods, 1; cutlery and edge tools, 1; dyeing and cleaning, 1; dye stuffs and extracts, 1; electrical construction and repairs, 1; gas, illuminating and heating, 1; grease and tallow, 1; ice, manufactured, 1; iron and steel, pipe, wrought, 2; ironwork, architectural and ornamental, 1; lime and cement, 1; liquors, malt, 1; lock and gun smithing, 2; looking-glass and picture

EASTON.

1	All industries	285	$4,829,879	$375,530	$1,108,706	$1,362,023	$1,983,620	323	180	$130,082	3,912	$1,516,525
2	Bicycle and tricycle repairing	6	3,585	300	200	2,200	885	6			3	1,205
3	Blacksmithing and wheelwrighting	11	20,205	8,800	4,200	2,505	4,700	13			11	4,728
4	Boots and shoes, custom work and repairing.	11	2,885	1,300	370	755	460	11			2	747
5	Bread and other bakery products	20	42,150	7,800	15,600	8,830	9,920	21	1	208	52	22,630
6	Brick and tile	3	51,545	18,200	13,520	6,225	13,600	4	2	2,000	35	9,490
7	Carpentering	13	90,193	5,300	2,950	6,025	75,918	15	1	700	161	90,627
8	Clothing, men's, custom work and repairing.	17	74,185	7,000	14,000	1,890	51,295	20	1	322	73	32,053
9	Clothing, women's, dressmaking	3	8,900			800	8,100	3			19	8,100
10	Confectionery	9	17,185	2,400	3,900	4,275	6,610	11	2	1,200	21	6,850
11	Electrical construction and repairs	5	10,190			835	9,355	4	3	1,316	12	5,415
12	Flouring and grist mill products	3	82,050	5,000	10,000	16,000	51,050	3			16	8,880
13	Furniture, cabinetmaking, repairing, and upholstering.	7	16,760	150	100	750	15,760	7	1	500	12	6,403
14	Kaolin and other earth grinding	3	82,000	4,000	9,000	27,000	42,000	2	2	2,040	35	16,960
15	Liquors, malt	3	489,213	33,000	190,000	125,000	141,213	4	15	9,714	75	33,765
16	Looking-glass and picture frames	3	4,725			625	4,100	3	4	940	5	2,012
17	Lumber, planing mill products, including sash, doors, and blinds.	3	56,300	8,150	8,500	19,500	20,150	4	3	1,746	43	21,521
18	Marble and stone work	3	32,940	15,300	2,110	3,230	12,300	9			14	8,100
19	Masonry, brick and stone	5	44,654	800	700	7,151	36,003	8	5	1,264	100	49,380
20	Millinery, custom work	12	61,115	10,000	18,600	390	32,125	14	7	1,754	31	7,399
21	Monuments and tombstones	4	42,826	12,500	1,700	3,850	24,776	9			23	11,050

BY SPECIFIED INDUSTRIES: 1900—Continued.

CHESTER.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
5,935	$2,941,151	1,451	$469,662	296	$51,883	$1,222,400	$87,265	$41,259	$802,561	$291,315	$9,261,886	$8,782,471	$479,415	$16,421,725	1
1	410					587	480	7	100		2,860	2,775	85	6,000	2
23	11,040					2,163	1,436	239	488		8,976	8,537	439	36,190	3
14	5,256					3,443	2,941	88	414		10,216	9,933	283	26,610	4
34	21,190					9,857	2,260	5,423	2,174		99,176	98,379	797	161,250	5
37	19,049	4	1,012			5,294	2,447	404	2,443		53,854	51,777	2,077	113,715	6
56	21,000					1,213	500	288	425		6,297	2,842	3,455	37,600	7
133	74,100					116,584	132	239	3,013	113,200	164,840	164,695	145	391,500	8
26	15,440					1,937	460	227	1,250		19,239	18,819	420	48,480	9
26	13,850	16	3,550			4,397	3,619	26	752		23,356	22,698	658	55,200	10
		5	1,075			754	632	4	118		2,200	2,105	95	6,275	11
16	8,624	9	1,650	1	104	6,876	3,116	270	3,490		23,444	22,800	644	56,845	12
793	343,555	926	300,038	187	32,430	214,880	12,800	7,337	115,720	79,023	1,422,744	1,354,208	68,536	2,711,049	13
523	247,043					30,603	1,736	3,351	25,516		452,479	441,003	11,476	832,238	14
13	6,100	1	150			3,219	1,320	69	1,830		28,975	28,765	210	45,300	15
1,435	782,169					277,604	10,000	7,722	259,882		1,535,101	1,288,898	246,203	2,983,450	16
74	33,000					5,417	1,800	217	3,400		76,725	76,150	575	155,000	17
20	8,900					372	12	180	180		15,910	15,845	65	28,300	18
95	45,600					7,148	108	50	1,090	5,900	45,785	45,745	40	124,450	19
		33	8,795			5,775	4,343	227	1,205		34,362	34,037	325	64,100	20
29	19,572					884	150	138	476	120	8,510	7,980	530	36,000	21
83	37,905					3,787	654	557	2,576		54,650	54,293	357	118,600	22
8	3,500					589	366	13	210		3,060	3,007	53	8,450	23
39	12,182					787	88	24	675		19,715	19,715		30,390	24
6	2,285	2	656			1,405	971	34	400		3,987	3,787	200	12,000	25
42	23,185					3,560	936	418	2,006	200	49,895	49,564	331	99,800	26
3	1,544			2	256	746	640		106		3,548	3,390	158	15,900	27
69	39,827	7	2,920	5	950	6,833	967	477	5,389		21,255	19,325	1,930	102,914	28
34	13,950					1,144	272	276	596		24,047	23,922	125	60,750	29
6	3,260					1,662	928	19	715		4,642	4,569	73	11,400	30
8	6,000			2	450	617	170	47	400		6,175	6,175		17,775	31
14	8,300					1,667	901	228	538		19,474	19,269	205	44,900	32
12	6,126	20	5,200	5	800	6,840	1,356	247	5,237		22,639	22,235	404	53,112	33
7	2,725					1,423	1,008	99	316		3,990	3,735	255	15,350	34
228	92,021	125	40,737	32	5,940	34,319	4,760	1,549	24,310	3,700	398,333	391,279	7,054	701,569	35
120	61,216	209	79,499	40	5,802	52,289	11,988	200	38,181	1,920	607,416	601,027	6,389	916,369	36
1,908	951,227	94	24,880	22	4,651	405,725	10,968	10,565	296,940	87,252	3,984,011	3,859,188	124,823	6,288,894	37

frames, 2; mattresses and spring beds, 1; mineral and soda waters, 1; monuments and tombstones, 1; musical instruments, pianos and materials, 1; patent medicines and compounds, 1; petroleum, refining, 1; plastering and stuccowork, 2; pottery, terra cotta, and fire-clay products, 1; refrigerators, 1; shipbuilding, iron and steel, 1; shirts, 1; shoddy, 2; slaughtering and meat packing, wholesale, 1; wirework, including wire rope and cable, 1.

EASTON.

2,684	$1,266,156	945	$199,747	283	$50,622	$485,029	$33,398	$12,102	$183,383	$256,146	$3,794,496	$3,725,688	$68,808	$6,746,078	1
3	1,205					484	394	5	85		1,796	1,703	93	5,425	2
11	4,728					686	534	118	34		4,802	4,447	355	17,550	3
2	747					550	514	16	20		3,059	2,942	117	9,112	4
45	21,654			7	976	2,336	1,582	287	467		89,592	87,133	2,459	159,334	5
32	9,108			3	382	603		178	425		6,087	1,160	4,927	24,000	6
160	90,211			1	416	90,938	558	78	528	89,774	122,592	122,358	234	340,260	7
59	28,938	12	2,780	2	335	4,074	3,316	29	729		51,139	50,539	600	118,254	8
6	3,600	13	4,500			1,392	1,240		152		9,845	9,575	270	21,500	9
14	5,864	5	626	2	360	2,985	2,279	101	605		23,912	23,320	592	44,987	10
11	5,265			1	150	886	696		190		5,517	5,403	114	16,398	11
16	8,880					2,598	1,251	297	1,050		97,079	96,544	535	117,226	12
11	6,211	1	192			1,074	948	3	123		13,582	13,410	172	26,588	13
35	16,960					1,577	300	147	1,130		50,331	47,220	3,111	30,931	14
74	33,657			1	108	81,308		2,660	78,648		56,686	53,821	2,865	240,640	15
4	1,337			1	175	919	598		321		2,927	2,805	122	15,600	16
43	21,521					1,378	150	168	1,060		36,388	35,923	465	71,040	17
14	8,100					1,037	100	92	845		10,000	9,839	161	23,500	18
100	49,330					149	12	15	122		23,437	23,307	130	33,233	19
		29	7,634	2	265	3,484	2,069	235	1,180		43,230	42,790	440	79,842	20
23	11,050					4,788		93	1,690	3,000	12,300	12,085	215	42,500	21

TABLE 8.—MANUFACTURES IN CITIES

EASTON—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
22	Painting, house, sign, etc	11	$7,695	$100	$100	$1,090	$6,405	13			28	$14,011
23	Paper hanging	8	31,495	2,000	1,000	1,145	27,350	8	7	$2,796	33	14,506
24	Photography	3	5,400			3,400	2,000	3	1	84	1	432
25	Plumbing, and gas and steam fitting	15	35,370	100	200	3,680	31,390	17			32	17,814
26	Printing and publishing, newspapers and periodicals.	6	164,711	10,500	26,000	79,396	48,815	7	4	1,986	108	46,623
27	Roofing and roofing materials	3	12,600	2,700	3,650	750	5,500	6			13	5,975
28	Saddlery and harness	3	42,900	11,000	16,000	2,900	13,000	3	1	600	12	5,876
29	Tinsmithing, coppersmithing, and sheet-iron working.	13	39,525	4,900	7,750	6,305	20,570	15			28	12,644
30	Tobacco, cigars and cigarettes	17	29,359	1,600	1,650	868	25,241	15			48	19,479
31	Watch, clock, and jewelry repairing	12	14,730	4,000	1,500	6,305	2,925	11			12	4,761
32	All other industries[1]	50	3,212,488	198,630	755,406	1,018,348	1,240,104	54	120	100,012	2,354	1,026,639

[1] Embraces awnings, tents, and sails, 1; bookbinding and blank book making, 1; boots and shoes, factory product, 1; bottling, 2; boxes, cigar, 2; boxes, fancy and paper, 1; brass castings and brass finishing, 1; brooms and brushes, 2; carpets, rag, 2; carriages and wagons, 2; cars and general shop construction and repairs by steam railroad companies, 1; clothing, men's, factory product, 2; coffins, burial cases, and undertakers' goods, 1; cordage and twine, 1; dyeing and cleaning, 1; flags and banners, 1; foundry and machine shop products, 2; gas, illuminating and heating, 1; hosiery and knit goods, 1; ice, manufactured, 1; iron

ERIE.

1	All industries	644	$20,418,016	$1,361,284	$3,483,998	$5,543,480	$10,029,254	718	679	$702,343	9,339	$4,574,625
2	Awnings, tents, and sails	3	3,935	1,200	950	535	1,250	3			2	610
3	Bicycle and tricycle repairing	14	19,600	800	300	8,275	10,225	16			19	8,370
4	Bicycles and tricycles	3	436,110	9,300	87,080	180,579	159,151	1	42	27,119	258	142,336
5	Blacksmithing and wheelwrighting	25	84,120	12,600	9,875	5,300	6,345	29			24	14,706
6	Boots and shoes, custom work and repairing.	65	33,285	6,450	7,550	6,710	12,575	65			16	8,983
7	Bottling	5	24,854			12,663	12,191	5	2	900	18	11,696
8	Brass castings and brass finishing	3	63,236	7,000	7,500	16,228	32,508	4			27	13,061
9	Bread and other bakery products	28	187,543	27,300	49,500	68,856	41,887	27	13	12,134	103	43,182
10	Carpentering	21	242,748	35,463	37,900	34,930	134,455	24	11	13,292	255	153,917
11	Carpets, rag	8	5,640	1,150	1,500	1,490	1,500	8			1	1,000
12	Carriages and wagons	3	35,922	14,550	9,400	2,140	9,832	6	1	500	22	11,592
13	Clothing, men's, custom work and repairing.	54	124,700	10,300	12,350	9,940	92,110	60	6	3,200	175	86,339
14	Clothing, women's, dressmaking	13	4,265			1,340	2,925	14			35	12,230
15	Confectionery	16	43,650	10,300	9,250	8,475	15,625	16	7	2,828	21	11,092
16	Cooperage	5	108,310	16,400	21,000	21,010	49,900	4	7	8,680	112	34,448
17	Dyeing and cleaning	3	5,700	700	2,500	2,150	350	3			4	2,375
18	Flouring and grist mill products	7	242,653	46,500	49,000	86,653	60,500	12	10	12,112	40	21,695
19	Foundry and machine shop products	41	9,075,309	511,717	1,075,912	1,606,360	5,881,320	28	259	293,911	3,702	1,969,136
20	Furniture, cabinetmaking, repairing, and upholstering.	14	28,762	5,000	5,100	3,135	15,527	17	1	600	14	7,010
21	Hairwork	4	1,785			185	1,600	4			2	599
22	Liquors, malt	5	1,100,467	79,090	357,778	387,568	276,031		30	46,240	115	90,440
23	Lock and gun smithing	4	10,400	1,500	2,500	2,350	4,050	5			3	1,500
24	Looking-glass and picture frames	7	16,270	1,100	1,100	810	13,260	7			6	2,800
25	Lumber, planing mill products, including sash, doors, and blinds.	11	726,629	86,588	108,343	123,421	408,277	19	32	31,386	297	120,526
26	Masonry, brick and stone	3	6,075			575	5,500	4			32	21,900
27	Millinery, custom work	19	79,506	18,400	13,300	2,295	45,511	24	10	2,800	63	28,291
28	Models and patterns	3	10,870	1,000	2,000	3,552	4,318	5			6	3,766
29	Monuments and tombstones	6	65,505	21,000	8,580	11,675	24,250	7	5	2,300	28	26,750
30	Optical goods	3	3,300			1,550	1,750	4			2	625
31	Painting, house, sign, etc	34	37,780	1,900	2,100	5,950	27,830	30	1	260	95	57,231
32	Patent medicines and compounds	7	54,924	6,200	4,800	3,187	40,737	6	7	4,422	17	5,225
33	Photography	10	15,175	2,050	3,500	7,100	2,525	10			5	2,860
34	Plumbing, and gas and steam fitting	15	102,713	8,000	11,000	9,171	74,542	19	16	8,620	88	46,723
35	Printing and publishing, book and job	10	106,512	5,000	14,474	61,908	25,130	16	2	624	71	33,652
36	Printing and publishing, newspapers and periodicals.	9	212,850			168,449	43,901	11	19	14,086	131	72,972
37	Roofing and roofing materials	9	34,700	5,300	6,200	4,350	18,850	14	2	1,500	34	18,247
38	Saddlery and harness	7	16,375	2,000	4,300	1,475	8,600	8			11	6,146
39	Sewing machine repairing	4	1,475			375	1,100	5			2	1,200
40	Tinsmithing, coppersmithing, and sheet-iron working.	8	26,170	3,400	5,100	3,557	14,113	10			19	10,046
41	Tobacco, cigars and cigarettes	26	82,096	7,200	11,200	4,320	59,376	32	2	1,275	90	45,051
42	Watch, clock, and jewelry repairing	24	34,885	5,000	8,000	7,985	13,900	24	2	1,092	19	12,153
43	All other industries[1]	85	6,951,712	389,826	1,533,056	2,654,903	2,373,927	103	192	212,402	3,352	1,412,111

[1] Embraces babbitt metal and solder, 1; belting and hose, rubber, 1; bookbinding and blank book making, 1; boxes, cigar, 2; boxes, fancy and paper, 1; boxes, wooden packing, 1; brick and tile, 2; brooms and brushes, 1; buttons, 2; carriage and wagon materials, 2; carriages and sleds, children's, 1; cars and general shop construction and repairs by steam railroad companies, 2; cars, steam railroad, not including operations of railroad companies, 1; cheese, butter, and condensed milk, factory product, 2; chemicals, 1; clothing, men's, factory product, 2; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; cutlery and edge tools, 1; electrical apparatus and supplies, 1; electrical construction and repairs, 2; electroplating, 2; engraving, steel, including plate printing, 1; engraving, wood, 1; fertilizers, 1; fur goods, 1; furniture, factory product, 1; gas and lamp fixtures, 1; gas and oil stoves, 2; gas, illuminating and heating, 1; gas machines and meters, 1; hand stamps, 1; hardware, 1; hats and caps, not including fur hats

BY SPECIFIED INDUSTRIES: 1900—Continued.

EASTON—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
28	$14,011					$603	$518	$2	$83		$6,069	$6,025	$44	$32,235	22
33	14,506					2,455	1,593	25	837		15,140	14,975	165	43,279	23
1	432					1,015	725		290		2,835	2,723	112	8,200	24
32	17,814					1,900	1,583	28	289		48,789	48,337	452	95,880	25
92	43,896	7	$1,850	9	$877	9,062	1,275	267	7,520		21,474	19,969	1,505	116,351	26
12	5,800			1	175	975	200	60	715		16,102	15,990	112	33,500	27
12	5,876					775	400	205	170		8,405	8,315	90	21,500	28
28	12,644					1,514	1,146	95	273		16,957	16,526	431	41,930	29
42	18,215	2	432	4	832	10,308	1,380	27	8,901		31,186	30,930	256	69,784	30
11	4,605			1	156	2,258	1,983	75	200		3,540	3,310	230	18,830	31
1,730	799,491	876	181,733	248	45,415	250,923	6,054	6,796	74,701	$163,372	2,959,698	2,912,264	47,434	4,721,669	32

and steel, 1; ironwork, architectural and ornamental, 1; leather, tanned, curried, and finished, 1; lime and cement, 1; lumber and timber products, 1; malt, 1; mattresses and spring beds, 1; musical instruments, organs and materials, 1; oil, not elsewhere specified, 1; paints, 1; paving and paving materials, 2; printing and publishing, book and job, 2; shirts, 1; silk and silk goods, 2; slaughtering and meat packing, wholesale, 1; steam fittings and heating apparatus, 2; surgical appliances, 1; watch and clock materials, 1; wire, 1.

ERIE.

8,389	$4,343,584	699	$183,811	251	$47,230	$1,197,411	$106,948	$64,153	$916,462	$109,848	$9,107,305	$8,796,402	$310,903	$19,053,202	1
1	310	1	300			77	10	32	35		3,441	3,430	11	6,000	2
19	8,370					2,708	2,177	12	519		17,493	16,738	755	44,930	3
258	142,336					29,938	1,000	657	28,281		239,839	237,703	2,136	466,223	4
24	14,706					2,177	1,466	302	409		12,910	12,099	811	54,688	5
16	8,933					5,434	4,931	182	321		20,009	18,933	1,076	72,205	6
18	11,696					6,554	2,331	35	4,188		32,412	31,960	452	89,673	7
26	12,816			1	245	2,493	260	166	1,867	200	30,425	29,494	931	60,125	8
81	39,771	21	3,288	1	123	5,566	2,170	824	2,572		142,612	137,490	5,122	287,734	9
255	153,947					71,912	416	952	8,525	62,019	258,934	258,387	547	508,904	10
1	1,000					465	304	49	112		2,055	1,925	130	9,500	11
22	11,592					1,430	505	225	700		11,131	10,400	731	32,211	12
137	74,859	37	11,376	1	104	23,504	15,114	318	7,672	400	95,304	93,636	1,668	308,130	13
		35	12,230			1,511	1,448		63		5,733	5,425	308	28,450	14
18	9,342	6	1,750			4,053	2,711	305	1,037		26,507	25,512	995	66,425	15
52	24,448			60	10,000	3,666	219	408	3,039		82,060	81,597	463	192,294	16
3	2,175	1	200			189	24	40	125		1,090	850	240	8,200	17
40	21,695					9,261	241	1,805	7,215		628,694	622,131	6,563	717,432	18
3,641	1,954,126			61	15,010	319,759	9,375	16,157	267,703	26,524	2,854,320	2,734,015	120,305	6,541,349	19
14	7,010					2,204	1,456	135	613		12,635	12,403	232	34,345	20
		2	599			811	766		45		1,196	1,090	106	4,700	21
115	90,440					256,959		12,585	244,374		138,092	122,975	15,117	696,745	22
3	1,500					1,319	1,084	25	210		1,375	1,170	205	8,700	23
6	2,800					2,766	2,396	40	330		17,897	17,607	290	34,975	24
297	120,526					52,388	6,300	2,196	24,897	18,995	429,781	425,126	4,655	768,549	25
32	21,900					250	250				38,820	38,820		73,000	26
		62	28,201	1	90	9,293	6,292	439	2,562		93,412	92,562	850	172,715	27
6	3,766					398	160	25	213		1,587	1,372	215	12,704	28
28	26,750					1,900	542	448	910		55,745	54,835	910	109,625	29
2	625					1,087	904		183		2,483	2,322	161	10,706	30
95	57,231					4,998	4,113	52	833		34,467	34,085	382	145,431	31
8	3,995	8	1,064	1	166	8,614	906	228	7,480		20,839	20,699	140	48,302	32
4	2,434	1	426			2,016	1,468	85	463		5,496	5,011	485	21,970	33
38	46,723					7,366	3,212	315	3,189	650	89,487	88,413	1,074	189,462	34
44	27,935	24	5,252	3	465	3,644	2,084	130	1,430		28,180	26,819	1,361	108,904	35
104	66,062	27	6,910			13,867	5,163	158	8,086	460	57,432	54,297	3,135	198,584	36
34	18,247					2,175	1,460	133	582		36,915	36,585	330	74,800	37
11	6,146					2,047	1,676	65	306		10,392	10,136	256	28,600	38
2	1,200					722	637		85		918	888	30	4,400	39
19	10,046					1,487	872	133	482		16,634	16,319	315	44,500	40
80	43,468	1	260	9	1,826	19,289	1,618	202	17,469		61,878	61,364	514	155,705	41
18	11,933	1	220			7,165	5,211	142	1,812		11,060	10,420	640	55,608	42
2,767	1,280,675	472	111,735	113	19,701	303,949	13,676	24,148	265,525	600	3,475,615	3,339,359	136,256	6,495,699	43

and wool hats, 1; house furnishing goods, not elsewhere specified, 1; ice, manufactured, 1; iron and steel, forgings, 1; ironwork, architectural and ornamental, 1; leather, tanned, curried, and finished, 2; lime and cement, 1; lithographing and engraving, 1; marble and stone work, 2; mattresses and spring beds, 1; mineral and soda waters, 2; mucilage and paste, 1; musical instruments, organs and materials, 2; musical instruments, pianos and materials, 2; paper and wood pulp, 2; paving and paving materials, 2; photolithographing and photoengraving, 1; pickles, preserves, and sauces, 1; plastering and stuccowork, 2; plumbers' supplies, 1; pumps, not including steam pumps, 2; regalia and society banners and emblems, 1; rubber and elastic goods, 1; ship and boat building, wooden, 1; show cases, 1; slaughtering, wholesale, not including meat packing, 2; springs, steel, car and carriage, 1; stereotyping and electrotyping, 1; tools, not elsewhere specified, 1; typewriter repairing, 1; washing machines and clothes wringers, 1.

TABLE 8.—MANUFACTURES IN CITIES

HARRISBURG.

	Manufacturing and mechanical industries.	Number of establishments.	Capital. Total.	Capital. Land.	Capital. Buildings.	Capital. Machinery, tools, and implements.	Capital. Cash and sundries.	Proprietors and firm members.	Salaried officials, clerks, etc. Number.	Salaried officials, clerks, etc. Salaries.	Average number of wage-earners and total wages. Total. Average number.	Average number of wage-earners and total wages. Total. Wages.
1	All industries	446	$8,749,516	$941,464	$1,316,977	$2,177,204	$4,313,871	464	404	$391,086	7,362	$2,949,544
2	Bicycle and tricycle repairing	7	16,910		500	3,750	12,660	6			11	5,573
3	Blacksmithing and wheelwrighting	18	7,945	1,700	3,465	1,700	1,080	20			12	5,999
4	Boots and shoes, custom work and repairing.	29	6,009	1,690	1,855	1,792	672	29			4	1,747
5	Boots and shoes, factory product	5	642,196	19,200	57,472	86,968	478,556	5	75	58,441	713	179,401
6	Bottling	4	47,815	1,500	2,300	14,500	29,515	5	1	780	17	7,980
7	Bread and other bakery products	44	92,060	23,550	46,000	10,910	11,600	48	2	936	75	35,745
8	Brick and tile	3	270,028	30,453	80,500	76,672	82,403	4	7	5,240	123	38,749
9	Carpentering	17	41,566	4,250	7,600	3,885	25,831	22			88	48,755
10	Carriages and wagons	8	85,220	22,500	29,350	8,983	24,387	7	5	4,620	45	21,653
11	Clothing, men's, custom work and repairing.	32	96,284	20,550	22,200	3,480	50,004	34	2	1,174	110	46,065
12	Clothing, women's, dressmaking	5	4,050	1,200	1,000	625	1,225	5			14	3,082
13	Confectionery	17	43,881	1,350	3,250	19,655	19,626	21	1	240	127	26,161
14	Dyeing and cleaning	3	13,390	6,000	4,800	2,090	500	3	1	216	7	2,480
15	Foundry and machine shop products	6	1,271,225	161,878	223,259	340,715	545,373	4	42	56,376	579	260,600
16	Furniture, cabinetmaking, repairing, and upholstering.	11	9,840	900	300	915	7,725	12	1	312	13	4,773
17	Iron and steel	7	3,065,702	409,000	415,000	521,968	1,719,734		74	101,276	1,701	821,547
18	Liquors, malt	3	260,725	65,000	81,000	54,600	60,125	3	4	2,365	32	20,882
19	Looking-glass and picture frames	6	10,075	700	900	975	7,500	7			6	1,864
20	Lumber, planing mill products, including sash, doors, and blinds.	4	128,720	17,020	29,600	28,600	53,500	3	6	4,750	82	41,814
21	Marble and stone work	3	7,850		350	2,475	5,025	5			24	13,254
22	Masonry, brick and stone	4	36,800	1,150	2,500	2,150	31,000	5			64	35,100
23	Millinery, custom work	9	20,095			650	19,445	12	7	2,496	41	12,516
24	Painting, house, sign, etc	19	17,055	1,850	2,350	4,197	8,658	19	1	234	86	33,462
25	Paper hanging	3	9,100	300	400	1,375	7,025	3	2	468	14	6,950
26	Patent medicines and compounds	5	23,133	300	500	1,683	20,650	5	1	1,000	5	2,360
27	Photography	5	10,500		700	5,800	4,000	5	3	566	13	4,900
28	Plumbing, and gas and steam fitting	32	81,580	7,700	8,635	19,540	45,705	34	11	6,249	117	47,709
29	Printing and publishing, book and job	14	219,921	13,000	23,000	141,189	42,732	16	9	8,009	198	89,891
30	Printing and publishing, newspapers and periodicals.	5	398,639	28,500	27,000	217,999	125,140	1	25	27,543	145	70,201
31	Roofing and roofing materials	5	8,650	200	1,000	1,600	5,850	6			18	8,770
32	Saddlery and harness	7	8,820			745	8,075	7			9	3,950
33	Tinsmithing, coppersmithing, and sheet-iron working.	13	32,165	4,650	4,500	5,875	17,140	15	5	2,908	47	17,548
34	Tobacco, cigars and cigarettes	25	89,351	7,200	12,400	5,905	63,846	28	9	4,251	609	181,800
35	Watch, clock, and jewelry repairing	13	14,065	1,000	500	5,130	7,435	14			18	8,364
36	All other industries[1]	55	1,658,201	87,173	222,791	578,108	770,129	51	110	100,636	2,195	888,959

[1] Embraces awnings, tents, and sails, 2; baking and yeast powders, 1; baskets, and rattan and willow ware, 1; bookbinding and blank book making, 2; boxes, cigar, 1; boxes, fancy and paper, 2; brass castings and brass finishing, 1; brooms and brushes, 2; carpets, rag, 2; cars and general shop construction and repairs by steam railroad companies, 2; cars and general shop construction and repairs by street railroad companies, 1; clothing, men's, factory product, 1; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; electrical construction and repairs, 2; electroplating, 2;

JOHNSTOWN.

1	All industries	248	$16,940,450	$929,865	$3,065,682	$6,944,427	$6,000,476	316	394	$449,133	6,116	$3,213,180
2	Blacksmithing and wheelwrighting	9	7,155	1,800	2,240	1,800	1,315	12			12	7,215
3	Boots and shoes, custom work and repairing.	17	1,940		395	1,055	490	18			1	416
4	Bread and other bakery products	11	31,051	8,500	12,700	5,371	5,080	13			35	16,944
5	Carpentering	24	188,840	24,950	16,725	36,965	110,200	36	12	6,300	181	90,709
6	Carriages and wagons	3	5,800		1,000	1,900	2,900	4			9	4,634
7	Clothing, men's, custom work and repairing.	14	11,250	1,100	1,800	1,725	6,625	14			35	13,888
8	Clothing, women's, dressmaking	5	475			435	40	5			5	1,081
9	Confectionery	7	13,100	2,000	1,800	5,100	4,200	8	2	820	8	3,822
10	Foundry and machine shop products	5	2,526,591	223,775	249,112	1,135,416	918,288	6	90	100,231	663	396,780
11	Furniture, cabinetmaking, repairing, and upholstering.	5	2,157			1,555	602	8			3	1,686
12	Iron and steel	4	11,882,627	514,000	2,291,339	4,821,444	4,255,844		219	290,056	3,871	2,100,145
13	Liquors, malt	4	524,795	58,100	178,280	143,457	149,958	3	12	12,199	69	41,920
14	Masonry, brick and stone	11	10,910	700	500	1,810	7,900	16			52	26,083
15	Millinery, custom work	8	30,010	4,000	6,000	380	19,630	9	3	754	28	7,953
16	Mineral and soda waters	3	6,400	2,000	1,100	2,400	900	4			4	708
17	Monuments and tombstones	3	11,350	600	400	700	9,650	3			6	2,833
18	Painting, house, sign, etc	17	23,570	3,100	5,880	2,010	12,580	19			49	27,920
19	Photography	8	7,150		10	5,650	1,490	8			6	1,227
20	Plastering and stuccework	3	3,470			270	3,200	5			7	4,400
21	Plumbing, and gas and steam fitting	10	66,050	2,500	750	2,925	59,875	12	5	3,132	43	20,584
22	Pottery, terra cotta, and fire-clay products.	3	345,626	25,500	145,600	89,912	84,614	13	12	10,346	611	260,999
23	Printing and publishing, book and job	5	14,500			10,700	3,800	6			16	3,327
24	Printing and publishing, newspapers and periodicals.	5	181,222	6,000	20,300	59,500	45,422	6	1	1,000	58	26,804

BY SPECIFIED INDUSTRIES: 1900—Continued.

HARRISBURG.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
5,435	$2,593,264	1,812	$342,986	115	$13,294	$646,950	$141,425	$24,365	$380,105	$101,055	$9,402,516	$8,992,718	$409,798	$16,064,597	1
11	5,573					2,499	1,252	19	1,228		29,143	28,809	334	51,960	2
11	4,839			1	260	857	742	76	39		5,178	4,801	377	22,280	3
4	1,747					1,396	1,331	34	31		7,319	6,999	320	23,348	4
326	108,184	358	68,964	29	2,253	20,864	478	558	19,828		465,838	463,119	2,719	748,798	5
17	7,980					2,713	1,380	226	1,107		35,663	34,973	690	62,620	6
63	33,161	6	1,692	6	892	6,915	4,187	933	1,795		116,052	111,420	4,632	225,713	7
122	38,541			1	208	6,194	2,000	694	3,500		18,661	3,031	15,630	87,667	8
88	48,755					41,646	690	120	1,045	39,791	114,364	114,170	194	260,575	9
45	21,653					2,093	75	646	1,372		24,698	23,877	821	62,708	10
69	36,627	38	9,113	3	325	6,339	4,496	671	1,172		56,836	55,890	946	147,732	11
1	320	13	2,762			722	664	18	40		4,093	3,929	164	11,493	12
57	19,519	66	6,133	4	509	6,856	5,456	156	1,244		98,521	96,455	2,066	164,701	13
4	1,755	3	625			406		131	275		812	680	132	9,500	14
564	257,157	9	2,377	6	1,066	48,174	744	2,456	44,974		373,529	362,546	10,983	840,914	15
10	4,445			3	328	1,660	1,258	25	377		8,332	8,237	95	22,293	16
1,701	821,547					105,728	43,620	8,684	53,424		5,050,689	4,718,058	332,631	7,602,404	17
32	20,882					70,362		1,924	68,438		41,819	38,699	3,120	186,030	18
4	1,534	2	270			1,095	1,036	28	31		4,553	4,433	120	12,050	19
82	41,814					3,960	1,422	708	1,830		83,782	82,147	1,635	150,875	20
23	13,072			1	182	615	390	5	120	100	10,082	10,007	75	29,550	21
64	35,100					18,744	295	54	195	18,200	129,600	129,575	25	217,600	22
		41	12,516			5,796	3,984	91	1,721		56,195	55,910	285	90,700	23
83	32,838			3	624	1,948	1,152	71	725		20,254	20,022	232	76,600	24
14	6,950					297	216	19	62		9,170	9,115	55	20,750	25
3	2,000	2	360			1,610	328	25	1,257		9,455	9,364	91	20,080	26
9	3,920	3	876	1	104	3,080	2,585	45	450		10,108	9,986	122	29,409	27
114	47,345			3	364	5,588	3,236	188	1,939	225	89,851	89,093	758	220,392	28
130	75,003	66	14,628	2	260	24,047	3,498	270	11,271	9,008	57,336	53,887	3,449	210,155	29
130	66,003	13	3,886	2	312	17,340	4,710	886	11,696	48	56,093	51,274	4,819	236,126	30
18	8,770					248	208	17	23		24,088	24,001	87	41,150	31
9	3,950					1,289	1,213	3	73		10,364	10,264	100	20,880	32
47	17,548					2,016	1,382	100	534		36,122	35,770	352	72,659	33
98	34,593	508	96,894	3	313	80,751	3,755	280	76,716		269,035	266,358	2,677	536,013	34
18	8,364					2,745	1,528	44	1,173		5,750	5,438	312	31,200	35
1,464	761,775	684	121,890	47	5,294	150,357	42,114	4,160	70,400	33,683	2,069,131	2,050,381	18,750	3,517,672	36

fertilizers, 1; food preparations, 1; furnishing goods, men's, 2; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; hand stamps, 1; hosiery and knit goods, 1; ice, manufactured, 1; lock and gun smithing, 2; mattresses and spring beds, 1; mineral and soda waters, 2; models and patterns, 1; monuments and tombstones, 2; paving and paving materials, 2; pottery, terra cotta, and fire-clay products, 1; shirts, 2; silk and silk goods, 1; slaughtering and meat packing, wholesale, 2; soap and candles, 1; tin and terne plate, 1; typewriters and supplies, 1; umbrellas and canes, 1; wheelbarrows, 1.

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5,913	$3,166,356	98	$26,129	100	$20,704	$1,922,080	$245,423	$62,923	$1,543,800	$69,934	$14,445,126	$13,066,883	$1,378,243	$22,559,890	1
12	7,215					723	618	40	65		7,226	7,062	164	23,388	2
1	416					1,166	1,026	6	134		3,201	3,201		12,903	3
28	15,976	3	412	4	556	3,678	922	276	2,480		39,729	38,814	915	78,577	4
181	90,709					75,844	2,475	898	4,490	67,981	214,631	213,049	1,582	465,609	5
9	4,634					902	418	4	380	100	8,544	8,244	300	20,760	6
24	11,266	11	2,622			4,240	2,377	31	1,507	325	17,658	17,618	40	46,116	7
		4	961	1	120	512	452		60		535	535		4,280	8
6	3,414	1	308	1	100	1,736	924	67	745		19,039	18,486	553	35,496	9
634	387,992	8	2,847	21	5,911	66,890	459	5,294	61,137		1,140,123	1,105,458	34,665	1,960,255	10
3	1,686					357	327		30		3,953	3,947	6	8,834	11
3,850	2,095,049			21	5,096	1,521,707	220,168	48,867	1,252,672		12,216,364	10,928,725	1,287,639	17,834,705	12
62	40,646	3	430	4	844	156,361		3,248	153,113		88,235	84,204	4,031	394,972	13
52	26,083					1,818		243	735	840	43,053	43,053		85,671	14
		27	7,849	1	104	3,422	2,289	50	1,083		43,101	43,081	20	68,828	15
1	300			3	408	371	70	27	274		570	570		3,820	16
6	2,833					631	370	10	251		6,840	6,840		13,380	17
49	27,920					1,280	445	268	567		19,513	19,493	20	64,338	18
2	595	2	328	2	304	1,516	1,267		249		3,373	3,373		14,173	19
7	4,400					502	167	75	260		5,432	5,400	32	14,317	20
41	20,244			2	340	5,936	2,121	231	3,584		69,085	68,860	225	110,633	21
605	258,519	1	480	5	2,000	7,422		1,311	6,111		137,142	105,437	31,705	459,202	22
5	1,718	4	721	7	888	1,123	726		367	30	7,117	6,821	296	19,497	23
53	25,451	4	1,075	1	78	14,231	989	390	12,218	634	10,038	9,011	1,027	74,199	24

TABLE 8.—MANUFACTURES IN CITIES

JOHNSTOWN—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
25	Saddlery and harness	5	$18,275	$2,000	$2,350	$3,113	$10,812	5	2	$600	13	$5,131
26	Tinsmithing, coppersmithing, and sheet-iron working.	14	30,465	5,100	4,190	4,220	16,955	19			33	18,345
27	Watch, clock, and jewelry repairing	11	6,450	500	1,000	2,175	2,775	13			9	5,281
28	All other industries[1]	34	1,038,621	48,640	122,211	602,439	265,331	51	36	23,695	289	122,354

[1] Embraces awnings, tents, and sails, 1; bicycle and tricycle repairing, 2; brick and tile, 1; brooms and brushes, 1; carpets, rag, 1; clothing, men's, factory product, 1; dyeing and cleaning, 1; enameling and enameled goods, 1; flouring and grist mill products, 1; furniture, factory product, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; ice, manufactured, 1; lock and gun smithing, 2; looking-glass and picture frames, 2; lumber, planing mill

LANCASTER.

1	All industries	738	$10,803,464	$772,515	$1,901,955	$3,132,296	$4,996,698	855	427	$398,934	9,349	$3,323,748
2	Bicycle and tricycle repairing	10	7,170	100	100	2,715	4,255	13	1	500	13	3,933
3	Blacksmithing and wheelwrighting	27	20,485	7,570	5,040	3,245	4,630	32			19	9,632
4	Boots and shoes, custom work and repairing.	30	10,267	1,950	2,200	3,330	2,787	29			13	4,562
5	Bottling	11	54,800	9,350	15,000	24,500	5,950	15	1	600	34	14,092
6	Boxes, cigar	6	95,445	5,100	11,700	34,945	43,700	5	9	5,816	197	47,911
7	Boxes, wooden packing	3	7,985	3,500	2,300	135	2,050	4	1	800	8	2,220
8	Bread and other bakery products	45	75,344	17,650	37,700	6,615	13,379	49	3	2,107	97	40,391
9	Brick and tile	3	66,660	20,600	14,800	10,010	21,250	4			60	22,970
10	Brooms and brushes	3	1,355	150	350	270	585	4			3	820
11	Carpentering	41	126,895	16,775	31,000	7,805	71,315	42	10	6,013	234	124,148
12	Carpets, rag	5	21,625	4,100	5,900	3,525	8,100	9	3	1,580	22	7,266
13	Carriage and wagon materials	7	113,978	22,200	34,550	28,500	28,728	8	4	2,400	50	22,947
14	Carriages and wagons	12	372,746	43,015	55,100	62,513	212,118	13	22	11,201	275	131,336
15	Clothing, men's, custom work and repairing.	23	116,615	34,300	23,375	5,400	53,540	28	9	7,500	145	62,768
16	Clothing, women's, dressmaking	99	23,745	2,625	5,250	7,145	8,725	104			136	31,707
17	Coffee and spice, roasting and grinding	3	7,800	500	300	5,700	1,300	3			3	1,691
18	Confectionery	25	922,216	29,750	244,450	290,350	357,666	27	16	31,861	712	148,716
19	Dyeing and cleaning	4	975	100	400	320	155	4			1	300
20	Foundry and machine shop products	19	445,087	54,350	89,350	140,590	160,797	16	33	25,603	232	92,955
21	Furniture, cabinetmaking, repairing, and upholstering.	15	71,413	9,800	24,700	2,018	34,895	16			23	9,970
22	Hardware	3	61,850	10,000	10,000	13,550	28,300	3	4	2,450	78	30,250
23	Leather, tanned, curried, and finished	3	180,575	17,000	23,500	18,000	122,075	3	9	10,050	85	32,900
24	Liquors, malt	4	645,600	30,000	274,000	214,600	127,000	6	11	13,500	65	32,764
25	Lock and gun smithing	4	166,570	21,000	32,000	38,400	75,170	5	6	4,700	204	89,500
26	Lumber, planing mill products, including sash, doors, and blinds.	8	139,500	16,000	40,000	19,500	64,000	3	7	4,048	75	41,826
27	Marble and stone work	4	23,950	300	200	11,650	11,800	6	1	1,000	15	9,300
28	Masonry, brick and stone	16	94,565	2,300	5,750	52,270	34,245	29	6	4,812	232	98,280
29	Millinery, custom work	18	92,756	33,300	21,400	2,356	35,700	23	1	750	63	19,729
30	Monuments and tombstones	5	14,660	325	175	2,660	11,500	6			14	7,080
31	Painting, house, sign, etc	35	22,170	2,250	5,550	5,233	9,137	44	1	700	114	55,221
32	Paints	3	48,175	3,500	5,500	7,876	31,299	6	5	3,830	12	4,800
33	Paper hanging	5	7,780			480	7,300	6			13	6,001
34	Paving and paving materials	11	21,955	7,300	1,750	7,475	5,430	13	7	3,365	156	58,042
35	Photography	9	20,050	1,500	2,000	14,350	2,200	10	1	416	10	4,736
36	Plastering and stuccowork	7	1,460			140	1,320	10			13	9,130
37	Plumbing, and gas and steam fitting	16	49,305	3,000	6,900	7,550	31,855	21	2	1,092	56	25,168
38	Printing and publishing, book and job	9	149,110	27,250	21,300	76,474	24,086	9	3	3,500	71	31,265
39	Printing and publishing, newspapers and periodicals.	8	365,150	40,000	65,000	170,300	89,850	11	19	12,516	201	91,901
40	Roofing and roofing materials	3	5,825	1,000	500	1,025	3,300	5			6	2,630
41	Saddlery and harness	10	59,587	4,100	5,100	13,170	37,217	11	8	4,416	57	20,710
42	Tinsmithing, coppersmithing, and sheet-iron working.	11	82,050	11,800	28,300	19,950	22,000	13	9	4,960	70	28,404
43	Tobacco, cigars and cigarettes	69	1,063,230	30,005	155,235	94,488	783,502	84	61	79,183	1,765	692,322
44	Tools, not elsewhere specified	5	71,200	12,600	7,500	41,700	9,400	6			25	13,574
45	Umbrellas and canes	6	629,500	20,000	40,000	83,000	486,500	10	47	39,872	1,187	328,255
46	Watch, clock, and jewelry repairing	17	75,710	5,000	800	33,560	36,350	19	1	550	39	20,643
47	All other industries[1]	63	4,148,575	189,500	545,930	1,542,908	1,870,237	68	106	107,210	2,432	783,882

[1] Embraces awnings, tents, and sails, 1; bags, paper, 1; bookbinding and blank book making, 2; boots and shoes, factory product, 2; boxes, fancy and paper, 1; chocolate and cocoa products, 1; coffins, burial cases, and undertakers' goods, 1; combs, 1; cooperage, 1; cork, cutting, 2; cotton goods, 1; druggists' preparations, not including prescriptions, 1; electrical apparatus and supplies, 1; electrical construction and repairs, 1; electroplating, 1; emery wheels, 1; engraving and diesinking, 2; engraving, wood, 1; fancy articles, not elsewhere specified, 1; fertilizers, 1; files, 1; flouring and grist mill products, 2; furniture, factory product, 1; gas, illuminating and heating, 1; glue, 2; hand stamps, 1; ice, manufactured, 1; iron and steel, 1; ironwork, architectural and ornamental, 2; jewelry, 1; kaolin

McKEESPORT.

1	All industries	180	$17,876,016	$2,066,593	$3,106,296	$6,178,573	$6,524,554	199	523	$497,822	7,605	$4,370,381
2	Bicycle and tricycle repairing	4	16,250		2,800	1,825	11,625	5			4	1,662
3	Blacksmithing and wheelwrighting	11	12,026	4,400	2,550	1,653	3,423	13			5	3,275
4	Boots and shoes, custom work and repairing.	11	2,738			1,105	1,633	11			3	940
5	Bottling	10	187,190	7,063	7,600	26,650	95,877	10	7	4,036	42	21,638
6	Bread and other bakery products	7	43,455	17,500	15,900	3,680	6,375	8	2	682	17	11,609

BY SPECIFIED INDUSTRIES: 1900—Continued.

JOHNSTOWN—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
7	$3,883	6	$1,248			$836	$238	$66	$532		$18,851	$18,681	$170	$30,724	25
28	16,315	4	1,940	1	$90	2,046	1,137	131	754	$24	29,664	29,529	135	68,013	26
7	4,835	1	280	1	166	1,777	1,374	75	328		3,888	3,868	20	17,507	27
245	114,057	19	4,628	25	3,669	45,053	4,064	1,315	39,674		288,221	273,523	14,698	629,698	28

products, including sash, doors, and blinds, 1; mattresses and spring beds, 1; paints, 1; paper hanging, 2; paving and paving materials, 2; roofing and roofing materials, 2; soap and candles, 1; steam fittings and heating apparatus, 1; tin and terne plate, 1; tobacco, cigars and cigarettes, 1; tools, not elsewhere specified, 1; window shades, 2.

LANCASTER.

5,585	$2,416,060	2,954	$774,801	810	$132,887	$1,193,997	$74,812	$33,164	$924,791	$161,730	$8,842,709	$8,187,475	$155,234	$16,370,281	1
10	3,613			3	340	1,832	1,252	5	350	225	7,451	7,156	295	21,398	2
19	9,632					1,779	1,493	191	95		7,523	7,077	446	42,304	3
13	4,562					2,592	2,402	58	132		9,946	9,547	399	30,895	4
34	14,092					2,106	1,052	229	825		63,733	63,391	342	125,097	5
81	25,740	90	19,814	26	2,327	1,619	640	429	550		136,392	134,911	1,481	222,131	6
8	2,220					1,044	600	19	425		60,060	60,035	25	68,090	7
92	39,377	4	910	1	104	5,762	2,571	871	2,320		108,597	103,538	5,059	219,177	8
69	22,970					3,741		341	3,400		10,702	202	10,500	52,275	9
1	300	1	260	1	260	158	144	4	10		1,798	1,780	18	5,004	10
234	124,148					121,939	885	802	2,017	118,235	441,106	440,223	883	786,369	11
17	6,074	5	1,192			1,065	450	190	425		12,818	12,472	346	32,480	12
50	22,947					1,781	174	507	1,100		46,341	45,287	1,054	99,775	13
274	131,070	1	266			14,221	2,050	876	11,295		157,055	154,903	2,152	408,173	14
117	56,619	27	6,019	1	130	6,862	3,637	757	2,318	150	94,996	93,999	997	237,434	15
		136	31,707			5,284	4,985	115	184		44,141	42,434	1,707	136,999	16
3	1,091					211	186	8	17		5,000	4,670	330	8,290	17
173	58,368	276	50,288	263	40,060	46,221	2,847	2,688	40,736		515,921	503,064	12,857	885,446	18
1	300					781	426	7	28	270	359	302	57	3,264	19
230	92,678			2	277	12,894	2,074	1,418	9,077	325	153,396	146,278	7,118	362,394	20
23	9,970					1,723	971	349	403		12,023	11,660	363	34,955	21
71	27,250	7	3,000			1,913	198	315	1,400		63,377	62,475	902	132,000	22
85	32,900					2,404		904	1,500		240,923	237,423	3,500	396,021	23
65	32,764					147,328	1,200	1,480	144,648		101,356	83,790	17,566	358,247	24
174	85,000			30	4,500	3,925	140	500	3,285		81,383	77,365	4,018	248,100	25
75	41,826					2,136		481	1,655		52,359	49,971	2,388	115,450	26
15	9,300					4,071	276	50	445	3,300	31,059	30,641	418	54,290	27
232	98,280					4,973	167	103	803	3,900	546,155	545,683	472	694,573	28
14	7,080	62	19,651	1	78	8,024	4,571	560	2,793	100	77,054	76,306	748	132,903	29
113	54,921					1,376	990	5	381		23,263	23,233	30	44,563	30
				1	300	8,117	2,392	151	574		29,166	28,958	208	122,306	31
12	4,800					3,280	600	180	2,500		68,575	67,475	1,100	97,950	32
13	6,001					1,085	798	1	286		6,363	6,336	27	18,150	33
153	58,138			3	504	1,204	542	61	601		91,953	91,783	170	198,800	34
8	4,554			2	182	2,730	1,740	275	715		8,350	8,141	209	26,375	35
18	9,130					40	40				4,849	4,849		19,393	36
55	25,012			1	156	1,690	1,281	93	316		49,520	49,010	510	104,698	37
58	28,528	11	2,436	2	256	5,914	1,383	584	3,934	63	17,546	16,683	863	73,075	38
196	90,957	3	610	2	334	18,366	2,650	1,021	14,515	180	63,649	60,770	2,879	239,260	39
6	2,680					100	50	20	120		12,940	12,900	40	20,185	40
55	20,246			2	464	2,018	1,399	112	507		47,700	45,422	2,278	111,233	41
69	28,250			1	154	3,267	330	739	2,098	100	72,741	72,243	498	124,630	42
826	392,940	804	269,319	135	30,063	514,348	9,765	1,531	503,052		951,782	942,683	9,099	2,557,787	43
25	13,574					1,867	520	110	1,237		12,495	11,972	523	44,840	44
411	148,950	630	153,605	146	25,700	57,912	3,450	1,497	52,965		1,552,110	1,548,030	4,080	2,694,200	45
37	20,414			2	229	6,431	3,672	182	2,577		31,168	30,727	441	93,819	46
1,350	546,769	897	215,644	185	26,469	160,823	7,369	12,395	106,177	34,882	2,215,515	2,159,677	55,838	3,865,478	47

and other earth grinding, 1; looking-glass and picture frames, 2; mattresses and spring beds, 1; millinery and lace goods, 1; models and patterns, 1; paper goods, not elsewhere specified, 1; patent medicines and compounds, 2; perfumery and cosmetics, 1; pottery, terra cotta, and fire-clay products, 2; sewing machine repairing, 1; shirts, 2; silk and silk goods, 1; slaughtering and meat packing, wholesale, 1; soap and candles, 1; sporting goods, 1; surgical appliances, 1; tobacco, chewing, smoking, and snuff, 2; tobacco, stemming and rehandling, 1; watches, 1; window shades, 1; wirework, including wire rope and cable, 1.

McKEESPORT.

7,331	$4,302,201	96	$24,269	178	$43,911	$428,226	$29,594	$37,797	$300,886	$59,949	$22,309,161	$21,007,172	$1,301,989	$37,074,136	1
3	1,494			1	168	763	397	40	326		2,787	2,614	123	7,701	2
5	3,275					1,115	855	108	152		3,926	3,658	268	19,348	3
2	784			1	156	1,183	1,046	19	118		2,689	2,680	9	9,567	4
42	21,638					20,376	4,320	733	15,323		230,564	230,176	388	329,083	5
15	11,033	1	288	1	288	4,416	1,020	499	2,897		37,405	36,395	1,010	65,909	6

TABLE 8.—MANUFACTURES IN CITIES

McKEESPORT—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
7	Brick and tile	4	$57,500	$5,400	$15,000	$14,800	$22,300	7	5	$1,275	47	$21,004
8	Clothing, men's, custom work and repairing.	17	44,490	2,000	2,000	1,930	38,560	21	3	1,475	53	30,572
9	Clothing, women's, dressmaking	6	1,623			563	1,060	9			5	936
10	Foundry and machine shop products	5	38,987	2,400	5,000	15,345	16,242	6	3	3,922	36	14,935
11	Iron and steel	7	14,100,342	1,791,335	2,628,420	4,496,897	5,192,690		427	431,581	6,753	3,937,803
12	Lumber, planing mill products, including sash, doors, and blinds.	6	145,000	30,250	12,800	12,050	89,900	8	3	800	53	33,904
13	Millinery, custom work	7	31,710	4,000	2,250	2,470	22,990	10	2	1,700	23	7,498
14	Painting, house, sign, etc	3	2,150			700	1,450	4			9	6,024
15	Photography	9	9,810		200	2,975	6,635	10	16	9,560	5	3,266
16	Plumbing, and gas and steam fitting	9	35,936	6,600	1,900	2,050	25,386	12	3	1,286	40	22,040
17	Printing and publishing, newspapers and periodicals.	6	107,886	16,500	28,800	46,400	16,186	4	8	6,507	63	34,949
18	Roofing and roofing materials	3	9,000		150	1,650	7,200	3			13	8,091
19	Saddlery and harness	3	6,920			660	6,260	3			5	3,016
20	Tinsmithing, coppersmithing, and sheet-iron working.	5	24,800	7,000	3,950	2,175	11,681	6			12	9,402
21	Tobacco, cigars and cigarettes	11	6,667	300	1,100	925	4,342	11			20	3,716
22	Watch, clock, and jewelry repairing	8	9,829	500	800	1,584	6,945	8	1	130	7	4,903
23	All other industries[1]	28	3,022,701	171,845	375,076	1,540,486	935,794	30	43	34,868	390	188,548

[1] Embraces awnings, tents, and sails, 1; bookbinding and blank book making, 1; brass castings and brass finishing, 1; carriages and wagons, 2; confectionery, 1; dyeing and cleaning, 1; electrical construction and repairs, 1; furniture, cabinetmaking, repairing, and upholstering, 2; gas, illuminating and heating, 1; ice, manufactured, 1; iron and steel, pipe, wrought, 1; ironwork, architectural and ornamental, 1; liquors, distilled, 1; liquors, malt, 1; lock and gun smithing, 1;

NEWCASTLE.

1	All industries	216	$18,308,220	$722,356	$2,287,442	$6,934,933	$8,363,489	252	198	$243,689	4,992	$3,226,669
2	Blacksmithing and wheelwrighting	18	18,000	4,300	3,100	3,070	7,530	20			11	6,463
3	Boots and shoes, custom work and repairing.	9	2,915	800	1,200	640	275	9			1	475
4	Bread and other bakery products	6	13,848	5,000	4,500	2,350	1,998	6	1	156	22	12,422
5	Carpentering	10	90,350	7,200	4,300	7,850	71,000	16	8	1,420	144	80,695
6	Clothing, men's, custom work and repairing.	16	86,020	700	400	2,030	32,890	21	1	480	81	44,595
7	Clothing, women's, dressmaking	8	1,265			730	535	9			18	3,467
8	Confectionery	5	35,135	5,000	8,000	8,280	13,855	8	8	3,150	20	5,734
9	Dyeing and cleaning	4	8,650	2,900	3,700	1,750	300	4			5	1,860
10	Foundry and machine shop products	6	620,819	54,400	124,325	253,176	188,418	10	16	13,618	312	176,190
11	Furniture, cabinetmaking, repairing, and upholstering.	3	8,934	3,000	1,500	1,450	2,984	3	2	700	18	5,902
12	Iron and steel	10	9,042,734	414,000	1,855,000	5,246,511	2,027,223		91	148,114	3,320	2,226,335
13	Lumber, planing mill products, including sash, doors, and blinds.	7	145,182	13,500	11,945	17,686	102,051	14	8	6,312	71	35,103
14	Marble and stone work	3	8,325	1,350	1,050	725	5,200	5			5	3,750
15	Millinery, custom work	11	37,660	7,900	5,300	660	23,800	15			35	11,676
16	Mineral and soda waters	8	12,250	1,500	4,850	3,500	2,400	3			6	3,120
17	Painting, house, sign, etc	12	3,880	850	700	757	1,573	15			13	8,200
18	Paving and paving materials	3	88,825	21,000	12,000	28,125	27,700	3	5	5,064	42	22,350
19	Photography	3	9,900	4,700	1,900	2,250	1,050	3			3	2,284
20	Plumbing, and gas and steam fitting	9	57,067	10,000	3,000	5,108	38,959	14	5	1,259	44	28,682
21	Printing and publishing, book and job.	3	18,950			15,100	3,850	6	1	150	8	3,150
22	Printing and publishing, newspapers and periodicals.	4	87,298			45,300	41,998	1	3	4,800	48	22,408
23	Roofing and roofing materials	4	11,700	600	800	1,925	8,375	5			16	7,530
24	Saddlery and harness	5	14,775	3,000	3,000	975	7,800	6			4	2,244
25	Tinsmithing, coppersmithing, and sheet-iron working.	5	5,050			1,250	3,800	7			13	6,700
26	Tobacco, cigars and cigarettes	4	3,590			215	3,375	4			11	4,699
27	Watch, clock, and jewelry repairing	11	14,770			4,825	9,945	14			10	5,178
28	All other industries[1]	34	2,910,828	160,656	736,872	1,278,695	734,605	31	54	58,966	711	495,457

[1] Embraces awnings, tents, and sails, 1; bicycle and tricycle repairing, 2; bookbinding and blank book making, 1; bottling, 2; brick and tile, 1; carpets, rag, 1; carriage and wagon materials, 1; carriages and wagons, 1; cooperage, 1; electrical construction and repairs, 1; fireworks, 1; flouring and grist mill products, 2; gas, illuminating and heating, 1; glass, 1; ice, manufactured, 1; iron and steel, pipe, wrought, 1; liquors, malt, 2; lock and gun smithing, 1; masonry, brick and

NORRISTOWN.

1	All industries	210	$4,069,449	$331,393	$779,690	$1,258,400	$1,699,966	227	168	$132,100	3,429	$1,168,942
2	Blacksmithing and wheelwrighting	11	13,890	2,500	4,500	3,800	3,090	12			14	6,291
3	Boots and shoes, custom work and repairing.	20	13,351	3,000	6,050	2,935	1,366	20			9	3,598
4	Bread and other bakery products	10	48,435	5,500	27,500	10,685	4,750	10	5	1,912	31	16,167
5	Carpentering	8	11,195	250	1,050	2,875	7,020	10			63	30,628

BY SPECIFIED INDUSTRIES: 1900—Continued.

McKEESPORT—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
43	$20,474			4	$1,130	$2,554	$514	$117	$1,923		$3,305	$370	$2,935	$35,261	7
37	24,763	16	$5,809			6,392	4,771	130	1,491		34,861	34,830	31	100,475	8
		5	936			982	942		40		2,889	2,889		8,565	9
36	14,985					1,954	1,200	160	594		37,931	36,198	1,233	69,774	10
6,588	3,896,538			165	41,265	209,608		29,298	180,310		20,706,228	19,489,900	1,266,328	34,339,612	11
52	33,744			1	160	62,224	100	418	3,181	$58,525	128,178	127,385	793	240,555	12
		23	7,498			4,507	3,096	141	1,270		26,254	26,254		52,669	13
9	6,024					318	216	10	92		3,532	3,525	7	13,322	14
3	2,850	2	416			2,562	1,782	36	794		7,904	7,881	23	32,818	15
40	22,040					2,370	1,071	89	1,210		37,230	36,932	298	79,028	16
60	34,272	1	469	2	208	9,616	954	364	7,208	1,090	15,635	14,985	650	80,541	17
13	8,091					1,804	440	7	1,357		12,270	12,176	94	29,180	18
5	3,016					1,441	963	18	460		11,923	11,914	9	19,868	19
12	9,402					1,123	360	145	618		13,278	13,193	85	35,419	20
4	1,058	14	2,304	2	354	9,976	1,091	65	8,820		7,257	7,249	8	22,393	21
7	4,903					1,262	834	31	397		3,679	3,679		14,832	22
355	181,817	34	6,549	1	182	81,680	3,672	5,369	72,305	334	979,986	952,289	27,697	1,468,216	23

marble and stone work, 1; mineral and soda waters, 1; monuments and tombstones, 2; patent medicines and compounds, 2; printing and publishing, book and job, 2; regalia and society banners and emblems, 1; ship and boat building, wooden, 1; tin and terne plate, 1.

NEWCASTLE.

4,754	$3,157,196	174	$53,623	64	$15,850	$491,336	$30,377	$53,691	$399,043	$8,225	$13,646,648	$12,245,897	$1,400,751	$21,046,842	1
11	6,463					1,627	1,255	163	209		10,360	9,750	610	34,780	2
1	475					544	517	9	18		2,842	2,716	126	7,687	3
20	11,952	2	470			487	196	205	86		32,202	31,144	1,058	60,553	4
144	80,695					16,539	470	243	8,326	7,500	164,396	164,126	270	344,816	5
42	31,688	38	12,782	1	125	7,022	6,018	80	979		51,164	50,600	564	133,640	6
		18	3,467			910	904		6		228	100	128	10,156	7
11	4,158	9	1,576			6,600	922	191	5,187	300	23,625	23,032	593	50,797	8
3	1,270	2	590			715	205	80	430		2,225	1,875	350	6,470	9
312	176,190					34,886		2,291	32,595		364,138	351,818	12,320	678,325	10
12	4,390	6	1,512			1,314	444	130	740		4,487	4,119	368	21,125	11
3,264	2,211,855			56	14,480	275,090		27,690	247,400		9,735,362	8,438,324	1,297,038	15,123,463	12
71	35,103					3,455	1,675	538	1,242		168,016	167,586	1,030	246,435	13
5	3,750					359	180	21	158		5,951	5,879	72	12,471	14
		35	11,676			3,119	1,710	190	1,219		44,733	43,787	946	73,000	15
5	2,780			1	340	138	25	65	48		5,330	5,275	55	19,309	16
13	3,200					948	853	37	58		9,239	9,097	142	28,925	17
42	22,350					17,238		243	16,995		85,492	82,287	3,205	144,928	18
3	2,284					581	180	77	299	25	3,354	3,232	122	10,500	19
43	28,422	1	260			2,946	1,862	229	855		63,214	62,923	291	118,473	20
7	3,000	1	150			887	763		124		5,172	5,101	71	17,920	21
41	20,258	6	2,000	1	150	2,705	1,564		1,141		15,468	14,620	848	84,390	22
16	7,530					670	466	15	189		29,694	29,547	147	45,253	23
4	2,244					670	490	128	52		7,076	6,990	86	13,362	24
13	6,700					1,075	898	8	169		14,066	13,990	76	28,250	25
7	4,279	2	320	2	100	4,728	750	38	3,940		3,776	3,712	64	15,845	26
10	5,178					4,255	3,060	85	1,110		5,827	5,427	400	20,904	27
654	475,982	54	18,820	3	655	101,828	4,975	20,985	75,468	400	2,788,611	2,708,840	79,771	3,095,056	28

stone, 2; models and patterns, 1; monuments and tombstones, 2; paper and wood pulp, 1; patent medicines and compounds, 1; shirts, 1; sugar and molasses, refining, 1; tin and terne plate, 2; wirework, including wire rope and cable, 1.

NORRISTOWN.

1,744	$742,063	1,458	$391,559	227	$35,320	$418,854	$39,878	$8,738	$362,918	$7,320	$2,467,861	$2,410,849	$57,012	$4,821,745	1
14	6,291					775	668	47	60		9,553	9,121	432	27,737	2
9	3,598					1,196	1,077	91	28		7,773	7,563	210	20,852	3
29	15,554	2	613			3,189	2,556	366	267		37,858	36,490	1,368	71,745	4
63	30,628					247	207	12	28		67,165	67,138	27	127,700	5

TABLE 8.—MANUFACTURES IN CITIES

NORRISTOWN—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
6	Clothing, men's, custom work and repairing.	9	$23,065	$1,000	$6,000	$1,140	$14,925	8	1	$350	30	$14,612
7	Clothing, women's, dressmaking	11	4,290	100	250	1,390	2,550	12			49	9,456
8	Confectionery	4	8,340			615	7,725	4			10	3,752
9	Foundry and machine shop products	9	322,601	22,504	69,050	109,000	122,047	9	14	15,276	237	115,253
10	Furniture, cabinetmaking, repairing, and upholstering.	4	3,575	300	900	925	1,450	4			3	1,678
11	Hosiery and knit goods	5	488,458	27,689	67,984	145,415	247,370	6	21	10,064	678	190,247
12	Lumber, planing mill products, including sash, doors, and blinds.	3	154,684	10,000	21,000	14,350	109,334	5	7	4,436	54	23,941
13	Masonry, brick and stone	3	1,750			700	1,050	6			22	8,420
14	Millinery, custom work	8	44,711	13,000	14,000	11	17,700	8	5	1,340	16	5,216
15	Monuments and tombstones	3	27,650	7,000	4,000	2,650	14,000	4	1	936	9	5,500
16	Painting, house, sign, etc	6	8,460	300	750	1,185	6,225	9	1	125	13	10,218
17	Photography	5	6,500			4,700	1,800	5			1	375
18	Plumbing, and gas and steam fitting	8	65,838	4,000	1,000	8,225	52,613	9	4	2,126	41	20,909
19	Printing and publishing, newspapers and periodicals.	4	189,450	27,000	55,000	86,250	21,200	2	3	5,720	53	21,078
20	Saddlery and harness	4	10,230	1,500	1,800	380	6,550	4			6	2,787
21	Tinsmithing, coppersmithing, and sheet-iron working.	5	9,000	1,000	2,200	2,000	3,800	4			9	4,670
22	Tobacco, cigars and cigarettes	10	263,480	5,700	22,500	9,025	226,255	15	9	14,516	598	168,537
23	Watch, clock, and jewelry repairing	7	5,215	300	1,200	2,575	1,140	7			9	4,626
24	Woolen goods	4	540,881	24,800	85,425	162,022	268,634	1	11	14,054	465	158,222
25	All other industries[1]	49	1,804,400	178,950	387,531	685,547	557,372	53	81	61,245	1,004	343,361

[1] Embraces belting and hose, leather, 1; bicycle and tricycle repairing, 2; bottling, 2; carpets and rugs, other than rag, 2; carpets, rag, 1; carriages and wagons, 1; coffins, burial cases, and undertakers' goods, 1; cotton goods, 1; dyeing and cleaning, 1; flouring and grist mill products, 2; fur hats, 1; gas, illuminating and heating, 1; glass, 1; hats and caps, not including fur hats and wool hats, 2; ice, manufactured, 2; ink, writing, 1; iron and steel, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; liquors, malt, 1; lock and gun smithing, 1; looking-glass and picture frames, 1; marble and stone work, 2;

PHILADELPHIA.

1	All industries	15,887	$476,529,407	$43,726,855	$64,859,709	$113,918,281	$254,024,562	18,062	19,113	$20,154,836	246,445	$111,847,076
2	Agricultural implements	3	536,731	42,500	138,963	63,418	291,850	4	49	55,956	204	111,271
3	Artificial feathers and flowers	24	544,251	42,700	33,500	49,675	418,376	34	42	52,948	873	208,869
4	Artificial limbs	6	9,710			4,055	5,655	6	1	1,300	5	2,975
5	Awnings, tents, and sails	46	152,625	900	600	30,110	121,015	50	6	5,225	190	88,471
6	Babbitt metal and solder	3	19,723			500	19,223	3	1	400	13	5,703
7	Bags, other than paper	3	41,250			9,250	32,000	6	2	2,020	29	10,425
8	Bags, paper	7	53,627			19,152	34,475	7	7	6,921	88	31,041
9	Baking and yeast powders	5	32,550	1,200	5,000	8,150	18,200	5	1	780	17	8,326
10	Baskets, and rattan and willow ware	28	22,042	2,800	2,704	1,086	15,452	29	1	520	33	11,166
11	Belting and hose, leather	5	340,055	6,000	20,570	35,448	278,037	8	15	9,225	60	35,309
12	Bicycle and tricycle repairing	191	180,812	6,750	8,535	64,037	101,490	209	19	11,081	179	73,240
13	Bicycles and tricycles	11	165,850	3,000	5,000	21,000	136,850	18	10	7,430	72	41,774
14	Billiard tables and materials	5	47,435	4,000	3,000	1,935	38,500	6	2	1,560	17	9,986
15	Blacking	10	379,204	20,000	35,688	43,125	280,391	10	57	57,674	141	48,055
16	Blacksmithing and wheelwrighting	414	776,254	225,775	185,886	118,605	245,988	456	5	4,286	706	430,133
17	Bluing	6	35,175	6,800	8,200	4,575	15,600	7			17	5,491
18	Bookbinding and blank book making	66	1,122,895	1,500	1,000	462,148	658,247	82	75	75,498	1,281	535,064
19	Boot and shoe cut stock	4	114,555			5,505	109,050	7	10	7,600	21	8,050
20	Boot and shoe uppers	13	31,380	11,950	10,150	1,915	7,365	14			25	12,538
21	Boots and shoes, custom work and repairing.	1,018	439,283	74,150	113,185	102,887	149,161	1,033	15	9,701	483	190,375
22	Boots and shoes, factory product	63	2,658,489	97,700	203,420	586,112	1,771,257	97	214	215,965	3,782	1,574,054
23	Bottling	218	1,666,976	269,900	290,044	167,259	939,773	234	72	65,435	579	304,236
24	Boxes, cigar	10	190,404	20,000	15,000	35,115	120,289	14	9	5,500	202	66,328
25	Boxes, fancy and paper	50	1,597,911	110,000	190,026	487,615	810,270	55	110	98,797	2,709	768,565
26	Boxes, wooden packing	29	663,499	89,800	108,500	146,054	319,145	33	35	27,819	582	253,718
27	Brass castings and brass finishing	33	1,805,055	188,500	191,878	358,765	1,065,912	40	95	108,712	704	345,376
28	Brassware	17	516,639	43,500	49,000	188,018	236,121	20	29	22,150	400	124,516
29	Bread and other bakery products	1,299	4,992,196	1,059,333	1,550,681	1,096,238	1,285,944	1,320	458	349,696	3,273	1,569,163
30	Brick and tile	37	2,448,668	541,496	590,913	417,874	898,385	49	47	53,593	1,451	678,201
31	Bridges	6	224,700	1,100	1,100	113,500	109,000	8	16	17,700	570	293,360
32	Bronze castings	3	229,692	27,000	26,000	40,200	136,492	3	18	26,468	105	57,093
33	Brooms and brushes	69	466,076	35,500	36,250	36,380	357,946	80	45	40,476	472	199,541
34	Buttons	17	376,982	21,500	27,580	140,478	187,424	26	25	26,992	626	215,566
35	Calcium lights	3	12,039			4,700	7,339	3	1	1,000	7	2,886
36	Card cutting and designing	16	99,132	3,000	2,600	40,779	52,753	21	1	520	113	54,540
37	Carpentering	731	5,048,534	331,720	376,148	456,626	3,884,040	838	210	172,775	4,337	2,747,800
38	Carpets and rugs, other than rag	88	16,366,764	916,375	2,527,255	4,774,463	8,648,671	102	296	330,155	12,190	5,092,252
39	Carpets, rag	55	149,901	22,675	51,100	18,637	57,489	63	4	2,380	227	72,531
40	Carpets, wood	4	38,699			6,050	32,649	9	10	5,430	57	24,634
41	Carriage and wagon materials	9	399,363	57,000	52,000	80,275	210,088	13	12	20,647	118	64,664

BY SPECIFIED INDUSTRIES: 1900—Continued.

NORRISTOWN—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
16	$10,920	13	$3,484	1	$208	$2,378	$1,812	$40	$526		$23,095	$22,779	$316	$50,334	6
		49	9,456			1,089	1,074	5	10		6,640	6,450	190	23,475	7
8	2,572	1	100	1	80	1,590	1,410		180		9,516	9,211	305	18,784	8
236	115,045	1	208			7,943	929	582	6,282	$150	165,055	156,812	8,243	348,328	9
2	1,314	1	364			194	167	11	16		5,270	5,145	125	10,890	10
109	43,814	464	131,409	105	15,024	29,265	700	711	27,854		456,344	453,934	2,410	793,698	11
54	23,941					3,670	600	477	2,593		39,027	39,027		91,100	12
22	8,420										1,586	1,586		16,483	13
		16	5,216			1,474	1,234	205	35		21,261	21,011	250	35,156	14
9	5,500					1,196	620	51	525		13,752	13,555	197	23,253	15
18	10,218					338	274	18	51		7,850	7,670	180	27,288	16
		1	375			592	484		108		4,208	4,100	108	7,734	17
41	20,909					3,058	2,024	46	988		72,757	72,489	268	125,230	18
48	19,486	5	1,592			5,887	1,600	424	3,863		14,119	12,479	1,640	58,961	19
6	2,787					644	512	30	102		5,717	5,670	47	11,640	20
9	4,670					502	444	42	16		5,301	5,200	101	15,033	21
128	55,487	421	105,550	49	7,500	125,356	1,500	275	123,581		225,783	224,289	1,494	562,073	22
9	4,026					719	655	21	43		1,730	1,670	60	13,600	23
253	96,243	180	56,075	82	5,904	32,451		660	31,791		385,858	376,270	9,588	690,879	24
661	259,640	304	77,117	39	6,604	195,101	19,331	4,629	163,971	7,170	880,643	851,190	29,453	1,649,772	25

mineral and soda waters, 1; oilcloth, enameled, 1; optical goods, 1; paper hanging, 2; patent medicines and compounds, 2; paving and paving materials, 1; plastering and stuccowork, 2; pottery, terra cotta, and fire-clay products, 1; printing and publishing, book and job, 1; roofing and roofing materials, 2; shirts, 1; slaughtering, wholesale, not including meat packing, 1; steam packing, 1; tobacco, chewing, smoking, and snuff, 1; wire, 1; wood, turned and carved, 1.

PHILADELPHIA.

172,011	$91,540,077	61,688	$18,151,177	12,746	$2,155,822	$55,575,685	$5,607,288	$1,222,710	$28,978,408	$19,767,279	$326,877,441	$320,684,140	$6,193,301	$603,466,526	1
204	111,271					44,329		1,486	42,843		177,453	166,573	10,880	416,930	2
84	40,135	521	137,021	268	31,713	53,790	17,508	1,018	34,264	1,000	466,724	464,350	2,374	948,763	3
5	2,975					1,599	1,075		524		4,627	4,574	53	21,747	4
119	70,435	69	17,706	2	330	20,229	12,203	46	7,980		223,762	222,573	1,189	468,926	5
13	5,703					1,199	1,130	22	47		45,509	44,914	595	63,310	6
8	4,650	21	5,775			2,446	1,924	45	477		85,220	84,970	250	130,208	7
48	22,381	40	8,660			4,826	3,272	144	1,410		111,814	111,079	735	215,240	8
17	8,326					2,395	1,450	70	875		37,525	36,723	802	70,001	9
28	10,426	1	208	4	532	3,054	2,455	101	498		24,119	24,021	98	58,678	10
58	34,940			2	360	8,109	2,930	308	4,871		299,402	297,719	1,683	427,964	11
168	76,284			11	1,956	36,164	28,951	356	5,687	1,170	188,389	184,042	4,297	407,771	12
72	41,774					20,878	5,015	103	10,760	5,000	198,603	191,398	2,205	239,900	13
17	9,986					2,185	1,068	80	1,037		24,565	24,485	80	51,837	14
46	22,117	85	24,191	10	1,747	46,674	9,652	1,144	35,878		229,552	226,600	2,952	491,278	15
695	428,093			11	2,045	65,405	51,368	5,342	8,195	500	278,365	258,106	20,259	1,281,850	16
7	2,941	3	800	7	1,750	1,136	390	231	515		18,699	18,377	322	37,694	17
635	358,247	579	167,752	67	9,065	104,851	59,003	507	36,908	8,433	539,408	529,793	9,615	1,571,502	18
21	8,050					1,142	898		244		368,224	366,895	1,329	406,000	19
20	10,266	5	2,272			1,988	664	246	928	150	32,004	31,781	223	57,641	20
464	184,697	16	5,245	3	433	124,104	95,455	3,138	16,171	9,340	342,689	336,065	6,624	1,216,926	21
2,194	1,095,170	1,303	399,810	285	79,071	343,545	37,815	3,434	298,123	4,173	3,360,157	3,334,815	25,342	5,931,045	22
573	302,582	2	624	4	1,030	287,881	42,360	125,697	119,408	416	5,247,663	5,238,927	8,736	6,548,604	23
130	47,287	71	18,841	1	200	23,974	1,766	450	21,758		194,671	192,877	1,794	338,696	24
578	249,252	1,825	415,896	306	43,417	134,045	46,722	3,660	83,663		1,005,931	989,509	16,422	2,412,687	25
572	251,834			10	1,884	82,928	9,284	2,599	21,045		890,441	881,074	9,367	1,411,781	26
700	343,326	4	2,050			123,128	14,120	5,262	103,179	567	1,682,196	1,654,887	27,309	2,554,629	27
256	97,737	59	13,863	85	12,916	29,336	10,047	850	18,239	200	218,635	212,691	5,944	490,063	28
2,825	1,454,688	376	101,716	72	12,759	440,127	156,384	39,564	244,060	119	5,709,048	5,542,153	166,895	10,464,689	29
1,430	673,296			21	4,905	195,100	49,088	6,433	139,579		283,085	78,281	204,804	1,497,304	30
570	293,300					77,110	1,420	15	6,825	69,350	470,880	464,430	6,450	1,022,390	31
105	67,093					82,530	1,800	592	28,608	1,530	284,816	279,325	5,491	470,042	32
358	176,340	83	18,058	31	5,143	35,358	19,509	1,081	14,593	175	476,504	472,669	3,835	938,245	33
289	139,132	277	67,454	60	8,980	15,556	6,823	810	7,743	180	330,600	326,685	3,915	728,805	34
7	2,886					1,432	1,004		428		3,286	2,768	518	17,774	35
106	51,520	3	2,400	4	620	6,877	3,030	128	2,183	1,536	37,244	36,446	798	150,414	36
4,327	2,744,818			10	2,982	10,596,845	77,614	11,307	120,221	10,387,703	5,072,603	5,059,009	13,594	21,751,145	37
6,157	3,095,414	5,268	1,876,093	765	120,745	1,448,363	95,074	38,946	1,039,697	279,646	13,223,263	13,015,552	207,711	21,986,062	38
201	66,808	25	5,554	1	169	13,034	4,776	970	3,510	3,778	116,970	115,979	991	269,080	39
57	24,634					10,618	3,710		6,908		76,273	74,856	1,417	165,148	40
112	63,294			6	1,370	18,469	3,102	1,384	11,483	2,000	122,855	116,420	6,435	219,773	41

TABLE 8.—MANUFACTURES IN CITIES

PHILADELPHIA—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
42	Carriages and sleds, children's	6	$104,841			$4,669	$99,672	9	16	$8,844	109	$59,634
43	Carriages and wagons	133	2,126,386	$515,534	$511,195	191,025	908,632	167	63	70,359	1,400	746,395
44	Cars and general shop construction and repairs by steam railroad companies.	10	1,433,997	422,759	491,440	216,320	303,478		81	71,945	2,780	1,609,055
45	Cheese and butter, urban dairy products.	3	9,500	2,500	4,500	1,850	650	4			2	775
46	Cheese, butter, and condensed milk, factory product.	3	32,989	2,500	4,000	13,000	13,489	4	1	525	10	5,371
47	Chemicals	24	13,400,479	1,156,405	2,130,151	2,612,832	7,501,091	4	248	391,014	1,917	1,026,013
48	China decorating	12	26,905	12,050	6,550	2,523	5,782	12			16	7,809
49	Cleansing and polishing preparations	10	33,350	300	700	4,155	28,195	10	22	12,594	12	4,167
50	Cloth, sponging and refinishing	3	51,339	8,000	5,000	19,484	18,855	3	4	8,990	50	21,750
51	Clothing, horse	6	135,650			13,450	122,200	10	13	11,940	144	41,603
52	Clothing, men's, custom work and repairing.	750	2,685,896	196,740	179,545	118,879	2,190,732	844	198	159,497	2,576	1,297,082
53	Clothing, men's, factory product	397	8,141,180	187,640	188,000	228,213	7,537,327	535	587	647,942	6,463	3,301,070
54	Clothing, men's, factory product, buttonholes.	18	16,495			12,190	4,305	19	1	760	140	47,763
55	Clothing, women's, dressmaking	482	647,935	49,775	85,400	68,013	444,747	522	39	27,885	2,070	675,635
56	Clothing, women's, factory product	191	3,384,850	8,000	13,500	399,501	2,963,849	283	510	427,558	6,233	2,122,028
57	Coffee and spice, roasting and grinding	43	1,167,821	83,500	110,400	178,808	795,113	60	185	176,686	308	137,379
58	Coffins, burial cases, and undertakers' goods.	4	46,760	800	1,600	560	43,800	5			21	9,693
59	Combs	4	86,515	12,000	5,000	20,044	49,471	9			156	55,350
60	Confectionery	338	3,235,945	502,050	623,680	727,339	1,382,876	381	414	330,781	2,622	870,441
61	Cooperage	58	1,097,868	209,980	179,338	51,740	656,805	67	15	14,936	331	167,129
62	Cordage and twine	9	3,906,458	229,900	312,700	796,650	2,567,208	12	59	73,255	1,168	398,905
63	Cork, cutting	6	161,345	10,800	28,164	35,688	86,693	8	9	10,604	161	34,745
64	Corsets	13	74,970	2,300	1,500	16,465	54,705	13	10	12,100	149	50,852
65	Cotton goods	122	12,541,083	661,041	1,582,915	4,342,514	5,954,613	174	361	457,239	9,334	3,573,636
66	Cotton small wares	21	1,839,258	107,500	215,500	578,734	937,524	32	39	55,674	1,361	435,807
67	Cotton waste	9	235,405	13,500	29,100	36,925	155,880	11	7	9,230	62	32,450
68	Crucibles	4	582,074	30,000	105,601	100,780	345,693	10	7	12,049	66	38,008
69	Cutlery and edge tools	11	264,303	25,500	53,800	96,350	88,653	14	15	13,078	115	59,600
70	Dentists' materials	17	1,278,171	120,000	217,000	202,028	739,143	20	66	64,134	590	314,017
71	Druggists' preparations, not including prescriptions.	15	4,513,682	193,700	459,406	421,717	3,438,859	18	312	352,200	1,172	408,289
72	Dyeing and cleaning	100	270,520	59,050	69,770	84,778	56,922	106	27	11,908	228	103,485
73	Dyeing and finishing textiles	91	4,981,389	690,662	908,848	1,757,929	1,623,950	143	164	172,043	3,455	1,578,434
74	Dye stuffs and extracts	3	53,912	10,000	15,000	13,150	15,762	4			17	7,975
75	Electrical apparatus and supplies	40	3,662,910	60,000	131,846	613,782	2,857,332	33	143	196,385	1,253	490,921
76	Electrical construction and repairs	66	304,632	9,000	2,000	55,485	238,147	80	47	45,625	385	218,820
77	Electroplating	34	106,151	5,000	1,000	58,250	41,901	45	6	4,976	141	63,708
78	Enameling and enameled goods	8	49,350	9,000	8,600	22,540	9,210	9	4	1,415	22	7,635
79	Engraving and diesinking	45	51,387			33,530	17,857	52	1	1,010	67	35,257
80	Engraving, steel, including plate printing.	30	369,567	18,750	28,000	186,245	136,572	43	79	50,800	530	257,110
81	Engraving, wood	16	53,850	5,500	3,000	2,950	42,400	20	1	1,000	24	12,964
82	Envelopes	5	176,084			78,498	97,586	9	19	13,858	139	47,707
83	Fancy articles, not elsewhere specified	26	254,917	2,500	7,500	53,200	191,717	30	32	13,231	326	81,942
84	Fertilizers	6	2,330,918	371,838	347,753	253,443	1,357,884	3	96	136,657	443	218,913
85	Files	8	1,201,810	106,324	154,676	422,218	518,592	10	33	51,106	918	350,229
86	Flags and banners	3	9,268	1,000	1,200	606	6,462	3	2	1,352	10	4,028
87	Flavoring extracts	17	144,592	9,000	13,500	12,729	109,363	22	16	12,328	38	14,749
88	Flouring and grist mill products	17	340,595	58,400	53,809	62,700	165,686	22	15	15,510	71	40,398
89	Food preparations	34	638,985	65,400	69,558	113,780	390,247	43	120	73,087	368	138,362
90	Foundry and machine shop products	370	45,935,567	5,191,017	6,123,678	10,705,850	23,915,022	427	1,575	1,807,479	19,643	11,176,259
91	Fur goods	45	545,646	5,450	10,820	23,326	506,050	52	53	26,916	229	126,882
92	Fur hats	12	5,051,084	793,690	1,285,152	619,602	2,352,640	11	159	248,552	2,116	803,494
93	Furnishing goods, men's	32	642,568	8,500	7,500	78,028	548,540	46	128	131,791	988	301,437
94	Furniture, cabinetmaking, repairing, and upholstering.	351	727,119	72,850	103,725	76,499	474,045	389	34	29,965	880	469,969
95	Furniture, factory product	77	3,102,995	369,850	433,596	392,891	1,906,658	102	162	201,185	2,391	1,240,940
96	Galvanizing	4	183,560	80,000	17,000	17,826	68,734	6	9	11,956	122	51,448
97	Gas and lamp fixtures	22	1,597,581	52,500	74,230	292,058	1,178,793	22	105	116,480	937	462,754
98	Gas, illuminating and heating	3	21,745,611	1,437,948	1,391,539	17,042,515	1,873,609		291	285,093	2,560	1,201,347
99	Gas machines and meters	5	553,146	75,000	45,000	69,100	364,046	8	18	16,446	405	217,746
100	Glass	8	1,258,450	225,000	286,831	144,678	601,941	8	66	85,307	1,529	618,047
101	Glass, cutting, staining, and ornamenting.	41	246,190	8,500	9,300	58,212	170,178	48	43	32,298	385	197,563
102	Glue	3	1,911,949	105,000	140,000	135,200	1,531,749	6	17	32,000	437	171,089
103	Gold and silver, leaf and foil	8	408,894	58,900	92,900	47,602	214,492	12	6	5,268	189	87,730
104	Gold and silver, reducing and refining, not from the ore.	6	38,565	6,000	10,000	14,153	8,412	4	3	2,094	7	4,216
105	Grease and tallow	11	1,213,007	122,300	294,000	359,703	437,004	9	34	42,240	278	145,500
106	Hairwork	27	103,125	34,500	16,500	8,885	43,240	30	2	1,600	33	30,912
107	Hand knit goods	8	15,795	1,075	1,200	2,770	10,750	9			44	8,400
108	Hand stamps	18	176,877	11,000	7,500	78,161	80,216	19	14	15,425	101	50,480
109	Hardware	22	2,369,329	449,000	358,779	569,628	991,922	25	81	60,520	1,273	595,482
110	Hardware, saddlery	3	14,500	1,000	1,000	2,400	10,100	3	3	2,166	16	7,584
111	Hat and cap materials	6	88,200	12,000	8,000	5,600	62,600	8	2	1,500	27	11,350

BY SPECIFIED INDUSTRIES: 1900—Continued.

PHILADELPHIA—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
96	$55,884	9	$3,150	4	$600	$30,475	$5,980	$71	$24,424	------	$103,953	$103,153	$800	$239,442	42
1,396	745,710	2	450	2	235	150,483	33,936	11,810	98,773	$5,964	607,331	585,807	21,524	1,960,779	43
2,717	1,596,045	63	13,010	------	------	24,631	------	6,972	17,659	------	1,945,770	1,920,320	25,450	3,651,401	44
2	775	------	------	------	------	40	------	36	4	------	6,432	6,237	195	7,588	45
10	5,871	------	------	------	------	4,274	2,150	72	2,052	------	76,264	75,108	1,156	96,409	46
1,701	965,483	208	58,702	8	1,828	454,636	13,525	26,125	414,986	------	4,333,716	4,077,927	255,789	7,810,456	47
12	6,317	4	1,492	------	------	2,153	1,584	323	246	------	7,806	6,895	911	32,760	48
8	2,957	4	1,210	------	------	9,483	1,227	63	8,193	------	17,614	17,290	324	50,598	49
49	21,650	------	------	1	100	7,431	2,280	170	4,981	------	2,558	1,265	1,293	52,548	50
25	10,618	92	25,526	27	5,459	29,920	5,550	------	1,870	22,500	248,779	247,726	1,053	388,760	51
2,048	1,125,347	483	164,021	50	7,714	591,295	237,536	5,819	146,782	201,208	2,034,858	2,018,415	16,443	5,616,886	52
4,177	2,593,569	2,121	677,175	165	30,326	1,998,753	213,176	5,050	320,154	1,460,373	9,629,915	9,597,511	32,404	18,802,637	53
76	31,212	49	14,456	15	2,095	3,959	2,614	------	1,345	------	16,383	15,579	804	102,181	54
218	132,844	1,834	540,568	18	2,223	112,179	86,435	2,247	21,973	1,524	792,929	786,284	6,645	2,240,090	55
1,803	978,808	4,367	1,138,231	63	9,989	465,679	133,363	5,608	230,216	96,492	5,039,999	5,009,491	30,508	9,452,259	56
228	116,209	79	21,014	1	156	80,918	29,259	3,108	57,551	------	1,905,633	1,885,666	19,967	2,642,080	57
13	7,564	8	2,134	------	------	2,718	1,560	18	1,140	------	15,133	15,057	76	40,680	58
117	47,112	24	5,326	15	2,912	5,044	1,402	245	3,307	------	100,406	98,124	2,282	185,143	59
1,182	561,323	1,288	288,602	152	20,516	329,087	93,516	15,806	219,495	270	3,423,298	3,367,690	55,608	6,090,815	60
331	167,129	------	------	------	------	127,670	20,420	4,889	18,663	83,698	1,025,142	1,019,378	5,764	1,490,119	61
535	255,958	529	127,955	104	14,992	65,032	2,100	3,572	59,360	------	4,210,942	4,197,714	13,228	5,291,239	62
75	21,262	47	8,250	39	5,233	29,650	2,064	304	27,282	------	102,922	101,595	1,327	195,907	63
11	7,118	123	41,799	15	1,935	5,134	4,356	40	738	------	67,404	67,124	280	178,096	64
4,383	2,086,936	4,055	1,343,190	896	143,410	1,371,465	123,714	26,205	754,507	467,039	8,249,823	8,050,137	199,686	15,723,654	65
295	137,064	970	281,583	96	17,160	196,405	20,562	4,222	81,211	90,410	862,620	841,218	21,402	1,896,044	66
58	31,360	4	1,090	------	------	13,365	4,188	688	8,239	250	479,317	474,735	4,582	583,894	67
66	38,008	------	------	------	------	10,446	1,200	1,688	7,658	------	495,403	487,205	8,198	689,307	68
115	59,600	------	------	------	------	6,030	1,180	726	4,174	------	38,647	31,946	6,701	182,124	69
368	224,680	219	88,817	8	520	55,460	11,446	5,102	38,912	------	937,764	927,333	10,431	1,736,976	70
384	206,336	781	200,723	7	1,230	525,523	25,981	3,808	435,734	60,000	2,000,476	1,979,291	21,185	3,900,189	71
143	74,668	82	28,296	3	521	41,597	13,761	2,329	24,132	1,375	59,618	52,787	6,831	348,200	72
3,037	1,483,556	200	54,662	218	40,216	411,749	67,182	25,293	316,369	2,905	2,440,916	2,165,715	275,201	5,562,099	73
11	6,600	5	1,250	1	125	3,886	260	175	3,390	61	27,249	26,459	790	49,200	74
991	434,341	139	34,697	123	21,883	461,266	37,576	7,467	247,611	168,612	2,198,146	2,157,594	40,552	4,230,619	75
377	216,475	------	------	8	2,345	68,402	20,052	145	16,915	26,290	435,960	433,534	2,426	945,522	76
129	60,345	8	2,751	4	612	13,157	10,608	42	2,507	------	40,440	36,016	4,424	189,808	77
14	6,087	8	1,548	------	------	2,311	1,068	165	910	168	10,252	9,686	566	30,485	78
62	34,326	1	300	4	631	8,500	7,125	11	1,364	------	13,883	12,561	1,322	123,261	79
321	197,654	194	57,336	15	2,120	51,098	18,297	649	31,152	1,000	176,492	171,922	4,570	703,526	80
23	12,808	------	------	1	156	7,203	1,665	148	890	4,500	3,781	3,729	52	46,631	81
33	14,930	100	31,841	6	936	14,169	7,720	132	6,317	------	101,916	99,083	2,833	243,486	82
111	42,101	208	38,474	7	1,367	21,003	11,203	167	8,633	1,000	179,739	168,618	2,121	417,828	83
443	218,943	------	------	------	------	162,851	13,114	6,828	134,186	8,723	1,755,111	1,727,332	27,779	2,375,750	84
661	291,230	117	34,692	140	24,307	97,668	3,850	4,091	89,677	50	372,900	342,106	30,794	1,013,598	85
6	3,073	4	955	------	------	925	520	41	364	------	2,465	2,450	15	12,811	86
31	12,709	7	2,040	------	------	17,813	5,097	303	10,363	2,050	116,759	116,391	368	242,250	87
71	40,398	------	------	------	------	21,660	7,240	1,193	13,227	------	1,215,265	1,204,505	10,760	1,380,063	88
255	110,807	106	26,505	7	1,050	105,982	10,804	1,792	93,386	------	750,024	742,069	7,955	1,232,722	89
19,438	11,184,969	40	12,381	165	28,909	2,083,940	223,205	101,738	1,628,226	130,771	18,551,390	18,042,312	509,078	38,372,971	90
77	68,997	146	56,879	6	1,006	60,267	32,083	218	27,761	210	317,139	315,291	1,848	752,285	91
1,515	743,035	504	135,293	97	15,166	305,904	7,316	5,574	272,329	19,885	1,090,428	1,064,674	25,754	3,075,470	92
162	77,980	797	219,233	29	4,224	57,180	20,736	393	36,051	------	1,308,985	1,304,933	4,052	2,057,686	93
727	420,166	145	48,372	8	1,431	158,248	68,963	2,860	32,448	53,977	635,629	629,607	6,022	1,905,494	94
2,342	1,229,623	18	5,820	31	5,497	233,359	55,481	9,954	165,124	2,800	1,912,327	1,885,462	26,865	4,416,703	95
122	61,448	------	------	------	------	11,409	2,064	489	8,856	------	146,406	141,416	4,990	296,326	96
897	452,435	27	7,095	13	3,224	132,496	37,154	2,843	88,999	3,500	793,693	774,881	18,812	1,748,198	97
2,560	1,201,347	------	------	------	------	694,339	351,469	3,498	339,372	------	2,661,482	2,630,728	30,754	5,578,873	98
389	213,900	13	3,300	3	546	8,673	3,215	1,248	3,910	300	299,615	292,982	6,633	715,185	99
1,100	545,781	102	24,340	327	47,926	62,423	1,114	6,014	53,795	1,500	387,750	305,903	81,847	1,347,011	100
336	186,787	28	7,583	21	3,193	35,333	17,489	353	16,886	605	163,104	156,355	6,749	544,801	101
409	163,809	3	780	25	6,500	159,022	108	12,314	146,600	------	901,940	849,918	52,022	1,291,204	102
137	73,794	44	12,304	8	1,632	4,072	729	1,792	1,551	------	341,534	339,879	1,655	483,192	103
6	3,956	1	260	------	------	3,240	1,884	31	1,325	------	90,679	90,255	424	114,109	104
278	145,500	------	------	------	------	130,404	7,760	4,832	117,812	------	1,466,694	1,429,469	37,225	1,978,545	105
14	9,034	68	21,696	1	182	7,416	4,620	813	1,643	340	39,509	38,881	628	119,329	106
------	------	44	8,400	------	------	1,600	856	42	178	524	7,650	7,605	45	33,363	107
81	46,706	11	2,200	9	1,574	12,060	5,436	280	6,344	------	39,860	37,454	1,906	151,427	108
1,193	572,051	48	15,630	37	7,801	145,882	6,557	13,570	125,295	460	594,225	567,052	27,173	1,761,875	109
14	7,324	------	------	2	260	651	435	37	179	------	10,700	9,972	728	27,555	110
17	8,966	7	1,760	3	624	4,282	2,870	360	1,052	------	99,586	99,460	126	136,821	111

TABLE 8.—MANUFACTURES IN CITIES

PHILADELPHIA—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
112	Hats and caps, not including fur hats and wool hats.	66	$180,147	$27,800	$22,200	$91,522	$347,625	88	62	$56,935	772	$291,414
113	Hosiery and knit goods	142	10,024,606	465,582	1,098,599	3,426,783	5,033,642	171	364	388,426	11,944	3,567,087
114	House furnishing goods, not elsewhere specified.	11	455,278	28,000	83,000	80,057	264,221	15	29	18,751	261	79,470
115	Ice, manufactured	20	3,158,914	455,850	644,551	1,653,575	404,938	3	117	71,435	345	191,465
116	Ink, printing	7	471,006	78,000	47,000	74,099	276,907	7	29	60,824	78	47,947
117	Ink, writing	3	17,003	250	750	1,175	14,828	4	2	2,500	9	3,492
118	Instruments, professional and scientific	32	700,443	33,000	65,720	236,903	364,820	49	42	31,049	555	291,649
119	Iron and steel	8	6,069,671	829,594	484,119	1,242,299	3,513,659	6	213	298,804	2,815	1,866,572
120	Iron and steel, bolts, nuts, washers, and rivets.	7	1,802,846	368,000	172,080	604,105	658,061	9	35	50,750	1,178	368,337
121	Iron and steel, forgings	7	196,664	6,000	8,500	78,146	104,018	10	12	14,400	184	127,080
122	Ironwork, architectural and ornamental.	46	1,493,811	157,400	181,120	363,290	792,001	54	86	82,342	876	476,269
123	Ivory and bone work	6	89,190	1,000	3,000	24,500	60,690	6	6	7,000	107	39,454
124	Japanning	6	26,680	2,000	8,000	3,870	12,810	7	1	300	23	8,753
125	Jewelry	19	679,287	15,000	5,000	116,473	542,814	25	53	37,027	402	183,493
126	Jewelry and instrument cases	6	54,750			13,300	41,450	8	5	2,560	76	28,928
127	Jute and jute goods	4	926,800	128,700	131,844	120,500	545,756	4	9	7,948	619	168,455
128	Kaolin and other earth grinding	5	178,593	48,500	42,264	30,238	57,591	4	10	19,840	57	28,433
129	Kindling wood	5	30,400	6,500	7,250	6,600	10,050	7	1	780	32	12,918
130	Labels and tags	7	45,595			23,200	22,395	9	8	7,116	62	12,507
131	Lamps and reflectors	9	151,066			23,860	127,206	12	20	21,810	154	79,945
132	Lapidary work	3	3,800			700	3,100	3			4	3,000
133	Lasts	5	100,676	18,000	19,922	21,494	41,260	5	4	4,134	72	36,914
134	Lead, bar, pipe, and sheet	5	550,786	118,000	78,000	131,625	223,111	9	11	11,145	71	43,681
135	Leather goods	19	827,001	60,400	44,300	90,459	631,842	29	98	103,762	1,168	360,868
136	Leather, tanned, curried, and finished	44	9,105,989	475,294	1,506,212	965,698	6,158,785	65	169	184,746	5,781	2,529,120
137	Lime and cement	4	871,991	106,751	92,554	87,008	85,678	2	16	13,257	30	23,136
138	Liquors, malt	59	27,636,289	3,118,209	9,638,933	4,876,147	10,003,000	50	303	652,148	1,791	1,229,248
139	Lithographing and engraving	22	1,022,118	18,000	24,000	654,737	325,381	25	46	57,234	609	264,467
140	Lock and gun smithing	126	129,139	17,620	32,177	32,274	47,068	132	1	156	70	36,094
141	Looking-glass and picture frames	74	368,843	3,300	3,200	52,145	310,198	93	65	41,934	309	142,379
142	Lumber and timber products	4	289,200	65,600	40,000	53,100	130,500	5	10	1,380	100	44,936
143	Lumber, planing mill products, including sash, doors, and blinds.	37	2,670,749	441,750	324,358	328,076	1,576,565	44	112	114,361	1,605	807,418
144	Malt	3	644,000	70,000	110,000	21,000	443,000	2	11	22,950	33	18,652
145	Mantels, slate, marble, and marbleized	5	59,478	3,500	7,500	2,835	45,638	4	12	9,570	35	20,220
146	Marble and stone work	78	2,126,726	597,560	130,330	260,864	1,137,972	108	53	51,982	1,028	652,395
147	Masonry, brick and stone	264	4,910,820	537,350	721,500	403,426	3,248,544	319	142	133,872	4,397	2,906,682
148	Mattresses and spring beds	37	335,773	11,700	15,000	54,177	254,896	35	43	25,907	339	139,131
149	Millinery and lace goods	37	606,892	97,000	48,500	63,897	397,495	48	52	44,612	759	275,061
150	Millinery, custom work	211	723,867	164,280	118,475	13,731	427,381	241	69	29,228	742	254,704
151	Mineral and soda waters	51	403,296	26,300	58,700	196,649	126,647	70	39	26,952	169	80,330
152	Mirrors	4	56,210			5,060	51,150	3	4	4,250	42	21,126
153	Models and patterns	40	273,264	3,000	9,500	70,760	190,004	49	8	7,920	270	160,890
154	Monuments and tombstones	41	337,256	34,850	39,010	19,040	194,356	50	9	7,076	214	145,852
155	Mucilage and paste	12	263,088			31,857	231,231	12	34	35,084	80	23,483
156	Musical instruments and materials, not specified.	16	152,008	11,900	15,600	26,990	97,518	22	7	3,830	70	40,703
157	Musical instruments, organs and materials.	6	40,822			3,575	37,247	9	1	780	52	33,850
158	Musical instruments, pianos and materials.	7	375,042	50,000	25,000	32,427	267,615	7	27	34,650	184	119,716
159	Needles and pins	3	9,565			5,500	4,065	4	1	720	15	6,926
160	Oil, not elsewhere specified	8	216,097	51,000	12,000	45,150	107,947	10	22	19,870	27	16,075
161	Optical goods	49	422,468	76,000	30,000	88,979	227,489	58	54	37,057	387	141,461
162	Painting, house, sign, etc	594	1,151,808	131,260	138,695	149,388	732,465	655	76	66,185	2,364	1,433,451
163	Paints	30	7,581,243	1,202,950	887,203	2,326,366	3,114,724	18	278	296,485	1,071	502,925
164	Paper and wood pulp	7	2,671,431	224,378	348,422	1,217,614	881,017	5	45	60,876	933	388,617
165	Paper goods, not elsewhere specified	14	568,266	63,000	73,749	62,950	368,567	15	27	29,850	279	105,038
166	Paper hanging	302	747,209	107,400	139,242	27,092	473,535	332	51	28,585	931	553,389
167	Paper hangings	11	1,472,171	45,000	151,250	597,749	678,172	8	70	103,028	663	316,047
168	Patent medicines and compounds	78	2,116,874	118,800	127,300	241,950	1,628,824	80	219	186,839	659	255,285
169	Paving and paving materials	63	3,227,092	166,279	410,665	276,577	2,373,571	68	113	109,890	3,111	1,522,765
170	Perfumery and cosmetics	21	296,106	15,000	11,250	20,485	249,371	26	54	44,252	162	47,389
171	Photographic materials	13	225,805	11,400	19,500	57,400	137,505	14	24	23,276	119	48,024
172	Photography	129	494,048	30,100	38,000	244,441	181,507	150	69	47,475	353	156,354
173	Photolithographing and photoengraving.	9	257,975	15,000	31,000	127,100	84,875	8	37	31,787	218	141,111
174	Pickles, preserves, and sauces	17	392,490	40,500	88,825	61,110	202,055	20	59	28,796	236	89,364
175	Pipes, tobacco	6	150,363	10,000	13,000	34,175	93,188	7	4	3,754	229	99,077
176	Plastering and stuccowork	79	181,973	29,525	38,025	31,758	82,665	90	8	5,380	352	207,951
177	Plated and britannia ware	3	24,000			18,000	6,000	3	1	624	29	11,037
178	Plumbers' supplies	12	1,270,913	143,550	174,450	220,400	732,513	15	90	84,368	457	229,952
179	Plumbing, and gas and steam fitting	685	2,381,553	265,720	372,330	284,915	1,458,588	772	153	120,070	2,629	1,527,427
180	Pocketbooks	5	98,050			5,864	92,186	8	10	8,810	104	32,518
181	Pottery, terra cotta, and fire-clay products.	16	986,511	300,219	281,800	103,080	296,412	18	37	41,138	494	228,887

BY SPECIFIED INDUSTRIES: 1900—Continued.

PHILADELPHIA—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
310	$168,351	453	$121,769	9	$1,294	$48,604	$22,240	$850	$22,774	$2,740	$607,296	$601,842	$5,454	$1,364,100	112
2,243	1,035,051	7,542	2,193,999	2,159	338,037	1,447,055	86,691	15,590	686,090	658,684	6,174,278	6,062,085	112,193	13,040,905	113
84	28,895	168	48,947	9	1,628	41,415	5,350	1,625	25,590	8,850	403,876	399,728	4,148	586,949	114
345	191,465	------	------	------	------	118,795	8,826	12,991	97,478	------	204,085	74,752	129,333	894,592	115
76	47,427	1	260	1	260	33,477	2,705	1,072	29,700	------	204,482	199,089	5,393	407,966	116
5	2,156	4	1,336	------	------	3,433	900	13	2,520	------	15,770	15,662	108	29,288	117
537	286,187	11	4,394	7	1,068	61,375	18,677	1,387	41,311	------	182,527	172,306	10,221	783,544	118
2,806	1,864,672	------	------	9	1,900	671,868	1,365	10,408	214,985	445,110	8,564,526	8,227,103	337,423	7,208,948	119
1,032	342,087	------	------	146	26,250	66,362	3,410	6,430	56,522	------	982,620	949,785	32,835	1,885,494	120
184	127,080	------	------	------	------	17,284	7,649	680	8,955	------	209,494	196,858	12,636	455,903	121
874	475,653	------	------	2	616	94,595	16,515	3,086	43,776	31,218	1,232,381	1,214,234	18,147	2,118,622	122
92	35,154	12	3,790	3	510	2,416	1,673	55	688	------	70,537	69,622	915	156,719	123
19	7,973	1	280	3	500	2,636	1,812	45	779	------	6,649	5,859	790	28,752	124
299	157,046	82	22,981	21	3,466	36,719	11,936	855	22,723	1,705	244,478	239,879	4,599	647,559	125
34	18,941	36	9,073	6	914	4,493	3,085	15	1,393	------	52,490	51,575	915	109,712	126
226	91,481	236	49,117	157	27,857	37,509	300	685	14,127	22,397	523,121	517,763	5,358	870,306	127
57	28,433	------	------	------	------	13,238	1,500	1,270	10,468	------	100,064	94,118	5,946	182,536	128
32	12,918	------	------	------	------	3,444	643	199	2,602	------	28,384	28,200	184	64,577	129
19	7,690	41	4,500	2	317	4,040	2,956	------	834	250	36,878	36,348	530	71,253	130
145	78,065	5	1,287	4	593	22,164	6,830	37	15,297	------	98,226	94,844	3,382	274,486	131
4	3,000	------	------	------	------	338	312	------	26	------	1,101	1,020	81	8,500	132
67	35,659	2	720	3	585	5,130	1,616	494	3,020	------	20,273	18,567	1,706	87,330	133
71	43,681	------	------	------	------	24,619	2,000	2,634	19,985	------	885,931	878,743	7,188	990,809	134
524	249,073	533	98,872	111	12,923	102,019	20,694	1,894	79,431	------	782,125	778,922	3,203	1,768,894	135
5,318	2,402,022	253	76,680	210	50,418	685,050	32,904	29,209	618,999	3,938	13,429,241	13,332,841	96,400	18,187,231	136
80	23,136	------	------	------	------	13,297	2,200	2,187	8,910	------	114,246	104,216	10,030	194,910	137
1,790	1,228,780	1	468	------	------	6,062,010	20,566	119,806	5,921,638	------	2,876,982	2,622,915	254,067	12,606,551	138
507	241,045	74	19,050	28	4,372	104,389	22,055	490	61,104	20,740	289,212	280,671	8,541	905,478	139
64	34,311	2	1,060	4	723	17,452	13,815	877	1,765	995	37,919	35,285	2,634	175,305	140
274	135,138	17	4,192	18	3,049	50,882	33,766	196	16,895	25	381,915	379,099	2,816	807,212	141
100	44,936	------	------	------	------	8,763	2,550	1,624	4,589	------	383,653	383,653	------	543,492	142
1,495	782,363	66	18,355	44	6,200	168,396	40,255	9,056	116,759	2,326	1,678,773	1,660,822	17,951	3,200,142	143
33	18,652	------	------	------	------	8,755	3,700	1,655	3,400	------	214,691	211,311	3,380	300,300	144
35	20,220	------	------	------	------	3,912	1,530	204	2,178	------	57,464	57,452	12	131,017	145
1,026	651,744	1	495	1	156	125,376	24,477	9,485	82,594	3,820	801,179	785,247	15,932	1,937,349	146
4,896	2,906,442	------	------	1	240	2,066,178	24,062	26,243	144,147	1,871,726	5,978,692	5,964,129	14,563	13,565,550	147
235	105,526	99	32,565	5	1,040	46,364	20,362	435	25,555	12	515,653	511,734	3,919	881,898	148
102	56,604	649	217,009	8	1,448	78,090	29,673	2,635	45,782	------	743,043	737,563	5,480	1,445,984	149
9	8,062	714	244,014	19	2,628	64,513	41,171	5,120	18,222	------	787,366	784,986	2,380	1,535,868	150
165	79,490	1	290	3	550	51,329	9,676	1,715	39,938	------	131,793	128,637	3,156	435,945	151
41	20,918	------	------	1	208	3,325	1,438	------	1,887	------	90,543	89,193	1,350	140,999	152
265	159,967	2	458	3	465	19,044	11,968	237	6,709	130	90,531	86,161	4,370	377,788	153
213	145,644	------	------	1	208	15,273	3,503	1,364	5,181	5,225	162,947	161,546	1,401	443,237	154
46	17,772	33	5,555	1	156	33,232	6,152	183	26,397	------	350,805	348,230	2,575	519,149	155
69	40,338	1	365	------	------	5,855	1,675	401	2,998	781	32,645	31,529	1,116	120,188	156
51	33,550	1	300	------	------	5,944	2,789	5	1,904	1,296	18,550	17,149	1,401	74,411	157
176	118,716	------	------	8	1,000	36,047	4,402	1,008	30,642	------	138,791	131,333	7,458	446,108	158
10	5,824	2	572	3	580	606	474	------	132	------	1,570	1,300	270	16,300	159
24	15,575	------	------	3	500	6,453	1,700	310	4,443	------	164,893	162,188	2,705	250,984	160
187	96,541	183	42,762	17	2,158	62,360	30,926	1,031	28,678	1,125	254,315	248,920	5,395	704,177	161
2,350	1,430,604	------	------	14	2,847	135,327	65,093	4,141	40,763	25,330	913,151	909,106	4,045	3,559,437	162
1,001	484,345	67	18,086	3	494	372,274	22,356	13,370	288,657	47,891	3,180,684	3,072,074	108,610	5,923,930	163
735	343,342	193	44,275	5	1,000	217,104	5,800	8,121	201,223	1,960	1,511,057	1,344,447	166,610	2,635,749	164
174	79,143	104	25,745	1	150	20,374	9,130	1,503	9,241	500	547,112	542,848	4,264	944,991	165
922	551,719	2	520	7	1,100	76,976	41,690	3,456	26,418	5,412	483,632	481,888	1,744	1,608,821	166
447	269,566	89	26,310	127	20,171	147,545	36,707	4,800	106,038	------	1,424,441	1,404,513	19,928	2,062,339	167
326	168,845	328	85,735	5	705	760,607	39,105	3,051	717,639	812	973,389	958,673	14,716	3,013,034	168
3,109	1,522,515	------	------	2	250	429,852	19,568	5,434	394,732	10,118	1,909,837	1,887,416	21,921	4,868,975	169
33	15,641	115	29,810	14	1,938	90,701	14,004	652	76,045	------	254,100	252,663	1,437	531,291	170
78	36,398	35	10,708	6	918	27,288	8,560	386	18,342	------	140,851	138,484	2,367	319,232	171
228	119,644	106	33,306	19	3,404	97,802	68,003	1,026	24,968	3,805	205,699	203,447	2,252	759,061	172
193	136,180	11	3,565	9	1,366	30,455	5,138	502	22,615	2,200	44,139	39,892	4,247	296,357	173
159	67,054	77	22,310	------	------	33,195	8,172	1,443	28,580	------	425,630	420,462	5,168	691,524	174
195	91,047	19	5,340	15	2,690	8,217	1,380	417	6,420	------	107,181	104,778	2,353	234,715	175
351	207,795	------	------	1	156	44,881	8,374	1,017	6,445	29,045	136,672	136,251	421	533,705	176
22	9,376	6	1,505	1	156	2,305	1,560	------	745	------	5,318	4,863	455	25,325	177
428	222,410	18	5,236	11	2,306	35,194	12,322	4,165	17,982	725	449,260	436,772	12,488	873,150	178
2,593	1,521,101	------	------	36	6,326	177,247	88,303	10,168	63,385	15,391	2,993,807	2,973,037	20,770	6,294,008	179
55	21,321	38	9,672	11	1,525	13,725	4,996	------	8,729	------	57,342	56,920	422	133,264	180
481	226,087	11	2,500	2	300	38,309	2,862	4,826	30,546	75	132,151	97,440	34,711	556,050	181

TABLE 8.—MANUFACTURES IN CITIES

PHILADELPHIA—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
182	Printing and publishing, book and job	401	$11,539,833	$281,955	$561,411	$4,659,078	$6,037,389	458	844	$775,094	5,327	$2,508,317
183	Printing and publishing, music	12	479,288	25,000	20,000	180,142	254,146	19	38	47,840	293	93,951
184	Printing and publishing, newspapers and periodicals.	209	11,011,212	1,455,425	1,631,064	3,692,143	4,232,580	190	1,986	1,989,881	3,397	2,111,009
185	Printing materials	9	36,927			15,998	20,929	10	5	1,845	30	10,692
186	Pumps, not including steam pumps	4	45,259	13,500	16,050	870	14,839	4	2	2,004	8	4,354
187	Refrigerators	3	27,500	1,000	3,000	15,700	7,800	4	1	500	55	40,500
188	Regalia and society banners and emblems.	11	141,906	10,500	10,500	36,656	84,250	15	15	9,960	114	48,462
189	Roofing and roofing materials	105	600,653	48,750	72,400	176,182	303,371	112	66	57,321	542	272,821
190	Rubber and elastic goods	6	219,575	22,000	11,500	20,325	165,750	9	7	4,720	86	83,100
191	Saddlery and harness	169	485,403	44,200	56,400	36,742	298,061	173	14	11,172	298	161,115
192	Safes and vaults	4	479,421	5,000	35,207	103,432	335,782	3	33	43,108	211	110,078
193	Sausage	11	31,365	9,800	9,900	7,180	4,485	13	1	1,000	21	10,847
194	Saws	4	4,231,193	804,051	425,234	566,041	2,935,777	4	69	75,289	1,310	681,582
195	Scales and balances	5	160,300	4,000	14,000	33,900	108,400	9	8	5,820	116	64,808
196	Sewing machine repairing	19	21,714			9,379	12,335	17	1	1,040	29	14,272
197	Ship and boat building, wooden	10	51,955	8,400	9,000	12,630	21,925	14			69	38,184
198	Shirts	60	2,124,862	61,750	90,250	197,605	1,775,257	93	213	208,485	2,829	915,523
199	Shoddy	21	823,083	78,650	130,600	207,688	406,145	12	32	23,186	324	132,226
200	Show cases	3	27,000			5,000	22,000	3	2	1,300	35	20,800
201	Silk and silk goods	28	3,813,532	46,666	220,000	898,404	2,648,462	49	184	179,253	2,506	826,456
202	Silverware	4	165,600	32,000	10,000	65,000	58,600	7	10	6,412	55	38,736
203	Slaughtering and meat packing, wholesale.	22	1,417,002	196,700	251,092	245,400	723,810	36	118	86,637	353	198,110
204	Slaughtering, wholesale, not including meat packing.	36	465,730	59,000	123,000	43,884	239,846	50	28	25,288	264	174,500
205	Smelting and refining, not from the ore	7	382,209	16,500	38,600	22,587	304,522	9	56	26,871	98	48,338
206	Soap and candles	33	2,307,478	165,950	285,914	247,125	1,608,489	43	116	111,986	499	198,430
207	Soda water apparatus	3	589,867			34,464	555,403	5	35	60,960	165	78,204
208	Sporting goods	11	276,300	9,200	54,600	39,520	172,980	11	14	24,420	371	123,560
209	Springs, steel, car and carriage	3	937,075	74,943	79,860	88,849	693,423	6	24	57,302	280	172,632
210	Stamped ware	9	524,600	21,800	43,800	140,400	318,600	7	26	37,301	606	227,210
211	Stationery goods, not elsewhere specified.	4	11,300			4,500	6,800	6	6	5,010	20	5,200
212	Steam fittings and heating apparatus	11	797,296	74,000	95,900	111,957	515,439	10	58	70,172	281	158,691
213	Steam packing	17	386,990	4,000	11,562	88,465	282,963	20	68	78,813	238	96,088
214	Stencils and brands	8	23,875	6,500	2,500	10,650	4,225	12			10	4,296
215	Stereotyping and electrotyping	11	246,434			120,134	126,300	17	17	15,814	256	149,696
216	Sugar and molasses, refining	7	23,992,552	2,750,000	2,050,000	2,649,719	16,542,833	15	119	185,078	1,249	647,592
217	Surgical appliances	23	554,635	34,600	85,900	133,185	300,950	27	43	47,447	253	128,623
218	Taxidermy	3	6,510	2,000	1,500	260	2,750	3			2	664
219	Tin and terne plate	4	795,697	47,000	72,684	91,736	584,277	5	101	69,281	340	105,838
220	Tinsmithing, coppersmithing, and sheet-iron working.	437	2,636,063	295,365	370,649	545,375	1,424,674	502	172	137,317	2,304	1,218,139
221	Tobacco, chewing, smoking, and snuff	6	852,379	76,447	216,442	189,255	370,235	5	9	4,230	48	21,063
222	Tobacco, cigars and cigarettes	550	4,042,502	127,350	231,837	112,078	3,571,237	602	264	324,882	6,032	2,571,808
223	Tools, not elsewhere specified	14	434,091	52,500	37,500	65,467	278,624	15	24	29,450	251	135,386
224	Toys and games	13	243,427	24,300	60,400	42,323	116,404	13	9	17,924	232	76,000
225	Trunks and valises	32	280,923	4,000	9,500	23,370	244,053	48	19	12,102	234	108,317
226	Umbrellas and canes	36	1,245,056	30,750	40,147	193,044	981,115	57	135	157,745	1,628	550,374
227	Upholstering materials	22	2,579,897	169,900	346,300	386,188	1,677,509	40	75	90,084	1,282	416,333
228	Varnish	16	1,526,329	182,580	134,654	141,658	1,067,437	9	78	115,136	129	91,013
229	Vinegar and cider	5	101,450	15,900	10,200	32,750	42,600	7	11	5,776	33	23,016
230	Washing machines and clothes wringers.	3	4,360	600	1,500	160	2,100	3			4	1,875
231	Watch, clock, and jewelry repairing	354	476,027	45,330	68,355	123,987	238,355	375	11	6,080	337	188,443
232	Whips	4	8,823			1,115	7,708	4	2	1,500	9	4,500
233	Window shades	16	299,248	45,700	45,600	23,400	184,548	17	29	22,328	131	54,358
234	Wire	3	110,137	20,000	15,158	30,049	44,930	4	3	2,850	65	29,953
235	Wirework, including wire rope and cable.	26	338,464	15,400	53,000	122,508	147,556	31	19	17,132	330	130,338
236	Wood, turned and carved	54	315,730	36,400	37,400	76,485	165,445	67	11	10,284	358	149,697
237	Woodenware, not elsewhere specified	10	85,356			20,805	64,551	13	9	6,280	99	48,197
238	Woolen goods	93	12,874,265	751,762	1,528,003	3,515,721	7,078,779	126	216	252,655	9,438	3,622,765
239	Wool pulling	5	178,740	15,000	26,700	15,400	121,640	7	4	2,192	69	36,203
240	Worsted goods	36	14,079,859	332,334	1,143,926	3,529,729	9,068,870	23	188	200,954	7,407	2,429,603
241	All other industries[1]	80	43,651,745	4,177,774	7,523,115	10,422,745	21,528,111	73	701	939,906	14,624	7,257,764

[1] Embraces artists' materials, 2; bells, 1; belting and hose, linen, 1; bone, ivory, and lampblack, 1; boots and shoes, rubber, 1; brass, 1; cardboard, 1; cars and general shop construction and repairs by street railroad companies, 2; cars, steam railroad, not including operations of railroad companies, 1; cars, street railroad, not including operations of railroad companies, 1; chocolate and cocoa products, 2; clocks, 1; drug grinding, 2; emery wheels, 2; engravers' materials, 2; felt goods, 1; firearms, 2; fire extinguishers, chemical, 2; fireworks, 1; fish, canning and preserving, 1; foundry supplies, 1; fruits and vegetables, canning and preserving, 2; furs, dressed, 2; gloves and mittens, 1; graphite and graphite refining, 1; grindstones, 1; hammocks, 1; hooks and eyes, 2; iron and steel, nails and

BY SPECIFIED INDUSTRIES: 1900—Continued.

PHILADELPHIA—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
3,856	$2,107,542	1,207	$359,882	264	$40,893	$1,626,292	$241,859	$3,388	$552,127	$822,918	$2,948,999	$2,863,897	$85,102	$10,066,740	182
165	77,316	66	15,632	2	406	45,038	11,752	585	17,643	15,058	107,590	105,319	2,271	365,295	183
2,882	1,940,581	426	155,911	89	14,517	2,374,571	184,191	40,961	1,474,766	674,653	3,640,590	3,541,068	99,522	13,076,840	184
17	8,373	12	2,130	1	189	4,699	3,373	------	1,326	------	21,912	21,248	664	59,019	185
8	4,354	------	------	------	------	5,067	135	267	4,470	195	22,617	22,617	------	42,587	186
55	40,500	------	------	------	------	4,863	2,016	27	2,820	------	37,040	36,500	540	100,367	187
20	14,126	92	33,946	2	390	13,600	8,606	296	7,698	2,000	70,133	69,296	837	196,592	188
541	272,171	------	------	1	150	98,768	18,316	1,383	79,069	------	551,378	548,151	3,227	1,226,257	189
80	81,370	6	1,730	------	------	3,049	483	344	2,102	120	282,825	281,994	831	407,110	190
282	157,049	9	2,762	7	1,304	38,811	28,547	1,589	8,355	320	272,594	270,306	2,288	709,689	191
211	110,978	------	------	------	------	56,677	3,170	683	12,824	40,000	165,024	158,820	6,204	565,138	192
21	10,847	------	------	------	------	1,781	1,041	426	314	------	47,278	46,197	1,081	75,475	193
1,139	642,832	46	12,250	125	26,500	64,504	1,510	2,529	60,465	------	917,601	890,873	26,728	2,286,471	194
116	64,808	------	------	------	------	10,631	1,656	225	8,250	500	66,295	64,363	1,932	178,000	195
25	12,812	4	1,460	------	------	4,461	3,776	3	682	------	16,374	15,601	773	51,141	196
67	37,784	------	------	2	400	4,143	1,804	173	1,483	683	21,342	20,964	378	91,957	197
496	267,333	2,236	638,604	97	14,586	315,916	71,509	2,591	103,033	138,783	1,937,564	1,919,819	17,745	3,979,408	198
253	113,928	69	17,934	2	364	42,965	6,103	2,633	31,704	2,525	966,181	950,944	15,237	1,285,411	199
35	20,800	------	------	------	------	5,091	4,256	19	816	------	25,700	25,010	690	66,500	200
676	307,079	1,628	487,794	202	31,583	299,965	55,878	2,563	94,451	147,073	2,291,674	2,255,088	35,986	4,531,794	201
54	38,586	------	------	1	150	3,810	1,110	737	1,963	------	53,033	52,083	950	178,550	202
353	198,110	------	------	------	------	73,903	12,116	5,347	56,440	------	4,317,472	4,290,873	26,599	5,128,823	203
261	173,348	1	500	2	152	147,771	95,999	2,570	49,202	------	6,003,593	5,990,843	12,750	6,891,639	204
98	48,338	------	------	------	------	38,942	2,385	1,251	35,306	------	912,183	904,387	7,796	1,092,352	205
340	162,286	143	33,129	16	3,015	433,544	12,762	4,885	415,197	700	1,554,511	1,534,996	19,515	2,716,357	206
163	77,684	2	520	------	------	52,409	9,220	1,574	41,615	------	181,600	179,803	1,797	454,102	207
177	76,446	173	43,844	21	3,270	8,972	3,145	656	5,171	------	203,720	201,924	1,796	495,765	208
280	172,632	------	------	------	------	131,762	10,000	1,850	119,912	------	761,131	727,981	33,150	1,375,521	209
406	123,037	194	103,289	6	884	13,751	3,126	1,365	8,410	850	235,394	227,887	7,507	578,220	210
9	2,660	7	1,872	4	668	3,563	1,795	------	1,668	100	13,607	13,220	387	47,000	211
255	152,432	11	2,736	15	3,523	76,143	6,880	2,259	61,004	------	382,781	378,435	4,346	809,225	212
203	87,378	35	8,710	------	------	52,916	12,330	413	39,673	500	386,866	378,618	7,248	769,116	213
10	4,296	------	------	------	------	1,770	1,422	166	182	------	5,762	5,700	62	31,217	214
246	147,696	------	------	10	2,000	28,970	12,100	------	11,060	810	117,269	110,890	6,379	404,319	215
1,171	635,231	60	8,911	18	3,450	604,871	11,600	25,693	564,578	3,000	33,658,440	33,414,459	243,981	36,163,817	216
160	101,833	84	25,383	9	1,412	54,015	8,628	1,758	30,629	13,000	160,944	157,871	3,073	530,190	217
2	664	------	------	------	------	633	444	56	133	------	3,490	3,480	10	9,750	218
264	86,743	76	19,095	------	------	88,202	375	1,623	36,199	------	1,378,564	1,371,712	6,852	1,761,936	219
2,206	1,194,412	43	11,231	55	12,496	247,195	80,859	9,792	143,855	12,689	2,146,642	2,126,648	19,994	4,731,473	220
34	16,894	14	4,169	------	------	117,133	602	1,339	115,192	------	102,939	101,113	1,826	303,246	221
4,153	2,038,973	1,751	511,471	128	21,364	1,258,818	114,209	6,552	1,137,979	78	3,321,261	3,312,938	8,323	8,687,349	222
232	131,928	13	2,500	6	958	13,825	4,794	1,546	7,485	------	292,776	281,960	10,816	657,928	223
103	51,156	42	13,945	87	10,899	26,702	2,106	920	22,166	1,510	74,452	72,829	1,623	240,640	224
210	101,938	16	5,231	8	1,148	45,427	16,091	224	22,612	6,500	220,731	219,465	1,266	492,780	225
579	276,881	976	259,707	73	13,786	198,216	37,090	1,061	159,990	75	1,879,852	1,862,805	17,047	3,145,446	226
442	197,772	762	205,978	78	12,588	183,680	16,980	5,791	106,965	3,944	1,771,336	1,754,586	16,750	2,769,758	227
127	90,673	1	240	1	100	115,278	2,600	4,707	55,971	52,000	1,027,649	1,020,056	7,593	1,523,259	228
38	23,016	------	------	------	------	7,781	2,500	430	4,851	------	142,380	139,985	2,395	214,075	229
4	1,875	------	------	------	------	884	204	20	160	------	3,190	3,180	10	8,650	230
294	180,073	10	3,726	33	4,644	80,893	47,161	1,950	10,064	21,718	178,264	174,053	4,211	826,889	231
9	4,500	------	------	------	------	1,397	1,092	------	305	------	13,333	13,173	160	28,675	232
116	48,803	12	4,989	3	566	16,287	2,912	1,538	11,637	200	164,144	163,009	1,135	332,350	233
65	29,958	------	------	------	------	2,040	600	406	1,034	------	158,508	151,812	6,696	218,390	234
239	116,094	55	10,994	36	3,250	11,901	5,742	603	4,956	600	199,842	195,316	4,526	496,056	235
325	145,389	------	------	33	4,308	24,077	10,481	1,033	12,113	450	155,127	149,330	5,797	427,538	236
77	44,832	4	611	18	2,754	17,621	5,740	29	11,852	------	79,905	78,466	1,439	182,194	237
5,102	2,307,245	3,579	1,177,305	757	138,215	1,098,240	89,865	29,022	725,934	253,419	11,751,088	11,551,911	199,177	18,340,012	238
69	36,203	------	------	------	------	6,568	2,400	690	3,478	------	7,703	5,243	2,460	75,206	239
2,799	1,278,239	3,300	917,067	1,808	234,297	1,408,925	88,404	15,189	891,080	414,252	10,518,700	10,376,616	142,084	16,242,250	240
12,907	6,836,642	859	259,720	858	161,402	1,657,420	100,502	66,636	1,283,883	206,399	32,693,939	32,058,103	635,836	49,557,878	241

spikes, cut and wrought, including wire nails, 2; iron and steel, pipe, wrought, 1; liquors, distilled, 2; mats and matting, 2; nets and seines, 1; oil, lard, 1; oil, linseed, 2; oilcloth, floor, 2; pens, fountain and stylographic, 1; pens, steel, 1; petroleum, refining, 2; phonographs and graphophones, 2; photographic apparatus, 2; sand and emery paper and cloth, 1; screws, machine, 2; sewing machines and attachments, 2; shipbuilding, iron and steel, 2; silversmithing, 2; tinfoil, 1; type founding, 2; typewriter repairing, 2; typewriters and supplies, 1; vault lights and ventilators, 1; watch cases, 2; wood, preserving, 1; wool scouring, 1.

TABLE 8.—MANUFACTURES IN CITIES

PITTSBURG.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	All industries	1,938	$193,162,900	$19,612,219	$23,001,802	$41,161,172	$109,387,707	2,253	5,064	$5,457,443	69,977	$36,684,563
2	Artificial limbs	3	20,085			8,585	11,500	4	11	4,212	33	13,994
3	Awnings, tents, and sails	7	57,875		300	4,925	52,650	8	10	5,965	61	27,452
4	Bicycle and tricycle repairing	13	13,135		100	4,715	8,320	17			5	2,114
5	Blacksmithing and wheelwrighting	83	301,186	75,100	45,060	33,383	147,643	97	5	2,580	170	110,794
6	Bookbinding and blank book making	7	40,808			25,000	15,808	8	3	3,000	87	32,692
7	Boots and shoes, custom work and repairing.	126	53,338	8,170	10,840	15,045	19,283	129	3	1,500	51	22,491
8	Bottling	22	219,078	46,800	46,500	26,240	99,538	26	12	12,458	105	60,403
9	Boxes, fancy and paper	4	48,929			18,116	30,813	6	1	225	137	31,711
10	Brass castings and brass finishing	5	199,894	24,000	14,000	35,437	126,457	2	21	15,666	87	53,003
11	Bread and other bakery products	88	2,122,318	169,350	312,536	1,100,845	539,087	88	219	198,374	1,108	424,123
12	Brick and tile	21	1,232,110	502,600	306,633	188,274	234,603	33	31	28,295	671	300,963
13	Brooms and brushes	4	243,965	4,000	5,000	28,245	206,720	10	2	1,800	131	42,200
14	Carpentering	68	1,344,493	140,970	105,296	72,033	1,026,194	94	41	33,510	895	549,071
15	Carpets, rag	5	6,350	1,000	1,150	2,200	2,000	5			15	4,456
16	Carriages and wagons	23	382,700	44,000	75,950	39,657	223,093	35	17	14,268	292	171,286
17	Cars and general shop construction and repairs by steam railroad companies.	4	170,635	16,500	57,500	50,115	46,520		43	36,823	921	417,505
18	Chemicals	4	650,324	121,200	94,000	288,253	146,871	1	23	19,007	88	50,920
19	China decorating	3	12,610			1,910	10,700	3	6	1,494	5	2,650
20	Clothing, men's, custom work and repairing.	142	756,271	66,400	74,000	22,845	593,026	173	67	54,242	728	375,927
21	Clothing, men's, factory product	12	926,304	150,000	100,000	29,500	646,804	28	55	44,228	785	247,158
22	Clothing, women's, dressmaking	55	137,516	500	700	14,180	122,136	61	14	8,516	331	107,444
23	Clothing, women's, factory product	9	1,010,840			11,240	999,600	17	28	34,766	325	133,232
24	Confectionery	11	334,878	18,000	22,000	39,432	255,446	15	129	55,810	322	76,075
25	Cooperage	10	214,121	54,400	37,040	10,629	112,052	13	3	3,000	252	131,261
26	Dyeing and cleaning	18	92,380	36,000	39,600	6,290	10,490	22	5	5,112	54	27,056
27	Electrical apparatus and supplies	8	16,070,738	221,348	1,888,427	2,023,537	11,937,426	7	431	562,431	5,938	3,302,790
28	Electrical construction and repairs	12	85,628	20,300	5,800	9,216	50,312	21	3	1,796	63	35,524
29	Engraving and diesinking	3	315			95	220	4				
30	Engraving, steel, including plate printing.	5	14,044			6,983	7,061	8	4	2,550	26	11,897
31	Food preparations	3	55,000	6,500	18,000	18,500	12,000	4	1	780	39	12,232
32	Foundry and machine shop products	83	14,897,525	2,656,636	2,206,332	3,611,596	6,422,961	82	448	564,233	6,359	3,609,721
33	Fur goods	4	119,075	27,000	8,000	4,275	79,800	4	7	2,566	26	7,796
34	Furniture, cabinetmaking, repairing, and upholstering.	9	9,345	1,600	3,650	1,305	2,790	12			8	5,272
35	Furniture, factory product	6	59,429	6,000	8,000	14,850	30,579	14	26	5,500	71	41,964
36	Galvanizing	8	68,026		7,000	9,746	51,280	3	2	980	66	22,975
37	Gas and lamp fixtures	5	75,263			15,400	59,863	6	17	17,156	66	31,307
38	Gas, illuminating and heating	3	11,751,033	350,471	343,000	3,273,200	7,784,362		22	19,143	128	81,295
39	Glass	16	3,588,202	835,274	748,444	631,786	1,372,698	5	107	136,971	2,104	1,132,985
40	Glass, cutting, staining, and ornamenting.	9	153,884	13,500	14,500	22,500	103,384	12	12	13,160	191	81,308
41	Hand stamps	5	24,720			8,600	16,120	8	10	6,118	29	14,603
42	Iron and steel	36	75,149,146	7,192,910	10,175,168	19,355,578	38,425,490	37	915	1,183,227	24,418	13,887,501
43	Iron and steel, bolts, nuts, washers, and rivets.	3	403,062	37,720	25,500	196,625	143,217	6	16	20,450	344	100,993
44	Ironwork, architectural and ornamental.	9	4,412,379	542,845	238,381	553,875	3,077,278	6	158	173,545	2,043	1,042,790
45	Leather goods	3	7,735			85	7,650	5	1	52	1	300
46	Liquors, malt	7	13,419,671	1,068,264	1,231,886	1,523,973	9,595,548		70	159,861	383	312,102
47	Lithographing and engraving	3	53,000	3,500	8,500	25,500	15,500	9	3	4,100	22	9,156
48	Lock and gun smithing	9	63,790	50,000	5,000	3,340	5,450	13	2	366	10	5,541
49	Looking-glass and picture frames	16	105,556	6,500	2,100	3,694	93,262	17	14	8,544	62	30,602
50	Lumber, planing mill products, including sash, doors, and blinds.	18	740,333	99,136	108,487	90,616	442,094	24	33	30,082	296	174,368
51	Marble and stone work	15	3,622,627	224,507	24,498	190,711	3,182,911	22	103	132,881	3,409	1,392,496
52	Masonry, brick and stone	32	1,444,900	90,500	100,520	71,814	1,182,066	46	60	57,550	1,231	707,350
53	Mattresses and spring beds	3	172,110	30,000	50,000	13,298	78,812	4	7	6,900	79	34,152
54	Millinery, custom work	38	345,899	43,800	30,000	5,349	266,750	44	124	46,356	198	61,353
55	Mineral and soda waters	10	137,785	21,000	11,200	48,010	57,575	10	22	16,622	52	23,408
56	Mirrors	4	64,417		3,288	21,204	39,975	7	7	6,368	90	32,853
57	Models and patterns	7	51,226		1,500	23,775	25,951	10	5	5,900	54	41,946
58	Monuments and tombstones	11	131,289	50,250	15,050	13,122	52,867	14	3	2,540	75	58,036
59	Oil, not elsewhere specified	3	134,644	46,515	15,701	7,575	64,853	2	16	27,778	12	5,942
60	Optical goods	7	94,400	20,000	10,000	8,490	55,910	10	19	8,302	24	17,247
61	Painting, house, sign, etc	47	323,421	48,000	53,100	18,463	203,858	59	15	10,286	325	194,757
62	Paints	6	1,024,114	187,500	155,100	147,525	533,989	3	43	62,409	184	73,293
63	Patent medicines and compounds	9	226,388		8,000	47,049	171,339	9	66	30,639	105	42,352
64	Petroleum, refining	4	1,183,609	252,628	25,489	369,687	535,805	2	30	48,745	140	74,714
65	Photography	27	49,463	400	1,200	18,675	29,188	30	9	4,108	42	21,829
66	Photolithographing and photoengraving.	6	34,075			17,500	16,575	11	6	3,692	50	27,518

BY SPECIFIED INDUSTRIES: 1900—Continued.

PITTSBURG.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
62,381	$34,809,175	5,873	$1,542,689	1,723	$332,699	$15,293,017	$929,081	$699,025	$11,045,093	$2,619,878	$116,333,174	$110,858,518	$5,974,656	$203,261,251	1
30	13,384	1	312	2	298	4,750	3,420		1,330		10,955	10,580	375	55,792	2
33	18,666	28	8,786			6,426	3,840	20	2,566		62,949	62,509	440	140,725	3
4	1,924			1	190	3,282	2,924	5	353		8,529	8,338	191	20,550	4
169	110,616			1	178	18,056	12,031	2,456	3,569		115,393	109,798	6,095	375,332	5
40	20,888	45	11,417	2	387	7,212	3,457	62	1,393	2,300	15,629	14,755	874	76,028	6
50	22,335			1	156	19,301	17,438	412	1,451		49,718	48,626	1,092	158,184	7
104	60,199			1	204	30,280	10,445	3,446	16,389		308,731	307,666	1,065	486,539	8
26	12,050	87	16,725	24	2,936	6,421	3,816	170	2,435		45,833	45,233	600	102,100	9
87	53,003					32,695	1,550	641	30,504		299,331	295,443	3,888	418,425	10
594	332,831	332	65,628	182	25,664	276,068	39,996	10,473	225,599		1,359,423	1,327,389	32,034	2,709,293	11
632	291,666			39	9,297	81,845	9,348	8,045	24,452	40,000	149,195	25,150	124,045	729,682	12
95	35,218	37	6,732	2	250	10,798	6,492	278	4,028		164,856	163,979	877	248,038	13
393	548,825			2	246	1,875,675	11,682	5,226	33,088	1,825,679	1,145,623	1,140,945	4,678	4,115,033	14
10	3,256	5	1,200			1,082	697	75	310		2,289	2,138	151	11,034	15
291	171,086			1	200	30,076	15,588	4,197	9,691	600	147,587	143,539	4,048	447,601	16
866	401,087	55	16,418			2,890		537	2,353		253,001	244,341	8,660	710,219	17
87	50,821			1	99	49,093	294	8,098	45,701		143,799	137,609	6,190	317,731	18
4	2,450	1	200			1,769	938	42	654	135	10,351	9,991	360	20,892	19
563	326,514	147	46,936	18	2,477	145,462	87,936	3,095	26,656	27,775	586,398	582,043	4,295	1,472,053	20
169	91,810	556	153,824	10	1,524	45,186	17,758	3,754	10,624	13,000	801,772	794,490	7,282	1,270,717	21
27	20,093	301	86,843	3	508	26,875	20,683	93	6,099		153,750	152,475	1,275	389,371	22
72	38,611	253	94,621			68,985	7,750	175	61,060		388,195	385,775	2,420	691,000	23
73	37,798	167	27,457	82	10,820	90,742	25,340	1,743	63,659		261,217	258,134	3,083	566,341	24
288	124,363			14	6,898	7,214	2,794	2,024	2,396		424,242	422,707	1,535	605,845	25
41	23,440	11	3,772	2	444	8,991	2,970	1,664	2,752	1,605	7,252	5,831	1,421	79,030	26
5,269	3,096,580	641	200,148	28	6,062	1,113,783	4,436	21,861	1,009,075	78,411	8,838,186	8,744,583	93,603	14,013,450	27
60	34,968			3	556	5,688	2,746	309	2,428	200	93,293	92,749	544	177,905	28
						264	264							5,300	29
20	10,663	5	1,130	1	104	2,354	1,390	60	904		9,237	9,068	169	39,114	30
24	9,268	15	2,964			1,729		629	1,100		52,925	51,525	1,400	80,717	31
6,290	3,593,094	15	5,099	54	11,528	755,411	67,874	93,376	578,301	10,860	8,165,696	7,879,939	285,757	15,545,561	32
9	4,950	17	2,846			4,263	1,700	760	1,703	40	79,525	79,093	432	113,500	33
7	5,152	1	120			1,384	1,146	126	112		9,644	9,595	49	26,988	34
69	41,340	2	624			7,373	3,825	318	3,080	150	42,718	40,905	1,813	136,645	35
66	22,975					7,700	2,072	1,278	4,350		74,025	70,969	3,056	108,206	36
53	28,764	12	2,361	1	182	15,180	6,940	179	8,061		69,945	69,080	865	155,850	37
128	81,295					70,759	1,200	23,456	46,103		79,861	77,017	2,844	667,241	38
1,461	972,562	175	43,857	468	116,566	136,944	2,920	20,789	113,235		741,562	559,751	181,811	2,429,686	39
87	51,949	97	27,859	7	1,500	12,784	4,865	781	7,588		168,873	162,925	5,948	349,161	40
27	14,291			2	312	5,659	2,870	87	2,702		10,988	10,491	492	51,945	41
23,821	13,765,044	290	58,580	307	63,877	4,505,421	66,820	218,619	4,184,461	35,521	59,322,561	54,785,332	4,537,229	90,798,086	42
289	82,360	21	8,750	34	9,883	8,937	2,250	2,100	4,587		371,265	359,969	11,296	578,121	43
2,028	1,038,939			15	3,821	183,659	4,765	14,621	163,230	1,043	4,896,141	4,362,646	33,495	6,111,943	44
1	300					407	291	29	87		4,702	4,701	1	6,525	45
383	312,102					1,525,061		62,012	1,463,049		677,672	626,110	51,562	3,586,393	46
20	8,740	1	260	1	156	2,652	1,800	627	725		13,205	12,990	215	31,600	47
8	5,111	1	286	1	144	3,022	1,665	1,008	349		9,427	9,235	192	25,633	48
53	28,710	2	662	7	1,230	13,199	11,142	668	1,389		78,508	77,889	619	162,030	49
296	174,368					28,816	6,168	4,867	17,781		474,749	468,023	6,726	827,059	50
3,409	1,392,496					213,949	4,665	10,570	48,119	150,595	886,864	877,627	9,237	3,189,631	51
1,231	707,350					363,098	9,686	4,877	28,241	325,294	1,468,650	1,465,018	3,632	2,921,294	52
60	28,026	19	6,126			23,450	3,780	914	18,756		157,959	157,209	750	245,597	53
7	3,848	185	56,491	6	1,014	62,050	32,503	1,658	27,189	700	287,411	286,447	964	574,250	54
45	22,008	2	600	5	800	19,320	1,967	1,305	16,048		41,119	40,629	490	130,816	55
63	26,717	27	6,136			11,309	3,707	407	7,195		52,776	50,708	2,068	117,465	56
53	41,746	1	200			5,009	3,310	172	1,527		22,397	21,520	1,877	100,818	57
75	58,036					15,729	1,520	1,487	1,562	11,160	59,626	58,740	886	168,908	58
12	5,942					4,486	1,375	840	2,271		252,457	252,182	275	322,956	59
22	16,822			2	425	7,926	5,600	212	2,114		27,992	27,140	852	85,690	60
319	193,433	1	480	5	844	21,670	13,364	1,593	6,713		150,322	149,743	579	485,903	61
170	69,543	14	3,750			50,847	1,495	4,751	42,801	1,800	797,190	782,947	14,243	1,402,038	62
58	29,776	47	12,576			133,080	9,441	2,380	121,259		289,287	287,537	1,750	685,148	63
140	74,714					56,660	840	8,708	44,223	2,889	1,051,617	1,021,887	29,730	1,315,040	64
27	17,725	14	3,974	1	130	21,317	12,606	281	6,272	2,158	30,901	30,458	443	182,099	65
45	26,582	3	624	2	312	7,031	3,935	17	1,196	1,883	13,966	12,433	1,533	78,757	66

TABLE 8.—MANUFACTURES IN CITIES

PITTSBURG—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
67	Plumbing, and gas and steam fitting	107	$638,693	$57,875	$68,600	$56,796	$455,422	139	38	$24,954	481	$313,851
68	Pottery, terra cotta, and fire-clay products.	8	2,774,471	462,939	935,279	158,503	1,217,750	-------	143	136,964	1,995	509,035
69	Printing and publishing, book and job	67	1,100,015	134,500	93,347	533,824	338,344	91	90	75,076	886	434,481
70	Printing and publishing, newspapers and periodicals.	45	3,849,792	330,500	612,150	1,147,855	1,759,287	29	444	390,857	1,229	966,818
71	Roofing and roofing materials	15	194,899	28,000	29,175	12,175	125,549	22	9	6,437	147	74,223
72	Saddlery and harness	32	141,389	10,700	18,650	13,630	98,409	37	9	7,400	99	53,255
73	Shirts	8	52,416	-------	-------	9,473	42,943	12	27	15,243	155	42,259
74	Slaughtering and meat packing, wholesale.	5	786,810	130,113	44,362	28,040	584,295	6	47	42,713	150	93,950
75	Smelting and refining, not from the ore	5	347,350	43,000	33,500	22,250	248,600	-------	10	18,830	87	49,731
76	Steam fittings and heating apparatus	9	356,158	-------	-------	63,250	292,908	1	47	55,590	205	99,345
77	Stereotyping and electrotyping	4	63,696	-------	-------	15,900	37,796	2	15	14,868	28	11,288
78	Tin and terne plate	4	374,336	65,000	32,000	112,700	164,636	4	19	20,130	215	115,647
79	Tinsmithing, coppersmithing, and sheet-iron working.	54	547,818	73,100	63,832	106,282	304,604	76	33	29,405	430	211,836
80	Tobacco, cigars and cigarettes	147	714,730	151,407	164,165	85,580	313,578	157	61	45,081	1,365	460,739
81	Tools, not elsewhere specified	6	545,903	47,000	44,000	123,513	331,390	5	34	42,802	317	189,279
82	Trunks and valises	3	15,917	2,000	3,000	320	10,597	4	2	850	12	5,680
83	Watch, clock, and jewelry repairing	68	130,376	14,250	17,100	37,710	61,316	71	9	3,152	131	78,577
84	Wirework, including wire rope and cable.	4	193,470	-------	-------	32,100	161,370	4	2	4,200	13	5,870
85	Wood, turned and carved	3	3,190	-------	-------	2,100	1,090	3	2	700	2	853
86	All other industries [1]	100	19,377,062	2,477,741	1,943,666	4,094,955	10,860,700	105	437	543,653	5,655	2,787,017

[1] Embraces artists' materials, 1; babbitt metal and solder, 2; baking and yeast powders, 1; baskets, and rattan and willow ware, 1; belting and hose, leather, 1; bicycles and tricycles, 1; boots and shoes, factory product, 1; boxes, wooden packing, 2; brassware, 2; bridges, 2; cars and general shop construction and repairs by street railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 2; cleansing and polishing preparations, 1; coffee and spice, roasting and grinding, 2; coffins, burial cases, and undertakers' goods, 1; coke, 2; cork, cutting, 2; cotton waste, 1; cutlery and edge tools, 1; druggists' preparations, not including prescriptions, 1; electroplating, 2; explosives, 1; fancy articles, not elsewhere specified, 1; fertilizers, 2; flavoring extracts, 2; flouring and grist mill products, 2; foundry supplies, 2; fruits and vegetables, canning and preserving, 1; fur hats, 2; furnishing goods, men's, 2; gas and oil stoves, 2; gas machines and meters, 1; grease and tallow, 1; hairwork, 1; hats and caps, not including fur hats and wool hats, 2; house furnishing goods, not elsewhere specified, 2; ice,

READING.

1	All industries	843	$27,975,628	$2,458,523	$4,469,370	$6,999,595	$14,048,140	989	1,073	$924,551	19,165	$7,544,950
2	Bicycle and tricycle repairing	7	7,276	-------	-------	3,585	3,691	9	2	500	7	2,508
3	Bicycles and tricycles	4	656,816	51,380	67,662	137,346	397,428	-------	37	28,722	407	165,106
4	Blacksmithing and wheelwrighting	27	21,640	8,000	4,385	3,950	5,305	30	-------	-------	27	12,721
5	Bookbinding and blank book making	3	27,100	5,000	7,000	10,574	4,526	3	2	780	33	10,671
6	Boots and shoes, custom work and repairing.	52	21,065	6,600	6,065	4,510	3,890	51	2	900	15	6,642
7	Bottling	6	63,150	11,250	17,700	20,300	13,900	6	3	1,449	28	12,478
8	Boxes, cigar	3	67,030	4,500	15,000	8,000	39,530	5	1	68	74	19,892
9	Boxes, fancy and paper	5	66,109	6,450	15,000	24,225	20,434	9	2	1,500	111	27,444
10	Brass castings and brass finishing	3	31,763	13,000	7,000	3,400	8,363	4	5	3,250	15	9,170
11	Bread and other bakery products	51	284,713	50,000	82,825	95,388	56,500	59	31	18,666	217	104,412
12	Brick and tile	3	9,750	1,000	3,200	1,300	4,250	3	-------	-------	24	7,887
13	Brooms and brushes	7	27,550	2,050	3,675	2,875	18,950	11	5	1,018	43	12,805
14	Carpentering	47	194,492	4,150	3,010	7,935	179,397	55	6	4,470	267	132,190
15	Carpets, rag	8	11,425	3,800	5,200	905	1,520	9	1	312	5	1,910
16	Carriages and wagons	12	443,721	55,000	76,359	75,578	236,784	11	21	9,737	203	83,115
17	Cars and general shop construction and repairs by steam railroad companies.	4	2,069,203	43,043	465,000	323,141	1,233,019	-------	46	45,845	1,962	1,045,675
18	Clothing, men's, custom work and repairing.	41	236,094	41,700	34,800	8,190	151,404	48	23	14,748	315	111,504
19	Clothing, men's, factory product	4	185,292	23,500	26,000	3,900	131,892	9	11	18,941	172	52,583
20	Clothing, women's, dressmaking	11	9,850	2,300	2,800	3,025	1,725	17	-------	-------	54	15,109
21	Clothing, women's, factory product	5	18,465	-------	-------	5,325	13,140	9	-------	-------	49	12,013
22	Coffee and spice, roasting and grinding	3	12,158	1,000	1,500	2,050	7,608	4	1	700	3	1,728
23	Confectionery	21	164,191	30,500	40,588	51,087	42,016	25	41	32,224	328	71,076
24	Dyeing and finishing textiles	4	36,771	-------	-------	17,495	19,276	5	3	1,000	23	9,050
25	Electrical construction and repairs	6	15,311	100	75	400	14,736	6	1	290	13	6,805
26	Foundry and machine shop products	27	2,799,240	274,246	436,176	567,304	1,521,514	30	99	90,705	1,572	681,574
27	Fur hats	3	623,408	48,000	66,055	101,130	408,223	6	20	19,767	731	283,000
28	Furniture, cabinetmaking, repairing, and upholstering.	14	28,326	3,000	3,100	3,710	18,516	17	3	750	18	9,272
29	Hardware	4	1,734,544	86,000	185,438	516,657	946,449	4	119	93,284	1,587	600,861
30	Hosiery and knit goods	21	710,128	33,950	82,904	283,832	309,442	24	50	38,315	1,667	390,857
31	Iron and steel	7	8,132,619	586,460	1,895,829	1,925,228	4,275,102	1	108	157,689	3,769	1,612,011
32	Ironwork, architectural and ornamental.	4	50,663	-------	-------	7,679	42,984	4	3	3,640	49	21,299
33	Lime and cement	3	950	100	300	55	495	4	-------	-------	5	1,605
34	Liquors, malt	6	1,032,510	133,200	290,434	213,340	395,536	8	19	25,732	119	66,361
35	Looking-glass and picture frames	4	9,675	325	325	660	8,365	4	-------	-------	7	2,778
36	Lumber, planing mill products, including sash, doors, and blinds.	5	178,949	15,675	25,050	38,376	99,848	7	6	4,666	146	69,467

BY SPECIFIED INDUSTRIES: 1900—Continued.

PITTSBURG—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
478	$313,426			3	$425	$52,014	$26,506	$3,099	$22,236	$113	$632,144	$627,491	$4,653	$1,297,816	67
1,978	505,801	16	$3,034	1	200	86,252	2,806	15,586	55,360	12,500	839,153	726,475	112,678	2,118,902	68
581	359,924	249	66,537	56	8,020	116,728	45,433	8,239	41,778	21,278	513,223	498,839	14,384	1,396,292	69
1,124	926,640	96	38,506	9	1,672	457,182	78,196	21,046	309,949	47,991	835,531	812,364	23,167	3,247,809	70
146	73,916			1	312	9,297	3,934	1,882	3,481		288,964	288,386	578	427,625	71
97	52,999			2	256	15,504	10,308	875	4,321		88,960	88,362	598	229,895	72
6	4,976	147	36,997	2	286	5,892	2,492	50	3,295	55	75,803	74,581	1,222	157,579	73
148	93,525	2	425			28,001	4,650	2,876	20,475		1,779,600	1,774,137	5,463	2,054,521	74
87	49,731					17,583	1,640	810	14,613	520	1,005,020	997,008	8,012	1,239,309	75
201	98,025	4	1,320			82,178	10,120	1,007	21,051		344,466	340,011	4,455	644,180	76
20	9,776			8	1,512	4,143	2,222		1,921		17,151	16,386	765	70,437	77
191	110,451	24	5,196			10,534	500	3,321	6,713		1,451,335	1,444,296	7,039	1,887,926	78
410	208,239	5	1,535	15	2,062	47,815	19,464	2,872	21,856	3,623	378,395	372,124	6,271	861,476	79
474	229,621	700	225,722	101	5,396	708,689	14,789	5,672	688,228		371,666	368,283	3,383	1,757,499	80
302	185,488			15	3,791	25,249	5,050	5,199	15,000		307,449	289,189	18,260	666,258	81
12	5,680					1,607	850	126	631		7,260	7,255	5	19,890	82
123	77,340			8	1,237	16,165	10,811	1,132	4,222		77,824	76,409	1,415	251,378	83
12	5,714			1	156	8,599	1,947	49	6,603		31,637	31,127	510	59,831	84
2	858					578	470	36	72		1,470	1,259	211	7,935	85
4,586	2,585,822	906	176,043	163	25,152	1,368,558	69,703	59,735	1,284,120		11,499,488	11,243,242	256,246	20,717,239	86

manufactured, 2; ink, writing, 1; iron and steel, forgings, 2; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; iron and steel, pipe, wrought, 1; lamps and reflectors, 2; lead, bar, pipe, and sheet, 1; lime and cement, 1; liquors, distilled, 1; millinery and lace goods, 1; oil, linseed, 1; oleomargarine, 1; paper hanging, 2; perfumery and cosmetics, 1; photographic materials, 1; plastering and stuccowork, 1; plated and britannia ware, 1; plumbers' supplies, 1; printing and publishing, music, 1; printing materials, 1; refrigerators, 1; regalia and society banners and emblems, 1; sand and emery paper and cloth, 1; saws, 1; ship and boat building, wooden, 2; show cases, 1; soap and candles, 2; springs, steel, car and carriage, 2; stamped ware, 2; surgical appliances, 1; taxidermy, 1; tobacco, chewing, smoking, and snuff, 2; umbrellas and canes, 1; upholstering materials, 1; varnish, 1; wheelbarrows, 1; window shades, 1.

READING.

14,351	$6,449,268	3,786	$958,704	1,028	$136,983	$5,085,456	$169,140	$92,480	$1,570,746	$3,253,090	$19,089,882	$18,301,154	$788,178	$36,902,511	1
7	2,508					763	678		85		7,948	7,782	166	16,306	2
354	154,565	26	6,410	27	4,131	55,094	4,182	368	50,549		525,133	518,674	6,459	816,332	3
27	12,721					2,152	1,816	177	134	25	12,770	12,012	758	48,318	4
14	6,044	19	4,627			1,286	430	123	733		7,180	6,572	608	26,071	5
12	5,966	8	676			3,104	2,127	162	291	524	23,232	22,866	366	57,526	6
28	12,478					10,330	460	480	9,390		51,941	51,009	932	88,541	7
35	11,909	35	7,489	4	494	3,684	960	245	2,479		71,037	70,307	730	104,456	8
26	11,082	66	13,852	19	2,510	4,513	840	330	3,343		39,125	37,794	1,331	99,544	9
15	9,170					926	220	280	426		14,577	13,682	895	34,503	10
212	103,405	2	551	3	456	21,935	4,578	2,292	15,065		233,547	223,409	10,138	501,197	11
19	6,687			5	1,200	1,262	830	52	380		2,903	588	2,315	17,525	12
35	11,460	5	936	3	409	1,937	336	70	1,531		44,697	44,582	115	73,604	13
267	132,190					197,403	1,345	718	3,179	192,161	365,226	364,885	341	782,571	14
5	1,910					419	174	39	156		6,647	6,582	65	18,529	15
203	88,115					13,262	1,855	962	9,945	500	104,685	101,499	3,186	307,859	16
1,962	1,045,675					2,968,665		8,584	9,742	2,950,339	2,254,943	2,242,323	12,620	6,315,128	17
129	62,422	185	48,978	1	104	21,905	10,453	844	8,830	1,778	180,228	178,747	1,481	407,149	18
46	20,780	114	29,987	12	1,816	6,629	1,674	436	4,469		241,189	240,741	398	359,771	19
4	1,620	50	13,489			1,258	1,150	48	60		9,703	9,402	301	30,869	20
4	1,425	39	9,562	6	1,026	1,618	914	44	660		29,726	29,246	480	55,341	21
3	1,728					1,189	240	316	633		19,206	18,865	341	24,761	22
191	46,300	111	20,448	26	4,328	16,977	5,600	845	10,532		249,146	244,358	4,788	420,109	23
21	8,660			2	390	1,613	879		734		15,921	13,097	2,824	32,942	24
13	6,805					1,798	1,146	2	650		42,070	42,050	20	61,163	25
1,565	679,822			7	1,752	123,718	7,848	8,220	107,650		1,269,309	1,215,533	53,776	2,437,355	26
498	233,939	198	44,478	35	4,588	40,806	1,200	1,260	38,346		765,247	749,046	16,201	1,133,688	27
18	9,272					1,987	1,384	88	515		14,812	14,391	421	37,010	28
1,280	551,125	80	17,262	227	32,474	39,237	60	4,625	34,552		562,569	535,301	27,268	1,611,268	29
183	75,674	1,184	279,337	300	35,846	53,266	5,420	1,887	40,307	5,652	696,527	681,689	14,838	1,326,397	30
3,782	1,606,460			37	5,551	344,793	250	14,061	330,482		6,320,660	5,816,234	504,426	9,530,286	31
49	21,299					5,807	1,092		4,715		66,227	65,572	655	118,267	32
5	1,605					785	350	5	90	340	1,922	752	1,170	6,100	33
119	66,361					393,600	13,520	17,066	363,014		189,777	176,212	13,565	881,665	34
7	2,778					513	328	10	175		5,791	5,731	60	11,195	35
146	69,467					7,280	581	680	6,019		184,636	182,566	2,070	302,339	36

TABLE 8.—MANUFACTURES IN CITIES

READING—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
37	Marble and stone work	8	$86,635	$17,800	$8,300	$15,685	$44,850	13	2	$936	49	$22,063
38	Masonry, brick and stone	14	87,902	2,900	3,420	17,175	64,407	22	9	3,050	275	129,945
39	Millinery, custom work	11	64,547	8,100	7,650	582	48,215	14	29	7,080	81	26,196
40	Models and patterns	4	7,517	1,800	1,200	2,802	1,715	4			5	1,728
41	Monuments and tombstones	7	82,410	12,300	2,350	5,025	62,735	11	4	2,500	59	33,725
42	Optical goods	3	268,090	10,000	25,000	173,000	60,090	3	20	15,289	154	34,640
43	Painting, house, sign, etc	42	84,423	12,725	18,925	8,751	44,022	55	3	860	156	70,399
44	Paints	5	154,776	29,500	25,000	23,600	76,676	1	12	13,716	23	9,484
45	Paper and wood pulp	3	549,913	93,000	84,000	165,000	207,913		13	23,787	129	52,021
46	Paper hanging	3	14,750	400	600	1,350	12,400	3	1	380	11	5,272
47	Paving and paving materials	9	11,910	4,975	1,875	1,170	3,890	9			57	19,353
48	Photography	9	49,287	17,500	12,000	8,975	10,812	10	5	1,134	37	16,254
49	Plastering and stuccowork	8	12,170	1,050	1,050	1,055	9,015	10			40	18,179
50	Plumbing, and gas and steam fitting	25	125,588	14,600	14,825	9,006	87,152	27	6	3,240	128	58,803
51	Pottery, terra cotta, and fire-clay products.	3	240,815	51,000	60,000	21,000	108,815	3	7	6,804	86	27,011
52	Printing and publishing, book and job	17	121,607	6,350	11,200	70,400	33,657	26			63	27,485
53	Printing and publishing, newspapers and periodicals.	10	391,723	79,500	65,500	105,660	141,063	5	31	21,625	176	88,999
54	Roofing and roofing materials	8	24,945	5,700	4,700	1,595	12,950	9	1	78	43	19,995
55	Saddlery and harness	7	25,285	3,000	3,500	1,710	12,025	8	1	500	15	6,116
56	Shirts	5	41,456	9,000	3,000	3,279	26,177	9	8	4,580	74	16,905
57	Tinsmithing, coppersmithing, and sheet-iron working.	38	158,281	48,880	33,600	18,160	57,691	45	9	2,920	83	37,685
58	Tobacco, cigars and cigarettes	76	750,497	58,775	154,848	29,747	507,127	91	62	53,078	1,107	421,775
59	Watch, clock, and jewelry repairing	22	34,326	8,800	5,400	10,451	9,675	22			26	15,735
60	Wool hats	4	450,149	33,000	38,000	42,300	336,849	8	1	600	205	126,558
61	All other industries[1]	67	4,154,734	419,639	512,972	1,789,662	1,432,461	84	178	137,726	1,928	585,200

[1] Embraces artificial feathers and flowers, 1; bags, paper, 2; baskets, and rattan and willow ware, 2; boots and shoes, factory product, 1; boxes, wooden packing, 1; brassware, 1; carriage and wagon material, 1; cars and general shop construction and repairs by street railroad companies, 2; cheese and butter, urban dairy products, 2; cheese, butter, and condensed milk, factory product, 1; cordage and twine, 1; cotton goods, 1; cotton small wares, 1; cutlery and edge tools, 1; dyeing and cleaning, 1; electroplating, 1; fancy articles, not elsewhere specified, 1; flouring and grist mill products, 1; food preparations, 1; furnishing goods, men's, 2; gas, illuminating and heating, 1; glass, 1; glass, cutting, staining, and ornamenting, 1; grease and tallow, 1; hairwork, 1; hand stamps, 1; hats and caps, not including fur hats and wool hats, 2; house furnishing goods, not elsewhere specified, 2; ice, manufactured, 2; iron and steel, bolts, nuts, washers,

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1	All industries	710	$19,954,525	$2,303,113	$3,768,815	$5,227,697	$8,654,900	771	661	$791,589	12,669	$5,191,522
2	Bicycle and tricycle repairing	7	19,615	3,000	3,975	8,190	4,450	10	1	1,300	24	10,565
3	Blacksmithing and wheelwrighting	48	58,300	18,400	9,565	10,870	19,465	52			52	22,221
4	Boots and shoes, custom work and repairing.	71	18,160	2,700	1,075	7,870	6,515	71			16	7,155
5	Bottling	10	19,190	2,400	1,800	3,210	11,780	12	3	1,130	19	7,824
6	Bread and other bakery products	27	191,711	33,500	55,282	46,022	56,907	30	28	17,918	132	55,453
7	Brick and tile	3	60,161	19,500	9,500	10,500	20,661	11	2	1,620	67	22,520
8	Carpentering	18	198,433	42,966	41,105	13,202	101,160	22	15	14,520	207	112,563
9	Carpets, rag	8	5,395	2,200	1,500	895	800	8			2	404
10	Carriages and wagons	9	344,396	137,700	74,700	25,834	106,162	13	8	4,296	129	65,338
11	Clothing, men's, custom work and repairing.	56	87,670	9,300	9,500	10,410	58,460	57	1	1,040	165	68,682
12	Clothing, women's, dressmaking	18	18,845			3,350	9,995	18			60	12,682
13	Clothing, women's, factory product	3	35,500			17,500	18,000	4	6	3,320	322	59,950
14	Dyeing and cleaning	7	10,775	3,000	2,500	4,300	975	8			15	5,690
15	Electrical construction and repairs	4	7,175			2,175	5,000	4	3	5,000	9	6,270
16	Flavoring extracts	5	22,775	6,400	4,625	2,600	9,150	5	5	3,664	7	3,590
17	Flouring and grist mill products	4	335,000	107,000	78,000	48,000	107,000	5	8	11,940	35	17,722
18	Foundry and machine shop products	13	3,953,580	842,784	888,644	841,663	1,380,489	10	52	90,994	1,381	706,787
19	Furniture, cabinetmaking, repairing, and upholstering.	8	6,595	700	900	1,485	3,510	9			5	2,100
20	Hats and caps, not including fur hats and wool hats.	3	1,855			780	1,075	3			5	2,080
21	Iron and steel	5	4,400,779	140,000	500,215	909,322	2,851,242	1	60	144,094	2,315	1,227,783
22	Liquors, malt	6	1,481,012	186,625	490,634	457,425	296,328		29	92,077	181	116,666
23	Looking-glass and picture frames	3	4,100			800	3,300	3			3	1,038
24	Lumber, planing mill products, including sash, doors, and blinds.	11	592,507	166,050	73,131	80,959	272,367	12	21	20,430	277	119,994
25	Marble and stone work	7	235,648	40,100	22,594	100,214	72,740	6	6	6,160	90	46,011
26	Masonry, brick and stone	13	182,080	33,800	21,300	38,990	87,990	19	15	13,440	528	279,299
27	Mattresses and spring beds	3	69,318	12,000	22,489	9,000	25,824	3	5	3,725	28	12,284
28	Millinery, custom work	21	75,582	4,750	10,500	5,436	54,896	24	42	16,375	104	21,395
29	Mineral and soda waters	4	36,200	10,500	7,500	11,800	6,400	7	2	1,520	22	8,604
30	Painting, house, sign, etc	64	57,462	12,500	14,850	7,610	22,502	70	2	900	172	91,374
31	Paper hanging	10	4,970	1,700	1,200	995	1,075	11			13	6,266
32	Patent medicines and compounds	6	3,925	1,000	400	1,300	1,225	7	1	400	6	1,780
33	Photography	11	35,727	2,000	1,000	16,699	16,028	12	6	8,400	27	8,909
34	Plastering and stuccowork	3	865			375	490	3			3	1,200
35	Plumbing, and gas and steam fitting	40	158,552	18,225	16,400	16,709	112,218	51	16	9,746	169	86,128
36	Printing and publishing, book and job	13	74,898	5,575	5,000	53,462	10,861	16	3	1,280	50	22,715

BY SPECIFIED INDUSTRIES: 1900—Continued.

READING—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
49	$22,063					$1,167	$339	$108	$720		$31,024	$30,542	$482	$68,996	37
275	129,945					68,191	1,612	141	2,093	$59,345	78,516	77,724	792	314,184	38
		81	$26,136			9,915	5,848	194	3,873		89,849	88,925	924	163,102	39
5	1,728					521	356	30	135		2,547	2,287	260	7,617	40
59	33,725					1,518	956	157	405		21,717	21,114	603	79,521	41
14	8,400	126	23,240	14	$3,000	4,322	560	400	3,362		96,140	95,500	640	184,770	42
156	70,399					6,960	3,549	407	2,629	375	59,721	59,387	334	190,636	43
21	8,808	2	676			5,195	90	1,418	3,687		117,524	116,603	921	168,846	44
90	45,104	39	6,917			52,106		3,001	49,105		214,041	193,114	20,927	429,205	45
11	5,272					1,040	800	15	225		8,245	8,205	40	18,150	46
57	19,353					655	25	105	525		28,164	28,159	5	57,887	47
20	11,600	17	4,654			4,289	1,758	420	1,711	400	14,366	13,642	724	52,116	48
40	18,179					1,000		32	90	878	18,210	18,210		43,966	49
128	58,808					5,973	3,248	466	2,259		132,794	132,269	525	249,163	50
84	26,911			2	100	1,770		733	1,037		28,688	24,678	4,010	105,128	51
54	26,441			9	1,044	7,062	2,328	257	4,477		35,020	32,872	2,148	99,447	52
147	84,070	14	3,090	15	1,839	50,360	4,635	1,190	40,058	4,477	49,483	45,950	3,533	309,266	53
43	19,995					1,748	247	137	1,364		39,678	39,583	95	73,725	54
15	6,116					2,550	1,904	170	476		12,275	12,091	184	28,261	55
8	1,225	71	15,680			1,387	490	174	723		39,541	39,226	315	76,155	56
82	37,416			1	169	10,039	3,233	1,128	5,478	200	102,072	101,018	1,054	200,746	57
526	235,725	540	180,254	41	5,796	260,252	6,297	2,239	251,701	15	784,094	781,404	2,690	1,683,466	58
25	15,631			1	104	3,760	2,462	156	1,142		11,041	10,529	512	46,327	59
157	80,273	104	41,299	34	4,986	6,769	300	1,672	4,797		293,860	288,813	5,047	528,130	60
1,056	493,649	675	158,681	197	22,870	230,393	53,183	12,316	128,813	36,081	2,150,515	2,095,210	55,305	3,638,006	61

and rivets, 1; iron and steel, forgings, 1; lamps and reflectors, 1; leather, tanned, curried, and finished, 2; lock and gun smithing, 1; malt, 1; mattresses and spring beds, 1; mirrors, 1; patent medicines and compounds, 1; photolithographing and photoengraving, 1; regalia and society banners and emblems, 2; sewing machine repairing, 1; silk and silk goods, 1; slaughtering and meat packing, wholesale, 1; soap and candles, 1; stereotyping and electrotyping, 1; tobacco, chewing, smoking, and snuff, 2; toys and games, 1; trunks and valises, 1; umbrellas and canes, 1; washing machines and clothes wringers, 2; window shades, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 1; woolen goods, 2.

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8,776	$4,509,263	2,863	$525,849	1,030	$156,410	$1,857,881	$154,034	$91,394	$1,159,672	$452,781	$18,411,022	$17,340,548	$1,070,474	$27,646,418	1
24	10,565					3,211	1,420	295	1,496		7,702	7,321	381	26,286	2
51	22,077			1	144	6,606	5,489	300	817		28,964	26,896	2,068	99,702	3
16	7,155					7,458	6,773	90	595		26,320	26,008	312	73,873	4
19	7,824					5,105	1,992	169	2,944		78,170	77,923	247	121,524	5
88	46,940	28	6,513	16	2,000	14,518	7,176	682	6,660		207,978	203,181	4,842	357,666	6
66	22,220			1	300	3,103	1,275	270	1,558		3,653	650	3,003	42,000	7
207	112,563					47,940	1,121	888	2,591	43,340	194,947	194,334	613	426,906	8
2	404					435	372	39	24		2,051	2,001	50	5,994	9
124	64,412			5	921	7,960	2,444	1,280	4,236		81,895	80,422	1,473	220,703	10
94	47,702	71	20,790			21,487	11,878	191	8,958	460	74,806	73,886	920	216,992	11
		60	12,682			4,654	3,814		840		25,925	25,830	95	57,087	12
7	3,150	294	53,600	21	3,800	3,478	2,820		370	288	50,420	49,720	700	133,270	13
8	3,920	7	1,770			2,890	2,600	25	265		1,847	1,437	410	16,685	14
9	6,270					6,509	632		877	5,000	47,525	47,410	115	89,316	15
5	2,980	2	650			1,396	396	75	925		9,101	8,951	150	23,780	16
35	17,722					11,175	720	2,233	8,222		394,608	392,275	2,333	461,790	17
1,368	704,382			13	2,405	217,320	1,920	18,718	196,682		853,604	819,807	33,797	1,755,909	18
5	2,100					1,229	1,008	16	205		9,105	9,067	38	18,970	19
4	1,780	1	300			1,641	1,316		325		2,026	1,945	81	9,080	20
2,315	1,227,788					57,258		23,659	33,599		9,363,721	8,418,542	945,179	10,231,139	21
181	116,606					550,427		15,322	535,105		220,250	212,384	7,866	1,196,105	22
2	960			1	78	1,480	1,200		280		7,833	7,808	25	17,600	23
277	119,994					12,369	404	1,849	10,116		378,948	375,242	3,706	610,201	24
90	46,041					5,357	376	812	4,169		53,220	52,657	563	123,090	25
528	279,299					117,254	4,520	1,242	3,309	108,183	193,014	192,544	470	716,571	26
22	10,724	6	1,560			3,356	240	381	2,735		33,233	32,907	326	75,500	27
		104	21,395			16,140	13,165	197	2,778		66,489	65,976	513	148,661	28
22	8,604					2,281	264	321	1,696		16,691	16,559	132	52,696	29
168	90,374			4	1,000	5,843	4,556	352	935		67,012	66,927	85	222,510	30
13	6,266					779	553	61	165		3,790	3,780	10	19,770	31
2	1,020	3	640	1	120	2,019	924	30	1,065		4,305	4,260	45	11,470	32
11	5,802	14	2,831	2	276	7,251	4,901	10	2,340		16,990	16,870	120	53,150	33
3	1,200					328	308		20		970	935	35	3,945	34
167	85,760			2	368	21,472	9,966	448	9,108	1,950	215,126	213,817	1,309	415,747	35
42	21,434			8	1,281	5,715	3,668	150	1,897		21,464	20,099	1,365	66,717	36

TABLE 8.—MANUFACTURES IN CITIES

SCRANTON—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
37	Printing and publishing, newspapers and periodicals.	23	$919,093	$26,800	$59,700	$243,456	$589,637	23	74	$51,889	319	$155,797
38	Saddlery and harness	10	25,270	1,300	2,200	3,515	18,255	12	2	1,500	20	9,316
39	Silk and silk goods	5	1,641,251	59,000	359,290	633,792	589,169	6	50	77,077	2,318	863,476
40	Tinsmithing, coppersmithing, and sheet-iron working.	7	29,474	2,800	2,700	3,875	20,099	12	2	490	45	16,790
41	Tobacco, chewing, smoking, and snuff	3	188,933	38,000	44,291	16,240	90,402	6	19	16,735	102	36,672
42	Tobacco, cigars and cigarettes	24	84,785	4,200	6,400	5,855	68,330	28	8	4,868	108	42,291
43	Watch, clock, and jewelry repairing	23	15,560			5,461	10,099	24			17	8,476
44	All other industries[1]	73	4,296,908	310,138	929,350	1,545,551	1,511,869	63	166	163,741	3,100	1,317,792

[1] Embraces artificial limbs, 2; bookbinding and blank book making, 2; boot and shoe cut stock, 1; boxes, cigar, 1; brass castings and brass finishing, 1; brassware, 1; brooms and brushes, 1; buttons, 2; carriage and wagon materials, 2; cars and general shop construction and repairs by steam railroad companies, 2; cars and general shop construction and repairs by street railroad companies, 1; cheese, butter, and condensed milk, factory product, 2; china decorating, 1; clothing, men's, factory product, 1; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; confectionery, 2; cotton goods, 1; electroplating, 1; emery wheels, 1; explosives, 1; food preparations, 1; fur goods, 1; furniture, factory product, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; grease and tallow, 1; hones and whetstones, 1; hosiery and knit goods, 1; ice, manufactured, 1; ink,

SHENANDOAH.

1	All industries	78	$374,057	$41,125	$143,865	$98,644	$90,423	88	13	$13,544	210	$88,555
2	Blacksmithing and wheelwrighting	5	8,725	1,300	4,900	1,500	1,025	5	1	600	14	5,672
3	Boots and shoes, custom work and repairing.	7	1,570	400	300	705	165	7			6	1,925
4	Bread and other bakery products	5	4,615	1,000	2,000	610	1,005	5			10	3,961
5	Clothing, men's, custom work and repairing.	13	8,463	750	665	1,350	5,698	16			34	12,277
6	Millinery, custom work	8	1,699	500	475	29	695	10			7	933
7	Painting, house, sign, etc	3	1,005	125	500	175	205	3			4	2,520
8	Printing and publishing, newspapers and periodicals.	4	18,000	500	500	15,500	1,500	9			17	7,287
9	Tinsmithing, coppersmithing, and sheet-iron working.	3	2,140	100	75	1,150	815	4				
10	Tobacco, cigars and cigarettes	3	2,500			350	2,150	4			6	3,334
11	Watch, clock, and jewelry repairing	5	1,975			1,375	600	5			4	1,440
12	All other industries[1]	22	323,365	36,450	134,450	75,900	76,565	20	12	12,944	108	49,206

[1] Embraces bottling, 2; carpentering, 2; confectionery, 1; dyeing and cleaning, 1; fertilizers, 1; foundry and machine shop products, 1; gas, illuminating and heating, 1; hats and caps, not including fur hats and wool hats, 1; ice, manufactured, 1; liquors, malt, 1; monuments and tombstones, 1; paper hanging, 1;

WILKESBARRE.

1	All industries	438	$10,501,537	$825,420	$1,629,129	$3,963,148	$4,083,834	520	340	$406,823	5,977	$2,286,676
2	Bicycle and tricycle repairing	10	11,760			5,700	6,060	12			15	6,145
3	Blacksmithing and wheelwrighting	26	24,500	7,125	4,350	5,130	7,895	26			34	15,719
4	Boots and shoes, custom work and repairing.	30	7,260	1,400	900	2,920	2,040	29			14	6,080
5	Bottling	3	6,500			3,100	3,400	4			6	2,392
6	Bread and other bakery products	15	146,354	46,400	19,723	30,060	50,171	18	9	6,011	138	51,166
7	Carpentering	30	178,837	31,760	23,717	17,922	105,438	37	11	8,940	310	163,885
8	Carriages and wagons	7	66,100	20,100	14,100	5,800	26,100	8			31	15,150
9	Clothing, men's, custom work and repairing.	40	92,745	8,400	8,550	4,525	71,270	45	2	2,100	112	50,591
10	Clothing, women's, dressmaking	17	4,585			1,950	2,635	23			59	14,806
11	Clothing, women's, factory product	3	511,500	18,500	37,500	48,000	407,500	7	21	43,800	636	136,708
12	Coffee and spice, roasting and grinding	3	19,750	1,200	1,600	3,800	13,150	3			10	5,586
13	Confectionery	9	14,410			9,150	5,260	10	4	1,712	14	3,930
14	Flouring and grist mill products	4	121,884	26,100	28,486	22,007	45,291	3	11	7,512	15	7,467
15	Foundry and machine shop products	5	1,165,209	157,802	163,184	333,571	510,652	7	43	55,455	574	265,200
16	Furniture, cabinetmaking, repairing, and upholstering.	7	12,270	2,500	4,000	2,260	3,510	8			16	5,232
17	Looking-glass and picture frames	5	8,925			775	8,150	7			8	3,518
18	Lumber, planing mill products, including sash, doors, and blinds.	3	57,500	12,000	6,500	15,500	23,500	5	1	1,000	38	20,522
19	Marble and stone work	4	5,545	960	25	910	3,650	6			16	7,110
20	Masonry, brick and stone	9	82,848	3,920	623	9,261	69,039	9	2	1,440	179	74,436
21	Mattresses and spring beds	3	13,600	500	500	2,600	10,000	5			8	4,184
22	Millinery, custom work	11	52,720			870	51,850	13	5	2,100	115	23,044
23	Mineral and soda waters	5	29,100	2,000	1,000	10,800	15,300	6			14	7,550
24	Painting, house, sign, etc	28	48,565	8,200	7,105	4,880	28,380	32	2	1,080	85	44,526
25	Paving and paving materials	5	3,477			1,214	2,263	7			10	4,008
26	Photography	6	15,450			6,100	9,350	8	1	400	10	3,545
27	Plumbing, and gas and steam fitting	22	101,015	4,200	8,100	14,850	73,865	35	9	5,980	134	70,255
28	Printing and publishing, book and job	11	147,857	20,000	9,500	72,300	46,057	12	8	5,604	80	40,594
29	Printing and publishing, newspapers and periodicals.	15	222,625	39,000	16,500	101,100	66,025	14	42	31,572	179	77,409
30	Saddlery and harness	8	26,325	2,200	900	1,975	21,250	10			13	7,642
31	Shirts	3	12,800			5,000	7,800	5	2	1,850	77	18,720

BY SPECIFIED INDUSTRIES: 1900—Continued.

SCRANTON—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
233	$138,889	68	$13,956	18	$2,952	$243,104	$11,862	$1,004	$25,370	$204,868	$174,852	$171,671	$3,181	$815,375	37
20	9,316					3,142	2,277	70	795		17,777	17,691	86	42,901	38
139	35,574	1,374	205,884	805	122,018	134,746	4,938	4,397	37,079	88,332	2,861,857	2,844,289	17,568	3,616,885	39
28	14,690			17	2,100	1,521	1,370	71	80		15,222	15,006	216	42,167	40
29	18,204	73	18,468			91,401	780	1,032	89,589		140,678	140,041	637	344,593	41
58	30,562	40	10,896	10	833	26,223	6,148	147	19,928		69,025	68,768	257	161,665	42
16	8,926			1	150	6,759	5,788	58	913		3,889	3,853	36	33,409	43
2,278	1,147,514	718	154,614	104	15,664	173,541	20,660	14,510	138,011	360	2,364,024	2,328,908	35,116	4,467,018	44

writing, 1; ironwork, architectural and ornamental, 2; jewelry, 1; lamps and reflectors, 2; lime and cement, 2; lock and gun smithing, 1; lumber and timber products, 1; monuments and tombstones, 2; musical instruments, pianos and materials, 1; oil, not elsewhere specified, 1; optical goods, 2; paints, 1; paving and paving materials, 2; perfumery and cosmetics, 1; pickles, preserves, and sauces, 2; pottery, terra cotta, and fire-clay products, 2; roofing and roofing materials, 1; scales and balances, 1; sewing machine repairing, 1; shirts, 1; slaughtering and meat packing, wholesale, 2; soap and candles, 1; stereotyping and electrotyping, 1; tools, not elsewhere specified, 1; varnish, 1; wirework, including wire rope and cable, 1.

SHENANDOAH.

186	$83,031	22	$5,286	2	$238	$96,929	$6,139	$1,873	$88,627	$290	$180,224	$176,959	$3,265	$479,336	1
14	5,672					331	144	101	86		3,257	3,001	256	15,662	2
6	1,925					504	348	18	138		2,553	2,441	112	7,579	3
10	3,961					325	228	35	62		18,851	18,461	390	27,879	4
26	10,442	8	1,835			1,852	1,248	72	242	290	18,830	18,597	233	41,250	5
		7	933			890	720	26	144		6,186	6,135	51	13,432	6
4	2,520					190	96	8	86		758	742	16	4,900	7
15	6,906	1	288	1	93	800	612	9	179		5,054	4,824	230	18,944	8
						90	76	6	8		1,449	1,401	48	2,335	9
6	3,334					2,812	228		2,084		4,978	4,924	54	14,864	10
4	1,440					807	696		111		1,445	1,389	56	5,760	11
101	46,831	6	2,230	1	145	88,828	1,743	1,598	85,487		116,863	115,044	1,819	326,731	12

photography, 2; plumbing, and gas and steam fitting, 1; regalia and society banners and emblems, 1; saddlery and harness, 2; shirts, 1; wirework, including wire rope and cable, 1.

WILKESBARRE.

3,727	$1,847,462	1,780	$379,615	470	$59,599	$1,142,358	$86,479	$32,194	$736,454	$287,231	$5,167,777	$5,090,803	$76,974	$10,758,348	1
15	6,145					1,935	1,462	4	469		4,112	3,862	250	25,320	2
32	15,344			2	375	2,866	2,551	100	215		16,070	15,048	1,022	56,217	3
13	5,950			1	130	3,093	2,935	56	102		10,164	9,987	177	32,327	4
6	2,892					1,095	410	20	665		10,994	10,878	116	19,600	5
108	44,545	27	6,096	3	525	13,384	6,280	599	6,505		123,226	120,231	2,995	247,250	6
309	163,660			1	225	127,727	2,153	905	3,466	121,203	313,950	313,345	605	754,196	7
31	15,150					2,432	1,090	195	1,147		13,470	12,835	635	45,225	8
89	43,506	22	6,989	1	96	14,633	11,313	368	2,952		55,421	55,054	367	168,332	9
		57	14,706	2	100	2,728	2,637	4	87		7,427	7,389	38	38,842	10
36	22,862	542	106,200	58	7,646	77,410	1,710	625	70,575	4,500	316,508	315,620	888	627,039	11
8	5,236	2	350			1,850	860	70	420		19,882	19,257	625	32,684	12
7	2,420	6	1,410	1	100	3,997	3,402	16	579		17,675	17,068	607	43,884	13
15	7,467					5,830	300	592	4,938		119,814	118,976	838	148,177	14
574	265,200					25,115		4,951	20,164		428,116	419,851	8,265	865,726	15
11	4,271	5	961			564	411	45	108		6,205	6,180	25	17,700	16
8	3,518					954	750	4	200		11,020	11,020		20,744	17
38	20,522					3,739	1,800	400	1,539		31,203	30,575	628	71,258	18
16	7,110					643	328	25	90	200	10,843	10,833	10	24,590	19
179	74,436					25,788		110	6,094	19,534	83,023	82,891	132	205,056	20
6	3,092	2	1,092			914	705	19	190		18,860	18,745	115	27,658	21
2	500	112	22,402	1	142	8,461	6,934	75	1,452		69,209	69,084	125	129,293	22
14	7,550					1,136	660	36	440		12,153	11,986	167	36,856	23
84	44,376			1	150	3,049	1,997	206	846		27,301	27,226	75	110,889	24
10	4,008					221	202		19		8,540	8,540		16,335	25
5	2,089	5	1,456			3,606	2,546		1,060		7,658	7,612	46	24,080	26
132	69,930			2	325	31,107	4,066	261	6,115	20,665	86,749	85,943	806	250,483	27
54	33,831	11	3,867	15	2,896	6,031	3,062	348	2,621		31,554	29,957	1,597	103,182	28
163	74,688	3	585	13	2,136	49,463	3,034	470	38,570	7,389	52,301	50,304	1,997	307,467	29
12	7,482	1	160			2,025	1,629	30	366		10,627	10,578	49	30,650	30
5	2,436	67	15,824	5	960	1,300	950		350		69,145	68,720	425	103,940	31

TABLE 8.—MANUFACTURES IN CITIES.

WILKESBARRE—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
32	Slaughtering and meat packing, wholesale.	3	$184,424	$10,000	$15,546	$6,302	$152,576	6	14	$13,610	21	$10,363
33	Tinsmithing, coppersmithing, and sheet-iron working.	5	95,635	1,100	450	27,500	66,585	7	11	4,680	59	17,620
34	Tobacco, cigars and cigarettes	16	32,530	2,900	1,100	1,685	26,845	20	1	572	38	16,416
35	Watch, clock, and jewelry repairing	15	8,285	1,900	2,200	3,125	1,060	15			10	5,403
36	Wirework, including wire rope and cable.	3	1,281,822	57,800	154,050	493,059	576,913	3	19	19,740	239	124,181
37	All other industries[1]	49	5,686,830	337,459	1,098,920	2,687,447	1,563,004	55	119	191,665	2,660	955,568

[1] Embraces artificial limbs, 1; awnings, tents, and sails, 1; bluing, 1; bookbinding and blank book making, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; brass castings and brass finishing, 1; brick and tile, 2; carpets, rag, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 1; cars and general shop construction and repairs by street railroad companies, 1; cotton goods, 2; cutlery and edge tools, 2; dyeing and cleaning, 2; electrical construction and repairs, 2; fancy articles, not elsewhere specified, 1; fertilizers, 1; furniture, factory product, 1; gas, illuminating and

WILLIAMSPORT.

1	All industries	396	$9,863,811	$912,145	$977,480	$2,094,664	$5,879,522	439	397	$352,348	5,595	$2,065,930
2	Bicycle and tricycle repairing	8	20,077	1,600	3,300	4,530	10,647	8	1	468	9	3,431
3	Blacksmithing and wheelwrighting	15	29,005	9,600	7,650	2,325	9,430	19			14	6,625
4	Boots and shoes, custom work and repairing.	18	8,045	3,200	1,800	1,545	1,500	15			10	4,292
5	Bottling	4	24,319	500	1,800	12,718	9,301	4	3	3,420	8	3,639
6	Bread and other bakery products	17	93,131	6,200	14,500	39,347	33,084	18	10	6,923	58	21,749
7	Brick and tile	3	34,825	13,875	3,500	950	16,500	2	2	2,300	19	9,464
8	Carpentering	18	64,674	4,200	9,993	6,675	43,806	25	1	80	115	51,669
9	Carriages and wagons	4	47,202	3,500	3,600	1,300	38,892	5			37	19,038
10	Clothing, men's, custom work and repairing.	27	78,323	6,725	13,100	5,636	52,862	32			132	45,979
11	Clothing, men's, factory product	5	226,800	4,800	24,000	26,000	172,000	8	54	28,770	733	231,800
12	Clothing, women's, dressmaking	28	14,146	900	3,000	2,646	7,600	24			75	11,780
13	Confectionery	6	70,488	10,000	11,200	14,065	35,223	7	8	4,920	35	11,878
14	Foundry and machine shop products	15	608,652	54,100	84,643	197,347	272,562	15	36	28,548	418	186,591
15	Furniture, cabinetmaking, repairing, and upholstering.	6	10,715	2,550	2,150	755	5,260	8			7	3,525
16	Furniture, factory product	8	555,893	53,510	152,043	94,801	255,539	13	35	30,863	373	123,287
17	Leather, tanned, curried, and finished	3	1,610,352	17,000	49,000	12,200	1,532,152	5	9	4,820	190	78,749
18	Lock and gun smithing	3	7,050	1,500	1,000	2,100	2,450	4			3	1,100
19	Looking-glass and picture frames	4	45,350	6,200	7,500	7,750	23,900	5	5	2,912	61	22,196
20	Lumber and timber products	6	1,601,696	286,578	38,000	81,509	1,195,609	10	22	28,535	374	159,048
21	Lumber, planing mill products, including sash, doors, and blinds.	13	461,693	81,628	46,809	77,566	305,690	21	21	35,070	338	128,593
22	Masonry, brick and stone	3	9,950	600	350	3,650	5,350	3			30	11,385
23	Millinery, custom work	15	40,159	3,000	7,000	2,808	27,351	16	1	1,200	58	11,294
24	Monuments and tombstones	3	19,356	2,200	825	825	15,506	4			5	2,500
25	Painting, house, sign, etc	21	14,155	850	1,760	2,498	9,047	21			46	21,536
26	Photography	10	39,466	5,000	3,575	12,750	18,141	10			12	6,230
27	Plumbing, and gas and steam fitting	12	27,497	1,750	1,600	3,800	20,347	12	2	600	42	21,944
28	Printing and publishing, book and job	6	29,955	300	200	21,720	7,735	8	2	1,830	27	12,186
29	Printing and publishing, newspapers and periodicals.	4	281,197	9,000	17,417	113,661	141,119	4	44	30,619	95	49,295
30	Roofing and roofing materials	10	10,180	1,300	800	3,145	4,935	10			15	7,021
31	Saddlery and harness	8	177,688	1,500	12,262	46,786	117,090	9	15	15,101	179	49,711
32	Saws	3	12,658	1,000	1,600	4,878	5,180	4	1	144	20	8,325
33	Shirts	3	5,800	500	1,000	1,800	2,500	3			20	7,500
34	Tinsmithing, coppersmithing, and sheet-iron working.	9	34,317	4,000	1,350	3,525	25,442	9	6	1,690	28	14,047
35	Tobacco, cigars and cigarettes	4	9,413			265	9,148	5			14	7,573
36	Watch, clock, and jewelry repairing	14	6,015			2,600	3,415	15			7	3,476
37	All other industries[1]	65	3,533,529	362,979	449,153	1,278,188	1,443,209	58	119	123,535	1,988	707,354

[1] Embraces belting and hose, leather, 1; bookbinding and blank book making, 1; boots and shoes, factory product, 1; boots and shoes, rubber, 1; boxes, cigar, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brooms and brushes, 2; carpets, rag, 1; cars and general shop construction and repairs by steam railroad companies, 1; cheese, butter, and condensed milk, factory product, 1; chemicals, 2; corsets, 1; cotton small wares, 1; dyeing and cleaning, 2; electrical construction and repairs, 1; electroplating, 1; engraving, wood, 1; flouring and grist mill products, 2; furnishing goods, men's, 2; furs, dressed, 1; gas, illuminating and heating, 1; grease and tallow, 1; hairwork, 1; ice, manufactured, 1; kindling wood, 2; leather goods, 1; liquors, malt, 2; lithographing and engraving, 1;

YORK.

1	All industries	464	$9,640,784	$926,336	$1,357,974	$2,240,086	$5,115,788	564	404	$433,281	7,785	$2,679,175
2	Agricultural implements	4	333,410	20,300	28,000	71,000	214,110	3	35	26,278	314	112,141
3	Baskets, and rattan and willow ware	9	5,530	950	2,675	255	1,650	9			3	1,866
4	Bicycle and tricycle repairing	8	10,247	100	200	4,207	5,740	8			11	3,707
5	Blacksmithing and wheelwrighting	16	25,845	7,900	7,250	3,075	7,620	17			14	4,992
6	Boots and shoes, custom work and repairing.	41	17,030	2,300	4,650	3,220	6,860	44			7	1,969
7	Bottling	4	19,500			7,800	11,700	4			13	4,628
8	Boxes, cigar	6	231,711	10,500	25,033	40,191	155,987	12	8	6,136	171	42,904
9	Bread and other bakery products	24	154,320	22,150	37,900	38,990	55,780	26	17	12,749	215	61,312
10	Brick and tile	4	49,600	16,000	10,000	5,600	18,000	7			128	39,154
11	Brooms and brushes	5	3,520	850	1,400	310	960	5			3	1,000

BY SPECIFIED INDUSTRIES: 1900—Continued.

WILKESBARRE—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
21	$10,363					$11,318	$4,500	$374	$6,439		$406,588	$406,058	$480	$474,646	32
43	14,920	12	$2,200	4	$500	11,194	1,700	39	1,655	$7,800	52,898	52,632	266	102,400	33
33	15,732	3	444	2	240	9,769	1,783	59	7,927		28,740	28,704	36	66,747	34
9	5,308			1	100	1,520	775	120	625		2,318	2,295	23	19,608	35
239	124,181					32,910	75	2,560	30,275		610,346	602,581	7,765	810,031	36
1,400	717,242	903	195,373	357	42,958	653,106	11,469	18,508	517,189	105,940	2,078,717	2,028,938	44,779	4,700,936	37

heating, 1; hats and caps, not including fur hats and wool hats, 1; ice, manufactured, 1; ironwork, architectural and ornamental, 2; jewelry, 1; liquors, malt, 2; lock and gun smithing, 2; monuments and tombstones, 2; paper hanging, 1; patent medicines and compounds, 1; plastering and stuccowork, 2; roofing and roofing materials, 2; ship and boat building, wooden, 1; silk and silk goods, 2; steam packing, 1; taxidermy, 1; tools, not elsewhere specified, 1; wood, turned and carved, 1.

WILLIAMSPORT.

3,679	$1,587,052	1,614	$484,185	302	$44,693	$517,059	$54,824	$19,754	$400,698	$41,783	$6,420,337	$6,349,847	$70,490	$11,199,600	1
7	3,119			2	312	941	450	71	420		9,867	9,503	364	19,521	2
14	6,625					1,182	780	182	170		9,805	9,407	398	31,581	3
10	4,292					1,246	1,188	22	36		6,640	6,451	189	18,786	4
8	3,639					4,082	960	560	2,562		39,916	39,563	353	58,825	5
47	19,773	10	1,716	1	260	17,608	1,759	358	15,491		77,404	75,198	2,206	151,568	6
18	9,302			1	162	3,771	1,200	123	2,448		18,040	14,443	3,597	40,882	7
115	51,669					29,200	356	320	1,487	27,037	112,120	111,763	357	225,197	8
37	19,038					2,397	949	62	1,256	130	29,535	29,123	412	70,071	9
69	34,218	63	11,761			3,991	3,052	223	716		72,428	71,478	950	156,714	10
123	46,600	560	177,760	50	7,500	3,748	1,500	125	2,123		624,261	621,470	2,791	977,000	11
		75	11,780			2,040	1,622	58	360		5,845	5,526	319	34,634	12
23	9,725	11	1,945	1	208	2,235	510	334	1,391		53,003	52,810	763	101,105	13
411	185,688			7	903	20,169	1,962	1,816	16,391		429,076	416,773	12,303	747,617	14
7	3,525					2,588	81	123	384	2,000	16,160	15,873	287	27,672	15
351	119,749			22	3,538	20,337	1,605	1,770	16,962		287,667	285,000	2,667	508,223	16
175	75,804			15	2,945	69,983		1,651	68,332		604,244	602,393	1,851	839,375	17
2	1,040			1	120	402	220	78	74	30	879	815	64	4,912	18
41	16,572	11	3,610	9	2,014	2,070	320	183	1,567		29,744	28,762	982	65,224	19
374	159,048					77,084	6,270	2,136	60,413	8,265	784,607	784,607		1,429,028	20
326	126,948			12	1,645	18,742	2,405	849	10,488		367,518	364,598	2,920	637,116	21
30	11,385					1,124	120	16	158	830	8,185	8,185		22,779	22
1	1,000	56	10,198	1	96	5,500	4,874	84	542		44,655	44,491	164	88,885	23
5	2,500					1,982	132	35	315	1,500	9,342	9,312	30	18,014	24
45	21,471			1	65	1,329	652	74	603		11,507	11,435	72	48,242	25
8	4,960	4	1,270			2,415	1,436	117	862		15,036	14,680	356	36,588	26
42	21,944					2,369	1,154	86	1,069	60	36,546	36,382	164	78,204	27
22	11,468	2	390	3	338	2,043	1,200	3	540	300	19,160	18,790	370	44,277	28
92	48,771	2	264	1	260	53,424	2,712	348	50,364		62,686	59,068	3,618	254,498	29
15	7,021					952	539	41	372		11,790	11,705	85	28,694	30
105	35,870	74	13,841			10,050	1,210	289	8,121	430	115,463	113,740	1,723	222,645	31
19	8,200			1	125	572	201	90	281		6,793	6,071	722	20,180	32
3	2,500	17	5,000			568	390	15	163		5,885	5,570	315	18,600	33
28	14,047					2,599	1,491	106	1,002		42,247	41,899	348	70,734	34
11	6,455	3	1,118			3,087	263	29	2,795		10,422	10,341	81	24,600	35
7	3,476					2,090	1,987	10	93		2,887	2,696	191	13,200	36
1,083	489,620	726	193,532	174	24,202	148,189	9,274	7,367	130,347	1,201	2,488,919	2,460,431	28,488	4,074,514	37

marble and stone work, 2; matches, 1; mattresses and spring beds, 1; mineral and soda waters, 2; models and patterns, 1; musical instruments and materials, not specified, 1; optical goods, 1; paints, 2; paper hanging, 2; patent medicines and compounds, 1; paving and paving materials, 2; plastering and stuccowork, 1; sand and emery paper and cloth, 1; sewing machines and attachments, 1; silk and silk goods, 1; steam fittings and heating apparatus, 1; surgical appliances, 1; taxidermy, 2; umbrellas and canes, 1; window shades, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 1; woolen goods, 1.

YORK.

5,802	$2,283,326	1,501	$395,093	482	$60,756	$798,453	$50,851	$19,727	$654,429	$73,446	$6,078,070	$5,869,260	$208,810	$11,961,706	1
310	111,578			4	568	9,721	750	250	8,721		183,506	180,933	2,573	407,417	2
5	1,516			3	350	225	24	52	149		1,681	1,567	114	8,400	3
8	3,312			3	395	1,331	1,044	7	160	120	7,966	7,614	352	18,800	4
14	4,992					925	505	130	290		10,085	9,686	399	30,025	5
6	1,894			1	75	2,436	1,392	117	817	110	12,551	11,937	614	36,294	6
13	4,628					1,350	1,075	10	265		25,927	25,346	581	42,557	7
65	22,446	103	19,990	3	468	4,343	300	794	3,249		140,772	139,448	1,324	223,774	8
160	52,099	17	3,072	38	6,141	19,653	1,883	926	16,844		284,195	274,834	9,361	458,762	9
113	36,588			15	2,566	5,600	1,650	238	3,712		12,373	2,831	9,542	99,750	10
8	1,000					475	108	47	320		4,659	4,542	117	9,981	11

TABLE 8.—MANUFACTURES IN CITIES

YORK—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES AND CITIES AND BOROUGHS.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
12	Carpentering	3	$50,700	$1,100	$950	$5,650	$43,000	5			91	$30,312
13	Carpets, rag	5	29,600	4,200	1,150	5,350	18,900	6			37	10,746
14	Carriage and wagon materials	4	113,971	12,000	22,500	17,900	61,571	9	1	$208	99	36,669
15	Carriages and wagons	11	473,925	81,650	75,400	26,525	340,350	12	23	15,724	306	95,090
16	Clothing, men's, custom work and repairing.	22	108,429	13,600	15,250	3,827	75,752	26	2	875	115	34,394
17	Clothing, women's, dressmaking	4	4,010			1,010	3,000	4			19	3,090
18	Confectionery	20	178,253	33,710	38,909	65,905	39,729	21	15	24,757	293	58,373
19	Cooperage	4	12,375	3,500	4,600	775	3,500	4			8	2,412
20	Flouring and grist mill products	3	36,559	3,500	12,500	13,559	7,000	3	3	2,000	6	2,900
21	Foundry and machine shop products	11	2,544,619	316,500	274,400	551,056	1,402,663	20	62	63,030	1,591	661,779
22	Furniture, cabinetmaking, repairing, and upholstering.	6	17,775	5,800	4,400	825	6,750	8			9	4,000
23	Furniture, factory product	3	66,357	6,500	6,500	13,000	40,357	9	2	512	81	35,528
24	Iron and steel, nails and spikes, cut and wrought, including wire nails.	4	264,941	17,995	22,633	81,200	143,113	3	16	13,582	344	115,061
25	Lime and cement	6	34,050	10,500	3,850	7,000	12,700	8			29	9,469
26	Lock and gun smithing	4	8,575			1,600	1,975	4			3	1,102
27	Looking-glass and picture frames	3	18,150	600	1,500	1,350	14,700	3	4	2,600	18	6,828
28	Lumber, planing mill products, including sash, doors, and blinds.	6	420,060	88,500	47,600	59,300	224,660	13	3	2,250	281	115,625
29	Marble and stone work	3	17,200	600	100	4,700	11,800	5			25	15,224
30	Masonry, brick and stone	4	53,750	4,500	3,500	3,050	42,700	4			144	53,820
31	Millinery, custom work	11	69,050			5,750	63,300	15	35	8,575	52	14,946
32	Monuments and tombstones	3	5,005			725	4,280	3			5	2,320
33	Painting, house, sign, etc	12	37,135	2,050	1,700	3,455	29,930	13	4	1,944	84	33,681
34	Paper and wood pulp	3	154,358	5,000	28,000	76,905	44,453	7	4	3,176	50	30,862
35	Patent medicines and compounds	4	16,300	700	5,000	450	10,150	7	1	1,800	13	5,300
36	Photography	5	15,200			4,800	10,400	7			18	6,182
37	Plastering and stuccowork	4	2,900	350	200	550	1,800	5			23	7,607
38	Plumbing, and gas and steam fitting	19	82,270	9,400	11,550	9,175	52,145	21	2	964	71	34,520
39	Printing and publishing, book and job	11	39,040	2,700	3,200	21,400	11,740	12			14	6,195
40	Printing and publishing, newspapers and periodicals.	7	207,208	16,200	9,000	100,986	81,022	11	31	17,283	166	88,385
41	Saddlery and harness	8	20,175	1,400	4,000	1,475	13,300	9			21	8,250
42	Shirts	4	18,186			9,686	8,500	8	2	1,336	207	40,290
43	Tinsmithing, coppersmithing, and sheet-iron working.	11	29,925	2,200	850	8,825	28,050	10	1	300	24	10,032
44	Tobacco, cigars and cigarettes	48	644,097	24,050	46,200	84,180	539,667	56	23	56,270	1,131	324,539
45	Watch, clock, and jewelry repairing	13	53,532	13,600	20,200	4,425	15,307	14			8	2,210
46	All other industries[1]	54	2,946,891	212,881	575,224	924,669	1,234,117	64	110	175,932	1,515	538,762

[1] Embraces awnings, tents, and sails, 1; blacking, 1; bookbinding and blank book making, 2; boxes, fancy and paper, 1; boxes, wooden packing, 1; cars and general shop construction and repairs by steam railroad companies, 2; cleansing and polishing preparations, 1; clothing, men's, factory product, 1; clothing, women's, factory product, 1; dentists' materials, 1; dyeing and cleaning, 1; electrical apparatus and supplies, 1; electrical construction and repairs, 2; fertilizers, 1; files, 1; furnishing goods, men's, 1; gas, illuminating and heating, 1; hardware, saddlery, 1; hats and caps, not including fur hats and wool hats, 1; hosiery and knit goods, 1; ice, manufactured, 2; iron and steel, 1; ironwork, architectural and ornamental, 1; kaolin and other earth grinding, 1; liquors, malt, 2; malt, 1;

TABLE 9.—MANUFACTURES IN CITIES AND

1	Total for cities and boroughs	7,799	$236,490,999	$15,356,430	$36,683,294	$57,125,169	$127,326,106	8,678	6,195	$6,204,857	118,978	$51,553,695
2	Ashland	54	307,871	16,925	34,875	177,296	78,775	65	7	3,525	168	85,640
3	Athens	51	843,719	143,146	161,135	95,276	444,162	54	38	29,107	589	220,250
4	Bangor	73	804,517	55,650	61,250	206,301	481,316	81	70	44,700	944	348,687
5	Beaver Falls	119	6,367,196	339,305	1,300,458	1,778,327	2,949,106	110	134	161,828	2,231	1,022,075
6	Bellefonte	62	874,076	60,025	275,306	207,087	331,658	71	44	38,011	506	219,770
7	Berwick	33	2,446,463	86,775	441,050	569,287	1,349,351	28	53	61,882	1,335	730,505
8	Bethlehem	106	1,871,072	156,370	348,128	823,150	543,424	117	44	46,480	1,265	326,954
9	Birdsboro	26	1,095,356	21,925	203,480	329,025	540,926	30	24	47,226	861	335,450
10	Bloomsburg	65	2,093,473	134,750	509,587	608,313	840,823	69	66	63,090	1,029	328,385
11	Braddock	121	2,724,303	323,222	389,723	691,145	1,320,213	132	71	60,828	1,437	893,037
12	Bradford	149	2,674,380	132,453	283,887	860,663	1,397,427	183	101	97,397	1,965	1,031,949
13	Bridgeport	28	1,954,100	55,590	371,747	589,606	937,157	24	22	30,207	333	265,209
14	Bristol	72	3,616,181	81,545	189,551	1,288,827	2,056,258	72	57	67,902	2,027	751,033
15	Butler	129	1,696,396	154,175	285,422	532,314	724,485	159	40	47,686	1,003	505,468
16	Carbondale	92	1,618,034	89,445	378,492	350,108	804,989	103	71	69,552	1,138	387,528
17	Carlisle	109	1,125,635	95,265	172,442	254,185	603,793	129	82	92,894	1,385	415,986
18	Carnegie	53	465,830	62,546	66,150	120,375	216,759	55	14	15,678	381	231,519
19	Catasauqua	68	3,136,958	280,372	1,363,224	555,921	937,441	63	72	94,575	1,543	592,026
20	Chambersburg	107	853,037	85,556	91,780	263,297	412,404	124	35	25,425	793	283,676
21	Charleroi	62	2,395,002	186,044	725,285	778,141	755,532	65	66	79,673	1,270	671,371
22	Coatesville	70	4,772,487	112,543	906,308	878,757	2,874,879	73	113	95,805	1,854	840,322
23	Columbia	142	2,403,571	235,475	344,349	751,329	1,072,418	141	86	61,522	2,729	968,288
24	Connellsville	121	1,283,667	109,887	174,035	367,000	632,745	149	57	45,230	916	495,761
25	Conshohocken	55	3,957,818	205,350	542,275	1,105,919	2,104,274	53	129	178,180	1,951	896,797
26	Coraopolis	20	471,294	25,976	80,048	86,881	278,389	19	41	69,436	397	171,916

BY SPECIFIED INDUSTRIES: 1900—Continued.

YORK—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
90	$39,156			1	$156	$23,850	$650	$25	$2,300	$20,875	$52,565	$52,165	$400	$140,000	12
31	10,022			6	724	2,954	300	19	622	2,013	28,926	28,820	106	49,487	13
91	35,295			8	1,374	3,151		291	2,860		79,712	78,522	1,190	158,250	14
299	93,740	3	$625	4	725	19,125	1,215	2,077	1,833	14,000	261,437	259,213	2,224	467,494	15
57	22,481	53	11,531	5	432	6,003	3,400	316	2,212	75	58,009	57,096	913	125,747	16
		17	2,890	2	200	719	444		275		3,202	3,097	105	11,050	17
70	25,394	149	23,126	74	9,853	18,033	1,305	321	16,407		250,631	246,701	3,930	419,397	18
8	2,412					204		39	165		5,440	5,350	90	10,852	19
6	2,900					2,636	400	87	2,149		111,839	110,589	1,250	129,308	20
1,568	558,931			23	2,848	151,026	329	4,079	146,368	250	1,405,645	1,340,324	65,321	2,654,772	21
9	4,000					542	72	82	388		5,295	5,095	200	17,272	22
81	35,528					2,524	20	140	2,364		40,244	39,479	765	158,500	23
334	113,614	1	150	9	1,297	8,755	800	509	7,446		274,915	254,250	20,665	467,669	24
28	9,369			1	100	1,200		200	1,000		12,168	5,711	6,457	31,630	25
3	1,102					734	414	14	306		1,886	1,811	75	6,100	26
13	5,628	5	1,200			7,198	646	42	750	5,760	8,640	8,450	190	32,500	27
278	115,200			3	425	8,786		2,166	6,620		233,430	230,860	2,570	424,250	28
25	15,224					585	320	5	260		17,845	17,690	155	45,200	29
141	53,520			3	300	15,446		101	1,345	14,000	86,225	85,875	350	175,100	30
		49	14,435	3	510	9,422	5,940	41	3,441		79,737	78,798	939	145,000	31
5	2,320					574	424		150		4,515	4,470	45	11,100	32
78	32,871			6	810	1,942	1,532	41	369		27,190	26,785	405	87,304	33
49	30,706			1	156	8,090	2,250	110	5,730		103,661	93,246	10,415	183,725	34
8	4,500	5	800			6,696	686	30	5,980		25,352	25,262	90	53,294	35
9	4,102	9	2,080			8,230	1,569	18	1,273	370	10,110	9,925	185	28,000	36
19	7,050			4	557	207	102	5	100		4,736	4,666	70	17,290	37
68	33,980			3	540	2,968	1,507	132	1,329		76,278	75,517	761	162,687	38
12	5,870			2	325	1,370	948	79	343		8,949	8,327	622	27,675	39
76	33,570	2	292	38	4,523	14,365	1,561	318	11,754	732	37,587	35,412	2,175	136,920	40
21	8,250					2,250	1,272	63	915		16,037	15,702	335	34,703	41
8	5,556	185	34,266	14	468	1,210	883	15	312		90,831	89,668	1,163	165,832	42
24	10,032					2,475	1,185	88	1,202		17,576	17,234	342	44,640	43
618	205,372	470	114,248	43	4,919	191,237	3,175	740	187,322		510,026	507,792	2,234	1,190,155	44
7	2,110	1	100			1,914	1,137	202	400	175	6,314	5,772	542	18,293	45
971	413,523	432	106,288	112	18,951	230,973	7,634	4,761	203,612	14,966	1,442,402	1,385,848	56,554	2,794,750	46

mattresses and spring beds, 2; mineral and soda waters, 1; models and patterns, 1; musical instruments, organs and materials, 2; paper hanging, 1; paper hangings, 2; paving and paving materials, 2; pottery, terra cotta, and fire-clay products, 1; safes and vaults, 1; silk and silk goods, 2; soap and candles, 1; steam fittings and heating apparatus, 1; stereotyping and electrotyping, 1; tobacco, chewing, smoking, and snuff, 1; umbrellas and canes, 1; washing machines and clothes wringers, 1; wirework, including wire rope and cable, 2.

BOROUGHS UNDER 20,000 IN POPULATION: 1900.

96,991	$47,189,606	16,089	$3,526,426	5,893	$837,663	$18,273,118	$1,618,437	$555,249	$13,044,123	$3,055,309	$164,196,310	$152,307,365	$11,888,945	$286,754,008	1
156	82,582	11	2,914	1	144	9,779	2,617	776	6,386		132,909	128,551	4,358	274,765	2
517	210,828	48	6,423	24	2,999	54,356	12,280	826	36,413	4,837	618,956	606,767	12,189	1,012,183	3
810	327,062	101	17,975	33	3,650	110,955	61,399	1,017	48,539		552,647	529,839	22,808	1,230,350	4
1,951	964,939	174	38,253	106	18,883	303,189	9,464	10,275	283,450		3,780,051	3,657,751	122,300	6,245,501	5
459	209,364	45	10,242	2	164	46,781	10,632	1,173	34,376	550	652,436	560,480	91,956	1,175,668	6
1,292	721,244	35	8,162	8	1,099	111,067	2,040	3,095	101,845	4,087	2,808,813	2,720,499	82,314	4,372,953	7
631	207,310	439	93,607	195	21,037	240,028	14,443	4,054	122,944	98,587	995,368	974,546	20,822	1,832,219	8
759	312,729	58	15,568	44	7,153	58,240	15,095	2,836	40,309		1,321,574	999,662	321,912	2,026,928	9
635	250,986	308	63,892	86	13,507	106,093	8,615	3,183	44,256	50,039	978,508	960,711	17,797	1,732,559	10
1,374	877,892	37	10,247	26	4,898	875,170	16,632	4,061	462,227	392,250	3,111,916	3,045,666	66,250	5,643,152	11
1,821	985,255	120	38,148	24	8,546	224,962	17,977	5,001	175,084	26,900	2,011,858	1,938,070	73,788	4,101,339	12
402	174,970	333	76,847	98	13,392	66,292	2,484	3,140	60,668		1,358,235	1,343,050	15,185	1,821,585	13
1,135	502,412	664	208,844	228	39,777	332,920	25,478	2,012	303,409	2,021	2,577,508	2,510,090	67,418	4,008,248	14
905	482,462	64	15,593	34	7,413	144,796	8,630	15,040	75,990	45,136	749,216	686,737	62,479	1,877,419	15
735	326,722	210	40,211	193	20,595	100,701	18,939	10,383	76,379		572,101	554,405	17,696	1,384,662	16
858	315,855	495	97,079	32	8,052	83,436	12,583	2,630	62,553	5,670	1,249,456	1,234,789	14,667	2,131,239	17
358	225,875	18	4,994	5	650	67,192	6,914	7,220	27,269	25,789	434,660	415,196	19,464	909,890	18
1,181	527,471	208	42,343	154	22,212	190,598	2,769	11,558	135,045	41,226	1,660,319	1,380,471	279,848	3,197,297	19
600	245,233	165	34,218	28	4,225	62,527	10,829	1,574	34,724	15,400	633,952	623,475	10,477	1,127,423	20
1,011	615,070	48	11,612	211	44,689	278,069	2,133	12,150	229,086	34,700	700,669	614,034	86,635	1,871,505	21
1,674	808,961	128	20,951	52	10,410	219,305	7,809	7,981	150,285	53,280	3,752,864	3,528,226	224,638	6,356,079	22
1,728	797,399	729	185,410	272	35,479	160,051	13,661	4,726	78,943	62,721	2,837,765	2,724,630	113,135	4,729,477	23
831	477,737	65	14,222	20	3,802	50,844	12,616	2,159	28,909	6,660	1,449,338	1,418,301	31,037	2,380,137	24
1,525	773,299	359	113,724	67	9,774	219,482	49,846	7,248	162,001	387	2,303,063	2,200,637	102,426	4,454,230	25
295	141,380	77	23,036	25	7,500	35,336	2,165	341	26,000	6,830	305,093	286,834	18,259	731,840	26

TABLE 9.—MANUFACTURES IN CITIES AND

	Cities and boroughs.	Number of establishments.	Capital. Total.	Capital. Land.	Capital. Buildings.	Capital. Machinery, tools, and implements.	Capital. Cash and sundries.	Proprietors and firm members.	Salaried officials, clerks, etc. Number.	Salaried officials, clerks, etc. Salaries.	Average number of wage-earners and total wages. Total. Average number.	Average number of wage-earners and total wages. Total. Wages.
27	Corry	109	$830,727	$79,540	$164,457	$165,073	$421,657	112	36	$28,318	585	$255,129
28	Danville	92	2,836,268	112,179	302,306	1,110,576	1,311,207	107	74	75,998	2,414	855,806
29	Darby	45	1,363,579	59,715	196,708	570,823	536,833	54	24	28,259	744	270,921
30	Dubois	56	1,513,316	80,142	274,689	232,354	926,131	74	40	36,354	893	355,925
31	Dunmore	53	1,336,477	118,869	260,561	341,362	615,685	51	66	60,458	893	354,922
32	Duquesne	19	14,358,059	1,421,000	635,494	5,775,411	6,526,154	24	77	88,877	1,497	1,075,152
33	East Mauch Chunk	21	301,135	9,100	102,656	133,994	55,385	19	3	3,016	383	76,257
34	Ephrata	66	370,198	10,603	52,708	64,027	242,865	74	18	7,876	501	130,328
35	Etna	37	3,701,581	832,400	1,274,644	503,317	1,091,220	37	34	50,190	1,709	865,992
36	Franklin	120	4,523,916	186,600	276,601	354,463	3,706,252	156	156	271,365	758	354,318
37	Greencastle	26	48,526	3,670	7,630	8,665	28,561	29	1	100	61	19,476
38	Greenville	79	1,998,509	69,666	485,743	829,791	613,309	90	48	39,589	999	544,612
39	Hamburg	62	416,757	19,925	69,914	99,524	227,394	77	11	6,704	369	113,515
40	Hanover	85	766,387	29,437	102,270	212,023	422,657	113	38	20,513	849	262,207
41	Hawley	28	716,842	78,550	69,200	114,155	459,937	34	12	11,200	448	140,953
42	Hazelton	141	1,488,290	136,276	368,395	479,125	504,494	156	78	53,241	1,049	341,769
43	Hollidaysburg	38	167,649	22,100	22,775	23,155	99,619	41	11	7,051	197	77,736
44	Homestead	52	2,591,815	517,421	279,935	776,762	1,017,697	63	87	86,113	1,030	439,247
45	Honesdale	71	1,357,399	67,000	225,957	276,142	788,300	81	60	51,694	680	238,684
46	Huntingdon	68	1,062,520	79,200	224,600	325,282	433,438	75	31	23,320	550	208,583
47	Lansford	24	208,116	3,190	35,740	75,273	93,913	22	3	2,550	283	119,815
48	Lebanon	219	7,756,390	638,667	1,853,022	2,607,877	2,656,824	247	201	210,477	5,613	2,245,809
49	Lehighton	42	648,281	42,990	149,104	131,650	324,537	44	30	22,105	380	99,715
50	Lewisburg	36	389,487	13,410	54,840	115,635	205,602	40	11	7,564	260	82,927
51	Lewistown	64	1,011,949	84,650	205,980	209,690	511,629	69	22	21,337	503	223,705
52	McKees Rocks	34	14,990,471	604,550	917,753	1,009,228	12,458,940	32	220	90,188	2,055	1,206,476
53	Mahanoy City	99	607,059	32,950	276,346	148,271	149,492	112	31	20,488	474	131,582
54	Manheim	58	157,490	14,060	41,085	26,179	76,166	59	9	3,634	334	76,903
55	Marietta	37	849,538	24,950	143,560	126,736	554,292	33	30	24,760	674	210,151
56	Mauch Chunk	34	366,370	21,700	68,670	95,671	180,279	35	15	14,812	323	143,714
57	Meadville	135	1,415,783	62,450	255,650	562,069	535,584	151	97	74,532	1,445	648,020
58	Mechanicsburg	58	482,155	42,245	78,580	163,985	207,345	60	25	13,920	444	173,840
59	Media	40	235,997	31,720	66,250	59,076	78,951	44	5	4,410	170	75,309
60	Middletown	50	2,323,876	217,975	460,907	781,920	863,074	49	48	52,099	1,572	556,818
61	Millvale	37	319,149	45,775	80,725	116,217	76,432	38	20	18,862	119	70,609
62	Milton	60	1,950,893	91,360	265,795	580,997	1,012,741	69	57	58,398	1,421	534,674
63	Minersville	36	75,177	3,075	20,075	24,104	22,923	38	1	520	84	25,290
64	Monongahela	58	805,861	64,758	145,770	263,772	331,561	65	30	25,944	438	288,310
65	Nanticoke	73	328,414	27,876	89,103	121,553	89,882	83	12	6,166	207	73,161
66	New Brighton	68	2,903,449	145,241	422,929	1,218,592	1,116,687	77	90	119,447	1,482	500,589
67	New Haven	22	40,401	3,400	11,450	4,910	15,641	25	1	750	46	20,941
68	New Holland	23	76,843	3,900	22,000	16,084	34,859	27	4	3,782	81	23,894
69	Northumberland	16	238,768	7,350	46,796	15,274	169,348	18	13	6,196	267	74,940
70	Oil City	158	4,578,237	323,924	588,501	969,291	2,701,521	189	119	147,572	1,992	1,038,173
71	Orwigsburg	27	268,522	3,200	27,635	63,286	169,351	34	45	19,706	453	133,189
72	Pen Argyl	31	392,615	122,900	27,010	85,460	157,245	58	9	4,660	336	177,873
73	Phœnixville	92	6,482,025	634,180	1,077,277	2,314,024	2,456,544	94	128	134,272	2,556	1,099,719
74	Pittston	95	1,038,797	112,590	193,107	308,768	424,332	100	54	41,309	505	222,340
75	Plymouth	101	579,553	25,072	63,949	242,263	248,269	98	38	20,701	923	213,497
76	Pottstown	144	4,922,856	537,933	887,960	932,090	2,564,873	164	183	148,427	3,059	1,251,229
77	Pottsville	206	3,383,237	395,050	758,975	898,330	1,330,882	232	150	111,198	1,967	671,179
78	Rankin	12	4,962,354	386,659	384,560	1,768,984	2,422,151	8	73	62,535	1,622	983,367
79	Rochester	47	2,228,337	171,019	474,676	436,422	1,146,220	59	40	56,685	1,433	589,516
80	St. Clair	31	94,863	3,750	9,875	14,355	66,883	42	7	3,780	213	47,596
81	Sayre	46	1,341,905	31,627	570,937	349,401	389,940	52	64	47,908	1,261	591,238
82	Schuylkill Haven	53	545,701	47,997	88,300	205,656	203,748	59	15	7,873	702	259,499
83	Shamokin	143	971,130	88,750	141,516	210,671	530,193	164	50	39,807	1,068	313,057
84	Sharon	96	6,140,725	507,000	1,242,637	2,492,506	1,898,582	112	96	131,504	3,145	1,601,748
85	Sharpsburg	103	1,053,416	121,250	128,250	111,531	692,385	117	32	33,458	1,213	669,946
86	Sharpsville	21	3,657,100	92,838	804,286	220,265	2,539,711	22	37	42,002	912	531,309
87	Shippensburg	54	263,081	13,150	40,419	45,578	163,934	70	26	13,809	284	71,437
88	Slatington	54	756,751	46,775	73,775	194,346	441,855	61	43	29,827	926	362,384
89	South Bethlehem	127	8,713,185	126,745	707,745	1,161,995	6,716,700	126	281	342,142	5,544	2,390,100
90	South Williamsport	15	586,673	31,131	78,895	217,870	258,777	14	15	16,154	386	146,218
91	Spring City	47	509,362	45,200	94,800	99,689	269,673	46	20	19,708	432	198,685
92	Steelton	55	6,815,833	99,166	967,815	857,651	4,391,201	51	273	275,189	4,871	2,127,334
93	Stroudsburg	55	461,770	43,775	90,350	171,810	155,835	63	13	12,015	544	232,046
94	Summit Hill	14	34,078	1,375	3,935	2,658	26,110	16	------	------	29	11,105
95	Sunbury	76	2,101,602	139,894	353,119	580,335	1,028,254	76	30	55,518	1,140	441,531
96	Susquehanna	82	810,076	69,950	213,948	396,770	129,408	81	18	12,580	1,137	613,508
97	Tamaqua	64	917,124	37,415	260,350	319,276	250,083	65	28	24,635	564	229,728
98	Tarentum	55	2,192,747	216,806	547,150	880,313	548,478	58	59	81,620	1,420	628,233
99	Taylor	12	170,549	6,286	14,615	51,186	98,462	12	8	6,139	197	30,375
100	Titusville	113	2,550,452	121,516	398,740	739,743	1,290,453	127	67	92,408	1,204	522,749
101	Towanda	89	673,021	40,000	83,115	187,220	362,686	111	42	30,220	559	185,477
102	Turtle Creek	14	14,800	3,000	3,250	4,360	4,190	15	------	------	15	9,710
103	Tyrone	69	1,098,861	63,461	180,387	500,335	354,678	80	40	44,522	560	248,711
104	Uniontown	130	872,549	152,850	171,850	223,069	324,780	157	37	25,579	743	323,863
105	Warren	119	2,869,020	174,169	466,718	1,142,437	1,085,696	138	74	76,602	1,270	585,590
106	Washington	150	2,897,67[illegible]	185,577	504,828	853,626	1,353,645	174	119	130,468	2,206	1,052,616

BOROUGHS UNDER 20,000 IN POPULATION: 1900—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
524	$241,089	56	$12,926	5	$1,114	$65,053	$7,548	$3,928	$48,082	$5,500	$493,058	$481,785	$11,273	$1,061,464	27
1,968	798,944	209	35,808	237	20,554	227,030	8,715	7,932	208,983	1,400	2,759,707	2,489,451	270,256	4,317,776	28
287	144,369	293	93,237	164	33,315	78,366	5,043	3,290	64,490	5,543	570,333	559,043	11,290	1,152,278	29
846	345,917	35	7,358	12	2,650	89,756	5,709	6,304	76,743	----------	1,229,312	1,216,279	13,033	1,926,391	30
711	322,350	138	25,918	44	6,654	180,467	11,532	3,647	141,788	23,500	662,486	649,592	12,894	1,472,675	31
1,493	1,074,348	----------	----------	4	804	435,881	1,678	34,637	399,566	----------	14,611,842	13,167,490	1,444,352	20,365,667	32
177	45,514	167	26,370	39	4,373	66,965	1,088	597	22,644	42,636	478,844	473,936	4,908	655,394	33
219	75,008	232	49,488	50	5,827	65,227	2,886	759	51,380	10,202	308,958	300,016	8,942	634,359	34
1,651	851,507	8	3,015	50	11,470	64,848	1,263	12,635	50,780	170	2,515,585	2,007,678	507,907	5,655,269	35
685	338,455	62	14,033	11	1,330	1,506,361	10,928	4,997	1,489,186	1,250	1,826,916	1,790,014	36,902	6,046,218	36
39	15,473	17	3,355	5	648	3,989	1,302	123	2,514	50	49,673	48,837	836	94,622	37
916	528,502	70	14,192	13	1,918	65,003	4,775	2,703	37,825	19,700	1,116,066	1,058,722	57,344	1,900,471	38
242	90,391	94	20,674	33	2,450	20,950	3,125	1,041	13,159	3,625	383,291	375,596	7,695	627,209	39
524	203,257	309	56,267	16	2,743	78,399	4,971	1,348	72,080	----------	557,542	540,304	17,238	1,153,492	40
288	112,206	88	18,756	72	9,991	21,825	1,234	1,737	8,404	10,450	587,627	574,638	12,989	809,724	41
557	270,206	396	60,472	96	11,091	166,935	18,513	5,353	123,148	19,921	520,222	511,128	9,094	1,478,503	42
183	75,236	12	2,300	2	200	8,931	1,691	592	6,648	----------	190,979	175,982	14,997	332,022	43
1,006	433,265	16	4,154	8	1,828	59,737	16,180	2,412	41,145	----------	725,729	701,675	24,054	1,444,245	44
350	161,414	270	69,865	60	7,405	90,242	6,299	2,753	59,190	22,000	714,659	704,332	10,327	1,235,425	45
367	165,255	171	41,916	12	1,412	82,972	8,349	2,624	71,999	----------	547,414	530,897	16,517	971,674	46
270	117,215	9	1,956	4	644	3,728	1,511	1,515	702	----------	200,274	197,795	2,479	348,517	47
4,554	1,958,687	846	249,744	213	37,378	350,716	18,082	17,411	312,281	2,942	6,512,892	5,612,045	900,247	10,167,455	48
208	79,021	135	17,707	37	2,987	38,955	4,595	1,988	23,285	9,087	414,945	408,240	6,705	691,705	49
188	68,923	72	14,004	----------	----------	11,286	2,417	997	7,872	----------	310,212	304,603	5,609	469,221	50
523	214,619	31	7,846	9	1,240	41,760	5,036	1,587	24,772	10,365	562,710	542,013	20,697	984,234	51
2,010	1,197,355	2	500	43	8,621	539,720	2,266	5,759	129,695	402,000	2,517,940	2,384,586	133,354	4,288,935	52
270	99,630	180	28,998	24	2,954	119,879	7,416	3,930	108,533	----------	230,275	223,183	7,092	648,645	53
138	42,742	179	31,749	17	2,412	36,158	1,299	316	33,541	1,002	273,015	270,237	2,778	450,698	54
492	173,922	153	33,670	29	2,559	33,986	3,184	897	24,563	5,342	651,529	524,012	127,517	1,125,701	55
294	138,048	28	5,546	1	120	22,802	3,889	1,668	16,445	800	251,282	247,594	3,688	506,252	56
1,250	603,944	194	43,926	1	150	77,057	13,616	1,748	54,481	7,212	1,099,379	1,075,688	23,691	2,159,110	57
358	161,147	71	11,039	15	1,654	22,811	3,160	1,217	18,434	----------	313,820	303,811	10,009	636,083	58
162	73,709	8	1,600	----------	----------	27,418	4,050	1,252	12,416	9,700	87,575	85,296	2,279	279,436	59
1,372	516,625	129	29,533	71	10,660	52,608	3,709	3,424	44,914	561	3,209,223	3,212,432	56,791	5,198,286	60
115	69,967	2	336	2	306	80,649	3,042	2,130	74,477	1,000	174,499	166,686	7,813	466,389	61
1,223	494,917	154	35,446	39	4,311	86,020	7,148	3,520	75,352	----------	1,885,416	1,820,144	65,272	2,912,209	62
35	16,341	46	8,583	3	366	11,821	1,826	224	8,471	1,300	87,705	86,729	976	167,798	63
414	282,864	17	4,320	7	1,126	56,285	4,485	2,270	38,920	10,610	337,720	315,869	21,851	811,155	64
114	61,168	42	6,742	51	5,251	47,646	4,824	857	41,830	135	194,244	190,621	3,623	399,678	65
1,207	539,837	200	40,096	75	10,656	108,677	6,137	5,946	94,047	2,547	1,003,463	956,329	47,134	2,195,552	66
39	19,441	7	1,500	----------	----------	2,203	1,211	320	672	----------	44,473	43,329	644	90,002	67
51	18,232	26	5,531	4	131	36,196	653	125	4,768	30,650	78,425	77,230	1,195	165,687	68
186	53,109	122	21,112	9	719	6,766	378	828	5,560	----------	224,827	218,422	6,405	360,928	69
1,872	1,007,906	117	29,817	3	450	161,228	20,559	9,736	128,933	2,000	4,742,848	4,642,547	100,301	6,710,886	70
248	89,226	177	41,206	28	2,757	15,625	1,563	394	13,668	----------	406,423	404,231	2,192	648,223	71
238	149,613	103	28,260	----------	----------	46,457	40,828	1,220	4,909	----------	219,184	211,823	7,361	537,322	72
2,168	1,018,451	258	66,771	130	14,497	232,963	10,278	7,779	214,906	----------	3,202,965	3,028,984	173,981	4,992,772	73
390	199,216	104	21,565	11	1,559	93,636	12,288	2,988	62,210	21,200	722,800	714,503	8,297	1,261,500	74
276	119,741	418	73,427	229	20,329	95,935	9,058	1,367	81,010	4,500	362,488	356,041	6,447	803,728	75
2,421	1,142,666	459	85,232	179	23,331	336,985	214,608	7,174	163,398	1,805	5,263,759	4,970,052	293,707	8,111,486	76
1,303	571,700	534	85,869	130	13,610	333,317	29,653	8,636	312,531	32,497	3,626,129	3,594,919	31,210	5,354,633	77
1,574	978,963	----------	----------	48	9,904	716,589	634	14,128	701,827	----------	5,437,357	4,992,790	444,567	8,607,680	78
927	501,770	206	61,847	300	25,899	104,262	2,412	3,464	98,386	----------	470,450	384,832	85,618	1,440,567	79
25	10,600	170	34,554	18	2,352	2,225	330	135	1,260	----------	57,678	56,710	968	146,277	80
1,192	579,243	60	9,373	9	2,622	40,754	1,717	8,412	28,625	2,000	1,170,326	1,148,685	21,641	1,945,797	81
413	193,372	270	63,418	19	2,209	15,605	2,012	822	12,771	----------	1,105,426	1,094,883	10,543	1,497,484	82
503	212,976	480	91,741	85	8,340	130,080	20,769	1,575	29,252	78,484	905,421	896,496	8,925	1,656,606	83
3,078	1,536,957	50	12,280	17	2,511	470,574	9,209	19,134	411,839	30,392	6,751,895	6,148,550	603,345	9,865,039	84
1,036	644,207	15	3,982	112	21,757	81,674	15,856	3,986	31,028	30,804	1,854,014	1,732,013	122,001	2,950,668	85
910	531,019	1	250	1	40	229,576	493	7,421	221,662	----------	4,220,305	2,985,068	1,235,237	6,238,801	86
175	56,637	107	14,619	2	181	17,233	2,412	532	8,921	5,368	186,898	184,101	2,792	391,727	87
730	336,341	65	13,418	81	12,625	49,291	25,942	1,159	20,628	1,562	321,121	290,343	30,778	947,737	88
4,328	2,254,478	474	94,976	242	40,646	931,898	463,292	28,195	388,327	52,084	5,301,034	4,504,631	796,403	10,964,911	89
338	141,006	2	240	46	4,972	41,671	827	2,289	38,529	26	342,755	326,895	15,860	629,446	90
260	141,254	178	44,600	49	12,831	19,573	2,859	1,568	15,146	----------	280,290	261,084	19,206	655,974	91
4,756	2,103,948	92	20,613	23	2,778	941,119	13,062	24,159	884,950	18,948	10,006,789	8,714,704	1,292,085	14,204,954	92
451	211,291	43	12,110	50	8,645	25,142	7,111	1,368	16,663	----------	589,797	582,063	7,734	959,845	93
25	10,620	3	425	1	60	745	498	60	187	----------	27,342	27,081	261	51,323	94
367	390,030	222	45,527	51	5,974	177,578	6,005	6,047	63,723	101,803	1,360,184	1,347,955	12,229	2,254,609	95
1,159	606,394	17	5,155	11	1,959	18,938	5,300	3,604	7,534	2,500	685,438	674,079	11,359	1,416,927	96
419	204,984	117	20,288	28	4,456	87,826	5,073	3,202	56,859	22,692	388,937	379,482	9,455	847,964	97
1,197	589,270	85	21,489	138	17,474	254,885	2,038	7,021	224,776	21,050	755,942	649,491	106,451	1,980,947	98
14	7,584	145	19,418	38	3,373	29,742	1,980	111	2,619	25,032	95,113	93,798	1,315	166,438	99
1,104	505,926	92	15,978	8	845	216,767	13,627	7,080	143,010	53,050	1,657,275	1,586,535	70,740	2,995,292	100
435	162,095	96	19,403	28	3,979	35,655	10,932	1,260	23,282	231	358,155	351,864	6,291	732,433	101
15	9,710	----------	----------	----------	----------	1,434	1,252	78	104	----------	21,825	21,559	266	45,078	102
459	223,666	86	18,529	15	1,516	62,286	9,431	3,657	49,048	150	670,868	624,732	46,136	1,305,899	103
650	301,939	68	15,609	30	6,265	90,467	11,642	3,764	74,161	900	632,238	613,939	18,299	1,348,936	104
1,131	560,629	84	24,185	5	776	350,190	13,774	8,041	294,875	33,500	2,357,681	2,277,945	79,736	4,152,859	105
1,891	987,815	189	42,448	126	22,853	461,068	18,384	4,647	224,629	213,408	2,303,113	2,164,165	138,948	4,667,330	106

TABLE 9.—MANUFACTURES IN CITIES AND

	Cities and boroughs.	Number of establishments.	Capital.					Proprietors and firm members.	Salaried officials, clerks, etc.		Average number of wage-earners and total wages.	
			Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.		Number.	Salaries.	Total.	
											Average number.	Wages.
107	Watsontown	21	$257,571	$12,250	$45,360	$59,678	$140,283	20	38	$23,588	$280	$91,661
108	Waynesboro	61	3,984,774	60,125	271,665	310,535	3,342,449	61	97	98,069	1,103	507,628
109	West Bethlehem	17	143,990	14,425	36,630	27,020	65,915	22	6	4,000	69	29,214
110	West Chester	112	1,244,188	136,200	222,481	340,007	545,500	127	69	50,783	740	351,087
111	West Pittston	35	567,287	22,500	106,887	195,955	241,945	36	31	47,048	299	123,238
112	Wilkinsburg	181	1,049,083	181,370	122,420	68,396	726,897	159	15	6,048	655	464,107
113	Wilmerding	10	19,546,553	311,300	2,226,500	653,656	16,355,097	9	109	241,595	2,015	1,353,869
114	Wrightsville	34	462,672	22,250	126,746	87,585	226,091	38	30	15,673	427	138,735

BOROUGHS UNDER 20,000 IN POPULATION: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
259	$87,142	16	$3,909	5	$600	$11,747	$1,154	$728	$9,865	----------	$298,200	$293,628	$4,572	$459,670	107
1,086	504,872	14	2,311	3	445	265,093	5,604	5,099	211,050	$43,340	1,072,213	1,055,728	16,485	2,731,059	108
62	28,064	7	1,150	----------	----------	19,928	424	516	3,488	15,500	174,573	172,320	2,253	276,939	109
695	342,332	35	7,062	10	1,693	164,169	10,106	3,423	64,990	85,650	459,559	445,761	13,798	1,378,362	110
206	107,214	86	15,247	7	777	127,444	3,857	1,344	117,898	4,845	242,780	238,457	4,273	621,996	111
623	455,447	31	8,480	1	180	644,594	12,643	1,868	19,165	610,918	897,931	895,769	2,162	2,295,846	112
1,997	1,348,984	14	3,873	4	1,012	636,488	880	51,823	584,185	100	2,592,726	2,546,018	46,708	9,171,384	113
336	118,052	74	14,669	17	1,014	31,909	5,758	935	24,521	700	470,759	345,305	125,454	781,452	114

RHODE ISLAND.

Table 1 shows the manufacturing and mechanical industries of the state of Rhode Island as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

	DATE OF CENSUS.						PER CENT OF INCREASE.				
	1900	1890	1880	1870	1860	1850	1890 to 1900	1880 to 1890	1870 to 1880	1860 to 1870	1850 to 1860
Number of establishments	4,189	3,377	2,205	1,850	1,191	864	24.0	53.2	19.2	55.3	37.8
Capital	$183,784,587	$126,483,401	$75,575,943	$66,557,322	$24,278,295	$12,935,676	45.3	67.4	13.6	174.1	87.7
Salaried officials, clerks, etc., number	4,433	[1] 4,865	(2)	(2)	(2)	(2)	[3] 8.9				
Salaries	$5,552,189	[1] $4,688,608					18.4				
Wage-earners, average number	98,813	81,111	62,878	49,417	32,490	20,967	21.8	29.0	27.2	52.1	55.0
Total wages	$41,114,084	$33,239,313	$21,355,619	$19,354,256	$8,760,125	$5,047,080	23.7	55.6	10.3	120.9	73.6
Men, 16 years and over	64,508	49,684	37,060	28,804	20,795	12,923	29.8	34.1	28.7	38.5	60.9
Wages	$31,295,442	$24,915,189	(2)	(2)	(2)	(2)	25.6				
Women, 16 years and over	29,269	25,602	18,270	14,752	11,695	8,044	14.3	40.1	23.8	26.1	45.4
Wages	$8,909,010	$7,397,979	(2)	(2)	(2)	(2)	20.4				
Children, under 16 years	5,036	5,825	7,548	5,861	(2)	(2)	[3] 13.5	[3] 22.8	28.8		
Wages	$909,632	$926,145	(2)	(2)	(2)	(2)	[3] 1.8				
Miscellaneous expenses	$12,199,283	$8,825,407	(4)	(4)	(4)	(4)	38.2				
Cost of materials used	$96,392,661	$76,253,023	$58,103,443	$73,154,109	$19,858,515	$13,186,703	26.4	31.2	[3] 20.6	268.4	50.6
Value of products, including custom work and repairing	$184,074,378	$142,500,625	$104,163,621	$111,418,354	$40,711,296	$22,117,688	29.2	36.8	[3] 6.5	173.7	84.1
Total population	428,556	345,506	276,531	217,353	174,620	147,545	24.0	24.9	27.2	24.5	18.4
Wage-earners engaged in manufactures	98,813	81,111	62,878	49,417	32,490	20,967	21.8	29.0	27.2	52.1	55.0
Per cent of total population	23.1	23.5	22.7	22.7	18.6	14.2					
Assessed value of real estate	[5] $320,318,384	$243,031,296	$188,224,459	$132,876,581	$83,778,204	$54,358,231	31.8	29.1	41.7	58.6	54.1
Value of land and buildings invested in manufactures [6]	$44,180,729	$28,274,887	(2)	(2)	(2)	(2)	56.3				
Per cent of assessed value	13.8	11.6									

[1] Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)
[2] Not reported separately.
[3] Decrease.
[4] Not reported.
[5] As given in Rhode Island Manual for 1900, page 288.
[6] Does not include value of rented property.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for governmental establishments and establishments with a product of less than $500, neither of which were reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	COST OF MATERIALS USED.				Value of products, including custom work and repairing.
				Average number.	Total wages.		Total.	Purchased in raw state.	Purchased in partially manufactured form.	Fuel, freight, etc.	
Total	4,558	$183,972,888	4,924	98,881	$41,139,729	$12,214,589	$96,447,570	$27,442,804	$65,281,796	$3,722,970	$184,223,066
Hand trades [1]	2,103	5,351,529	2,316	9,457	4,545,446	968,842	7,201,378	48,867	7,026,053	126,458	15,921,113
Governmental establishment	1	36,764		29	16,963	800	23,353		20,560	2,793	46,741
Establishments with a product of less than $500	368	151,532	388	89	8,682	14,506	31,556	2,897	26,749	1,910	101,947
All other establishments	2,086	178,433,058	2,220	89,356	36,568,638	11,230,441	89,191,288	27,391,040	58,208,484	3,591,814	168,153,265

[1] Includes bicycle and tricycle repairing, 84; blacksmithing and wheelwrighting, 302; boots and shoes, custom work and repairing, 264; carpentering, 238; clothing, men's, custom work and repairing, 189; clothing, women's, dressmaking, 228; dyeing and cleaning, 15; furniture, cabinetmaking, repairing, and upholstering, 62; lock and gun smithing, 21; masonry, brick and stone, 84; millinery, custom work, 148; painting, house, sign, etc., 214; paper hanging, 10; plastering and stuccowork, 6; plumbing, and gas and steam fitting, 144; sewing machine repairing, 1; taxidermy, 2; typewriter repairing, 2; watch, clock, and jewelry repairing, 94.

In addition to the 4,558 active establishments in the state during the census year, with a capital of $183,972,883, shown in Table 2, there were 13 idle establishments, with a capital of $605,565. Of the 4,558 establishments of all classes, 2,471, or 54.2 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments consists principally of the sums received for custom work and repairing, and amounted to $16,023,060, or only 8.7 per cent of the total value of the products for the state.

Comparative statistics for the 9 leading industries in Rhode Island are presented in Table 3.

TABLE 3.—COMPARATIVE SUMMARY OF NINE LEADING INDUSTRIES.

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for selected industries for state	1900	667	$134,550,529	68,945	$27,395,116	$8,074,233	$65,004,507	$120,746,652
	1890	555	93,459,639	60,424	23,121,132	5,767,582	54,267,290	97,509,037
Increase, 1890 to 1900		112	41,090,890	8,521	4,273,984	2,306,651	10,737,217	23,237,615
Per cent of increase		20.2	44.0	14.1	18.5	40.0	19.8	23.8
Per cent of total of all industries in state	1900	15.9	73.2	67.5	66.6	66.2	67.4	65.6
	1890	16.4	73.9	74.6	69.6	65.4	71.2	68.4
Flouring and grist mill products	1900	47	532,211	80	37,678	22,292	1,628,852	1,895,921
	1890	81	391,102	98	48,697	24,012	1,168,188	1,349,843
Foundry and machine shop products	1900	149	16,403,935	8,799	4,688,507	933,616	5,417,891	13,269,086
	1890	101	11,377,475	6,876	3,813,290	525,136	3,752,455	10,170,286
Gold and silver, reducing and refining, not from the ore	1900	10	505,957	70	43,884	26,625	3,138,355	3,484,454
	1890	10	800,425	70	48,796	19,370	1,162,168	1,419,553
Jewelry	1900	214	8,899,702	7,162	3,170,932	668,245	6,206,699	13,320,620
	1890	179	6,095,971	4,092	2,110,529	337,451	3,301,814	8,011,067
Liquors, malt	1900	6	3,338,276	296	223,712	859,619	453,406	1,880,171
	1890	3	287,500	82	50,900	102,376	187,500	436,846
Rubber and elastic goods	1900	9	1,631,369	1,039	359,244	200,011	1,659,676	2,518,268
	1890	4	358,764	438	161,566	63,661	359,668	629,000
Silverware	1900	8	5,127,714	1,540	978,198	105,514	1,687,883	3,834,408
	1890	4	3,002,232	969	687,035	367,389	1,045,860	2,509,869
Slaughtering and meat packing, wholesale	1900	6	727,850	199	102,424	43,794	2,164,400	2,410,466
	1890	10	753,100	242	135,329	45,149	4,213,329	4,627,366
Textiles:								
Total	1900	218	97,383,015	49,760	17,840,537	5,214,517	42,647,345	78,133,258
	1890	213	70,893,070	47,557	16,064,990	4,283,038	39,076,308	68,355,207
Cotton goods (including cotton small wares)	1900	87	40,150,824	24,032	8,038,007	1,736,590	11,697,461	26,485,675
	1890	94	38,798,161	24,576	7,814,767	1,871,057	14,347,672	27,310,499
Dyeing and finishing textiles	1900	24	12,853,123	5,942	2,474,042	1,138,065	3,087,781	8,484,878
	1890	22	5,739,692	3,619	1,462,996	393,549	1,819,351	4,743,561
Hosiery and knit goods	1900	15	2,452,044	1,594	469,193	90,900	1,766,831	2,713,850
	1890	16	1,728,618	1,504	453,679	110,720	1,618,621	2,516,664
Shoddy	1900	9	228,930	131	56,397	23,828	399,126	515,643
	1890	10	194,250	132	51,516	22,278	1,165,235	1,350,792
Silk and silk goods	1900	6	680,252	455	166,675	103,454	818,501	1,311,333
	1890	3	122,256	186	58,471	17,427	149,768	229,062
Woolen goods	1900	26	6,068,078	2,710	1,104,054	287,695	3,386,993	5,330,550
	1890	40	9,360,927	5,912	2,161,632	530,585	6,042,754	9,884,945
Worsted goods	1900	51	34,949,769	14,896	5,537,169	1,833,985	21,490,592	33,341,329
	1890	28	14,949,166	11,628	4,066,929	1,337,472	13,932,912	22,319,684

Table 1 reveals the steady growth of the manufacturing industries of Rhode Island during the half century and demonstrates the preeminent position of the state as a center of productive industry. The percentage of increase in the number of manufacturing establishments has been double the percentage of increase in population. Equally striking has been the increase in the amount of capital invested, in the value of manufactured products, in the average number of wage-earners, and in the amount of wages paid.

The total population of the state in 1850 was 147,545, and in 1900, 428,556, an increase in the fifty years of 281,011, or 190.5 per cent. The average number of wage-earners employed in manufacturing establishments has increased from 20,967 in 1850 to 98,813 in 1900, an increase of 371.3 per cent in the fifty years, and embraced, in the latter year, 23.1 per cent of the entire population. The greatest number of persons so employed at any one time during the year was 116,169, or 27.1 per cent of the total population, and this percentage is a more accurate indication of the proportion so employed. It is doubtful whether so large a share of the material wealth and resources of any other commonwealth can be attributed to the enterprise and skill of its citizens in the enlargement and extension of old established industries and the development of new forms of productive industry.

The period of greatest increase during the half century covered by Table 1 was that between 1860 and 1870. The increase between 1890 and 1900 has not been as marked as in some previous decades, but it has been sufficiently notable to demonstrate that Rhode Island is advancing under the modern methods of manufacture quite as rapidly as other states.

The factors that have contributed to this growth are

limited; it must be attributed to the early and successful establishment of the factory system, particularly in the cotton manufacture; to the natural tendency of one industry to stimulate the introduction of other industries; to the abundance of capital; and to the enterprise and skill of the citizens. Rhode Island possesses no natural resources which have materially aided in its development. There is but one railway system of any importance connecting the manufacturing centers of the state with the outside world, thus eliminating the advantages of competition in railroad freight rates. The state has a natural outlet by water in Providence River and Narragansett Bay, making one of the finest harbors on the New England coast, but the lack of proper dockage in Providence Harbor, the natural port for the outlet of the state's products, combined with a too shallow depth of water for ocean traffic, has deprived the manufacturers of any great benefit from geographical location. The coal and raw materials for the factories are transported long distances, and this fact renders more notable the preeminence of the state in certain of the finer products of iron and steel, such as textile and other mill machinery, machine tools, screws, etc.

While the manufactures of Rhode Island are widely diversified, there are particular branches in which the state has won a world-wide reputation. The fineness of its textiles, the wealth and beauty of its manufactures of gold and silver, the products of foundries and machine shops, the accuracy of its fine tools, in use in every quarter of the globe, the reputation its steam engines have acquired in manufacturing circles, and its enormous output of rubber boots and shoes, all combine to preserve and extend this reputation.

The history of the factory system in Rhode Island began in April, 1790, when a copartnership was established in Pawtucket for carrying on the spinning of cotton.[1] Samuel Slater, one of the partners, constructed a complete series of machines on which was made the first cotton thread spun by water power in the United States. Cotton spinning mills increased rapidly during the next twenty-five years, until in 1815 there were 140,000 spindles in use within a radius of 30 miles of Providence. The first calico printed in the United States was produced about 1794 in East Greenwich, and a large variety of the finer fabrics of cotton are now manufactured in the state. During the last decade, however, the number of cotton spindles in the state has slightly decreased. In 1890 there were 1,924,486 spindles as against 1,920,522 in 1900, a decrease of 3,964. Ranked according to the number of spindles employed, Rhode Island has held the second place in the cotton manufacture from the beginning of the industry in this country, Massachusetts standing first.[2] As shown in Table 3, the products of the cotton mills of the state amounted to $26,435,675 in 1900, as against a value of $27,310,499 in 1890. A large proportion of the cotton goods produced in Rhode Island is finished in dyeing and finishing mills, the product of which, being the value added to the goods by the final processes, has increased from $4,743,561 in 1890 to $8,484,878 in 1900, or nearly 78.9 per cent. The production of print cloths in the state increased from 76,634,732 yards, valued at $3,588,671 in 1890 to 99,272,574 yards, valued at $4,354,811 in 1900, and of fancy woven fabrics from 20,363,202 yards, valued at $2,004,668 to 21,554,243 yards, valued at $1,997,352. The manufacture of ginghams, of which 4,666,144 yards, valued at $418,789, were made in 1890, has been discontinued in the state, and the production of twills and sateens has remained about stationary. Corduroy, cotton velvets, plushes, and mosquito nettings, none of which were made in 1890, have now reached a production valued at nearly a million dollars.

The first attempt in Rhode Island to manufacture woolen goods by the factory system was made in 1804 at Peacedale, South Kingstown. In 1810 the number of mills was 12.[3] The first power loom to be employed in the United States in the production of woolen goods was installed at Peacedale in 1814.[4] The industry has steadily developed. For many decades Rhode Island ranked fifth among wool manufacturing states, advancing to third place in 1890, a position still retained. Several of the largest and most perfectly equipped worsted mills in the country are located within its borders.

The statistics of the industry indicate the continued rapid decrease of the production of woolen goods as distinguished from worsted goods, and an enormous increase in the production of the latter variety of wool fabrics. While the number of sets of woolen cards in the state has decreased from 572 in 1890 to 551 in 1900, the number of worsted combing machines in operation has increased from 195 to 290, and the number of worsted spindles from 144,271 to 316,820. The production of woolen, worsted, and cotton warp fabrics has increased from 37,409,898 square yards in 1890, valued at $25,827,738 to 50,168,111 square yards in 1900, valued at $28,146,346.

Table 3 shows that the textile industries are by far the most important in the state. The 218 establishments reported for these industries gave employment to 49,760 persons, or 50.4 per cent of the wage-earners in the entire state, and the value of the product was $78,133,258, or 42.4 per cent of the total value of all the products of the state. During the decade there was a net increase of 5 in the number of establishments engaged in the textile industries, while the capital increased $26,489,945, or 37.4 per cent. The number of wage-earners increased 2,203, or 4.6 per cent, and the wages paid increased $1,775,547, or 11.1 per cent, while the increase in product was $9,778,051, or 14.3 per cent. Under the head of textiles, worsted goods stand first in value of products, amounting to $33,341,329 for the year 1900; the value of cotton goods produced in

[1] The New England States, edited by W. T. Davis, Vol. IV, pages 2533 and 2534.

[2] Eleventh Census Report on Manufacturing Industries of the United States, Part III, Selected Industries, page 171.

[3] The New England States, Vol. I, page 203, and Vol. IV, page 2534.

[4] The Providence Plantations for 250 Years, edited by W. A. Greene, page 243.

1900 being $26,435,675, while the remainder of textile products, amounting to $18,356,254, consisted of woolen goods, hosiery, knit goods, etc.

Rhode Island, and especially the city of Providence, has long been prominent in the manufacture of jewelry,[1] which, next to the textiles, is the most important industry in the state. All varieties and grades of jewelry are produced. The industry dates back to the Revolution, but it was the ingenuity of a Providence goldsmith in 1794 which firmly established it in that city. While manufacturers in Newark and New York city were turning out products of pure gold and silver, wrought by hand, Nehemiah Dodge invented a process for "filling" the gold with cheaper materials, and at about the same time applied machinery to the manufacture. The process by which this much cheaper product was obtained soon became known to other manufacturers in the city and was carried across the state line to Attleboro, Mass., a town which now rivals Providence in this industry. The reputation of Providence in this branch of manufactures attracted a skilled workman in the precious metals from Birmingham, England, in 1846, one Thomas H. Lowe, who improved the filling process, thus further reducing the cost of manufacture. In the year 1812 the jewelry manufactures of the city of Providence were valued at $100,000. In 1856 the product amounted to $2,696,000, while in the present census there are 214 establishments engaged in this industry, with a capital of $8,899,702 and giving employment to 7,162 wage-earners, having a product valued at $13,320,620. During the decade from 1890 to 1900 the capital employed in the industry increased from $6,095,971 to $8,899,702, or 46 per cent; the product from $8,011,067 to $13,320,620, or 66.3 per cent; and wages from $2,110,529 to $3,170,932, or 50.2 per cent. In the census of 1890 it appears that one-fifth of the product of the jewelry industry of the country was manufactured in the city of Providence. The cities next in importance were New York, Newark, and Philadelphia, but nearly as many employees were reported for Providence as for those three cities combined.

Allied to the jewelry manufacture is the manufacture of silverware. It was an apprentice of the founder of the jewelry industry who began the manufacture of silverware in Providence and founded what is now one of the largest establishments in this line of manufacture in the world. The census of 1890 shows that at that time nearly one-half of the silverware manufacturing of the United States was carried on in Rhode Island. There were 8 establishments in the state engaged in this industry in 1900, all located in Providence, with a capital of $5,127,714, an increase over 1890 of $2,125,482, or 70.8 per cent. These establishments give employment to 1,540 wage-earners, to whom $978,198 was paid in wages, and their product was valued at $3,834,408, an increase of $1,324,539 since 1890, or 52.8 per cent.

The refining of gold and silver sweepings is closely dependent upon the two industries just described. Until 1850 the material used in this industry was allowed to go to waste. There are 10 establishments in the state engaged in this industry, all located in Providence, with an invested capital of $505,957, and a product valued at $3,484,454.

The demand for machinery in the textile and jewelry factories of Rhode Island early stimulated the manufacture of machinery, an industry third in importance in the state. During the decade from 1890 to 1900 the capital invested in the foundries and machine shops increased from $11,377,475 to $16,403,935, or 44.2 per cent; the number of wage-earners, from 6,876 to 8,799, or 28 per cent; the total amount of wages, from $3,813,290 to $4,638,507, or 21.6 per cent; and the value of products, from $10,170,286 to $13,269,086, or 30.5 per cent. Included in this classification is the manufacture of engines and boilers, a specialty for which Providence has a world-wide reputation and in which its preeminence is partly due to the early application of steam to manufacturing in this state. In 1812 and 1814 several factories were equipped with engines brought from Philadelphia, but the great expense of transportation and the increasing demand induced local mechanics to embark in this manufacture, with the result that the first engine shop in the state was erected in 1826.[2]

In 1839 the manufacture of files was begun in Providence, but it was to the invention by a local mechanic in 1864 of machinery for this manufacture that the present importance of this industry in the city is due.[3] The product of the industry in 1900 amounted to $1,033,838.

The manufacture of rubber and elastic goods has also attained great importance, showing increases during the last decade as follows: Capital, from $358,764 to $1,631,869, or 354.9 per cent; average number of wage-earners, from 438 to 1,039, or 137.2 per cent; wages from $161,566 to $359,244, or 122.4 per cent; and products, from $629,000 to $2,518,268, or 300.4 per cent.

There were 6 establishments engaged in wholesale slaughtering and meat packing in 1900, with 199 wage-earners, and products valued at $2,410,466. In 1890 there were 10 establishments, 242 wage-earners, and products valued at $4,627,366. The decrease in the value of products during the decade was $2,216,900, or 47.9 per cent.

There were 47 establishments engaged in flour and grist milling in 1900, with 80 wage-earners, and products valued at $1,895,921. In 1890 there were 31 establishments, 98 wage-earners, and products valued at $1,349,843. The increase in the value of products during the decade was $546,078, or 40.5 per cent.

The manufacture of malt liquors, which is the last in

[1] The Providence Plantations for 250 Years, pages 331 and 334. The New England States, Vol. IV, page 2513. One Hundred Years of American Commerce, pages 590 and 592. Industrial History of the United States, A. S. Bolles, page 328.

[2] The Providence Plantations for 250 Years, page 244.

[3] The New England States, Vol. IV, page 2538. The Providence Plantations for 250 Years, page 244.

importance of the leading industries given in Table 3, shows the following increases during the ten years ending with 1900: Capital, from $287,500 to $3,338,276, or 1,061.1 per cent; average number of wage-earners, from 82 to 296, or 261 per cent; wages, from $50,900 to $223,712, or 339.5 per cent; and the value of products, from $436,846 to $1,880,171, or 330.4 per cent.

In addition to the industries enumerated in Table 3, for which comparative figures are available, special attention should be called to the manufacture of rubber boots and shoes and of electrical apparatus and supplies. There were one and two establishments, respectively, engaged in these industries in 1890 and their statistics, therefore, were included in the group of "All other industries" and can not be used for the purpose of comparison with the totals for 1900.

Six establishments were reported for the manufacture of rubber boots and shoes at the Twelfth Census, with a product valued at $8,034,417, and the industry ranked fourth in importance according to the value of its products.

The manufacture of electrical apparatus and supplies has increased very rapidly during the last decade. In 1900 there were 13 establishments reported, with a product valued at $5,113,292, giving the industry fifth rank according to the value of products.

URBAN MANUFACTURES.

There were 24 cities and towns in Rhode Island in which the manufacturing and mechanical industries were considered of sufficient importance to justify their withdrawal from the enumerators, and the appointment of special agents to collect the statistics. The manufacturing establishments located within the corporate limits of such places are considered "urban manufactures."

The presentation of statistics in detail for cities is confined to those having a population of 20,000 or over. There were 3 cities, namely, Pawtucket, Providence, and Woonsocket, and the town of Warwick, falling within this requirement and their statistics are presented in Table 8. While Newport has a population of 22,034, it is a residential city and its manufactures are comparatively insignificant.

The statistics for Pawtucket, Providence, and Woonsocket were published separately at the census of 1890, and Table 4 is a comparative summary, presenting the totals for each of the 3 cities, together with the per cent of increase during the decade, and also the per cent that the totals for these 3 cities formed of the total for the entire state at the two censuses.

TABLE 4.—COMPARATIVE SUMMARY, PAWTUCKET, PROVIDENCE, AND WOONSOCKET, 1890 AND 1900, WITH PER CENT OF INCREASE.

	Year.	Number of establishments.	Capital.	Wage-earners. Average number.	Wage-earners. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
The State	1900	4,189	$183,784,587	98,813	$41,114,084	$12,199,283	$96,392,661	$184,074,378
	1890	3,377	126,483,401	81,111	33,239,818	8,825,407	76,253,023	142,500,625
Per cent of increase		24.0	45.3	21.8	28.7	38.2	26.4	29.2
Pawtucket	1900	594	22,399,187	12,776	5,230,268	2,040,261	12,933,104	24,080,328
	1890	371	16,698,984	8,919	3,552,529	1,051,697	9,415,654	16,303,729
Per cent of increase		43.9	34.2	43.2	47.2	94.0	37.4	47.7
Providence	1900	1,933	83,513,679	44,978	19,998,362	5,815,066	46,357,130	88,168,897
	1890	1,934	61,133,598	38,987	17,685,890	5,082,048	39,794,241	77,467,283
Per cent of increase		[1]0.1	36.6	15.4	13.1	14.4	16.5	13.8
Woonsocket	1900	242	14,279,361	8,093	3,080,280	589,795	7,563,204	15,627,539
	1890	201	10,096,619	6,190	2,141,229	393,282	5,532,286	9,613,264
Per cent of increase		20.4	41.4	30.7	43.9	50.0	36.7	62.6
Total for 3 cities	1900	2,709	120,192,227	65,847	28,308,910	8,445,122	66,853,438	127,876,764
	1890	2,506	87,924,201	54,096	23,379,648	6,527,027	54,742,181	103,384,276
Per cent of increase		8.1	36.7	21.7	21.1	29.4	22.1	23.7
Per cent of 3 cities to total for state	1900	64.7	65.4	66.6	68.9	69.2	69.4	69.5
	1890	74.2	69.5	66.7	70.3	74.0	71.8	72.6

[1] Decrease.

As shown in Table 4 there has been a satisfactory increase during the last decade in the manufacturing industries of the 3 principal cities of the state. In Providence, the leading city, there were in 1900, 1,933 establishments, or 46.1 per cent of the entire number located within the state. These establishments had a combined capital amounting to $83,513,679, or 45.4 per cent of all the capital employed in the state. Of the wage-earners, 44,978, or 45.5 per cent of all in the state were employed in Providence. These wage-earners formed 25.6 per cent of the entire population of the city and 10.5 per cent of the population of the state. In 1900 the total amount of wages paid in Providence amounted to $19,998,362, or 48.6 per cent of all wages paid in the state. The value of products, including custom work and repairing, for the city during 1900 was $88,168,897, or 47.9 per cent of the total products of the state, while the combined value of the products of Pawtucket, Providence, and Woonsocket amounted to $127,876,764, or 69.5 per cent of the total products of the state. The proportion which the totals for these cities form of the total for the entire state has decreased, showing the rapid development of manufacturing in the outlying towns. In 1890 the number of establishments located in these 3 cities formed 74.2 per cent of

the total number in the state and in 1900, 64.7 per cent, while their wage-earners formed 66.7 per cent, wages 70.3 per cent, and the value of their products 72.6 per cent of the totals for 1890, the percentages having decreased to 67.8, 68.9, and 69.5 per cent, respectively, in 1900.

In order to show the extent of the concentration of the manufactures in the cities and the present totals for the urban industries, the totals for the 24 cities and towns withdrawn from the enumerators are given in Table 5. This table also places the totals for the cities and towns in comparison with the totals for the state and the state exclusive of these cities and towns, and shows their rank in population and in value of products.

TABLE 5.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	Wage-earners.		Miscellaneous expenses.	Cost of materials used.	Products.			Population.		
				Average number.	Total wages.			Value.	Rank.	Per cent of total.	Total.	Rank.	Per cent of total.
Total for state	4,189	$183,784,587	4,536	98,813	$41,114,084	$12,199,283	$96,392,720	$184,074,378	-------	100.0	428,556	-------	100.0
Total for urban manufactures	4,038	171,333,767	4,385	93,763	39,115,379	11,374,090	92,542,677	175,698,276	-------	95.4	408,753	-------	95.4
Bristol	72	3,919,260	79	2,009	828,366	317,878	2,028,612	3,670,251	9	2.0	6,901	12	1.6
Burrillville	64	2,922,075	64	1,865	739,988	256,248	2,574,503	4,089,160	6	2.2	6,317	13	1.5
Central Falls	134	3,389,256	138	2,092	800,852	221,472	2,119,055	3,749,783	7	2.0	18,167	6	4.2
Coventry	34	1,808,570	27	1,335	465,321	52,115	947,899	1,645,699	15	0.9	5,279	14	1.2
Cranston	38	1,884,867	36	644	326,790	440,104	691,408	1,603,464	16	0.9	13,343	7	3.1
Cumberland	27	4,488,459	29	1,688	660,997	53,425	656,578	1,969,553	12	1.1	8,925	10	2.1
East Greenwich	46	443,701	51	355	140,346	23,864	312,869	663,416	20	0.3	2,775	21	0.6
East Providence	48	2,261,080	55	901	366,729	265,293	4,341,767	5,487,101	5	3.0	12,138	8	2.8
Hopkinton	42	831,126	48	372	125,621	29,180	255,278	506,209	23	0.3	2,602	22	0.6
Johnston	13	2,026,139	13	729	280,348	88,745	1,924,454	2,619,146	11	1.4	4,305	17	1.0
Lincoln	41	6,134,320	39	2,645	990,769	105,449	1,817,256	3,743,875	8	2.0	8,937	9	2.1
Newport	290	2,495,679	340	1,749	1,012,782	357,015	1,406,811	3,442,988	10	1.9	22,034	4	5.1
North Kingstown	60	1,182,406	63	508	211,197	38,200	618,450	1,100,426	18	0.6	4,194	18	1.0
North Smithfield	8	958,082	7	718	188,742	46,938	242,830	534,224	22	0.3	2,422	23	0.6
Pawtucket	534	22,399,187	556	12,776	5,230,268	2,040,261	12,933,104	24,080,328	2	13.1	39,231	2	9.1
Providence	1,993	83,513,679	2,145	44,978	19,998,362	5,815,066	46,357,130	88,168,897	1	47.9	175,597	1	41.0
Scituate	33	1,261,223	33	600	190,739	61,956	289,342	638,146	21	0.3	3,361	19	0.8
Smithfield	16	325,933	17	208	73,519	11,564	196,939	311,723	24	0.2	2,107	24	0.5
South Kingstown	71	1,697,485	75	810	349,544	72,995	885,192	1,536,535	17	0.8	4,972	16	1.2
Tiverton	22	749,331	19	541	192,361	25,655	292,350	730,398	19	0.4	2,977	20	0.7
Warren	61	2,353,204	62	1,047	396,010	73,815	753,470	1,647,365	14	0.9	5,108	15	1.2
Warwick	104	8,418,333	110	5,544	1,858,462	330,774	2,522,789	6,197,506	4	3.4	21,316	5	5.0
Westerly	105	1,587,951	122	1,561	661,986	56,228	811,392	1,934,544	13	1.0	7,541	11	1.8
Woonsocket	242	14,279,361	257	8,093	3,080,280	589,795	7,563,204	15,627,539	3	8.5	28,204	3	6.6
Total for state exclusive of urban manufactures	151	12,450,820	151	5,050	1,998,705	825,193	3,850,043	8,376,102	-------	4.6	19,803	-------	4.6
Per cent of urban manufactures to total for state	96.4	93.2	96.7	94.9	95.1	93.2	96.0	95.4	-------	-------	95.4	-------	-------

It appears from Table 5 that practically all of the manufacturing establishments of the state are located within the corporate limits of the 24 cities and towns which were withdrawn from the enumerators and assigned to special agents. The urban manufactures constitute 96.4 per cent of the establishments in the state, 93.2 per cent of the capital, 94.9 per cent of the wage-earners, 95.1 per cent of the wages, and 95.4 per cent of the total value of products.

Of the towns, Warwick ranks first in value of products; the returns for 1900 showing a total of $6,197,506, a large percentage of this amount consisting of cotton goods.

East Providence ranks second with a production of $5,487,101, a large part of which consists of chemical products and electrical apparatus and supplies.

Burrillville with a product valued at $4,089,160, Central Falls with a product valued at $3,749,783, and Lincoln with a product valued at $3,743,875, rank next in importance in value of products. The chief industry in each of these 3 towns is the manufacture of cotton goods.

The products for the town of Bristol for 1900 amounted to $3,670,251. The town is famous for its yacht construction. The principal industries are shipbuilding and the manufacture of rubber goods.

The statistics of the 5 counties in Rhode Island are shown in Table 6. Providence county shows 3,182 establishments, or 76 per cent, with products valued at $159,317,811, or 86.6 per cent of the totals in the state. This great proportion is explained by the fact that the 3 large cities, namely, Pawtucket, Providence, and Woonsocket, are located in Providence county.

Kent county is second in importance, producing goods valued at $9,093,997 during the year ending May 31, 1900. The principal industries located in this county come under the head of textiles, and the greater part of the manufactured products are cotton goods.

The detailed statistics of the census of 1900 are presented in the 4 tables which follow.

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the cities of Pawtucket, Providence, and Woonsocket, and the town of Warwick by specified industries.

Table 9 shows the totals for all industries in the cities and towns withdrawn from the enumerators, exclusive of those shown in Table 8.

TABLE 6.—MANUFACTURES

	COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	The State	4,189	$183,784,587	$13,467,509	$30,713,220	$49,418,315	$90,185,543	4,536	4,433	$5,552,189	98,813	$41,114,084
2	Bristol	140	6,357,154	211,878	1,268,420	1,896,926	2,979,930	147	96	133,623	3,097	1,243,065
3	Kent	204	11,378,680	971,053	3,143,231	3,975,742	3,288,654	212	125	201,414	7,562	2,604,630
4	Newport	361	3,315,121	491,551	594,374	903,844	1,325,352	414	91	78,322	2,353	1,237,694
5	Providence	3,182	156,489,005	11,146,587	24,665,580	41,119,717	79,558,121	3,435	3,954	5,005,825	81,949	34,461,490
6	Washington	302	6,244,627	647,440	1,041,615	1,522,086	3,033,486	328	167	133,005	3,852	1,567,205

TABLE 7.—MANUFACTURES BY

1	All industries	4,189	$183,784,587	$13,467,509	$30,713,220	$49,418,315	$90,185,543	4,536	4,433	$5,552,189	98,813	$41,114,084
2	Awnings, tents, and sails	6	45,150			9,950	35,200	7	5	3,000	52	36,959
3	Belting and hose, leather	4	195,866	37,500	19,000	40,216	99,150	4	5	3,936	37	17,454
4	Bicycle and tricycle repairing	84	121,753	4,330	5,820	39,789	71,814	100	7	2,367	104	47,525
5	Bicycles and tricycles	4	24,300	4,000	7,000	7,600	5,700	4	6	3,600	17	6,100
6	Blacksmithing and wheelwrighting	802	394,552	59,023	93,278	93,615	148,636	321	3	1,736	373	215,198
7	Bookbinding and blank book making	10	75,339			40,373	34,966	11	8	6,256	90	37,128
8	Boot and shoe findings	3	146,005	17,000	35,000	31,450	62,555	2	5	3,325	55	31,442
9	Boots and shoes, custom work and repairing.	264	110,743	9,645	9,790	36,956	54,352	273	1	676	126	56,687
10	Boots and shoes, factory product	5	57,358			6,200	51,158	4	17	14,800	9	1,883
11	Boots and shoes, rubber	6	7,379,867	141,027	1,217,428	976,125	5,045,287	1	105	124,955	3,170	1,281,705
12	Bottling	18	165,038	26,300	53,600	40,753	44,385	28	19	10,247	79	41,323
13	Boxes, fancy and paper	8	125,467	4,000	17,425	48,194	55,848	9	11	9,042	392	122,386
14	Boxes, wooden packing	9	220,813	40,500	37,560	40,311	102,442	14	6	4,309	170	74,853
15	Brass castings and brass finishing	12	178,963	18,000	32,160	29,797	99,006	12	10	11,188	104	35,571
16	Brassware	8	50,350	750	3,000	27,600	19,000	12	3	1,950	103	36,470
17	Bread and other bakery products	170	639,817	117,870	139,726	160,656	221,565	200	164	85,333	706	352,472
18	Bridges	3	35,681	3,000	1,500	21,500	9,681	4	4	3,328	67	29,568
19	Brooms and brushes	12	65,076	1,500	1,650	11,645	50,281	14	5	3,756	157	47,373
20	Buttons	3	29,116			20,500	8,616	2	4	2,464	28	3,501
21	Card cutting and designing	3	12,800			8,300	4,500	4	1	300	20	5,764
22	Carpentering	238	1,096,808	115,705	126,965	170,910	683,228	271	42	30,136	2,532	1,318,196
23	Carriage and wagon materials	3	5,065			2,865	2,200	3			4	2,448
24	Carriages and wagons	69	446,116	80,525	91,200	63,371	211,020	77	15	11,597	353	205,706
25	Cars and general shop construction and repairs by steam railroad companies.	3	120,900	11,500	41,000	50,500	17,900		17	14,490	215	133,300
26	Cheese, butter, and condensed milk, factory product.	3	7,800	400	1,850	3,350	2,200		4	1,125	9	3,427
27	Chemicals	4	340,724	18,000	42,500	31,300	248,924	3	11	12,903	100	43,204
28	Clothing, men's, custom work and repairing.	189	416,922	16,250	11,900	29,733	359,039	201	18	16,160	706	338,667
29	Clothing, women's, dressmaking	223	178,896	24,900	39,620	30,460	83,916	236	4	4,675	606	188,116
30	Coffee and spice, roasting and grinding.	4	82,424			9,824	72,600	4	8	8,832	30	20,950
31	Confectionery	73	231,179	59,550	49,025	63,748	58,856	84	34	8,428	182	78,396
32	Cordage and twine	5	95,947	3,000	15,000	39,226	38,721	7	4	2,670	84	22,175
33	Cotton goods	71	37,274,125	2,791,426	10,352,803	12,065,017	12,064,819	15	332	666,541	21,823	7,297,119
34	Cotton small wares	16	2,876,699	259,000	468,875	834,726	1,314,098	13	48	67,924	2,209	735,888
35	Dyeing and cleaning	15	13,120	1,100	2,600	6,570	2,850	16	2	576	34	13,828
36	Dyeing and finishing textiles	24	12,853,123	1,572,306	3,765,314	3,862,803	3,652,700	6	256	449,996	5,942	2,474,042
37	Electrical apparatus and supplies	13	2,652,135	125,150	288,600	414,400	1,823,985	8	50	64,524	864	328,691
38	Electrical construction and repairs	16	62,954			12,141	50,813	21	12	7,044	96	53,931
39	Electroplating	12	44,300			17,600	26,700	12	4	2,520	96	40,883
40	Enameling and enameled goods	20	107,888	2,900	6,500	18,441	80,047	28	14	12,976	388	117,268
41	Engraving and diesinking	26	40,258			24,775	15,483	29			86	43,716
42	Engraving, steel, including plate printing.	5	52,950	2,500	7,000	34,300	9,150	7	1	1,200	48	27,280
43	Files	6	1,157,678	150,510	226,295	286,736	494,137	4	51	63,355	846	371,980
44	Flavoring extracts	8	25,865	1,000	7,400	2,245	15,220	8	2	761	5	2,712
45	Flouring and grist mill products	47	532,211	33,152	112,757	94,058	292,244	52	20	14,006	80	37,678
46	Food preparations	8	22,581	2,425	2,250	6,588	11,318	9	1	500	48	21,030
47	Foundry and machine shop products	149	16,403,935	1,742,233	2,709,771	4,560,082	7,391,849	142	500	712,218	8,799	4,638,507
48	Fur goods	4	12,780			930	11,850	6	1	800	16	8,354
49	Furniture, cabinetmaking, repairing, and upholstering.	62	343,792	17,925	34,500	21,740	269,627	69	4	2,832	204	135,683
50	Furniture, factory product	3	37,750	15,000	10,000	5,050	7,700	4			28	16,394
51	Gas and lamp fixtures	5	32,900	800	5,200	7,400	19,500	8	2	1,440	35	17,988
52	Gas, illuminating and heating	6	5,664,453	716,630	580,607	3,207,171	1,160,045		45	49,850	430	249,021
53	Glass, cutting, staining, and ornamenting.	6	17,486			5,350	12,136	6	2	1,500	21	14,599
54	Gold and silver, reducing and refining, not from the ore.	10	505,957	36,200	53,800	48,850	367,107	16	22	24,050	70	43,884
55	Grease and tallow	3	21,000	3,100	6,000	4,500	2,400	4			5	2,449
56	Hairwork	6	5,585			360	5,225	7	1	1,150	6	2,777

BY COUNTIES: 1900.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
64,508	$31,295,442	29,269	$8,909,010	5,036	$909,632	$12,199,283	$1,621,927	$752,305	$8,442,226	$1,382,825	$96,392,661	$93,845,840	$2,546,821	$184,074,378	1
1,770	821,262	1,195	396,194	132	25,609	399,549	9,523	18,241	363,435	8,350	2,809,507	2,735,999	73,508	5,408,138	2
4,486	1,821,335	2,368	651,403	708	131,892	431,672	13,951	43,253	366,291	8,177	4,025,413	3,781,672	243,741	9,093,997	3
1,928	1,119,749	364	110,170	61	7,775	386,277	52,485	15,116	86,378	232,298	1,778,041	1,727,609	50,432	4,332,471	4
53,538	26,261,678	24,414	7,479,958	3,997	719,854	10,704,710	1,517,116	653,958	7,442,282	1,091,354	84,769,776	82,670,282	2,099,494	159,317,811	5
2,786	1,271,418	928	271,285	138	24,502	277,075	28,852	21,737	183,840	42,646	3,009,924	2,930,278	79,646	5,921,961	6

SPECIFIED INDUSTRIES: 1900.

64,508	$31,295,442	29,269	$8,909,010	5,036	$909,632	$12,199,283	$1,621,927	$752,305	$8,442,226	$1,382,825	$96,392,661	$93,845,840	$2,546,821	$184,074,378	1
34	30,260	18	6,699			2,807	1,934		873		92,538	92,095	443	173,275	2
37	17,454					6,222	660	488	5,074		153,430	152,285	1,145	223,380	3
98	46,401			6	1,124	17,790	14,264	351	3,175		98,584	95,832	2,752	227,317	4
17	6,100					1,309	496	80	733		23,195	22,750	445	43,382	5
372	215,098			1	100	34,007	27,565	1,921	4,010	511	227,058	214,312	12,746	742,858	6
45	24,489	43	12,149	2	490	14,585	4,879	374	9,332		21,807	20,710	1,097	91,742	7
37	26,756	12	4,086	6	600	1,618	450	516	652		37,339	34,347	2,992	93,720	8
121	55,732	5	955			29,073	26,221	227	2,376	249	120,666	117,435	3,231	343,577	9
4	1,040	4	728	1	120	27,480	317	145	5,867	21,151	179,986	178,876	1,110	241,278	10
1,726	809,414	1,360	460,491	84	11,800	443,853		8,888	434,965		3,794,027	3,731,730	62,297	8,034,417	11
75	39,948			4	1,375	14,348	3,854	1,976	8,518		226,806	225,183	1,623	356,393	12
81	38,090	303	82,696	8	1,600	7,658	4,625	278	2,755		107,261	103,856	3,405	278,824	13
169	74,169	1	684			11,844	5,412	1,253	5,179		224,346	221,546	2,800	360,856	14
103	85,363			1	208	10,632	6,092	1,388	3,152		163,820	158,472	5,348	289,307	15
94	34,400	6	1,560	3	510	4,572	2,144	115	1,813	200	46,703	45,132	1,571	141,650	16
626	331,044	56	17,600	24	3,828	84,017	40,389	3,352	40,156	120	1,235,881	1,201,703	34,178	2,156,292	17
67	29,568					1,050	88	121	841		44,664	43,462	1,202	79,530	18
66	22,696	90	24,527	1	150	4,109	2,589	53	1,467		66,976	63,325	3,651	165,350	19
19	5,730	9	2,771			4,393	1,400		2,993		9,040	8,680	360	33,589	20
7	2,910	7	1,654	6	1,200	1,408	850	12	232	314	7,622	7,352	270	20,782	21
2,531	1,318,040			1	156	383,034	21,017	3,456	31,594	331,967	2,545,457	2,536,891	8,566	5,031,615	22
4	2,448					1,180	1,084		96		3,050	2,660	390	8,400	23
353	205,706					31,146	12,395	1,936	11,815	5,000	215,313	205,889	9,424	631,711	24
215	133,300					1,770		1,770			48,596	46,021	2,575	203,326	25
9	3,427					628	315	30	283		28,938	28,631	307	39,569	26
85	40,304	15	2,400			35,995	4,125	2,866	29,004		117,828	109,447	8,381	292,794	27
458	268,974	240	68,285	8	1,408	79,590	52,499	1,210	20,522	5,359	407,983	402,567	5,416	1,097,790	28
37	19,609	567	168,147	2	360	33,596	26,811	1,049	5,611	125	168,559	165,958	2,601	542,944	29
26	20,050	4	900			12,545	3,785		8,760		139,140	137,335	1,805	227,541	30
140	66,640	38	11,134	4	622	27,646	19,514	1,177	6,695	260	255,528	249,960	5,568	488,397	31
38	11,694	46	10,481			8,052	2,150	246	4,089	1,567	63,954	62,497	1,457	108,715	32
10,330	4,062,540	9,240	2,813,883	2,253	420,696	1,580,859	464,454	240,778	763,537	112,090	10,601,006	10,080,356	520,650	24,056,175	33
650	351,686	1,379	353,637	180	30,565	155,731	6,612	14,818	123,697	10,604	1,096,455	1,048,159	48,296	2,379,500	34
17	8,240	16	5,288	1	300	6,349	3,133	80	2,136		5,077	3,596	1,481	39,425	35
4,644	2,118,454	1,039	309,949	259	45,639	1,138,065	4,805	49,140	1,080,120	4,000	3,087,781	2,573,924	513,857	8,484,878	36
586	254,318	278	74,373			257,774	7,509	3,535	246,330	400	4,134,980	4,110,737	24,243	5,113,292	37
95	53,331	1	600			16,722	5,109	15	6,598	5,000	96,993	95,741	952	230,167	38
77	36,343	5	1,618	14	2,422	5,474	4,389	135	950		56,278	54,123	2,155	151,480	39
187	58,739	167	51,732	34	6,797	13,343	4,684	228	8,431		63,225	58,180	5,045	264,505	40
74	40,754	8	2,012	4	950	5,534	4,351	75	1,108		7,445	5,803	1,642	91,359	41
29	20,800	19	6,480			2,627	1,990	144	493		2,470	2,145	325	47,718	42
748	340,411	98	31,569			65,444	188	5,661	59,595		358,993	330,066	28,927	1,033,838	43
3	1,712	2	1,000			1,484	577	33	799	75	14,543	14,448	95	28,010	44
80	37,678					22,292	5,197	2,037	8,738	6,320	1,628,852	1,619,822	9,030	1,895,921	45
25	15,168	23	5,862			2,735	1,155	143	1,437		93,312	92,566	746	132,400	46
8,618	4,580,221	131	48,828	50	9,458	933,616	70,932	82,588	735,229	44,867	5,417,891	5,209,364	208,527	18,269,086	47
6	3,300	9	5,450	1	104	6,003	2,182	163	1,158	2,500	8,922	8,774	148	24,580	48
184	127,334	20	8,299			15,169	11,644	602	2,523	400	118,782	116,979	1,803	357,561	49
27	16,194	1	200			3,378	2,100	248	1,030		10,150	9,500	650	32,325	50
29	16,350	3	1,170	3	468	7,142	2,870	137	1,135	3,000	25,241	24,113	1,128	67,000	51
430	249,021					212,872		51,450	161,422		244,124	243,094	1,030	969,248	52
21	14,599					2,598	1,653	35	910		11,729	11,128	601	44,563	53
70	43,884					26,625	4,650	2,552	19,423		3,138,355	3,130,004	8,351	3,484,454	54
5	2,449					1,685	400	226	1,059		38,685	38,260	425	51,053	55
1	780	5	1,997			2,058	1,788		270		3,350	3,275	75	14,873	56

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
57	Hand knit goods	3	$2,000			$250	$1,750	3	1	$800	2	$1,150
58	Hand stamps	3	9,900			6,700	3,200	3			8	4,008
59	Hardware	5	167,737			26,300	141,437	4	8	3,568	44	17,040
60	Hats and caps, not including fur hats and wool hats.	5	12,125			2,575	9,550	5	7	5,820	35	15,430
61	Hosiery and knit goods	15	2,452,044	$145,850	$804,891	598,808	1,402,495	10	65	87,223	1,594	469,193
62	Iron and steel, nails and spikes, cut and wrought, including wire nails.	3	260,568			27,107	233,461	2	8	4,658	85	12,217
63	Ivory and bone work	3	34,000	1,250	7,000	12,750	13,000	3	8	3,171	81	31,697
64	Jewelry	214	8,899,702	32,900	93,291	1,616,732	7,156,779	299	606	588,068	7,162	3,170,932
65	Labels and tags	3	30,400			19,500	10,900	2	2	1,350	22	9,470
66	Leather, tanned, curried, and finished	5	157,900	21,700	13,000	19,900	103,300	6	6	7,930	69	32,092
67	Lime and cement	3	26,150	8,000	4,000	2,500	11,650	3	1	360	40	16,230
68	Liquors, malt	6	3,338,276	143,711	1,002,754	1,170,167	1,021,644	1	53	89,674	296	223,712
69	Lock and gun smithing	21	21,110	3,700	1,900	8,415	7,095	24			15	7,838
70	Looking-glass and picture frames	17	44,292	3,500	1,000	4,350	35,442	18	2	1,500	28	13,916
71	Lumber and timber products	35	216,670	50,995	8,185	49,455	108,035	38	3	725	128	43,280
72	Lumber, planing mill products, including sash, doors, and blinds.	19	611,300	54,000	76,900	99,950	380,450	25	22	28,240	282	136,102
73	Marble and stone work	19	436,920	89,375	51,780	176,640	119,175	21	19	19,013	700	357,111
74	Masonry, brick and stone	84	913,911	115,350	92,225	199,858	506,478	101	67	52,580	2,343	992,566
75	Mattresses and spring beds	5	41,975	2,000	5,000	6,545	28,430	6	5	2,888	46	18,411
76	Millinery, custom work	148	338,041	10,000	16,950	13,517	297,574	162	42	13,304	420	140,366
77	Mineral and soda waters	31	167,090	11,100	17,380	86,494	52,116	41	15	8,932	101	51,627
78	Models and patterns	9	19,404	500	1,500	8,491	8,913	9			33	20,176
79	Monuments and tombstones	38	364,320	112,550	29,620	31,595	190,555	54	7	4,850	205	128,467
80	Mucilage and paste	3	23,034			1,300	21,734	4	5	2,360	7	3,975
81	Oil, not elsewhere specified	6	128,286	20,000	25,000	15,038	68,248	7	23	23,081	98	47,856
82	Oleomargarine	3	702,299	31,494	100,000	77,949	492,856		25	31,626	127	52,796
83	Optical goods	8	117,701	2,000	2,500	36,472	76,729	7	18	16,752	120	56,997
84	Painting, house, sign, etc	214	392,382	30,130	28,985	61,081	272,186	246	17	7,824	1,084	588,689
85	Paints	4	104,781	5,000	21,800	16,700	61,281	4	13	16,164	18	9,998
86	Paper goods, not elsewhere specified	6	130,711	3,000	7,000	70,754	49,957	10	1	1,340	66	28,866
87	Paper hanging	10	12,600			1,600	11,000	10	1	720	26	14,695
88	Patent medicines and compounds	22	142,719	17,025	23,277	12,636	89,881	25	8	10,519	57	24,310
89	Paving and paving materials	17	167,445	14,686	24,650	47,216	80,893	21	11	9,334	221	84,210
90	Perfumery and cosmetics	4	12,305	2,000	3,880	665	5,760	4	1	2,500	5	1,910
91	Photography	47	114,039	6,100	9,075	51,304	47,560	53	7	5,226	86	41,758
92	Photolithographing and photoengraving.	3	6,800			3,800	3,000	3			13	7,150
93	Pickles, preserves, and sauces	3	62,010	1,060	19,600	12,452	28,898	4	9	7,400	40	19,020
94	Plastering and stuccowork	6	3,515			675	2,840	8			28	13,979
95	Plumbers' supplies	3	44,246	400	1,800	15,018	27,028	4	2	2,400	36	17,933
96	Plumbing, and gas and steam fitting	144	879,463	57,960	42,775	90,061	688,667	174	74	47,588	764	416,152
97	Printing and publishing, book and job	72	699,677	8,450	20,800	380,826	289,601	80	71	70,659	621	280,418
98	Printing and publishing, newspapers and periodicals.	32	930,593	191,200	89,984	429,993	219,416	30	44	51,969	488	318,219
99	Roofing and roofing materials	15	110,268	10,050	10,025	15,288	74,960	18	10	8,535	147	64,507
100	Rubber and elastic goods	9	1,631,869	42,500	160,858	275,843	1,152,668	1	63	88,732	1,039	359,211
101	Saddlery and harness	69	156,887	2,725	7,950	20,660	125,552	71	18	12,597	88	50,263
102	Sausage	7	51,550	1,700	3,100	18,500	28,250	11	11	7,966	32	20,468
103	Ship and boat building, wooden	20	540,847	50,850	98,917	164,567	226,513	19	8	20,440	299	210,009
104	Shirts	4	7,900			1,850	6,050	7	3	2,000	22	7,800
105	Shoddy	9	228,980	6,500	21,700	114,605	86,125	16	3	3,400	131	56,397
106	Silk and silk goods	6	680,252	24,955	96,224	165,032	394,041	3	3	12,320	455	166,675
107	Silversmithing	4	371,570			131,929	239,641	4	26	24,444	275	121,441
108	Silverware	8	5,127,714	125,000	410,000	1,157,116	3,435,598	7	126	146,489	1,540	978,193
109	Slaughtering and meat packing, wholesale.	6	727,850	9,800	17,400	25,700	674,950	9	16	17,636	199	102,424
110	Soap and candles	10	397,658	53,400	44,200	22,886	277,172	11	61	84,764	166	63,299
111	Stencils and brands	3	5,325			3,600	1,725	3			8	3,730
112	Tinsmithing, coppersmithing, and sheet-iron working.	69	407,040	44,050	44,350	63,958	254,682	79	30	18,610	335	184,375
113	Tobacco, cigars and cigarettes	34	121,321	13,500	19,700	11,745	76,376	35	14	11,700	159	65,515
114	Tools, not elsewhere specified	7	43,650	500	2,500	19,500	21,150	9	3	1,410	44	21,040
115	Trunks and valises	3	6,350			1,000	5,350	4	1	208	11	6,635
116	Upholstering materials	4	761,930	35,000	121,100	194,282	411,548	2	16	17,469	200	79,318
117	Vinegar and cider	5	6,312	625	2,370	2,790	527	5			1	458
118	Watch, clock, and jewelry repairing	94	100,540	1,500	5,450	34,320	59,270	101	8	2,377	34	52,561
119	Window shades	4	6,550			750	5,800	5	1	750	9	5,350
120	Wirework, including wire rope and cable.	9	62,248	2,525	4,063	22,560	33,100	8	10	5,366	62	25,277
121	Wood, turned and carved	15	427,048	67,500	90,500	127,515	141,533	14	11	13,598	374	136,628
122	Woolen goods	26	6,068,073	636,200	925,412	1,240,042	3,266,419	24	79	143,538	2,710	1,104,054
123	Worsted goods	51	34,949,769	2,174,879	3,799,161	7,098,313	21,877,416	38	322	593,869	14,896	5,537,169
124	All other industries[1]	108	13,686,385	674,132	1,946,459	5,241,330	5,824,414	96	392	533,478	5,079	2,213,400

[1] Embraces artificial limbs, 1; baking and yeast powders, 1; baskets, and rattan and willow ware, 1; billiard tables and materials, 1; blacking, 1; boot and shoe cut stock, 1; boot and shoe uppers, 1; brick and tile, 1; cardboard, 2; carpets, rag, 1; china decorating, 1; cleansing and polishing preparations, 2; clothing, horse, 1; clothing, men's, factory product, 2; clothing, women's, factory product, 2; coffins, burial cases, and undertakers' goods, 1; combs, 1; cooperage, 1; cordials and sirups, 1; cork, cutting, 1; corsets, 1; cutlery and edge tools, 2; druggists' preparations, not including prescriptions, 2; dye stuffs and extracts, 2; emery wheels, 1; engraving, wood, 2; envelopes, 1; fancy articles, not elsewhere specified, 2; felt goods, 1; fertilizers, 1; fruits and vegetables, canning and preserving, 1; fur hats, 2; furnishing goods, men's, 2; gas machines and meters, 2; gloves and mittens, 1; gold and silver, leaf and foil, 2; hardware, saddlery, 2; house furnishing goods, not elsewhere specified, 2; ice, manufactured, 2; instruments, professional and scientific, 1; iron and steel, 1; iron and steel, bolts, nuts,

SPECIFIED INDUSTRIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
1	$650	1	$500			$2,868	$368		$300	$2,200	$4,148	$4,148		$10,975	57
7	3,696	1	312			942	878		64		3,978	3,918	$60	12,426	58
41	16,140	3	900			2,401	1,326	$8	1,067		69,650	69,245	405	109,156	59
18	10,120	16	5,160	1	$150	1,828	1,394	82	352		28,240	28,051	189	58,770	60
435	183,293	1,015	256,743	144	29,157	90,900	6,157	5,779	75,329	3,635	1,766,881	1,741,116	25,715	2,713,850	61
26	10,495	2	520	7	1,202	5,644	1,600	99	3,945		12,926	12,101	825	25,960	62
42	22,233	39	9,464			1,513	384	116	1,013		39,341	38,512	829	74,718	63
4,289	2,340,195	2,720	796,997	153	33,740	668,245	139,526	10,930	442,994	74,795	6,206,699	6,140,461	66,238	13,320,620	64
20	8,958	1	312	1	200	3,556	1,836		1,720		15,010	14,780	200	42,775	65
67	31,572	2	520			5,832	1,268	444	2,590	1,530	207,317	205,557	1,760	292,939	66
40	16,230					9,752	1,120	132	8,500		17,139	8,439	8,700	48,089	67
296	223,712					859,619		14,907	844,712		453,406	404,294	49,112	1,880,171	68
13	6,895	1	468	1	475	6,265	5,151	189	834	91	7,283	6,542	741	35,004	69
26	12,590	2	456			10,590	8,799	358	1,033	400	31,407	31,074	333	73,662	70
122	43,162			1	118	5,883	315	860	3,518	1,190	124,973	124,793	180	233,579	71
282	136,102					25,503	10,176	8,376	6,951		325,613	321,185	4,428	664,018	72
700	357,111					48,489	3,272	2,426	42,491	300	152,039	139,013	13,026	761,318	73
2,342	992,466			1	100	139,293	3,998	2,183	32,692	100,420	1,867,991	1,860,286	7,705	3,383,123	74
38	16,218	8	2,193			4,919	3,321	101	1,497		57,371	56,756	615	105,840	75
		413	139,824	7	542	81,497	68,522	1,422	11,553		423,163	419,640	3,523	889,704	76
101	51,627					20,436	5,154	396	14,886		72,747	70,644	2,103	213,129	77
33	20,176					2,370	1,731	41	598		8,797	7,338	1,459	45,666	78
205	128,407					18,272	2,012	2,098	7,212	6,950	126,354	121,916	4,438	371,894	79
7	3,975					3,950	1,710		2,240		34,302	33,182	1,120	50,940	80
98	47,856					18,616	3,880	750	13,986		183,118	181,973	1,145	353,485	81
111	47,856	16	4,940			121,912	1,000	1,460	119,452		912,912	906,610	6,302	1,345,133	82
84	46,831	34	9,634	2	442	12,595	4,953	80	7,562		86,721	85,640	1,081	223,399	83
1,080	587,365	1	312	3	1,012	38,566	26,170	622	11,574	200	333,338	331,455	1,883	1,258,462	84
17	9,890	1	108			5,688	1,259	313	4,116		106,376	104,493	1,883	166,818	85
36	21,680	28	6,586	2	600	5,906	4,040	197	1,669		198,251	194,591	3,660	309,670	86
26	14,605					2,232	1,851		381		18,123	17,935	188	51,929	87
31	16,676	26	7,634			25,418	6,008	1,164	18,096	150	98,382	97,103	1,279	248,454	88
221	84,210					17,264	197	585	16,482		89,365	85,592	3,773	238,723	89
2	1,186	3	724			4,506	108	97	4,301		8,093	8,045	48	24,148	90
49	27,943	36	13,711	1	104	21,102	16,171	140	4,741	50	53,769	52,505	1,264	179,629	91
11	6,800			2	350	1,400	670		730		2,751	2,555	196	21,000	92
37	18,320	3	700			2,325	408	271	1,646		115,107	113,979	1,128	149,219	93
27	13,829			1	150	1,008	956	7	45		3,232	3,155	77	21,650	94
36	17,933					7,719	1,700	61	5,958		21,182	20,862	320	60,536	95
757	414,675			7	1,477	67,425	34,408	1,709	25,008	6,300	812,901	805,420	7,481	1,677,503	96
444	237,104	152	39,257	25	4,057	64,763	23,909	1,228	29,810	9,816	362,039	350,926	11,113	967,517	97
442	301,929	39	15,245	7	1,045	122,974	15,772	5,348	91,362	10,492	166,091	155,177	10,914	940,806	98
147	64,507					6,849	1,220	292	5,137	200	109,144	107,864	1,280	230,393	99
480	193,469	550	164,034	9	1,741	200,011	16,300	3,710	180,001		1,659,676	1,637,271	22,405	2,518,268	100
88	50,268					17,164	12,889	176	3,949	150	98,003	96,093	1,910	240,632	101
32	20,468					4,072	2,954	287	831		130,039	128,095	1,944	185,053	102
299	210,009					7,821	2,226	1,421	3,874	300	229,496	224,736	4,760	555,827	103
1	520	21	7,280			1,345	910		435		13,312	13,102	210	35,630	104
127	55,096	4	1,301			23,828	11,290	824	11,714		399,126	386,399	12,727	515,643	105
124	82,240	326	83,664	5	771	103,454	18,925	3,013	7,916	78,600	818,561	812,385	6,176	1,311,333	106
214	110,159	54	10,504	7	781	25,006	6,020	517	18,469		193,557	192,123	1,434	414,782	107
1,438	955,721	92	20,931	10	1,546	105,514	6,240	7,915	91,359		1,687,883	1,667,394	20,489	3,834,408	108
196	101,588			3	836	43,794	10,373	802	32,619		2,164,400	2,155,775	8,625	2,410,466	109
136	54,549	5	2,500	25	6,250	129,442	1,900	2,209	125,333		550,126	543,247	6,879	937,781	110
6	3,424			2	306	1,744	1,250		254	240	1,866	1,750	116	11,000	111
335	184,375					28,761	15,174	1,099	9,885	2,603	249,728	245,160	4,568	632,367	112
97	47,463	62	18,052			37,466	3,658	642	33,166		92,054	91,117	937	292,872	113
43	20,790			1	250	2,973	1,415	116	1,442		6,651	5,591	1,060	52,551	114
11	6,035					3,126	2,749	56	321		12,057	11,976	81	27,075	115
90	46,750	110	33,068			37,887	1,680	3,621	26,797	5,289	315,893	308,413	7,480	517,055	116
1	458					264	10	19	235		2,693	2,653	40	8,499	117
80	51,625	4	876			28,055	22,653	218	4,984	200	41,243	39,377	1,866	209,976	118
7	4,650	2	700			1,753	1,278		475		8,653	8,637	16	22,774	119
51	22,545	1	728	10	2,004	4,358	1,700	176	1,982	500	55,273	53,560	1,713	107,795	120
347	132,248	7	1,820	20	2,560	10,158	1,792	1,456	6,910		181,019	179,072	1,947	380,114	121
1,814	807,288	799	277,232	97	19,534	287,695	28,104	17,010	212,476	30,105	3,386,993	3,306,931	80,062	5,330,550	122
7,170	3,200,452	6,342	2,104,585	1,384	232,132	1,833,985	104,610	92,150	1,335,015	302,210	21,490,592	21,134,817	355,775	33,341,329	123
3,884	1,928,829	1,059	266,621	136	22,950	863,736	35,538	59,546	580,827	187,830	5,725,688	5,540,199	185,489	11,259,566	124

washers, and rivets, 2; iron and steel, forgings, 1; ironwork, architectural and ornamental, 2; jewelry and instrument cases, 1; kindling wood, 1; lapidary work, 2; lead, bar, pipe, and sheet, 2; leather goods, 1; lithographing and engraving, 2; millinery and lace goods, 2; musical instruments and materials, not specified, 1; musical instruments, organs and materials, 2; oil, cottonseed and cake, 1; pens, fountain and stylographic, 1; pens, gold, 1; photographic apparatus, 1; photographic materials, 1; plated and britannia ware, 1; regalia and society banners and emblems, 1; safes and vaults, 1; scales and balances, 1; screws, wood, 1; sewing machine repairing, 1; sewing machines and attachments, 2; shipbuilding, iron and steel, 1; slaughtering, wholesale, not including meat packing, 1; smelting and refining, not from the ore, 1; sporting goods, 1; stamped ware, 1; steam fittings and heating apparatus, 2; stereotyping and electrotyping, 2; sugar and molasses, refining, 1; surgical appliances, 1; taxidermy, 2; toys and games, 1; typewriter repairing, 2; varnish, 1; washing machines and clothes wringers, 2.

TABLE 8.—MANUFACTURES IN CITIES

PAWTUCKET.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	All industries	534	$22,399,187	$2,051,770	$3,725,920	$5,983,459	$10,638,038	556	552	$781,628	12,776	$5,230,268
2	Bicycle and tricycle repairing	7	12,534			2,996	9,538	9	1	400	8	4,800
3	Blacksmithing and wheelwrighting	26	48,570	9,325	18,150	8,270	12,825	29			34	20,747
4	Boots and shoes, custom work and repairing.	37	10,133		100	4,029	6,004	39			14	6,250
5	Bread and other bakery products	19	70,150	7,700	16,100	20,075	26,275	24	21	14,100	107	50,123
6	Brooms and brushes	8	48,876	1,500	1,650	8,445	37,281	8	5	8,756	118	36,123
7	Carpentering	34	231,555	21,900	12,660	34,815	162,680	36	9	10,128	654	254,629
8	Carriages and wagons	4	36,550	6,000	13,000	3,250	14,300	4			24	12,395
9	Clothing, men's, custom work and repairing.	20	16,196			3,365	12,831	22			46	24,947
10	Clothing, women's, dressmaking	70	24,365	3,900	1,600	6,920	11,945	74			120	39,501
11	Confectionery	13	28,531	300	500	9,745	12,986	17	1	250	38	14,561
12	Cotton goods	10	4,796,637	368,145	896,338	1,498,102	2,034,057	1	92	195,364	3,854	1,407,459
13	Cotton small wares	5	703,014	32,500	110,000	280,074	280,440	4	18	18,648	603	193,268
14	Dyeing and finishing textiles	8	2,394,977	284,060	634,143	822,981	653,793	2	72	109,820	1,309	536,488
15	Electrical apparatus and supplies	3	483,868	15,000	38,600	39,320	390,948		14	16,736	79	35,158
16	Food preparations	3	1,475	125	150	1,100	100	3			7	2,380
17	Foundry and machine shop products	23	1,627,380	140,100	300,049	390,633	796,598	23	45	66,514	1,013	500,861
18	Furniture, cabinetmaking, repairing, and upholstering.	6	7,185			1,475	5,710	7			17	7,982
19	Hosiery and knit goods	4	363,833			67,946	295,887	4	14	16,250	297	77,226
20	Jewelry	6	312,556	3,300	22,144	118,000	169,112	12	11	10,071	182	79,485
21	Lock and gun smithing	4	1,850	200	200	500	950	4			3	1,825
22	Masonry, brick and stone	14	31,602	6,000	2,300	6,218	17,084	14	3	3,000	133	79,847
23	Millinery, custom work	15	44,444			2,160	42,284	17	5	1,100	60	18,629
24	Mineral and soda waters	6	19,130	600	1,880	10,700	5,950	5	2	1,248	21	11,993
25	Models and patterns	4	12,200	500	1,500	5,600	4,600	4			18	10,600
26	Monuments and tombstones	3	10,650	2,000	1,000	1,650	6,000	4			6	5,294
27	Painting, house, sign, etc	37	48,865	600	750	10,340	37,175	41			127	81,699
28	Patent medicines and compounds	3	15,841	600	2,202	2,956	10,083	4	3	6,509	4	2,260
29	Paving and paving materials	3	11,625	1,200	1,000	5,400	4,025	4			21	8,465
30	Photography	5	13,150		175	8,750	4,225	6	1	250	9	4,620
31	Plumbing and gas and steam fitting	18	148,874	5,900	3,150	8,825	130,999	18	18	15,036	108	68,765
32	Printing and publishing, book and job	8	151,100	5,000	15,000	61,400	69,700	7	18	13,500	89	35,354
33	Printing and publishing, newspapers and periodicals.	3	128,090			94,636	33,454	6	5	2,688	62	35,332
34	Roofing and roofing materials	3	25,600	1,500	2,000	4,900	17,200	4			50	17,880
35	Saddlery and harness	5	11,940	2,000	4,000	465	5,475	6			6	3,740
36	Tinsmithing, coppersmithing, and sheet-iron working.	4	10,250			2,950	7,300	5			19	11,576
37	Tobacco, cigars and cigarettes	12	35,156	3,500	3,200	1,700	26,756	12	4	2,550	38	20,650
38	Watch, clock, and jewelry repairing	11	8,625			4,525	4,100	11	1	312	8	5,990
39	Worsted goods	3	5,119,595	617,000	787,872	1,241,722	2,473,001	1	63	103,848	1,998	733,600
40	All other industries[1]	67	5,337,215	511,315	834,512	1,187,021	2,804,367	65	126	169,550	1,467	713,271

[1] Embraces belting and hose, leather, 1; blacking, 1; bookbinding and blank book making, 2; boot and shoe cut stock, 1; boot and shoe findings, 1; bottling, 1; boxes, wooden packing, 1; brass castings and brass finishing, 2; cardboard, 2; carpets, rag, 1; chemicals, 1; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 1; cooperage, 1; cordage and twine, 1; dyeing and cleaning, 2; electrical construction and repairs, 2; fertilizers, 1; flavoring extracts, 2; flouring and grist mill products, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 1; grease and tallow, 1; hats and caps, not including fur hats and wool hats, 1; iron and steel, bolts, nuts, washers, and rivets, 2; iron and steel, nails and spikes, cut and wrought, including wire nails, 2; leather, tanned, curried, and finished, 2;

PROVIDENCE.

1	All industries	1,933	$83,513,679	$5,576,066	$9,284,019	$21,664,478	$46,989,116	2,145	2,766	$3,239,419	44,978	$19,998,362
2	Awnings, tents, and sails	4	39,300			9,300	30,000	5	5	3,000	44	30,159
3	Bicycle and tricycle repairing	35	49,302	600	850	21,198	26,654	39	2	870	58	27,600
4	Bicycles and tricycles	4	24,300	4,000	7,000	7,600	5,700	4	6	3,600	17	6,100
5	Blacksmithing and wheelwrighting	82	89,921	13,000	16,365	29,740	30,816	89	1	600	142	35,741
6	Bookbinding and blank book making	6	68,282			35,023	33,259	5	8	6,256	80	32,655
7	Boots and shoes, custom work and repairing.	104	35,091	800	850	14,801	18,640	107	1	676	74	33,154
8	Bottling	9	90,863	15,300	25,600	23,153	26,810	15	17	9,247	52	26,352
9	Boxes, fancy and paper	5	105,167	2,000	14,425	39,694	49,048	6	10	7,842	350	105,136
10	Boxes, wooden packing	5	104,269		11,000	26,725	66,544	11	1	600	114	51,662
11	Brass castings and brass finishing	7	143,063	12,000	26,960	21,997	82,106	6	9	9,988	79	22,303
12	Brassware	3	50,350	750	3,000	27,600	19,000	12	3	1,950	103	36,470
13	Bread and other bakery products	78	292,369	65,500	47,726	85,941	93,202	93	107	59,363	354	175,477
14	Bridges	3	35,681	3,000	1,500	21,500	9,681	4	4	3,328	67	29,568
15	Brooms and brushes	3	13,200			1,700	11,500	4			38	10,850
16	Buttons	3	29,116			20,500	8,616	2	4	2,464	28	8,501
17	Card cutting and designing	3	12,800			8,300	4,500	4	1	300	20	5,764
18	Carpentering	91	345,183	23,560	37,680	71,415	212,528	101	18	10,512	997	569,018
19	Carriage and wagon materials	3	5,065			2,865	2,200	3			4	2,448
20	Carriages and wagons	23	150,278	34,750	32,500	17,751	65,277	26	10	7,885	149	95,773
21	Clothing, men's, custom work and repairing.	106	299,774	3,100	4,400	17,108	275,166	112	18	16,160	521	255,937

BY SPECIFIED INDUSTRIES: 1900.

PAWTUCKET.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
7,464	$3,687,395	4,348	$1,374,723	969	$168,150	$2,040,261	$585,764	$146,245	$960,148	$348,104	$12,933,104	$12,545,761	$387,343	$24,080,828	1
8	4,800					1,457	1,296		161		10,030	9,839	191	20,269	2
34	20,747					3,308	2,703	277	328		24,099	22,752	1,347	70,840	3
14	6,250					3,813	3,669		144		13,796	13,421	375	41,706	4
76	42,991	10	3,812	21	3,320	6,464	3,612	419	2,433		145,530	142,128	3,402	264,344	5
53	18,556	65	17,567			2,738	1,733	50	955		51,733	48,678	3,055	128,390	6
653	254,473			1	156	84,105	4,649	556	8,389	70,511	589,969	588,314	1,655	1,044,427	7
24	12,395					971	472	288	211		13,342	12,942	400	30,025	8
23	16,964	23	7,983			3,534	3,054	60	420		20,871	20,455	416	67,666	9
5	2,970	115	36,531			5,528	4,967	92	469		24,045	23,650	395	104,930	10
30	12,411	8	2,150			4,557	4,086	26	445		48,990	48,114	876	92,179	11
1,455	657,610	1,933	665,335	466	84,514	782,047	451,950	70,295	209,802		2,326,041	2,187,859	138,182	4,935,309	12
168	70,100	332	101,868	108	21,300	26,276	8,800	2,012	11,391	9,073	372,750	366,585	6,165	700,146	13
951	449,836	239	68,353	119	18,299	101,189	4,325	18,826	83,038		640,581	543,677	96,904	1,600,916	14
49	26,080	30	9,073			26,125	1,600	1,448	23,077		626,845	623,029	3,816	746,928	15
5	1,768	2	612			646	85	10	551		5,869	5,637	232	12,700	16
1,012	560,588	1	273			76,515	12,078	9,828	54,614		855,405	833,555	21,850	1,833,879	17
13	6,507	4	1,475			1,358	1,216		142		10,890	10,754	136	27,125	18
23	9,773	222	58,828	52	8,625	18,277	3,295	855	14,627		520,961	518,169	2,792	686,828	19
126	67,760	54	11,475	2	250	4,507	2,295	812	1,400		338,259	334,354	3,905	597,981	20
2	850			1	475	593	586	7			774	733	41	5,500	21
138	79,847					2,039	205	109	925	800	96,741	96,608	133	207,300	22
		55	18,217	5	412	12,853	9,726		3,127		52,929	52,280	649	112,154	23
21	11,993					2,501	958	41	1,502		13,024	12,756	268	39,900	24
18	10,600					1,169	666	33	470		6,818	5,790	1,028	24,911	25
6	5,294					1,810	150	30	1,630		29,972	29,950	22	47,500	26
125	81,075	1	312	1	312	5,686	4,358	26	1,302		46,593	46,330	263	175,789	27
4	2,260					879	200	46	633		24,151	23,992	159	51,345	28
21	8,465					178		22	156		11,663	11,263	400	23,800	29
8	4,370	1	250			1,965	1,886		79		12,779	12,719	60	23,375	30
108	63,765					8,660	4,438	138	4,084		141,244	140,025	1,219	288,221	31
52	26,954	32	7,600	5	800	7,303	1,270	810	5,223		74,810	73,511	1,299	154,550	32
59	33,318	3	2,014			3,766	2,241	262	6,263		26,381	24,088	2,293	124,750	33
50	17,880					1,108	75	58	975		31,670	30,870	800	55,000	34
6	3,740					571	452	68	51		6,937	6,725	212	15,000	35
19	11,576					990	900	8	87		9,273	9,049	224	29,100	36
30	17,500	8	3,150			9,069	784	138	8,147		23,250	23,076	174	68,471	37
8	5,990					3,271	2,485	4	882		3,396	3,300	96	20,521	38
828	403,675	1,006	304,040	164	25,885	540,409	20,000	18,549	249,489	252,371	1,803,110	1,772,121	30,989	3,733,219	39
1,244	655,664	199	53,805	24	3,802	327,026	23,549	25,552	262,576	15,349	3,877,583	3,816,663	60,920	5,874,334	40

liquors, malt, 1; lithographing and engraving, 1; looking-glass and picture frames, 2; lumber and timber products, 1; lumber, planing mill products, including sash, doors, and blinds, 2; marble and stone work, 1; mattresses and spring beds, 1; mucilage and paste, 1; oil, cottonseed and cake, 1; oil, not elsewhere specified, 1; optical goods, 1; paper goods, not elsewhere specified, 2; paper hanging, 2; perfumery and cosmetics, 1; photographic apparatus, 1; photographic materials, 1; rubber and elastic goods, 1; sausage, 1; silk and silk goods, 1; slaughtering and meat packing, wholesale, 2; slaughtering, wholesale, not including meat packing, 1; soap and candles, 1; toys and games, 1; upholstering materials, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 1.

PROVIDENCE.

31,198	$16,009,629	12,090	$3,682,472	1,690	$306,261	$5,815,066	$777,303	$329,263	$4,272,366	$436,134	$46,357,130	$45,390,515	$966,615	$88,168,897	1
29	24,660	15	5,499			2,195	1,334		861		86,814	86,445	369	156,475	2
56	27,215			2	385	10,289	8,080	286	1,923		42,389	41,178	1,211	111,950	3
17	6,100					1,309	496	80	733		23,195	22,750	445	43,382	4
142	85,741					15,685	13,851	613	1,221		79,531	74,456	5,075	262,016	5
41	21,684	38	10,731	1	240	13,349	3,886	370	9,093		18,568	17,542	1,026	79,562	6
71	32,689	3	465			14,813	13,384	27	1,168	234	47,940	46,570	1,370	156,985	7
51	26,102			1	250	3,480	1,620	695	6,165		156,344	155,351	993	247,596	8
69	32,090	277	72,446	4	600	5,535	3,950	185	1,400		87,196	84,316	2,880	229,324	9
113	50,978	1	684			7,704	5,262	222	2,220		131,185	128,685	2,500	214,516	10
79	22,303					9,607	5,465	1,223	2,919		129,889	126,354	3,535	228,927	11
94	34,400	6	1,560	3	510	4,572	2,444	115	1,813	200	46,703	45,132	1,571	141,650	12
319	165,058	33	10,121	2	298	52,208	27,486	1,684	23,038		718,015	699,091	18,924	1,182,090	13
67	29,568					1,050	88	121	841		44,664	43,462	1,202	79,530	14
13	4,140	24	6,560	1	150	1,256	756		500		14,788	14,242	546	34,960	15
19	5,730	9	2,771			4,393	1,400		2,993		9,040	8,680	360	33,589	16
7	2,910	7	1,654	6	1,200	1,408	850	12	232	314	7,622	7,352	270	20,782	17
997	569,018					199,180	12,588	1,087	14,164	171,346	965,237	961,592	3,645	2,047,030	18
4	2,448					1,180	1,084		96		3,050	2,660	390	8,400	19
149	95,773					19,511	8,288	942	5,281	5,000	70,429	66,595	3,834	257,027	20
361	212,533	152	42,046	8	1,358	60,712	39,810	824	16,869	3,209	296,975	294,416	2,559	793,696	21

TABLE 8.—MANUFACTURES IN CITIES

PROVIDENCE—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
22	Clothing, women's, dressmaking	73	$103,546	$11,500	$22,500	$13,925	$55,621	78	4	$4,675	322	$109,904
23	Coffee and spice, roasting and grinding	3	36,250			5,650	30,600	4	4	5,000	9	4,332
24	Confectionery	26	49,647	2,000	7,000	19,625	21,022	31	19	5,707	74	32,088
25	Cotton goods	9	2,520,864	218,784	576,841	738,679	986,560		33	55,390	1,532	526,970
26	Cotton small wares	5	1,599,786	213,000	306,475	420,377	659,934	2	20	39,450	1,377	469,615
27	Dyeing and cleaning	11	8,470	1,000	2,000	4,070	1,400	11	2	576	25	10,528
28	Dyeing and finishing textiles	5	4,061,771	406,462	888,126	1,413,505	1,353,678	2	86	141,759	1,411	634,533
29	Electrical apparatus and supplies	9	234,864			39,256	195,608	8	11	10,918	127	54,260
30	Electrical construction and repairs	10	40,979			8,116	32,863	13	11	6,544	61	30,909
31	Electroplating	11	43,600			17,200	26,400	11	4	2,520	95	40,558
32	Enameling and enameled goods	19	104,563	2,000	4,500	18,266	79,797	27	14	12,976	387	116,563
33	Engraving and diesinking	26	40,258			24,775	15,483	29			86	43,716
34	Engraving, steel, including plate printing.	5	52,950	2,500	7,000	34,300	9,150	7	1	1,200	48	27,289
35	Files	5	962,786	128,535	190,980	214,756	428,465	4	46	57,581	637	284,182
36	Flavoring extracts	3	7,585		500	1,265	5,820	3	1	626	4	2,500
37	Food preparations	5	21,106	2,300	2,100	5,488	11,218	6	1	500	41	18,650
38	Foundry and machine shop products	82	12,638,246	1,423,789	1,953,839	3,590,038	5,670,580	70	400	569,104	6,276	3,868,215
39	Fur goods	4	12,780			930	11,850	6	1	800	16	8,854
40	Furniture, cabinetmaking, repairing, and upholstering.	31	154,840	425	6,800	15,390	132,225	30	4	2,832	107	71,130
41	Gas and lamp fixtures	4	31,600	800	5,200	7,100	18,500	7	2	1,440	30	15,128
42	Glass, cutting, staining, and ornamenting.	6	17,486			5,350	12,136	6	2	1,500	21	14,599
43	Gold and silver, reducing and refining, not from the ore.	10	505,957	36,200	53,800	48,850	367,107	16	22	24,050	70	43,884
44	Hairwork	5	5,260			335	4,925	6	1	1,150	6	2,777
45	Hand knit goods	3	2,000			250	1,750	3	1	800	2	1,150
46	Hand stamps	3	9,900			6,700	3,200	3			8	4,008
47	Hardware	5	167,737			26,300	141,437	4	8	3,568	44	17,040
48	Hats and caps, not including fur hats and wool hats.	4	9,850			2,400	7,450	4	7	5,820	35	14,530
49	Ivory and bone work	3	34,000	1,250	7,000	12,750	13,000	3	8	3,171	81	31,697
50	Jewelry	207	8,585,646	29,600	71,147	1,497,732	6,987,167	286	595	577,997	6,977	3,090,447
51	Labels and tags	3	30,400			19,500	10,900	2	2	1,850	22	9,470
52	Liquors, malt	3	1,767,673	96,923	405,828	746,146	518,776		31	50,398	111	80,764
53	Lock and gun smithing	13	12,595	500	200	7,030	4,865	15			12	6,513
54	Looking-glass and picture frames	9	30,180	3,500	1,000	2,450	23,230	10	2	1,500	21	8,634
55	Lumber, planing mill products, including sash, doors, and blinds.	10	150,450	7,000	8,500	38,850	96,100	12	7	6,300	157	77,050
56	Marble and stone work	9	189,970	50,000	23,880	77,015	39,075	10	5	4,845	156	103,376
57	Masonry, brick and stone	32	693,179	79,700	39,300	170,695	403,484	43	63	48,780	1,846	708,451
58	Mattresses and spring beds	4	31,825			4,545	27,280	5	5	2,888	43	16,811
59	Millinery, custom work	63	156,831	1,000	2,000	6,526	147,305	72	21	8,706	222	77,524
60	Mineral and soda waters	11	62,505	4,000	8,500	29,250	20,755	19	10	6,260	37	18,866
61	Models and patterns	5	7,204			2,891	4,313	5			15	9,576
62	Monuments and tombstones	8	75,350	28,500	9,400	3,700	33,750	9	2	1,600	44	17,713
63	Oil, not elsewhere specified	4	63,286			9,038	54,248	6	17	17,081	12	5,152
64	Oleomargarine	3	702,299	31,494	100,000	77,949	492,856		25	31,626	127	52,796
65	Optical goods	6	115,349	2,000	2,500	35,572	75,277	5	18	16,752	119	56,347
66	Painting, house, sign, etc	74	134,559	5,200	5,235	21,427	102,697	84	11	5,106	531	282,715
67	Paints	4	104,781	5,000	21,800	16,700	61,281	4	13	16,164	18	9,998
68	Paper goods, not elsewhere specified	3	25,211			12,754	12,457	4	1	1,340	25	6,666
69	Patent medicines and compounds	14	90,638	10,800	11,700	7,030	61,108	15	4	4,040	44	17,941
70	Paving and paving materials	8	131,590	11,386	22,300	31,666	66,238	8	9	7,864	151	55,645
71	Perfumery and cosmetics	3	11,755	2,000	3,880	615	5,260	3	1	2,500	5	1,910
72	Photography	20	56,054		500	28,204	27,350	23	3	4,176	62	30,697
73	Photolithographing and photoengraving.	3	6,800			3,800	3,000	3			13	7,150
74	Plastering and stuccowork	6	3,515			675	2,840	8			28	13,979
75	Plumbers' supplies	3	44,246	400	1,800	15,018	27,028	4	2	2,400	36	17,938
76	Plumbing, and gas and steam fitting	70	408,305	30,110	17,125	42,721	318,349	81	36	21,153	411	215,811
77	Printing and publishing, book and job.	47	421,297			234,760	186,537	56	48	53,539	446	201,182
78	Printing and publishing, newspapers and periodicals.	12	503,475	150,000	55,000	173,950	124,525	9	16	29,226	247	190,732
79	Roofing and roofing materials	6	70,868	7,250	7,000	6,183	50,435	7	10	8,535	73	33,654
80	Rubber and elastic goods	7	1,289,247	38,000	119,858	122,225	1,009,164	1	54	77,757	376	300,308
81	Saddlery and harness	24	92,504			14,115	78,389	22	18	12,597	60	34,399
82	Sausage	4	33,000			16,500	16,500	5	9	6,770	26	16,880
83	Ship and boat building, wooden	3	81,701	500	16,067	38,565	26,569	2	2	2,500	51	37,240
84	Shirts	4	7,900			1,850	6,050	7	3	2,000	22	7,800
85	Shoddy	4	126,250			90,500	35,750	8	2	2,400	61	25,960
86	Silversmithing	4	371,570			131,929	239,641	4	26	24,444	275	121,444
87	Silverware	8	5,127,714	125,000	410,000	1,157,116	3,435,598	7	126	146,489	1,540	978,198
88	Slaughtering and meat packing, wholesale.	3	252,720			11,500	241,220	3	16	17,636	122	58,024
89	Stencils and brands	3	5,325			3,600	1,725	3			8	3,730
90	Tinsmithing, coppersmithing, and sheet-iron working.	34	249,330	26,000	21,700	36,783	164,847	39	23	15,761	215	116,274
91	Tobacco, cigars and cigarettes	15	57,650	8,800	13,000	8,950	26,900	14	9	8,450	86	24,379

BY SPECIFIED INDUSTRIES: 1900—Continued.

PROVIDENCE—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
32	$16,139	289	$93,555	1	$210	$20,250	$15,695	$717	$3,838		$107,427	$106,157	$1,270	$302,134	22
6	3,432	3	900			5,920	1,560		4,360		100,769	99,105	1,664	142,211	23
61	28,349	12	3,545	1	194	11,413	7,609	280	3,524		122,172	120,577	1,595	224,029	24
630	239,620	773	261,943	129	25,407	116,770	5,248	14,323	63,012	$34,182	935,146	896,242	38,904	1,954,740	25
397	241,198	923	222,302	52	6,115	115,738	2,082	12,187	100,238	1,231	565,131	529,093	36,038	1,400,099	26
14	6,840	10	3,338	1	300	4,199	2,474	70	1,655		3,598	2,637	961	27,625	27
1,234	588,037	165	44,066	12	2,430	282,083	480	16,412	265,191		814,557	697,118	117,439	2,284,083	28
115	48,960	12	5,300			12,887	5,909	125	6,453	400	98,663	96,436	2,227	216,068	29
60	30,369	1	600			14,231	3,646		5,585	5,000	56,421	56,006	415	144,367	30
76	36,518	5	1,618	14	2,422	5,211	4,189	122	900		55,978	53,923	2,055	149,480	31
186	58,039	167	51,732	34	6,797	18,265	4,684	190	8,391		62,947	57,017	5,930	263,505	32
74	40,754	8	2,012	4	950	5,534	4,351	75	1,108		7,445	5,803	1,642	91,859	33
29	20,800	19	6,480			2,627	1,990	144	493		2,470	2,145	325	47,718	34
543	254,808	94	29,374			56,875	188	3,936	52,751		279,681	260,555	19,126	850,927	35
2	1,500	2	1,000			846	349	8	489		8,165	8,128	37	16,950	36
20	13,400	21	5,250			2,089	1,070	133	886		87,443	86,929	514	119,700	37
6,176	3,329,672	61	31,031	39	7,512	698,658	45,770	66,591	583,065	3,232	3,809,831	3,658,548	151,283	9,437,251	38
6	3,300	9	5,450	1	104	6,003	2,182	163	1,158	2,500	8,922	8,774	148	24,580	39
92	66,212	15	4,918			9,052	6,784	269	1,599	400	50,787	49,925	862	157,798	40
25	18,906	2	754	3	468	6,983	2,750	133	1,100	3,000	22,221	21,113	1,108	59,500	41
21	14,599					2,598	1,653	35	910		11,729	11,128	601	44,563	42
70	48,884					26,625	4,650	2,552	19,423		3,138,355	3,130,004	8,351	3,484,454	43
1	780	5	1,997			1,890	1,620		270		2,950	2,875	75	14,273	44
1	650	1	500			2,868	368		300	2,200	4,148	4,148		10,975	45
7	3,696	1	812			942	878		64		3,978	3,918	60	12,426	46
41	16,140	3	900			2,401	1,326	8	1,067		69,650	69,245	405	109,156	47
18	9,520	16	4,860	1	150	1,548	1,154	82	312		23,299	23,110	189	51,170	48
42	22,233	39	9,464			1,513	384	116	1,013		39,341	38,512	829	74,718	49
4,162	2,271,835	379	785,122	151	33,490	663,230	137,148	10,118	441,519	74,445	5,867,420	5,805,147	62,278	12,719,124	50
20	8,958	1	312	1	200	3,556	1,836		1,720		15,040	14,780	260	42,775	51
111	80,764					392,180		8,127	384,053		220,203	204,467	15,736	1,007,662	52
11	6,045	1	468			5,209	4,421	133	564	91	6,018	5,404	614	26,374	53
19	8,178	2	456			6,058	5,392	10	656		21,278	21,106	172	46,431	54
157	77,050					11,143	8,516	335	2,292		134,202	131,772	2,430	274,588	55
156	103,376					15,237	1,478	1,188	12,271	300	110,958	106,100	4,858	276,788	56
1,845	708,851			1	100	122,952	3,141	1,286	29,625	88,900	1,537,135	1,530,295	6,840	2,621,409	57
35	14,618	8	2,193			4,730	3,821	57	1,352		57,106	56,591	515	90,340	58
		221	77,894	1	130	50,302	44,425	1,117	4,760		200,353	199,362	991	148,059	59
37	18,866					7,877	2,171	277	5,429		33,601	32,459	1,142	88,350	60
15	9,576					1,201	1,065	8	128		1,979	1,548	431	20,755	61
44	17,713					9,279	425	534	2,820	5,500	25,118	24,494	624	68,837	62
12	6,152					16,766	3,180		13,586		127,368	126,723	645	199,545	63
111	47,856	16	4,940			121,912	1,000	1,460	119,452		912,912	906,610	6,302	1,345,133	64
83	46,271	34	9,634	2	442	11,589	4,248	76	7,265		82,131	81,115	1,016	215,838	65
529	282,015			2	700	16,882	13,666	81	3,135		130,554	129,751	803	548,672	66
17	9,890	1	108			5,688	1,259	313	4,116		106,660	104,777	1,883	166,818	67
3	1,980	22	4,686			2,416	1,615	32	769		18,792	18,532	260	36,020	68
21	11,307	23	6,634			16,696	4,983	918	10,645	150	57,312	56,827	485	147,739	69
151	55,645					15,870	172	527	15,171		57,403	54,572	2,831	156,523	70
2	1,186	3	724			4,358	60	97	4,201		7,577	7,535	42	23,148	71
30	18,381	32	12,316			13,451	10,286	24	3,141		29,046	28,497	549	107,167	72
11	6,800			2	350	1,400	670		730		2,751	2,555	196	21,000	73
27	18,829			1	150	1,008	956	7	45		3,232	3,155	77	21,650	74
36	17,933					7,719	1,700	61	5,958		21,182	20,862	320	69,536	75
408	215,420			3	391	37,411	19,594	645	16,872	6,300	386,436	376,675	3,761	831,581	76
320	170,739	108	27,336	18	3,107	52,091	19,272	336	22,667	9,816	250,706	242,920	7,786	667,328	77
239	136,900	6	3,474	2	358	91,284	4,819	4,231	78,935	8,299	98,454	93,961	4,493	576,247	78
73	38,654					5,394	900	216	4,078	200	55,336	55,186	150	123,303	79
418	162,600	449	135,967	9	1,741	187,319	14,400	3,001	169,918		1,511,039	1,491,509	19,520	2,269,694	80
60	34,399					10,828	7,492	32	3,154	150	63,486	62,537	949	145,398	81
26	16,380					3,465	2,810	174	481		104,517	102,741	1,776	145,268	82
51	37,240					2,867	1,070	353	1,444		20,650	20,355	295	80,904	83
1	520	21	7,280			1,345	910		435		13,312	13,102	210	35,630	84
60	25,700	1	260			18,177	9,320	347	8,510		297,150	287,650	9,500	359,431	85
214	110,159	54	10,504	7	781	25,006	6,020	517	18,469		193,557	192,123	1,434	414,782	86
1,438	955,721	92	20,931	10	1,546	105,514	6,240	7,915	91,359		1,667,883	1,667,394	20,489	3,834,408	87
119	57,188			3	336	30,597	7,668	32	22,847		1,155,026	1,148,601	6,425	1,316,220	88
6	3,424			2	306	1,744	1,250		254	240	1,866	1,750	116	11,000	89
215	116,274					20,769	10,693	750	6,973	2,353	158,298	155,649	2,649	396,983	90
40	11,973	46	12,406			21,413	2,007	456	18,950		50,899	50,433	466	168,356	91

TABLE 8.—MANUFACTURES IN CITIES

PROVIDENCE—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
92	Tools, not elsewhere specified	6	$41,850	$500	$2,500	$18,300	$20,550	7	3	$1,410	44	$21,040
93	Trunks and valises	3	6,350			1,000	5,350	4	1	208	11	6,635
94	Watch, clock, and jewelry repairing	50	49,280			18,250	31,030	55	5	1,865	60	38,945
95	Window shades	4	6,550			750	5,800	5	1	750	9	5,350
96	Wirework, including wire rope and cable.	6	44,060	1,900	2,000	14,060	26,100	5	7	5,002	52	19,881
97	Wood, turned and carved	6	51,200		500	18,750	31,950	6	1	850	28	9,600
98	Woolen goods	4	2,138,780	353,500	404,000	402,000	979,280	1	27	69,206	715	328,208
99	Worsted goods	11	19,367,409	968,761	1,661,630	3,929,281	12,807,737	4	131	293,744	7,967	2,813,014
100	All other industries[1]	100	13,963,448	867,837	1,549,652	5,104,505	6,441,454	93	407	513,156	4,516	1,994,757

[1] Embraces artificial limbs, 1; baking and yeast powders, 1; belting and hose, leather, 2; billiard tables and materials, 1; boot and shoe findings, 2; boot and shoe uppers, 1; boots and shoes, factory product, 2; boots and shoes, rubber, 2; chemicals, 2; cleansing and polishing preparations, 1; clothing, men's, factory product, 1; coffins, burial cases, and undertakers' goods, 1; combs, 1; cordials and sirups, 1; cork, cutting, 1; corsets, 1; cutlery and edge tools, 2; druggists' preparations, not including prescriptions, 2; dye stuffs and extracts, 1; emery wheels, 1; engraving, wood, 2; envelopes, 1; fancy articles, not elsewhere specified, 1; flouring and grist mill products, 2; fruits and vegetables, canning and preserving, 1; fur hats, 2; furniture, factory product, 2; gas, illuminating and heating, 1; gas machines and meters, 1; gloves and mittens, 1; gold and silver, leaf and foil, 2; grease and tallow, 1; hardware, saddlery, 2; hosiery and knit goods, 1; house-furnishing goods, not elsewhere specified, 1; instruments, professional and scientific, 1; iron and steel, forgings, 1; iron and steel, nails and spikes, cut and

WARWICK.

1	All industries	104	$8,418,838	$654,711	$2,337,068	$3,128,957	$2,297,597	110	69	$116,239	5,544	$1,853,462
2	Bicycle and tricycle repairing	3	4,600	100	1,500	650	2,350	8			2	696
3	Blacksmithing and wheelwrighting	22	22,590	5,025	8,000	3,520	6,045	23			17	8,009
4	Boots and shoes, custom work and repairing.	6	3,955	720	2,400	585	250	10			2	850
5	Bread and other bakery products	4	17,750	5,700	7,000	2,400	2,650	5	2	474	16	9,708
6	Clothing, men's, custom work and repairing.	3	584			220	364	3			2	1,150
7	Clothing, women's, dressmaking	6	3,285	300	500	465	2,020	6			7	1,641
8	Cotton goods	9	6,247,306	420,637	1,734,031	2,720,361	1,372,277	1	38	56,277	4,361	1,861,143
9	Flouring and grist mill products	3	57,200	8,500	12,500	9,100	27,100	3	1	624	8	2,963
10	Foundry and machine shop products	3	232,608	12,829	117,000	29,466	73,313	5	6	6,850	146	55,697
11	Millinery, custom work	11	21,668	2,400	7,050	568	11,650	11			14	5,436
12	Painting, house, sign, etc	4	699		75	274	350	4			6	2,228
13	Plumbing, and gas and steam fitting	3	3,100	200	500	800	1,600	3	1	400	7	4,244
14	Printing and publishing, book and job	3	13,700	2,200	3,800	6,500	1,200	3			5	2,090
15	Saddlery and harness	5	3,365	200	400	435	2,330	6			3	1,450
16	Watch, clock, and jewelry repairing	3	6,670	700	2,500	420	3,050	3	1	200	1	600
17	All other industries[1]	16	1,779,253	195,200	439,812	353,193	791,048	16	20	51,414	947	400,502

[1] Embraces boxes, wooden packing, 1; carpentering, 1; confectionery, 2; dyeing and finishing textiles, 2; furniture, cabinetmaking, repairing, and upholstering, 2; lumber, planing mill products, including sash, doors, and blinds, 1; mineral and soda waters, 1; monuments and tombstones, 2; photography, 1; tinsmithing, coppersmithing, and sheet-iron working, 2; woolen goods, 1.

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1	All industries	242	$14,279,861	$766,592	$3,201,245	$3,697,841	$6,613,683	257	166	$258,715	8,093	$3,080,280
2	Bicycle and tricycle repairing	6	9,112		100	3,095	5,917	6			11	2,995
3	Blacksmithing and wheelwrighting	11	20,680	2,687	4,663	3,505	9,825	12			19	10,888
4	Boots and shoes, custom work and repairing.	22	8,043			2,960	5,083	22			3	1,390
5	Bread and other bakery products	13	71,705	14,000	12,000	8,610	37,095	16	1	575	65	31,899
6	Carpentering	10	37,470	2,100	3,000	6,580	25,790	14	1	500	109	51,699
7	Carriages and wagons	5	40,543	8,050	6,100	7,900	18,493	5			38	18,475
8	Clothing, men's, custom work and repairing.	16	80,953			2,680	28,273	19			59	21,634
9	Confectionery	4	21,118	450	4,000	5,445	11,223	4			24	8,748
10	Cotton goods	5	4,278,613	422,000	1,362,258	1,618,850	880,505	1	29	71,060	2,496	820,780
11	Foundry and machine shop products	16	896,003	32,637	123,143	282,298	457,925	19	31	38,850	977	493,606
12	Hosiery and knit goods	7	844,389	44,000	152,116	216,117	432,156	3	14	16,598	495	163,964
13	Masonry, brick and stone	5	12,320	1,050	3,500	4,750	3,020	5			52	26,764
14	Millinery, custom work	13	27,110		3,250	490	23,370	12			54	16,773
15	Monuments and tombstones	3	9,755		300	700	8,755	5			6	4,620
16	Painting, house, sign, etc	11	29,004	2,400	1,800	1,840	22,964	11			56	26,742
17	Photography	4	6,635			2,175	4,460	4			5	2,359
18	Plumbing, and gas and steam fitting	10	93,363			10,950	82,413	13	3	1,764	65	32,026
19	Printing and publishing, book and job	4	86,850			30,000	6,850	3	2	1,050	25	12,180
20	Printing and publishing, newspapers and periodicals.	3	68,169			53,132	10,037		6	7,532	61	36,528
21	Saddlery and harness	5	6,938		800	678	5,460	5			5	2,378

BY SPECIFIED INDUSTRIES: 1900—Continued.

PROVIDENCE—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
43	$20,790	.....	.....	1	$250	$2,855	$1,305	$108	$1,442	.....	$5,322	$4,424	$898	$49,051	92
11	6,035	.....	.....	.....	.....	3,126	2,749	56	321	.....	12,057	11,976	81	27,075	93
57	38,219	3	$726	.....	.....	20,464	16,912	68	3,384	$100	80,938	29,830	1,108	149,731	94
7	4,650	2	700	.....	.....	1,753	1,278	.....	475	.....	8,053	8,637	16	22,774	95
46	18,241	1	728	5	912	3,423	1,340	146	1,437	500	44,644	43,511	1,133	89,465	96
28	9,600	.....	.....	.....	.....	2,215	1,354	93	768	.....	52,262	51,280	982	68,280	97
447	221,905	244	101,615	24	4,748	45,286	.....	6,247	39,039	.....	1,207,948	1,190,862	17,086	1,772,524	98
3,573	1,533,564	3,407	1,113,044	987	166,406	830,812	46,100	57,144	727,568	.....	11,087,271	10,881,861	205,410	16,603,252	99
2,976	1,568,764	1,402	394,726	138	31,267	895,744	51,506	92,398	745,498	6,342	4,605,301	4,503,572	101,729	9,170,080	100

wrought, including wire nails, 1; ironwork, architectural and ornamental, 2; jewelry and instrument cases, 1; kindling wood, 1; lapidary work, 2; lead, bar, pipe, and sheet, 2; leather goods, 1; leather, tanned, curried, and finished, 2; lithographing and engraving, 1; millinery and lace goods, 1; mucilage and paste, 2; musical instruments and materials, not specified, 1; musical instruments, organs and materials, 2; paper hanging, 2; pens, fountain and stylographic, 1; pens, gold, 1; pickles, preserves, and sauces, 2; plated and britannia ware, 1; regalia and society banners and emblems, 1; safes and vaults, 1; scales and balances, 1; screws, wood, 1; sewing machine repairing, 1; sewing machines and attachments, 2; silk and silk goods, 2; soap and candles, 2; sporting goods, 1; stamped ware, 1; steam fittings and heating apparatus, 2; stereotyping and electrotyping, 2; surgical appliances, 1; taxidermy, 2; typewriter repairing, 2; upholstering materials, 1; varnish, 1.

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3,233	$1,269,744	1,761	$482,687	550	$106,031	$330,774	$7,731	$32,350	$282,516	$8,177	$2,522,789	$2,345,466	$177,323	$6,197,506	1
2	696	.....	.....	.....	.....	398	340	.....	58	.....	2,743	2,712	31	4,600	2
17	8,009	.....	.....	.....	.....	1,795	1,511	93	180	11	10,693	10,290	403	37,282	3
2	850	.....	.....	.....	.....	167	132	14	21	.....	1,675	1,645	30	5,175	4
16	9,708	.....	.....	.....	.....	682	240	38	404	.....	20,971	20,256	715	52,128	5
1	700	1	450	.....	.....	298	270	.....	28	.....	2,325	2,300	25	5,500	6
.....	.....	7	1,641	.....	.....	1,125	1,009	19	97	.....	4,301	4,193	108	9,525	7
2,299	838,047	1,533	428,143	479	94,953	148,024	.....	27,705	120,319	.....	1,654,724	1,568,752	85,972	4,413,357	8
8	2,968	.....	.....	.....	.....	6,652	.....	122	210	6,320	97,988	97,610	378	119,120	9
137	55,165	9	582	.....	.....	3,306	1,583	700	1,023	.....	60,601	54,997	5,604	156,734	10
.....	.....	14	5,486	.....	.....	1,472	1,203	40	229	.....	23,689	23,496	193	42,075	11
6	2,228	.....	.....	.....	.....	325	240	.....	85	.....	2,023	1,984	39	6,500	12
7	4,244	.....	.....	.....	.....	474	330	.....	144	.....	7,960	7,770	190	15,900	13
3	1,420	2	670	.....	.....	123	72	28	23	.....	1,452	1,348	104	5,950	14
3	1,450	.....	.....	.....	.....	421	336	14	71	.....	2,422	2,397	25	5,951	15
1	600	.....	.....	.....	.....	208	30	118	60	.....	500	479	21	3,200	16
731	343,659	145	45,765	71	11,078	165,304	435	3,459	159,564	1,846	628,722	545,237	83,485	1,314,509	17

WOONSOCKET.

4,972	$2,212,008	2,635	$782,236	486	$86,036	$589,795	$60,679	$48,369	$423,657	$57,090	$7,563,204	$7,378,053	$185,151	$15,627,539	1
10	2,840	.....	.....	1	155	1,230	918	10	302	.....	4,752	4,442	310	12,683	2
19	10,888	.....	.....	.....	.....	1,166	789	124	203	50	9,231	8,878	353	31,988	3
3	1,390	.....	.....	.....	.....	2,144	1,913	11	220	.....	10,413	10,251	162	24,987	4
61	31,025	3	664	1	210	7,451	1,417	501	5,533	.....	83,360	79,895	3,465	165,815	5
109	51,699	.....	.....	.....	.....	8,114	526	42	1,121	6,425	107,084	106,969	115	213,596	6
38	18,475	.....	.....	.....	.....	2,371	804	297	1,270	.....	23,665	21,356	2,309	54,851	7
28	13,543	31	8,121	.....	.....	4,718	2,752	45	1,921	.....	35,839	35,665	174	86,355	8
15	6,467	9	2,281	.....	.....	4,166	2,564	84	1,258	260	25,915	25,253	662	47,251	9
1,064	408,851	1,092	348,749	340	63,180	106,522	5,000	27,044	73,878	.....	1,107,792	1,046,037	61,755	2,389,586	10
932	481,000	45	12,606	.....	.....	122,109	9,524	2,191	77,313	33,081	423,757	405,025	18,732	1,271,057	11
213	93,687	274	69,317	8	960	39,167	806	3,027	33,034	2,300	679,949	666,744	13,205	1,082,057	12
52	26,764	.....	.....	.....	.....	517	25	70	422	.....	18,398	18,398	.....	53,497	13
.....	.....	54	16,773	.....	.....	4,495	3,423	59	1,013	.....	45,462	45,298	164	91,485	14
6	4,620	.....	.....	.....	.....	734	548	7	179	.....	14,920	14,835	85	30,175	15
56	26,742	.....	.....	.....	.....	3,254	998	50	2,006	200	25,065	25,044	21	69,410	16
3	1,664	2	695	.....	.....	1,951	1,178	.....	773	.....	2,741	2,700	41	15,987	17
65	32,026	.....	.....	.....	.....	6,251	3,612	68	2,571	.....	70,284	69,783	501	131,258	18
23	11,530	2	650	.....	.....	1,864	924	32	908	.....	13,024	12,389	635	33,880	19
56	35,641	1	260	4	624	5,776	2,380	219	3,177	.....	9,470	8,190	1,280	78,892	20
5	2,378	.....	.....	.....	.....	1,066	788	16	262	.....	3,581	3,510	71	17,050	21

TABLE 8.—MANUFACTURES IN CITIES

WOONSOCKET—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES AND TOWNS.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
22	Tinsmithing, coppersmithing, and sheet-iron working.	6	$19,115	$1,000	$2,000	$6,050	$10,065	8	-------	----------	22	$10,498
23	Watch, clock, and jewelry repairing	4	1,800	----------	450	750	600	5	-------	----------	6	3,000
24	Wood, turned and carved	3	211,685	45,000	42,000	75,700	48,985	2	3	$2,700	185	58,700
25	Woolen goods	3	1,004,695	30,000	150,000	220,491	604,204	2	6	16,300	293	96,848
26	Worsted goods	9	2,433,844	86,693	465,212	532,722	1,349,217	11	29	48,497	1,170	457,032
27	All other industries[1]	44	4,064,449	74,625	864,553	604,373	2,520,998	50	41	53,289	1,852	667,724

[1] Embraces baskets, and rattan and willow ware, 1; belting and hose, leather, 1; bookbinding and blank book making, 1; boots and shoes, factory product, 2; boots and shoes, rubber, 2; bottling, 2; boxes, fancy and paper, 1; clothing, horse, 1; clothing, women's, dressmaking, 2; cotton small wares, 1; dyeing and cleaning, 1; electroplating, 1; fancy articles, not elsewhere specified, 1; felt goods, 1; flouring and grist mill products, 2; furnishing goods, men's, 1; furniture, cabinetmaking, repairing, and upholstering. 2; gas, illuminating and heating, 1; grease and tallow, 1; lock and gun smithing, 1; looking-glass and picture frames, 1; lumber, planing

TABLE 9.—MANUFACTURES IN CITIES AND

1	Total for cities and towns	1,225	$42,723,207	$3,379,352	$9,425,505	$10,521,248	$19,397,102	1,317	788	$899,947	22,372	$8,948,007
2	Bristol	72	3,919,260	122,800	747,612	927,239	2,121,609	79	78	93,743	2,009	828,366
3	Burrillville	64	2,922,075	208,250	312,931	393,090	2,007,804	64	49	68,576	1,865	739,988
4	Central Falls	134	3,389,256	292,880	698,390	987,387	1,410,599	138	69	84,647	2,092	800,852
5	Coventry	34	1,808,570	173,708	508,413	562,213	564,236	27	21	34,650	1,335	465,321
6	Cranston	38	1,884,867	286,818	590,362	419,441	588,246	36	49	72,660	644	326,790
7	Cumberland	27	4,488,459	308,600	1,851,093	905,287	1,423,479	29	35	52,931	1,688	660,997
8	East Greenwich	46	443,701	48,584	138,900	124,582	131,635	51	20	22,159	355	140,346
9	East Providence	48	2,261,080	188,467	280,342	413,472	1,428,799	55	48	52,930	901	366,729
10	Hopkinton	42	831,126	117,250	227,310	157,440	329,126	48	20	17,373	372	125,621
11	Johnston	18	2,026,139	75,175	157,741	491,240	1,301,983	18	43	45,732	729	230,348
12	Lincoln	41	6,134,320	277,952	1,577,048	1,417,747	2,861,573	39	48	99,020	2,645	990,769
13	Newport[1]	290	2,495,679	424,925	414,320	621,644	1,034,790	840	79	63,356	1,749	1,012,782
14	North Kingstown	60	1,182,406	183,010	132,405	254,096	612,895	63	30	23,329	508	211,197
15	North Smithfield	8	958,082	126,200	220,997	287,741	323,144	7	11	19,880	718	183,742
16	Scituate	33	1,264,223	118,350	268,615	359,510	517,748	33	14	26,948	600	190,739
17	Smithfield	16	325,938	33,175	79,079	123,301	90,378	17	4	2,350	203	73,519
18	South Kingstown	71	1,697,485	99,625	253,095	308,234	1,036,531	75	45	34,868	810	349,544
19	Tiverton	22	749,331	60,950	154,464	268,720	265,197	19	9	13,896	541	192,361
20	Warren	61	2,353,264	83,003	506,383	946,628	817,250	62	19	34,880	1,047	396,010
21	Westerly	105	1,587,951	199,630	306,005	552,236	530,080	122	52	36,019	1,561	661,986

[1] Population 22,034, but not considered a manufacturing city and therefore presented by totals only.

BY SPECIFIED INDUSTRIES: 1900—Continued.

WOONSOCKET—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
22	$10,498	------	------	------	------	$1,769	$786	$50	$933	------	$14,127	$13,736	$391	$89,423	22
6	3,000	------	------	------	------	242	160	4	78	------	1,089	1,012	77	6,427	23
172	57,440	------	------	18	$1,260	2,383	208	480	1,695	------	69,980	69,960	20	138,797	24
205	89,392	28	$7,456	------	------	26,514	300	493	24,669	$1,052	550,972	533,584	17,388	785,677	25
596	292,421	534	158,365	40	6,246	117,976	8,034	5,035	91,185	13,722	1,853,436	1,822,203	31,233	2,773,830	26
1,213	498,024	560	156,299	79	13,401	115,845	10,302	7,810	97,733	------	2,358,898	2,326,896	32,002	5,981,525	27

mill products, including sash, doors, and blinds, 1; millinery and lace goods, 1; mineral and soda waters, 2; optical goods, 1; paper goods, not elsewhere specified, 1; paper hanging, 1; patent medicines and compounds, 2; roofing and roofing materials, 1; sausage, 1; soap and candles, 2; sugar and molasses, refining, 1; tobacco, cigars and cigarettes, 1; vinegar and cider, 1; washing machines and clothes wringers, 1.

TOWNS UNDER 20,000 IN POPULATION: 1900.

14,185	$6,646,756	7,114	$2,106,810	1,078	$194,441	$2,598,194	$176,642	$166,504	$1,740,399	$514,649	$23,166,450	$22,598,042	$568,408	$41,624,006	1
1,104	551,227	794	270,596	51	6,548	317,878	5,422	7,907	298,744	5,800	2,028,612	1,982,737	45,875	3,670,251	2
1,220	534,533	557	188,711	88	16,744	256,248	49,489	6,440	147,330	53,039	2,574,503	2,538,253	36,250	4,089,160	3
1,198	567,408	809	216,102	85	17,842	221,472	14,312	20,819	78,204	108,137	2,119,055	2,065,048	54,007	3,749,783	4
747	318,395	453	125,636	135	21,290	52,115	1,790	7,527	42,798	------	947,899	926,885	21,014	1,645,699	5
588	309,725	53	15,940	3	1,125	440,164	2,054	11,596	398,463	28,051	691,408	627,528	63,880	1,603,464	6
998	491,735	585	147,594	105	21,668	53,425	1,224	11,600	40,601	------	656,578	630,373	26,205	1,909,553	7
253	112,097	90	26,178	12	2,071	23,864	3,099	1,835	18,930	------	312,869	288,101	24,768	663,416	8
661	304,903	240	61,826	------	------	265,293	6,787	3,216	252,790	2,550	4,341,767	4,315,199	26,568	5,487,101	9
288	106,678	77	17,733	7	1,210	29,180	1,785	3,633	14,719	9,043	255,273	248,522	6,751	506,209	10
318	135,905	345	85,443	66	9,000	88,745	7,478	2,511	77,821	935	1,924,454	1,903,911	20,543	2,619,146	11
1,331	591,053	1,145	365,466	169	34,250	105,449	4,533	38,262	59,579	3,075	1,817,256	1,734,275	82,981	3,743,875	12
1,532	944,589	207	66,178	10	2,015	357,015	50,159	8,599	72,444	225,813	1,406,811	1,372,125	34,686	3,442,988	13
360	168,914	185	39,908	13	2,375	38,200	2,944	3,553	26,603	5,100	618,450	604,801	13,649	1,100,426	14
436	116,505	248	59,443	34	7,794	46,938	1,280	2,867	42,791	------	242,830	226,845	15,985	534,224	15
318	115,587	214	63,480	73	11,672	61,956	661	6,229	9,595	45,471	289,342	282,370	6,972	638,146	16
131	53,639	58	18,525	14	1,355	11,564	892	1,314	9,358	------	196,939	192,155	4,784	311,728	17
554	270,197	219	72,629	37	6,718	72,995	2,946	3,443	51,806	14,800	885,192	867,019	18,173	1,536,535	18
335	142,759	156	43,992	50	5,610	25,655	490	6,208	12,622	6,335	292,850	278,178	14,172	730,398	19
569	252,564	397	124,380	81	19,066	73,315	4,091	10,043	57,131	2,550	753,470	727,657	25,813	1,047,365	20
1,189	558,343	332	97,050	40	6,593	56,228	15,806	8,902	28,670	3,950	811,392	786,060	25,332	1,934,544	21

SOUTH CAROLINA.

Table 1 shows the manufacturing and mechanical industries of the state of South Carolina as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by the manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

	DATE OF CENSUS.						PER CENT OF INCREASE.				
	1900	1890	1880	1870	1860	1850	1890 to 1900	1880 to 1890	1870 to 1880	1860 to 1870	1850 to 1860
Number of establishments	3,762	2,332	2,078	1,584	1,230	1,480	57.9	14.6	31.2	28.8	[1]14.0
Capital	$67,356,465	$29,276,261	$11,205,894	$5,400,418	$6,931,756	$6,053,265	130.1	161.3	107.5	[1]22.1	14.5
Salaried officials, clerks, etc., number	1,525	[2]1,914	(3)	(3)	(3)	(3)	[1]20.3				
Salaries	$1,327,052	[2]$1,116,244	(3)	(3)	(3)	(3)	18.9				
Wage-earners, average number	48,135	22,748	15,828	8,141	6,994	7,066	111.6	43.7	94.4	16.4	[1]1.0
Total wages	$9,455,900	$5,474,739	$2,836,289	$1,543,715	$1,380,027	$1,127,712	72.7	93.0	83.7	11.9	22.4
Men, 16 years and over	29,823	16,664	13,687	7,099	6,096	5,992	79.0	21.8	92.8	16.5	1.7
Wages	$6,921,355	$4,516,437	(3)	(3)	(3)	(3)	53.2				
Women, 16 years and over	9,752	3,775	1,023	578	898	1,074	158.3	269.0	77.0	[1]35.6	[1]16.4
Wages	$1,685,139	$736,696	(3)	(3)	(3)	(3)	128.7				
Children, under 16 years	8,560	2,309	1,118	464	(3)	(3)	270.7	106.5	140.9		
Wages	$849,406	$221,606	(3)	(3)	(3)	(3)	283.3				
Miscellaneous expenses	$3,111,587	$1,792,386	(4)	(4)	(4)	(4)	73.6				
Cost of materials used	$34,027,795	$18,873,666	$9,885,538	$5,855,736	$5,198,881	$2,787,534	80.3	90.9	68.8	12.6	86.5
Value of products, including custom work and repairing	$58,748,731	$31,926,681	$16,738,008	$9,858,981	$8,615,195	$7,045,477	84.0	90.7	69.8	14.4	22.3
Total population	1,340,316	1,151,149	995,577	705,606	703,708	668,507	16.4	15.6	41.1	0.3	5.3
Wage-earners engaged in manufactures	48,135	22,748	15,828	8,141	6,994	7,066	111.6	43.7	94.4	16.4	[1]1.0
Per cent of total population	3.6	2.0	1.6	1.2	1.0	1.1					
Assessed value of real estate	[5]$102,137,777	$90,042,723	$77,461,670	$119,494,675	$129,772,684	$105,737,492	13.4	16.2	[1]35.2	[1]7.9	22.7
Value of land and buildings invested in manufactures[6]	$15,316,413	$8,573,156	(3)	(3)	(3)	(3)	78.7				
Per cent of assessed value	15.0	9.5									

[1] Decrease.
[2] Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)
[3] Not reported separately.
[4] Not reported.
[5] As given in the Report of the Comptroller-General of the State of South Carolina, for the year 1900, page 145.
[6] Does not include value of rented property.

Although South Carolina is an agricultural state, Table 1 shows that there has been a considerable growth in its manufacturing and mechanical industries during the half century. The population during these years increased from 668,507 to 1,340,316, or 100.5 per cent, while the average number of wage-earners employed in manufacturing establishments increased from 7,066 to 48,135, or 581.2 per cent, embracing, in 1900, 3.6 per cent of the entire population, compared with 1.1 per cent in 1850. Probably the best indication of the importance of the wage-earning class is afforded by the greatest number employed at any one time during the year. In 1900 this was 62,908, or 4.7 per cent of the total population of the state. Measured by the value of products, the greatest percentage of increase, 90.7, was during the decade ending with 1890, although the greatest absolute increase was between the years 1890 and 1900.

South Carolina produces the raw material needed for several industries, and possesses excellent facilities for marketing products. Sailing and steam vessels, with a total tonnage of 86,757, engaged in foreign trade, cleared from the harbors of Charleston and Beaufort during the census year.[1] The Savannah River is navigable for 158 miles; the Santee, for its entire length; the Pedee, for 120 miles; the Congaree, nearly to the city of Columbia; and the Wateree, to Camden. The value placed upon water communication is indicated by the expenditure by the state, between the years 1816 and 1826, of $1,712,626 upon internal improvements, a large part of which amount was appropriated for building canals around the rapids of 5 of its rivers.[2] Since 1878, $6,063,692 has been expended by the United States Government upon 7 rivers and 3 harbors, and further improvements are contemplated.[3] The abundant waterpower, chiefly in the Piedmont region, in 1880 estimated to exceed 300,000 horsepower,[4] was neglected for years, but has been greatly developed during the past decade. In three instances electricity generated by waterpower is successfully transmitted to points where it has been found advantageous to locate mills. The first extensive use of electrically transmitted power in cotton manufacturing in the United States was made, it is claimed, at Columbia, where 1,340 horsepower is now developed, and the second, with 3,000 horsepower, at

[1] Treasury Department: Commerce and Navigation of the United States, 1900, Vol. I, page 1183.

[2] South Carolina, Resources, Population, Institutions, and Industries, by Harry Hammond, page 196.

[3] War Department: Report of the Chief of Engineers, 1900, Part 3, pages 1841 to 1876.

[4] South Carolina, Resources, Population, Institutions, and Industries, page 206.

Pelzer.[1] Coal is not mined in South Carolina, but the development of the Alabama fields in recent years[2] has benefited manufacturers dependent upon steam for power.

Table 1 shows that the number of children employed in manufacturing increased 270.7 per cent during the last decade, while the number of men increased only 79 per cent. There is no statute fixing the minimum age at which children may work in the mills, and, in some instances, such employees are under 12 years of age.[3] Many of the mills, however, have reading rooms and libraries for the use of their employees,[4] and nearly all contribute regularly to the support of the local schools. Answers from 65 cotton mills in 1901 show that they had invested $86,164 in school buildings and equipment, for the support of which they paid $44,802 in taxes annually, and $27,512 in special contributions, and the average school term in these localities was 8.86 months, or twice that in the other portions of the state.[5] The importance of technical education is much appreciated, and an agricultural and industrial college for boys and an industrial school for girls have been established during the last decade.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for governmental establishments, educational and eleemosynary institutions, and establishments with a product of less than $500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

[1] Transactions of the New England Cotton Manufacturers' Association, 1895, page 236.
[2] United States Geological Survey: Mineral Resources, 1899; Metallic Products, Coal, and Coke, page 358.
[3] Report of the Industrial Commission, 1900, Vol. VII, pages 484, 491, and 492.
[4] Ibid., page 482.
[5] Report of a Committee of Textile Manufacturers of South Carolina to the Legislature, September 10, 1901.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	COST OF MATERIALS USED.				Value of products, including custom work and repairing.
				Average number.	Total wages.		Total.	Purchased in raw state.	Purchased in partially manufactured form.	Fuel, freight, etc.	
Total	7,930	$70,056,299	8,625	55,117	$9,693,651	$3,151,237	$34,284,482	$21,891,507	$10,768,983	$1,628,992	$59,682,110
Hand trades[1]	785	840,607	877	1,597	465,604	104,886	1,081,801	172	1,049,738	31,891	2,323,574
Governmental establishments	2	901,603		107	48,467		27,867	600	24,198	3,069	89,311
Educational and eleemosynary institutions	3	18,800	1	7	3,140	381	15,598	1,490	12,189	1,919	23,627
Establishments with a product of less than $500	4,163	1,784,431	4,536	6,868	126,144	39,269	213,222	57,538	154,230	1,454	820,441
All other establishments	2,977	66,515,858	3,211	46,538	8,990,296	3,006,701	32,945,994	21,831,707	9,523,628	1,590,659	56,425,167

[1] Includes bicycle and tricycle repairing, 43; blacksmithing and wheelwrighting, 316; boots and shoes, custom work and repairing, 81; carpentering, 40; clothing, men's, custom work and repairing, 43; clothing, women's, dressmaking, 36; dyeing and cleaning, 6; furniture, cabinetmaking, repairing, and upholstering, 25; lock and gun smithing, 13; masonry, brick and stone, 2; millinery, custom work, 79; painting, house, sign, etc., 17; plumbing, and gas and steam fitting, 16; sewing machine repairing, 2; watch, clock, and jewelry repairing, 66.

Of the 7,930 establishments of all classes shown in this table, 4,948, or 62.4 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments, consisting principally of the sums received for custom work and repairing, amounted to $3,144,015, or only 5.3 per cent of the total value of the products of the state.

In addition to the 7,930 active establishments in the state during the census year, with a capital of $70,056,299, shown in Table 2, there were 58 idle establishments, with a capital of $115,115, divided as follows:

INDUSTRIES.	Number of idle establishments.	Capital.	INDUSTRIES.	Number of idle establishments.	Capital.
Brick and tile	8	$9,220	Lumber and timber products	7	$19,485
Chemicals	1	41,500	Lumber, planing mill products, including sash, doors, and blinds	2	5,750
Cotton, ginning	34	18,478	All other industries	5	5,592
Flouring and grist mill products	5	10,090			
Hosiery and knit goods	1	5,000			

The 8 leading industries of the state in 1900, as shown by Table 3, embraced 1,640 establishments, or 43.6 per cent of the total number in the state; used a capital of $58,538,373, or 86.9 per cent of the total; gave employment to 39,066 wage-earners, or 81.2 per cent of the total number; and paid $6,965,935, or 73.7 per cent of the total wages. The value of their products was $48,041,940, or 81.8 per cent of the total. In the discussion of Table 3 these industries are ranked with reference to the value of their products.

TABLE 3.—COMPARATIVE SUMMARY OF EIGHT LEADING INDUSTRIES.

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for selected industries for state	1900	1,640	$58,538,373	39,066	$6,965,935	$2,472,268	$29,272,774	$48,041,940
	1890	1,169	21,771,113	15,565	3,008,722	1,278,679	14,301,942	21,927,098
Increase, 1890 to 1900		471	36,767,260	23,501	3,957,213	1,193,584	14,970,832	26,114,842
Per cent of increase		40.3	168.9	151.0	131.5	93.3	104.7	119.1
Per cent of total of all industries in state	1900	43.6	86.9	81.2	78.7	79.5	86.0	81.8
	1890	49.1	74.4	68.4	55.0	71.3	75.8	68.7
Cotton goods	1900	80	39,258,946	30,201	5,066,840	1,507,324	17,263,882	29,723,919
	1890	34	11,141,833	8,071	1,510,494	528,208	6,819,320	9,800,798
Fertilizers	1900	22	10,505,043	1,772	479,449	675,589	3,107,710	4,882,506
	1890	20	5,920,218	1,102	336,385	490,335	2,764,407	4,417,658
Flouring and grist mill products	1900	556	652,553	281	70,458	15,742	1,958,658	2,347,790
	1890	512	984,791	630	86,416	31,354	1,726,896	2,083,126
Lumber and timber products	1900	729	5,187,727	4,585	897,899	107,445	2,629,805	5,207,184
	1890	352	1,848,155	2,590	420,588	93,717	996,289	2,146,750
Lumber, planing mill products, including sash, doors, and blinds	1900	53	412,128	495	146,539	20,042	621,831	1,016,328
	1890	27	350,471	370	132,017	16,606	396,242	711,888
Oil, cottonseed and cake	1900	50	1,959,872	734	143,932	127,402	2,362,337	3,103,425
	1890	17	565,372	416	56,354	59,136	740,605	927,772
Rice, cleaning and polishing	1900	18	293,385	112	25,243	9,862	856,790	973,132
	1890	6	354,400	143	37,700	26,767	190,800	315,056
Turpentine and rosin	1900	132	268,719	886	135,575	8,297	471,261	787,056
	1890	201	605,878	2,243	378,768	82,056	677,383	1,524,100

Table 3 shows that the manufacture of cotton goods is the most important industry in the state. The 80 establishments reported in 1900 gave employment to 30,201 wage-earners, or 62.7 per cent of the wage-earners employed in the state, and the products were valued at $29,723,919, or 50.6 per cent of the total value of the products of the state. In 1890 there were 34 establishments, 8,071 wage-earners, and products valued at $9,800,798. The increase in the value of products during the decade was $19,923,121, or 203.3 per cent.

Cotton manufacturing in South Carolina dates back nearly to the colonial period, but it is only during the last two decades that the remarkable advantages of the state for this industry have been demonstrated. A factory for weaving cotton homespun was established at Murray's Ferry, in Williamsburg county, by Scotch-Irish settlers, some years previous to 1790.[1] In 1860 there were 17 mills in the state, with products valued at $713,050; in 1870 there were 12 mills, with products valued at $1,529,937; and in 1880 the number of mills had increased to 14 and the value of products to $2,895,769. In the value of its cotton-mill products South Carolina, in 1870, 1880, and 1890, ranked second among the Southern states, Georgia ranking first, and among all the states in 1900 became second only to Massachusetts. During the decade from 1890 to 1900, the absolute increase in the value of its cotton-mill products was greater than that of any other state. As a rule, only the coarser grades of cotton goods are manufactured, and large quantities have been exported to China in recent years. A beginning has been made in the construction of mills which will gin the cotton, crush the seed, extract the oil, and manufacture the fiber into cloth. A plant of this kind, having a spinning capacity of 3,000 bales of cotton a year, has been erected at Edgefield. Three causes have contributed to the remarkable growth in the manufacture of cotton goods in South Carolina: abundant waterpower, low cost of living, and accessibility to the raw material. The superiority, in each of these particulars, of the Piedmont region, in the central and western parts of the state, has led to the construction in that section of the largest number of mills—Columbia, Union, Pelzer, Anderson, and Clifton being important centers. There were 876,545 commercial bales of cotton grown in South Carolina during the year 1899,[2] while the consumption of the local mills during the census year 1899–1900 was 485,024 bales. In spite of this large surplus in excess of local consumption, 119,100 bales of cotton were brought into the state during the census year, for the use of its mills, from North Carolina, Georgia, Alabama, and Mississippi.[3]

The manufacture of lumber and timber products ranks second among the industries of the state, with 729 establishments, 4,585 wage-earners, and products valued at $5,207,184. In 1890 there were 352 establishments, 2,590 wage-earners, and products valued at $2,146,750. The increase in the value of products during the decade was $3,060,434, or 142.6 per cent. Lumbering has always been an important industry in South Carolina. The state includes a part of the great longleaf pine forest of the South. Cypress, which ranks second in importance, is found chiefly in marshes and waste places, where it attains

[1] South Carolina, Resources, Population, Institutions, and Industries, page 574.

[2] See special report on Cotton Ginning, 1899.

[3] Department of Agriculture: The Cotton Crop of 1899–1900, page 19.

great size. Staves were for years the leading export.[1] During the census year the lumber industry was carried on largely in Berkeley, Lexington, Darlington, and Williamsburg counties, in the eastern and central parts of the state.

There were 22 establishments engaged in the manufacture of fertilizers in 1900, the industry third in rank, with 1,772 wage-earners, and products valued at $4,882,506. In 1890 there were 20 establishments, 1,102 wage-earners, and products valued at $4,417,658. The increase in the value of products during the decade was $464,848, or 10.5 per cent. The phosphate rock of South Carolina has long been famous; it was discovered in 1837 by Prof. Francis S. Holmes, who, however, was not able to demonstrate its value until 1867.[2] The first phosphate mining and manufacturing company was formed in that year, and for over twenty years the state was the chief source of the world's supply. In 1888 phosphate rock was discovered in Florida,[3] and the production there in 1899 was more than double that of South Carolina.[4] But South Carolina's large production of cottonseed meal, which is often combined with ground phosphate rock, and the large local demand for fertilizers in the growing of cotton, have enabled its fertilizer industry to hold its own.

There were 50 establishments engaged in the manufacture of cottonseed oil and cake in 1900, with 734 wage-earners, and products valued at $3,103,425. In 1890 there were 17 establishments, 416 wage-earners, and products valued at $927,772. The increase in the value of products during the decade was $2,175,653, or 234.5 per cent. This industry appeared in 1890 for the first time in the manufacturing statistics of South Carolina. In 1880 cottonseed was used almost exclusively as a fertilizer, but by 1883, 3 mills for the extraction of oil from the seed had been built, and the price of the seed rose from 10 or 12 cents per bushel to 18 cents.[5] The industry has developed extensively, although, of the 418,553 tons of seed grown in the state during the census year, 156,642 tons, or only 37.4 per cent, were crushed for oil extraction. Much of the seed which does not reach the oil mill is still used as a fertilizer.

There were 556 establishments engaged in the manufacture of flouring and grist mill products in 1900, with 281 wage-earners, and products valued at $2,347,790. In 1890 there were 512 establishments, 630 wage-earners, and products valued at $2,083,126. The increase in the value of products during the decade was $264,664, or 12.7 per cent. There were 3 merchant mills in South Carolina before the year 1800, located on Pinetree Creek. One of these had a daily capacity of 50 barrels of flour.[6] In 1870 and 1880 *flour and grist milling* was the leading industry in the state, using, in the latter year, nearly one-half of the waterpower developed for manufacturing purposes, and reporting products valued at $3,779,470. The industry has declined, and the production is no longer sufficient for local needs, Charleston being principally dependent upon the West for its supply of flour.[7]

There were 53 establishments engaged in the manufacture of planing mill products in 1900, with 495 wage-earners, and products valued at $1,016,328. In 1890 there were 27 establishments, 370 wage-earners, and products valued at $711,838. The increase in the value of products during the decade was $304,490, or 42.8 per cent.

There were 18 establishments engaged in the cleaning and polishing of rice in 1900, with 112 wage-earners, and products valued at $973,132. In 1890 there were 6 establishments, 143 wage-earners, and products valued at $315,056. The increase in the value of products during the decade was $658,076, or 208.9 per cent. More rice is grown on the extensive tidal marshes of South Carolina than in any other state, Louisiana excepted.[8] Rice culture began in South Carolina in 1694, the seed having been brought from Madagascar.[9] Rice, when gathered, is covered with a thick hull. This is broken off by pounding, and the fine powder which remains attached to the grains is removed by means of rotary brushes.[10] The power machines invented for this purpose in South Carolina have served as models, it is said, for the machines now used in this industry the world over.[11]

There were 132 establishments engaged in the manufacture of turpentine and rosin in 1900, with 886 wage-earners, and products valued at $787,656. In 1890 there were 201 establishments, 2,243 wage-earners, and products valued at $1,524,100. The decrease in the value of products during the decade was $736,444, or 48.3 per cent. This decrease is due to the partial exhaustion of the forests. The value of products reported in 1900 is only slightly greater than that shown for 1870.

Table 4 shows the totals for the manufacturing and mechanical industries of the city of Charleston, as returned at the censuses of 1880, 1890, and 1900, with the percentages of increase.

[1] Charleston, Her Commercial and Manufacturing Advantages, by J. E. Land, page 34.
[2] Ibid., page 62.
[3] United States Geological Survey: Mineral Resources of the United States, 1899; Nonmetallic Products, except Coal and Coke, page 484.
[4] Ibid., page 482.
[5] South Carolina, Resources, Population, Institutions, and Industries, page 597.
[6] South Carolina, Resources, Population, Institutions, and Industries, page 574.
[7] Charleston, Her Commercial and Manufacturing Advantages, page 33.
[8] Department of Agriculture, Division of Botany, Bulletin No. 22, 1899, page 9.
[9] Ibid., page 8.
[10] Ibid., page 34.
[11] South Carolina, Resources, Population, Institutions, and Industries, page 574.

TABLE 4.—COMPARATIVE SUMMARY, CHARLESTON, 1880, 1890, AND 1900, WITH PER CENT OF INCREASE.

	DATE OF CENSUS.			PER CENT OF INCREASE.	
	1900	1890	1880	1890 to 1900	1880 to 1890
Number of establishments	364	566	194	[1]35.7	191.8
Capital	$12,473,187	$7,345,459	$1,718,300	69.8	327.5
Wage-earners, average number	5,027	4,684	2,146	7.3	118.3
Total wages	$1,489,966	$1,779,789	$639,030	[1]16.3	178.5
Miscellaneous expenses	$796,573	$464,172	([2])	71.6	-------
Cost of materials used	$5,633,578	$4,758,396	$1,468,375	18.5	223.7
Value of products, including custom work and repairing	$9,562,387	$9,005,421	$2,732,590	6.2	229.6

[1] Decrease. [2] Not reported.

It appears from Table 4 that the number of establishments in the city of Charleston decreased during the decade ending with 1900 from 566 to 364, or 35.7 per cent, while the average number of wage-earners increased from 4,684 to 5,027, or 7.3 per cent, and the value of products increased from $9,005,421 to $9,562,387, or 6.2 per cent. The number of establishments, number of wage-earners, and value of products, in this city in 1900, constituted 9.7, 10.4, and 16.3 per cent, respectively, of the totals for the state.

Table 5 presents the totals for the manufacturing industries of the 12 cities and towns withdrawn from the enumerators, places them in comparison with the totals for the entire state and the state exclusive of these cities and towns, and shows their rank in population and in value of products.

TABLE 5.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	Cost of materials used.	PRODUCTS.			POPULATION.		
				Average number.	Total wages.			Value.	Rank.	Per cent of total.	Total.	Rank.	Per cent of total.
Total for state	3,762	$67,356,465	4,088	48,135	$9,455,900	$3,111,587	$34,027,795	$58,748,781	-------	100.0	1,340,316	-------	100.0
Total for urban manufactures	836	27,770,884	856	16,231	3,761,380	1,592,991	13,521,451	23,014,527	-------	39.2	136,514	-------	10.2
Anderson	52	1,280,111	65	910	166,313	58,753	637,879	1,127,483	6	1.9	5,498	6	0.4
Beaufort	18	34,331	18	29	6,333	2,146	21,894	46,981	12	0.1	4,110	10	0.3
Camden	26	304,289	26	349	61,769	25,845	125,826	241,632	11	0.4	2,441	12	0.2
Charleston	364	12,473,187	363	5,027	1,489,966	796,573	5,633,578	9,562,387	1	16.3	55,807	1	4.2
Chester	26	480,624	31	584	114,108	41,367	376,980	645,444	8	1.1	4,075	11	0.3
Columbia	92	5,277,306	39	3,250	759,200	330,626	2,474,628	4,243,030	2	7.2	21,108	2	1.6
Greenville	64	2,858,388	65	2,153	370,392	94,417	1,414,574	2,224,990	3	3.8	11,860	3	0.9
Newberry	34	1,336,625	32	811	175,178	91,724	640,204	1,200,892	5	2.1	4,607	8	0.3
Orangeburg	34	239,635	37	284	65,486	15,303	313,582	493,860	10	0.8	4,455	9	0.3
Rock Hill	29	826,941	25	1,050	197,080	28,827	566,703	1,007,216	7	1.7	5,485	7	0.4
Spartanburg	45	2,351,175	48	1,375	276,042	33,721	923,217	1,630,275	4	2.8	11,395	4	0.9
Sumter	52	308,272	57	409	79,013	23,689	392,386	590,337	9	1.0	5,673	5	0.4
Total for state exclusive of urban manufactures	2,926	39,585,581	3,232	31,904	5,694,520	1,518,596	20,506,344	35,734,204	-------	60.8	1,203,802	-------	89.8
Per cent of urban manufactures to total for state	22.2	41.2	20.9	33.7	39.8	51.2	39.7	39.2	-------	-------	10.2	-------	-------

Of the 3,762 establishments in the state, 836, or 22.2 per cent, were located in these 12 cities and towns. The capital reported for these establishments was $27,770,884, or 41.2 per cent of that for the entire state. They furnished employment to 16,231 wage-earners, or 33.7 per cent of the total number, and the value of their products, $23,014,527, formed 39.2 per cent of the total for the state.

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the cities of Charleston and Columbia by specified industries.

Table 9 shows the totals for all industries in the cities and towns withdrawn from the enumerators, exclusive of those shown in Table 8.

TABLE 6.—MANUFACTURES

	COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	The State	3,762	$67,356,465	$3,448,643	$11,867,770	$26,096,931	$25,943,121	4,088	1,525	$1,827,052	48,135	$9,455,900
2	Abbeville	82	963,924	33,613	221,218	458,117	250,976	88	27	18,725	637	147,417
3	Aiken	85	3,559,745	156,138	1,024,372	1,360,352	1,018,883	95	34	48,718	2,498	487,303
4	Anderson	167	3,622,904	88,863	507,551	1,719,712	1,306,778	177	77	64,740	3,396	603,360
5	Bamberg	36	295,931	18,150	41,858	188,268	47,655	34	6	4,600	304	52,148
6	Barnwell	106	331,824	103,652	39,742	138,684	49,746	113	12	4,018	389	60,135
7	Beaufort	41	1,188,332	16,280	111,316	77,874	982,912	44	29	34,250	443	91,812
8	Berkeley	53	575,780	88,127	27,260	147,450	312,943	55	33	16,657	383	87,916
9	Charleston	417	13,217,940	643,578	2,129,296	1,980,286	8,464,780	428	279	292,696	5,289	1,525,461
10	Cherokee	48	2,874,358	81,639	379,926	1,118,858	793,935	45	43	44,728	1,579	284,090
11	Chester	75	647,554	32,022	123,101	297,745	194,686	88	29	15,100	802	150,481
12	Chesterfield	72	115,752	30,037	12,078	57,490	16,147	88	3	860	126	19,943
13	Clarendon	56	503,068	44,375	140,983	171,590	146,120	57	31	23,373	289	67,263
14	Colleton	69	732,890	52,864	110,418	234,315	335,293	88	20	12,120	475	74,034
15	Darlington	67	1,471,839	177,981	197,231	573,527	523,100	70	33	29,485	797	139,213
16	Dorchester	38	115,490	21,065	8,545	47,580	38,300	47	11	5,075	309	63,113
17	Edgefield	50	223,734	10,233	52,811	110,233	50,457	51	7	5,432	253	54,244
18	Fairfield	39	461,121	92,122	61,811	234,745	72,443	45	11	9,292	343	64,958
19	Florence	81	274,203	35,730	45,030	125,130	68,313	93	27	14,895	492	126,890
20	Georgetown	34	587,079	174,395	47,880	177,278	187,526	39	20	19,960	351	65,840
21	Greenville	182	4,698,325	164,560	838,560	2,032,890	1,662,315	187	99	98,887	4,277	684,304
22	Greenwood	76	957,473	26,790	194,205	501,574	234,904	87	29	20,213	722	137,456
23	Hampton	55	173,800	44,104	16,138	86,288	27,270	69	15	6,875	415	81,322
24	Horry	72	245,178	83,218	21,593	76,304	64,063	71	26	10,664	215	48,599
25	Kershaw	83	439,047	79,692	73,210	198,236	87,909	102	12	6,122	598	117,074
26	Lancaster	41	358,821	10,950	73,315	204,336	70,220	50	6	5,740	472	77,946
27	Laurens	90	540,566	32,746	110,673	288,538	108,609	121	38	26,580	1,066	188,511
28	Lexington	154	1,271,491	175,288	163,014	577,842	355,347	175	25	14,075	908	173,648
29	Marion	85	238,949	19,948	37,335	141,963	39,703	86	22	10,790	408	75,992
30	Marlboro	112	1,129,980	45,158	170,118	624,813	289,891	111	31	16,539	1,217	169,403
31	Newberry	86	1,416,868	32,888	276,353	422,545	685,082	96	31	20,540	891	187,529
32	Oconee	133	902,145	27,970	230,916	406,553	236,706	138	28	17,237	931	144,163
33	Orangeburg	171	495,347	73,386	63,888	222,995	135,078	184	21	12,180	583	110,571
34	Pickens	87	390,476	22,245	90,724	196,280	81,227	102	14	7,735	411	73,156
35	Richland	130	5,422,615	174,140	1,028,865	2,554,237	1,665,373	132	96	114,992	3,479	818,039
36	Saluda	26	61,690	5,980	8,685	31,720	15,355	30	4	1,800	60	9,585
37	Spartanburg	178	11,059,468	285,233	2,078,846	5,184,333	3,511,056	184	138	149,598	7,176	1,277,065
38	Sumter	143	502,114	29,215	62,067	307,582	103,250	159	32	18,265	647	134,299
39	Union	51	3,287,134	44,610	601,835	1,591,479	1,049,210	50	36	42,643	1,786	310,123
40	Williamsburg	33	421,825	137,539	36,947	162,338	85,001	97	27	14,541	433	83,315
41	York	108	2,129,685	32,219	408,056	1,064,851	624,559	112	63	46,967	2,285	393,199

TABLE 7.—MANUFACTURES BY

1	All industries	3,762	$67,356,465	$3,448,643	$11,867,770	$26,096,931	$25,943,121	4,088	1,525	$1,827,052	48,135	$9,455,900
2	Agricultural implements	5	14,575	450	1,750	2,975	9,400	7	------	------	10	2,606
3	Awnings, tents, and sails	3	1,750	------	------	410	1,340	3	------	------	2	1,280
4	Baskets, and rattan and willow ware	4	105,700	15,000	24,759	6,390	59,551	2	10	9,486	203	22,126
5	Bicycle and tricycle repairing	43	50,588	4,650	7,700	15,850	22,388	54	4	1,250	58	15,921
6	Blacksmithing and wheelwrighting	316	179,305	31,247	29,158	42,060	76,840	360	------	------	299	69,287
7	Boots and shoes, custom work and repairing.	31	30,517	3,730	3,690	7,427	15,670	33	------	------	42	10,263
8	Bottling	3	25,300	1,500	1,300	8,000	14,500	3	1	500	24	9,300
9	Bread and other bakery products	35	285,218	47,250	89,050	24,155	124,763	39	27	12,446	246	75,983
10	Brick and tile	76	340,960	42,680	50,130	106,961	141,189	107	41	19,606	1,145	211,106
11	Carpentering	40	124,765	7,950	13,735	31,280	71,800	40	10	5,270	549	185,757
12	Carriages and wagons	59	317,550	72,597	52,316	30,572	162,065	61	15	12,780	356	95,950
13	Cars and general shop construction and repairs by steam railroad companies.	6	354,842	24,050	86,883	78,903	165,056	------	27	21,379	776	363,041
14	Clothing, men's, custom work and repairing.	43	69,510	10,300	14,800	6,006	38,404	48	3	3,600	113	43,266
15	Clothing, men's, factory product	5	128,000	1,000	500	8,000	118,500	7	12	5,117	176	37,401
16	Clothing, women's, dressmaking	36	20,375	3,800	4,700	4,145	7,730	39	------	------	113	17,149
17	Coffins, burial cases, and undertakers' goods.	3	72,028	4,000	7,983	10,695	49,350	4	4	3,600	58	14,460
18	Confectionery	7	14,170	1,000	2,500	3,820	7,350	8	------	------	12	2,208
19	Cooperage	15	140,549	10,520	21,505	50,910	57,614	13	6	9,120	134	30,350
20	Cotton, compressing	3	274,000	47,000	104,000	77,000	46,000	------	1	1,000	55	15,512
21	Cotton, ginning[1]	670	968,658	31,019	179,723	745,091	12,825	775	36	6,695	879	122,776
22	Cotton goods	30	39,258,946	305,742	7,705,755	18,748,418	11,999,031	5	415	537,193	30,201	5,066,840
23	Dyeing and cleaning	6	9,585	------	------	4,100	5,485	6	------	------	8	2,740
24	Fertilizers	22	10,505,043	109,441	1,642,600	487,117	8,265,885	5	85	164,716	1,772	479,449
25	Flouring and grist mill products	556	652,553	50,195	153,614	383,934	64,810	531	22	8,843	281	70,458
26	Foundry and machine shop products	26	316,166	41,300	42,500	114,441	117,925	27	18	17,316	324	141,283

[1] Does not include many ginneries operated in connection with saw, grist, and cottonseed-oil mills, or for the use exclusively of plantations on which they are located. For the full number of ginneries in operation reference should be made to the special report on cotton ginning.

BY COUNTIES: 1900.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
29,823	$6,921,355	9,752	$1,685,139	8,560	$849,406	$3,111,587	$141,258	$391,065	$2,465,245	$114,019	$34,027,795	$32,924,236	$1,103,559	$58,748,731	1
384	114,906	118	23,220	135	9,291	36,954	1,993	3,686	31,045	230	504,502	486,137	18,365	834,508	2
1,438	295,421	732	132,966	328	58,916	122,336	4,861	20,783	96,683	9	1,563,492	1,509,068	54,424	2,996,274	3
1,709	360,384	827	153,265	860	89,711	200,287	5,553	21,765	171,119	1,850	2,306,962	2,230,325	76,637	4,005,526	4
194	37,301	55	9,244	55	5,603	8,509	483	2,472	5,442	112	134,161	124,056	10,105	281,611	5
328	51,535	34	5,740	27	2,860	13,865	1,503	1,832	10,130	400	244,919	238,245	6,674	432,192	6
405	89,147	30	1,865	8	800	83,149	1,591	9,529	72,029	----------	389,403	371,271	18,132	703,957	7
380	87,786	----------	----------	3	180	22,743	1,130	1,536	20,077	----------	280,752	279,690	1,062	559,182	8
4,215	1,374,117	804	135,087	220	16,257	861,963	45,886	36,612	658,094	11,371	5,693,011	5,555,137	137,874	9,714,495	9
790	193,026	339	54,341	450	36,723	113,762	3,293	21,020	89,449	----------	819,759	763,740	56,019	1,588,258	10
487	107,023	187	31,065	128	12,393	44,665	1,229	5,562	37,874	----------	585,672	557,885	27,787	955,075	11
124	19,783	----------	----------	2	160	2,238	753	572	913	----------	120,718	119,721	997	188,089	12
238	55,971	23	7,932	28	3,360	7,972	164	2,598	5,210	----------	179,057	176,314	2,743	365,948	13
392	66,292	34	4,711	49	3,031	34,938	499	4,302	30,137	----------	326,213	320,575	5,638	523,565	14
554	115,437	111	13,794	132	9,982	39,735	1,316	6,349	23,070	9,000	675,069	639,283	35,786	1,181,608	15
304	62,598	1	150	4	365	4,117	980	752	2,375	60	105,427	98,542	6,885	230,549	16
177	40,361	53	10,026	23	3,857	6,724	675	1,453	4,421	175	177,672	167,507	10,165	291,684	17
287	46,220	39	8,738	67	10,000	8,380	332	1,768	6,235	----------	143,888	135,048	8,840	291,128	18
458	124,350	33	2,500	1	40	11,748	1,423	2,379	7,946	----------	323,244	316,451	6,793	578,822	19
282	59,930	44	3,940	25	1,970	10,126	349	1,682	8,095	----------	367,283	363,667	3,616	571,539	20
2,266	441,813	1,041	159,051	970	83,940	199,111	6,942	23,270	165,049	3,850	2,836,730	2,770,370	66,360	4,559,329	21
419	87,588	155	35,798	148	14,070	30,350	1,776	6,356	21,608	610	510,836	487,730	23,106	941,896	22
407	80,704	----------	----------	8	618	3,714	449	1,146	2,119	----------	179,251	178,076	1,175	373,801	23
201	46,654	----------	----------	14	1,945	3,700	504	1,117	1,829	250	201,001	201,740	2,261	356,060	24
515	103,104	49	8,123	34	5,847	28,934	1,341	2,640	24,688	265	357,540	346,322	11,218	634,688	25
211	44,041	108	17,100	153	16,805	21,391	410	2,109	18,412	460	267,816	258,377	9,439	471,250	26
616	100,650	198	55,648	252	32,204	44,214	4,973	4,905	34,336	----------	546,694	518,518	28,176	1,027,478	27
716	153,416	79	10,757	113	9,475	19,587	1,347	2,210	15,160	870	505,507	480,674	24,833	923,571	28
316	62,875	20	4,217	72	8,870	9,938	794	1,899	7,145	100	244,481	234,689	9,792	419,466	29
591	103,284	393	50,409	238	15,710	36,498	2,717	3,658	30,123	----------	688,149	659,150	28,999	1,065,285	30
535	114,743	206	53,484	150	19,302	92,813	3,478	9,151	80,184	----------	781,812	704,618	27,194	1,339,455	31
576	100,270	206	34,607	149	9,291	28,116	820	3,886	23,410	----------	389,519	383,328	6,191	775,158	32
497	96,221	47	9,550	39	4,800	20,565	2,553	4,455	13,557	----------	455,677	443,749	11,928	836,167	33
265	52,877	78	12,390	68	7,889	23,520	1,000	1,729	20,766	25	239,755	231,709	8,046	435,644	34
2,337	651,448	569	112,032	543	49,559	348,872	21,486	25,050	250,086	52,250	2,545,571	2,441,868	103,703	4,454,991	35
55	8,870	3	620	2	95	2,075	53	307	1,715	----------	55,593	53,918	1,675	88,605	36
3,403	755,855	1,894	328,201	1,874	193,009	392,183	4,011	62,529	293,771	31,872	5,276,811	5,152,488	124,323	8,308,778	37
567	121,850	58	10,429	22	2,020	29,786	6,885	2,973	19,678	250	558,598	541,921	16,677	922,236	38
636	174,263	537	82,015	613	53,850	120,894	2,298	19,385	99,211	----------	1,034,748	995,006	39,742	1,976,397	39
470	82,065	----------	----------	13	1,250	19,902	935	5,370	13,597	----------	276,469	273,295	3,174	476,209	40
1,093	237,717	647	102,124	545	53,358	61,263	2,523	10,278	48,457	10	1,181,033	1,114,028	67,005	2,066,257	41

SPECIFIED INDUSTRIES: 1900.

29,823	$6,921,355	9,752	$1,685,139	8,560	$849,406	$3,111,587	$141,258	$391,065	$2,465,245	$114,019	$34,027,795	$32,924,236	$1,103,559	$58,748,731	1
10	2,606	----------	----------	----------	----------	931	300	31	600	----------	5,394	5,223	171	14,090	2
2	1,280	----------	----------	----------	----------	258	228	----------	30	----------	4,705	4,705	----------	8,400	3
188	21,100	----------	----------	15	1,026	13,504	1,635	1,040	10,829	----------	43,629	42,814	815	106,792	4
50	14,579	----------	----------	8	1,342	7,589	5,568	480	1,541	----------	51,815	50,956	859	117,289	5
280	68,457	----------	----------	13	830	13,376	8,778	1,893	2,600	105	108,225	99,239	8,986	359,431	6
36	10,037	----------	----------	6	226	6,426	4,658	688	1,055	25	26,437	25,899	538	84,059	7
24	9,800	----------	----------	----------	----------	1,313	800	363	150	----------	91,460	91,435	25	142,500	8
219	72,550	18	2,545	9	888	17,110	5,558	3,754	7,798	----------	323,390	318,264	5,126	524,908	9
1,085	235,294	5	563	55	5,249	25,162	7,474	3,095	13,893	700	131,615	17,784	113,831	573,438	10
545	185,507	1	100	3	150	30,639	2,284	1,284	1,871	25,200	513,408	512,535	873	863,387	11
331	91,650	7	2,000	18	2,300	15,995	2,118	2,540	11,328	9	211,039	207,247	3,792	428,082	12
774	362,681	2	360	----------	----------	12,555	----------	4,508	8,047	----------	294,334	286,099	8,235	691,361	13
101	40,966	7	1,851	5	449	6,958	3,982	636	1,990	350	68,384	67,266	1,118	173,659	14
15	6,250	158	30,668	3	483	14,656	1,720	865	1,500	10,571	186,889	186,529	360	306,250	15
2	468	97	15,995	14	686	4,372	3,002	310	1,060	----------	26,761	26,446	315	69,045	16
58	14,460	----------	----------	----------	----------	3,203	500	353	2,350	----------	33,115	31,790	1,325	63,725	17
2	824	7	1,184	3	200	2,035	1,756	208	71	----------	17,086	16,662	424	34,200	18
132	30,250	----------	----------	2	100	4,750	202	1,148	3,150	250	90,600	90,551	49	168,449	19
56	15,512	----------	----------	----------	----------	8,745	200	5,900	2,645	----------	3,675	775	2,900	46,000	20
370	121,693	7	935	2	150	16,393	1,573	5,966	8,854	----------	92,195	53,408	38,787	573,323	21
13,418	2,785,285	8,678	1,477,621	8,110	803,934	1,507,824	----------	206,355	1,267,597	33,872	17,263,882	16,652,680	611,202	29,723,919	22
7	2,240	1	500	----------	----------	1,177	828	122	227	----------	1,556	1,288	268	9,100	23
1,772	479,449	----------	----------	----------	----------	675,589	1,050	53,200	621,339	----------	3,107,710	3,018,924	88,786	4,882,506	24
281	70,458	----------	----------	----------	----------	15,742	2,094	5,427	8,161	60	1,958,658	1,943,070	15,588	2,347,790	25
320	140,813	----------	----------	4	470	16,758	2,326	2,935	11,497	----------	166,849	157,027	9,822	403,493	26

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
27	Fruits and vegetables, canning and preserving.	12	$23,862	$1,525	$2,075	$6,718	$13,544	13	6	$1,030	64	$7,410
28	Furniture, cabinetmaking, repairing, and upholstering.	25	20,929	3,300	7,300	2,800	7,529	29	1	600	26	6,797
29	Gas, illuminating and heating	4	961,033	42,000	81,067	664,237	173,729	------	23	11,649	104	30,127
30	Hosiery and knit goods	6	345,212	4,112	43,200	200,000	97,900	3	15	13,520	359	73,872
31	Ice, manufactured	13	407,400	25,225	102,550	241,000	38,625	7	13	10,182	73	23,781
32	Leather, tanned, curried, and finished	5	5,595	545	1,875	875	2,300	5	------	------	10	2,000
33	Liquors, distilled	22	20,893	508	2,355	13,250	4,785	22	1	500	31	4,792
34	Lock and gun smithing	13	29,625	10,320	10,885	2,620	5,800	14	1	950	11	4,509
35	Looking-glass and picture frames	3	13,850	5,000	3,000	3,350	2,500	4	------	------	4	1,314
36	Lumber and timber products	729	5,187,727	1,410,050	434,076	1,754,808	1,588,793	918	217	134,449	4,585	897,899
37	Lumber, planing mill products, including sash, doors, and blinds.	53	412,128	46,995	49,010	126,705	189,418	67	25	17,264	495	146,539
38	Marble and stone work	8	306,415	90,098	13,010	157,349	45,958	6	7	10,080	175	48,230
39	Mattresses and spring beds	9	63,507	1,350	9,150	12,407	40,600	5	15	8,516	64	14,586
40	Millinery, custom work	79	165,303	20,670	27,300	6,193	111,140	90	10	3,645	149	36,591
41	Mineral and soda waters	11	24,304	550	1,125	13,000	9,629	11	5	1,881	27	4,883
42	Monuments and tombstones	22	69,950	5,825	6,475	5,155	52,495	27	6	3,180	72	32,211
43	Oil, cottonseed and cake	50	1,959,872	66,767	369,601	877,784	645,720	18	162	108,798	734	143,932
44	Painting, house, sign, etc	17	14,390	1,000	3,250	2,720	7,420	17	------	------	93	22,705
45	Patent medicines and compounds	4	14,850	50	500	5,415	8,885	2	2	2,000	9	2,150
46	Photography	30	39,885	250	1,600	18,605	19,430	31	------	------	33	12,850
47	Plumbing, and gas and steam fitting	16	48,655	8,700	8,100	9,325	22,530	20	------	------	87	29,395
48	Pottery, terra cotta, and fire-clay products.	10	25,751	7,350	8,185	5,740	4,476	12	2	840	46	10,000
49	Printing and publishing, book and job	22	245,308	5,800	4,200	137,570	97,738	26	23	19,690	212	79,265
50	Printing and publishing, newspapers and periodicals.	98	434,255	22,550	37,550	226,582	147,573	99	56	42,631	413	156,924
51	Rice, cleaning and polishing	18	293,385	46,012	97,958	51,090	98,325	22	18	15,762	112	25,243
52	Roofing and roofing materials	5	6,112	1,200	1,500	1,947	1,465	5	1	600	29	10,791
53	Saddlery and harness	24	54,097	4,950	8,875	9,720	30,552	24	2	970	42	17,923
54	Sugar and molasses, refining	22	2,363	153	379	1,827	4	24	------	------	11	1,820
55	Tinsmithing, coppersmithing, and sheet-iron working.	40	113,473	11,100	17,550	24,360	60,463	48	12	5,825	146	56,992
56	Tobacco, cigars and cigarettes	6	12,510	1,500	1,700	1,710	7,600	6	1	900	29	9,400
57	Turpentine and rosin	132	268,719	94,997	13,945	55,996	103,781	171	36	8,291	886	135,575
58	Watch, clock, and jewelry repairing	66	74,510	9,850	13,400	22,895	28,365	78	------	------	47	17,600
59	Wood, turned and carved	4	8,175	475	1,300	4,300	2,100	4	2	800	21	3,028
60	All other industries[1]	41	1,421,769	131,450	243,123	430,718	616,478	38	71	62,582	1,106	247,752

[1] Embraces bags, other than paper, 1; boxes, wooden packing, 1; brooms and brushes, 2; carpets and rugs, other than rag, 1; clothing, women's, factory product, 1; electrical apparatus and supplies, 1; electrical construction and repairs, 2; electroplating, 1; engraving and diesinking, 1; fancy articles, not elsewhere specified, 1; fish, canning and preserving, 1; furnishing goods, men's, 2; hairwork, 1; hand stamps, 1; ironwork, architectural and ornamental, 2; jute and jute goods, 1; lead,

TABLE 8.—MANUFACTURES IN CITIES

CHARLESTON.

1	All industries	364	$12,478,187	$515,003	$2,047,951	$1,822,032	$8,088,201	363	268	$291,148	5,027	$1,489,966
2	Awnings, tents, and sails	3	1,750	------	------	410	1,340	3	------	------	2	1,280
3	Baskets, and rattan and willow ware	3	101,100	15,000	24,759	2,390	58,951	1	10	9,486	193	21,526
4	Bicycle and tricycle repairing	10	9,100	100	400	3,100	5,500	12	3	750	21	6,387
5	Blacksmithing and wheelwrighting	25	40,020	9,300	5,050	5,680	19,990	26	------	------	79	23,917
6	Boots and shoes, custom work and repairing.	47	20,497	3,000	3,000	3,357	11,140	47	------	------	17	4,546
7	Bread and other bakery products	25	246,140	33,150	73,450	21,875	117,665	29	26	12,296	212	64,713
8	Carpentering	11	27,690	5,500	7,500	4,630	10,060	12	4	1,470	136	75,050
9	Clothing, men's, custom work and repairing.	18	36,400	2,500	6,500	2,415	24,985	21	3	3,600	67	29,720
10	Clothing, men's, factory product	5	128,000	1,000	500	8,000	118,500	7	12	5,117	176	37,401
11	Clothing, women's, dressmaking	28	18,250	3,800	4,700	2,545	7,205	29	------	------	84	11,497
12	Confectionery	4	6,570	1,000	2,500	1,920	1,150	4	------	------	7	1,400
13	Cooperage	5	134,179	10,000	20,000	50,165	54,014	4	5	8,520	109	25,150
14	Dyeing and cleaning	3	9,100	------	------	3,900	5,200	3	------	------	7	2,500
15	Fertilizers	11	7,868,639	76,500	1,239,350	298,700	6,254,089	------	56	118,164	1,353	370,678
16	Foundry and machine shop products	4	179,258	12,500	19,200	64,541	83,017	1	10	13,062	167	88,400
17	Furniture, cabinetmaking, repairing, and upholstering.	12	5,365	800	800	1,190	2,575	13	------	------	14	3,336
18	Lock and gun smithing	6	16,400	4,000	6,500	1,450	4,450	6	1	950	8	2,865
19	Lumber and timber products	4	233,740	40,000	19,000	21,500	153,240	1	13	12,850	142	44,050
20	Lumber, planing mill products, including sash, doors, and blinds	6	88,425	9,000	15,000	27,200	37,225	6	7	4,864	103	41,564
21	Mattresses and spring beds	3	10,505	------	3,000	5,305	2,200	2	3	1,416	8	2,036
22	Millinery, custom work	14	29,165	1,000	500	915	26,750	17	------	------	53	11,344
23	Monuments and tombstones	5	35,050	3,500	3,500	3,250	24,800	5	1	1,000	32	18,800
24	Painting, house, sign, etc	9	11,920	800	2,800	2,160	6,160	9	------	------	59	15,984
25	Photography	4	21,000	------	------	8,000	13,000	4	------	------	12	7,050

SPECIFIED INDUSTRIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
15	$2,625	27	$2,835	22	$1,950	$503	------	$185	$818	------	$15,169	$14,879	$290	$28,565	27
23	6,637	2	110	1	50	2,052	$1,430	182	440	------	11,097	10,821	276	34,189	28
104	30,127	------	------	------	------	45,792	6,802	10,626	28,364	------	38,440	37,725	715	172,005	29
73	25,200	158	32,792	128	15,880	38,887	25	1,162	11,100	$26,600	237,622	233,300	4,322	392,237	30
73	23,781	------	------	------	------	18,225	460	3,107	14,658	------	37,327	12,322	25,005	116,357	31
10	2,000	------	------	------	------	525	------	100	425	------	12,743	12,716	27	18,387	32
31	4,792	------	------	------	------	54,121	16	97	54,008	------	31,285	28,226	3,059	105,788	33
10	4,484	------	------	1	25	1,671	484	350	827	10	6,845	6,677	168	22,908	34
4	1,314	------	------	------	------	615	250	265	100	------	4,973	4,973	------	9,467	35
4,545	893,686	4	300	36	8,913	107,445	5,732	22,354	79,259	100	2,629,805	2,628,525	1,280	5,207,184	36
481	145,295	------	------	14	1,244	20,042	3,657	3,131	11,514	1,740	621,831	616,625	5,206	1,016,328	37
175	48,230	------	------	------	------	17,034	320	1,484	15,230	------	9,860	5,795	4,065	124,152	38
49	12,778	5	933	10	875	3,480	715	320	2,445	------	62,099	61,359	740	122,847	39
1	350	144	36,031	4	210	13,785	9,364	1,488	2,933	------	157,681	157,057	624	304,749	40
26	4,783	------	------	1	100	5,754	4,530	241	983	------	20,196	20,075	121	45,479	41
71	31,911	1	300	------	------	3,948	1,569	644	1,735	------	50,229	49,423	806	120,090	42
783	143,682	1	250	------	------	127,462	600	14,568	102,529	9,765	2,362,837	2,284,208	78,629	3,103,425	43
93	22,705	------	------	------	------	2,103	1,111	128	614	250	22,418	22,403	15	58,740	44
9	2,150	------	------	------	------	1,572	480	82	950	60	9,880	9,350	530	21,793	45
24	10,288	9	2,612	------	------	7,097	3,703	531	2,763	100	18,873	18,505	368	67,382	46
84	29,191	------	------	3	204	3,746	2,055	561	1,130	------	62,170	61,557	613	118,736	47
45	9,800	------	------	1	200	1,162	167	110	710	175	5,371	1,978	3,393	28,255	48
168	71,002	44	8,263	------	------	15,302	5,044	1,836	7,822	------	89,790	86,249	3,541	278,547	49
363	149,400	27	6,128	18	1,396	40,367	9,290	3,631	24,901	2,545	97,776	91,370	6,406	510,529	50
112	25,243	------	------	------	------	9,862	235	4,785	4,842	------	856,790	850,423	6,367	973,132	51
28	10,716	------	------	1	75	759	548	154	57	------	11,949	11,885	64	32,150	52
42	17,923	------	------	------	------	3,961	2,605	364	992	------	58,815	58,476	339	124,175	53
11	1,820	------	------	------	------	18	1	12	5	------	9,492	8,951	541	13,677	54
133	56,120	------	------	8	872	9,458	5,015	1,454	2,689	300	128,583	127,551	1,032	265,945	55
25	8,400	3	800	1	200	4,614	565	242	3,807	------	9,647	9,572	75	31,550	56
367	133,650	18	1,805	1	120	8,297	2,210	1,389	4,073	625	471,261	464,469	6,792	787,656	57
43	17,219	1	150	3	231	10,713	6,257	1,109	2,852	495	19,214	18,497	717	95,407	58
21	3,028	------	------	------	------	436	12	92	220	112	4,852	4,137	715	18,775	59
744	186,865	325	57,508	37	3,378	107,719	6,772	11,180	89,767	------	1,018,064	985,041	33,023	1,667,429	60

bar, pipe, and sheet, 1; lime and cement, 1; liquors, malt, 1; masonry, brick and stone, 2; oysters, canning and preserving, 1; paper and wood pulp, 1; paper goods, not elsewhere specified, 1; perfumery and cosmetics, 1; sausage, 2; sewing machine repairing, 2; ship and boat building, wooden, 2; slaughtering, wholesale, not including meat packing, 1; soap and candles, 1; tobacco, stemming and rehandling, 1; umbrellas and canes, 1; upholstering materials, 1; woolen goods, 1.

BY SPECIFIED INDUSTRIES: 1900.

CHARLESTON.

4,017	$1,340,062	790	$133,647	220	$16,257	$796,573	$45,787	$35,226	$654,329	$11,231	$5,633,578	$5,499,100	$134,478	$9,562,337	1
2	1,280	------	------	------	------	258	228	------	30	------	4,705	4,705	------	8,400	2
178	20,500	------	------	15	1,026	13,134	1,335	900	10,899	------	42,504	41,724	780	104,432	3
15	5,325	------	------	6	1,062	2,928	2,036	187	705	------	14,381	14,080	301	37,600	4
72	23,346	------	------	7	571	3,703	2,208	624	871	------	22,824	21,634	1,190	76,878	5
11	4,320	------	------	6	226	4,334	3,306	548	980	------	13,652	13,273	379	48,912	6
191	62,216	13	1,645	8	852	14,434	3,868	3,406	7,160	------	289,890	285,506	4,384	462,993	7
132	74,800	1	100	3	150	1,850	460	825	565	------	92,308	92,213	95	190,600	8
63	29,320	------	------	4	400	4,181	2,104	454	1,273	350	44,828	44,425	403	115,421	9
15	6,250	158	30,668	3	483	14,656	1,720	865	1,500	10,571	186,889	186,529	360	306,250	10
2	468	68	10,343	14	686	3,740	2,500	300	940	------	13,175	12,925	250	44,945	11
1	360	3	840	3	200	586	380	173	33	------	4,872	4,745	127	10,900	12
169	25,150	------	------	------	------	4,361	176	1,103	3,082	------	72,695	72,660	35	135,024	13
6	2,000	1	500	------	------	1,010	670	120	220	------	1,130	912	218	7,300	14
1,353	370,678	------	------	------	------	504,062	1,050	31,038	471,974	------	2,338,615	2,269,613	69,002	3,697,090	15
167	88,400	------	------	------	------	10,853	822	1,334	8,697	------	90,420	86,689	3,731	223,062	16
13	3,286	------	------	1	50	1,328	933	95	300	------	3,810	3,720	90	15,299	17
7	2,340	------	------	1	25	1,525	400	335	790	------	4,925	4,850	75	16,000	18
142	44,050	------	------	------	------	4,865	640	1,325	2,900	------	188,860	187,660	1,200	294,350	19
93	40,564	------	------	10	1,000	8,485	650	1,310	6,525	------	108,822	108,620	202	199,900	20
7	1,828	1	208	------	------	1,030	605	135	290	------	14,380	14,110	270	22,175	21
1	350	48	10,784	4	210	5,385	3,740	330	1,315	------	29,780	29,635	145	60,585	22
32	18,800	------	------	------	------	2,100	575	325	1,200	------	15,335	15,135	200	48,000	23
59	15,984	------	------	------	------	1,566	650	118	548	250	13,549	13,539	10	38,850	24
10	5,900	3	1,150	------	------	3,055	1,050	230	1,775	------	6,755	6,640	115	23,800	25

TABLE 8.—MANUFACTURES IN CITIES

CHARLESTON—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES AND TOWNS.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
26	Plumbing, and gas and steam fitting	7	$20,350	$4,700	$4,100	$1,850	$9,700	8			39	$15,592
27	Printing and publishing, book and job	7	182,417			103,080	79,337	6	22	$15,990	121	49,542
28	Printing and publishing, newspapers and periodicals.	6	89,700	12,000	19,000	36,700	22,000	10	11	11,218	80	49,769
29	Saddlery and harness	4	11,950	1,000	1,500	2,050	7,400	4			7	3,286
30	Tinsmithing, coppersmithing, and sheet-iron working.	15	56,425	6,500	12,000	9,300	28,625	17	6	3,200	81	35,542
31	Tobacco, cigars and cigarettes	4	9,410	1,500	1,700	1,510	4,700	4			17	5,600
32	Watch, clock, and jewelry repairing	14	18,950	1,100	1,700	5,000	11,150	19			15	5,815
33	All other industries[1]	42	2,805,722	255,753	549,942	1,117,944	882,083	33	75	67,195	1,605	413,626

[1] Embraces bags, other than paper, 1; bottling, 1; carriages and wagons, 2; cars and general shop construction and repairs by steam railroad companies, 1; clothing, women's, factory product, 1; cotton, compressing, 2; cotton goods, 1; electrical construction and repairs, 2; electroplating, 1; engraving and diesinking, 1; fancy articles, not elsewhere specified, 1; flouring and grist mill products, 2; furnishing goods, men's, 1; gas, illuminating and heating, 1; hairwork, 1; hand stamps, 1; ice, manufactured, 2; ironwork, architectural and ornamental, 1; jute and jute goods, 1; liquors, malt, 1; looking-glass and picture frames, 2; masonry, brick

COLUMBIA.

1	All industries	92	$5,277,306	$153,891	$1,017,150	$2,465,062	$1,641,203	89	87	$108,021	3,250	$759,200
2	Bicycle and tricycle repairing	5	4,125			2,575	1,550	7			14	3,655
3	Blacksmithing and wheelwrighting	10	5,085	625	575	2,285	2,200	12			16	3,819
4	Bread and other bakery products	3	15,950	5,250	4,600	750	5,350	3			20	8,108
5	Carpentering	6	35,350			7,650	27,700	5	3	2,700	213	45,643
6	Carriages and wagons	3	9,000	1,000	300	1,100	6,600	3			25	7,680
7	Clothing, men's, custom work and repairing.	7	26,268	7,500	8,000	2,162	8,606	8			26	8,725
8	Confectionery	3	7,600			1,400	6,200	4			5	808
9	Cotton goods	4	3,815,156	68,116	721,742	2,034,240	991,058		24	38,633	2,021	369,226
10	Foundry and machine shop products	8	53,450	20,000	11,000	10,500	11,950	3	1	780	54	20,210
11	Lumber, planing mill products, including sash, doors, and blinds.	3	28,050	400	100	9,350	18,200	7			20	4,868
12	Photography	3	4,675			2,450	2,225	3			7	2,812
13	Plumbing, and gas and steam fitting	3	4,050			1,650	2,400	5			16	5,360
14	Printing and publishing, book and job	6	17,190			7,240	9,950	4	5	3,100	61	20,550
15	Printing and publishing, newspapers and periodicals,	4	52,332			28,132	24,200	3	14	15,800	49	26,736
16	Watch, clock, and jewelry repairing	7	14,325	5,000	4,000	3,675	1,650	8			10	5,300
17	All other industries[1]	22	1,134,100	46,000	266,833	349,903	521,364	14	40	47,008	693	226,700

[1] Embraces brooms and brushes, 1; cars and general shop construction and repairs by steam railroad companies, 1; cotton, compressing, 1; fertilizers, 2; furniture, cabinetmaking, repairing, and upholstering, 2; gas, illuminating and heating, 1; hosiery and knit goods, 1; ice, manufactured, 1; lock and gun smithing, 1;

TABLE 9.—MANUFACTURES IN CITIES AND

1	Total for cities and towns	380	$10,020,391	$363,270	$1,776,495	$4,341,197	$3,539,429	404	221	$212,826	7,954	$1,512,214
2	Anderson	52	1,280,111	29,563	222,026	580,087	448,435	65	26	22,325	910	166,318
3	Beaufort	18	34,331	5,500	5,500	16,130	7,201	18	1	900	29	6,833
4	Camden	26	304,289	38,100	62,250	136,455	67,484	26	8	4,902	349	61,769
5	Chester	26	480,624	25,042	91,591	180,685	183,306	31	18	12,492	584	114,108
6	Greenville	64	2,858,388	85,732	503,089	1,125,311	1,144,256	65	55	63,418	2,153	370,392
7	Newberry	34	1,336,625	29,100	262,283	368,060	677,182	32	27	19,840	811	175,178
8	Orangeburg	34	239,635	30,400	28,735	100,100	80,400	37	7	6,600	284	65,486
9	Rock Hill	29	826,941	10,613	157,787	358,098	300,443	25	36	28,524	1,050	197,089
10	Spartanburg	45	2,351,175	100,170	408,109	1,282,774	560,122	48	34	41,060	1,375	276,042
11	Sumter	52	308,272	9,050	35,125	193,497	70,600	57	19	12,765	409	79,013

BY SPECIFIED INDUSTRIES: 1900—Continued.

CHARLESTON—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
36	$15,388	-------	-------	3	$204	$1,709	$964	$295	$450	-------	$17,204	$16,974	$230	$14,854	26
84	42,874	37	$6,668	-------	-------	11,145	3,330	1,327	6,488	-------	72,390	69,921	2,469	203,032	27
77	49,237	2	480	1	52	8,180	487	1,227	6,406	$60	17,210	14,775	2,435	128,081	28
7	3,286	-------	-------	-------	-------	1,020	525	115	380	-------	26,790	26,630	160	47,100	29
73	34,670	-------	-------	8	872	4,802	1,690	977	1,135	-------	52,477	51,942	535	128,500	30
16	5,400	-------	-------	1	200	2,493	435	215	1,843	-------	6,035	6,000	35	18,450	31
14	5,740	-------	-------	1	75	3,446	1,646	355	1,445	-------	8,205	8,015	190	35,320	32
1,029	335,452	455	70,261	121	7,913	149,849	4,604	4,545	110,700	-------	1,814,163	1,769,301	44,862	2,768,289	33

and stone, 1; mineral and soda waters, 2; oil, cottonseed and cake, 1; patent medicines and compounds, 1; perfumery and cosmetics, 1; rice, cleaning and polishing, 2; roofing and roofing materials, 2; ship and boat building, wooden, 1; slaughtering and meat packing, wholesale, 1; soap and candles, 1; umbrellas and canes, 1; upholstering materials, 1.

COLUMBIA.

2,140	$597,709	569	$112,032	541	$49,459	$330,626	$20,876	$23,854	$234,146	$52,250	$2,474,628	$2,385,712	$88,916	$4,243,030	1
12	3,375	-------	-------	2	280	1,541	946	73	522	-------	10,002	9,705	297	19,953	2
16	3,819	-------	-------	-------	-------	453	379	54	20	-------	7,377	7,045	332	19,000	3
15	7,208	5	900	-------	-------	1,757	1,380	150	227	-------	20,639	20,284	355	39,955	4
213	45,643	-------	-------	-------	-------	25,485	150	15	320	25,000	221,342	221,142	200	367,425	5
25	7,680	-------	-------	-------	-------	820	600	120	100	-------	9,750	9,500	250	26,150	6
24	8,520	1	156	1	49	1,678	996	65	612	-------	11,026	10,692	334	29,543	7
1	464	4	344	-------	-------	1,449	1,376	35	38	-------	12,214	11,917	297	23,300	8
1,023	223,704	482	97,742	516	47,780	170,901	-------	10,634	160,267	-------	1,075,389	1,020,006	55,383	1,956,089	9
51	19,950	-------	-------	3	260	2,082	28	874	1,180	-------	17,463	16,747	716	53,300	10
20	4,368	-------	-------	-------	-------	518	240	63	215	-------	42,580	42,400	180	74,600	11
7	2,312	-------	-------	-------	-------	1,137	860	30	247	-------	1,857	1,829	28	3,737	12
16	5,360	-------	-------	-------	-------	926	587	20	319	-------	11,421	11,391	30	21,533	13
57	19,430	4	1,120	-------	-------	1,808	908	179	721	-------	9,173	8,731	442	44,580	14
45	25,736	4	1,000	-------	-------	14,181	1,722	553	11,156	750	28,398	22,363	1,035	90,968	15
10	5,300	-------	-------	-------	-------	1,209	866	60	283	-------	2,315	2,125	190	13,786	16
605	214,840	69	10,770	19	1,090	104,686	9,338	10,929	57,919	26,500	998,682	969,745	28,937	1,454,111	17

mineral and soda waters, 1; monuments and tombstones, 1; oil, cottonseed and cake, 2; painting, house, sign, etc., 2; saddlery and harness, 2; tinsmithing, coppersmithing, and sheet-iron working, 2; tobacco, cigars and cigarettes, 1.

TOWNS UNDER 20,000 IN POPULATION: 1900.

4,484	$1,015,078	1,782	$317,326	1,688	$179,815	$465,792	$29,763	$59,930	$372,619	$3,480	$5,413,245	$5,187,432	$225,813	$9,209,110	1
471	108,052	184	32,389	255	25,872	58,753	2,422	7,477	45,354	1,500	637,879	599,625	38,254	1,127,488	2
27	6,638	-------	-------	2	200	2,146	1,417	489	240	-------	21,894	20,517	1,377	46,981	3
256	47,824	45	8,123	48	5,822	26,845	720	1,882	23,103	140	125,826	115,920	9,906	241,632	4
369	83,850	117	20,565	98	9,693	41,367	1,152	3,597	36,618	-------	376,980	355,460	21,520	645,444	5
1,178	248,832	483	74,225	492	47,335	94,417	6,084	12,131	75,602	600	1,414,574	1,368,213	46,361	2,224,990	6
455	102,392	206	53,484	150	19,302	91,724	3,430	8,697	79,597	-------	640,204	615,482	24,722	1,200,892	7
199	51,336	46	9,350	39	4,800	15,303	2,304	2,982	10,017	-------	313,582	306,975	6,607	498,360	8
521	132,307	284	41,256	245	23,517	28,827	1,690	5,857	21,280	-------	566,703	541,249	25,454	1,007,216	9
679	167,283	359	67,505	337	41,254	83,721	3,459	14,303	64,359	1,040	923,217	881,649	41,568	1,630,275	10
329	66,564	58	10,429	22	2,020	28,689	5,085	1,955	16,449	200	392,336	382,342	10,044	590,337	11

SOUTH DAKOTA.

Prior to November 2, 1889, South Dakota was a part of the territory of Dakota; therefore, the Eleventh Census (1890) was the first in which the statistics for the state were published separately.

Table 1 shows the manufacturing and mechanical industries of the state as returned at the censuses of 1890 and 1900, inclusive, with the percentages of increase for the decade. This table also presents the average number of wage-earners employed by manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1890 AND 1900, WITH PER CENT OF INCREASE FOR THE DECADE.

	1900	1890	Per cent of increase.
Number of establishments	1,639	499	228.5
Capital	$7,578,895	$3,207,796	136.3
Salaried officials, clerks, etc., number	311	[1] 411	[2] 24.3
Salaries	$184,233	[1] $265,725	[2] 30.7
Wage-earners, average number	3,121	2,011	55.2
Total wages	$1,544,409	$832,693	85.5
Men, 16 years and over	2,776	1,846	50.4
Wages	$1,471,626	$795,676	85.0
Women, 16 years and over	231	129	79.1
Wages	$55,263	$33,344	65.7
Children, under 16 years	114	36	216.7
Wages	$17,520	$3,673	377.0
Miscellaneous expenses	$471,528	$268,214	75.8
Cost of materials used	$7,827,110	$3,523,840	122.1
Value of products, including custom work and repairing	$12,231,239	$5,682,748	115.2
Total population	[3] 383,887	328,808	16.8
Wage-earners engaged in manufactures	3,121	2,011	55.2
Per cent of total population	0.8	0.6	
Assessed value of real estate	[4] $132,562,815	$101,378,719	30.8
Value of land and buildings invested in manufactures [5]	$2,180,472	$834,997	161.1
Per cent of assessed value	1.6	0.8	

[1] Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 5.)
[2] Decrease.
[3] Exclusive of 17,683 Indians and other persons on Indian reservations, which classes were not included at previous censuses.
[4] As given in the report of the auditor of South Dakota for 1900.
[5] Does not include the value of rented property.

While Table 1 shows a large increase in the manufacturing and mechanical industries of the state, agriculture and mining are the principal pursuits. Manufacturing is limited almost entirely to the so-called neighborhood industries, and practically the entire product is consumed at or near the point of production.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for a governmental establishment and establishments with a product of less than $500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	COST OF MATERIALS USED. Total.	COST OF MATERIALS USED. Purchased in raw state.	COST OF MATERIALS USED. Purchased in partially manufactured form.	COST OF MATERIALS USED. Fuel, freight, etc.	Value of products, including custom work and repairing.
Total	1,926	$7,700,890	2,038	3,133	$1,548,068	$477,334	$7,858,261	$5,125,591	$2,079,092	$653,578	$12,309,233
Hand trades[1]	718	834,180	821	835	379,619	82,373	812,206	22,102	739,125	50,979	1,877,086
Governmental establishment	1	7,400	-------	2	1,140	----------	4,945	4,260	25	660	5,960
Establishments with a product of less than $500	286	114,595	306	10	2,519	5,806	26,206	1,462	24,744	----------	72,034
All other establishments	921	6,744,715	911	2,286	1,164,790	389,155	7,014,904	5,097,767	1,315,198	601,939	10,354,153

[1] Includes bicycle and tricycle repairing, 17; blacksmithing and wheelwrighting, 281; boots and shoes, custom work and repairing, 49; carpentering, 64; clothing, men's, custom work and repairing, 57; clothing, women's, dressmaking, 22; dyeing and cleaning, 3; furniture, cabinetmaking, repairing, and upholstering, 10; lock and gun smithing, 4; masonry, brick and stone, 17; millinery, custom work, 82; painting, house, sign, etc., 24; paper hanging, 8; plastering and stuccowork, 9; plumbing, and gas and steam fitting, 17; watch, clock, and jewelry repairing, 59.

Of the 1,926 establishments of all classes shown in this table, 1,004, or 52.1 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments, consisting principally of the sums received for custom work and repairing, amounted to $1,949,120, or only 15.8 per cent of the total value of the products of the state.

In addition to the 1,926 active establishments in the state during the census year, with a capital of $7,700,890, shown in Table 2, there were 12 idle establishments, with a capital of $105,645.

Table 3 presents the totals for the manufacturing industries of the 2 cities withdrawn from the enumerators and places them in comparison with the totals for the entire state and the state exclusive of these cities.

TABLE 3.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for state	1,639	$7,578,895	1,732	3,121	$1,544,409	$471,528	$7,827,110	$12,231,239
Total for urban manufactures	216	1,265,710	251	725	351,935	193,262	730,351	1,762,147
Sioux Falls	148	1,047,899	170	536	288,919	159,694	563,376	1,411,411
Yankton	68	217,811	81	189	63,016	33,568	166,975	350,736
Total for state exclusive of urban manufactures	1,423	6,313,185	1,481	2,396	1,192,474	278,266	7,096,759	10,469,092
Per cent of urban manufactures to total for state	13.2	16.7	14.5	23.2	22.8	41.0	9.3	14.4

Of the 1,639 establishments in the state, 216, or 13.2 per cent, were located in these 2 cities. They furnished employment to 725 wage-earners, or 23.2 per cent of the total number, and the value of their products, $1,762,147, formed 14.4 per cent of the total for the state.

Table 4 shows the totals for the state by counties.

Table 5 shows the totals for the state by specified industries.

Table 6 shows the totals for the cities withdrawn from the enumerators.

TABLE 4.—MANUFACTURES

[No manufactures reported from the following counties: Armstrong, Boreman,

	COUNTIES.	Number of establishments.	CAPITAL.					Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.	
			Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.		Number.	Salaries.	Total.	
											Average number.	Wages.
1	The State	1,639	$7,578,895	$621,370	$1,559,102	$2,352,329	$3,046,094	1,732	311	$184,233	3,121	$1,541,409
2	Aurora	13	36,662	4,395	6,005	21,237	5,025	15	1	285	9	3,970
3	Beadle	59	216,977	11,684	48,590	55,790	100,913	58	12	4,805	166	92,972
4	Bonhomme	58	119,544	18,535	25,240	43,820	36,949	65	15	2,715	69	21,737
5	Brookings	47	175,803	12,800	31,650	45,937	85,416	57			73	33,683
6	Brown	56	379,596	14,245	63,780	145,965	155,656	61	21	20,020	128	63,019
7	Brule	23	81,263	5,790	13,600	34,765	27,108	19	6	1,770	24	9,092
8	Buffalo	5	6,926	120	2,010	2,850	1,946	5	2	105	3	699
9	Butte	4	15,200	300	2,500	8,500	3,900	5			4	2,525
10	Campbell	8	24,741	750	6,433	5,400	12,158	8			7	2,960
11	Charles Mix	7	19,115	825	3,340	10,750	4,200	5	2	720	5	2,007
12	Clark	30	77,937	2,455	20,935	34,790	19,757	27	7	2,715	24	9,943
13	Clay	31	80,798	7,815	23,500	27,625	21,858	37	2	115	30	12,421
14	Codington	59	368,554	16,085	48,700	97,160	206,609	63	14	9,652	138	62,695
15	Custer	10	50,920	5,225	10,775	27,710	7,210	10	1	1,250	10	5,700
16	Davison	21	105,087	2,950	17,700	50,771	33,666	21	7	3,270	50	23,046
17	Day	35	108,025	10,160	22,015	40,985	34,865	36	4	2,205	34	14,141
18	Deuel	21	32,785	2,150	5,765	14,495	10,375	25			9	2,320
19	Douglas	21	57,175	4,985	27,240	13,275	11,675	21	2	1,800	28	13,677
20	Edmunds	24	72,700	4,700	13,060	24,700	30,240	25	1	300	18	8,123
21	Fall River	7	130,770	10,240	19,300	48,160	53,070	6	10	4,430	53	26,694
22	Faulk	10	31,950	2,450	7,900	11,960	9,640	11			16	5,450
23	Grant	17	32,775	1,665	10,825	13,160	7,125	15	5	510	20	7,633
24	Gregory	5	3,420	102	1,648	1,200	470	4			3	550
25	Hamlin	17	31,695	1,890	7,850	7,175	14,780	17			10	2,989
26	Hand	15	38,221	1,270	4,695	23,381	8,875	17			9	3,133
27	Hanson	24	81,570	4,165	18,250	39,375	19,780	22	2	1,020	30	12,300
28	Hughes	7	41,625	700	4,250	15,550	21,125	5	4	2,150	16	5,400
29	Hutchinson	38	134,457	8,275	33,780	66,057	26,345	39	11	1,906	36	14,820
30	Hyde	6	12,500	400	3,100	6,925	2,075	7			11	3,930
31	Jerauld	13	23,989	470	6,700	10,400	6,419	9			13	5,785
32	Kingsbury	47	179,014	10,080	40,270	70,275	58,389	42	16	7,588	51	21,318
33	Lake	51	134,236	25,681	30,124	36,170	42,261	57	2	1,380	72	26,463
34	Lawrence	114	1,613,525	113,880	270,039	258,537	971,069	127	25	31,982	496	349,391
35	Lincoln	50	100,109	12,669	17,925	29,680	39,835	54			63	27,712
36	McCook	39	105,407	4,940	21,190	52,672	26,605	40	4	1,056	33	14,854
37	McPherson	17	32,955	3,450	13,520	8,165	7,820	21			13	5,666
38	Marshall	21	56,186	2,720	13,080	27,795	12,591	18	6	2,435	16	8,100
39	Meade	12	134,410	23,435	7,375	37,225	66,375	13	6	5,980	69	33,527
40	Miner	37	94,602	5,000	25,045	35,157	29,400	38	1	120	24	9,445
41	Minnehaha	202	1,254,902	114,189	192,893	451,344	496,536	230	84	53,187	758	355,419
42	Moody	37	56,010	8,435	9,350	19,160	19,065	41	1	280	31	12,341
43	Pennington	32	159,270	39,200	42,650	38,655	38,765	33	4	3,700	68	33,123
44	Potter	10	9,475	1,260	2,100	2,490	3,625	10			1	400
45	Roberts	18	48,880	4,025	7,480	19,125	18,200	24			12	3,790
46	Sanborn	14	69,247	2,425	19,450	23,817	23,555	11	5	510	15	9,170
47	Spink	54	119,985	10,020	21,215	47,990	40,760	53	4	2,040	50	20,994
48	Turner	50	166,707	12,635	37,385	67,682	49,005	52	4	1,226	55	24,670
49	Union	41	96,834	13,300	21,300	38,311	23,923	41	1	200	43	17,842
50	Walworth	6	7,225	250	1,600	3,225	2,150	8			2	764
51	Yankton	91	537,161	61,080	252,985	130,861	92,285	100	19	10,826	196	92,591
52	All other counties[1]	5	9,965	100	1,040	4,125	4,700	4			7	3,475

[1] Includes establishments distributed as follows: Lyman, 1; Shannon, 2; Stanley, 2.

BY COUNTIES: 1900.

Dewey, Lugenbeel, Meyer, Schnassee, Tripp, Washabaugh, and Washington.]

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
2,776	$1,471,626	231	$55,263	114	$17,520	$471,528	$91,104	$61,010	$294,773	$24,641	$7,827,110	$7,289,262	$537,848	$12,231,239	1
8	3,870			1	100	1,220	190	353	668		42,686	41,658	1,028	61,133	2
158	91,700	8	1,272			13,821	2,856	2,038	8,882	45	225,733	220,345	5,388	416,826	3
62	20,662	5	750	2	325	7,503	1,568	1,234	4,701		102,826	99,658	3,168	187,068	4
64	31,008	4	1,700	5	975	12,541	2,504	1,382	8,655		197,337	192,993	4,344	285,356	5
110	57,807	15	4,997	3	215	19,850	3,332	2,938	13,299	281	466,383	454,030	12,353	650,025	6
18	7,896	2	320	4	876	2,727	503	694	1,380	150	77,737	75,504	2,233	110,480	7
1	513			2	186	478		28	450		10,377	10,124	253	13,163	8
4	2,525					998	240	228	530		15,142	15,037	105	22,300	9
6	2,900			1	60	1,373	71	439	863		64,264	61,885	2,379	86,017	10
4	1,885			1	122	384		119	265		23,501	22,640	861	31,208	11
21	9,481			3	462	2,572	834	634	1,104		91,048	88,819	2,229	132,382	12
24	10,931	5	1,270	1	220	3,546	1,733	606	1,207		74,934	71,965	2,969	117,817	13
131	61,325	4	985	3	325	20,745	3,139	2,869	14,237	500	372,062	363,092	8,970	529,503	14
10	5,700					1,708		768	540	400	12,073	11,113	960	22,700	15
44	21,525	5	1,050	1	471	8,644	1,619	787	6,113	125	167,048	160,821	6,227	230,873	16
23	11,467	5	1,620	6	1,054	5,964	1,459	985	3,520		116,517	112,519	3,998	174,307	17
5	1,470	3	650	1	200	1,119	720	103	296		19,601	18,721	880	35,539	18
27	13,377	1	300			2,407	342	583	1,457	25	89,682	87,082	2,600	127,617	19
15	7,788			3	335	3,637	569	711	2,354	3	88,330	86,034	2,296	121,726	20
52	26,575			1	119	3,741	324	504	2,863	50	101,639	100,483	1,156	147,472	21
14	5,050			2	400	826	319	181	326		28,527	27,828	699	46,252	22
17	7,108	1	300	2	225	1,934	364	174	796		26,669	23,243	3,426	43,770	23
1	200			2	350	188	63	27	98		1,250	1,152	98	4,305	24
7	2,550			3	439	1,459	493	170	796		11,702	10,647	1,055	28,358	25
6	2,773			3	360	1,302	306	618	378		39,652	38,802	850	56,189	26
21	11,160	1	640	5	500	4,303	450	617	3,236		91,726	89,370	2,356	129,296	27
12	4,500	3	600	1	300	1,077	513	346	818		15,735	15,170	565	25,355	28
32	14,120	2	500	2	200	7,039	360	887	5,592	200	244,731	239,479	5,252	309,938	29
7	3,480	4	450			520	155	140	200	25	29,870	28,640	1,230	44,404	30
11	5,535	1	175	1	75	988	160	144	684		25,368	24,388	980	38,905	31
49	20,508	1	650	1	160	5,922	719	928	4,275		216,931	210,070	6,861	287,979	32
55	23,551	16	2,860	1	52	8,357	2,592	1,375	3,290	1,100	132,502	129,105	3,397	220,088	33
468	341,150	16	6,100	12	2,141	49,219	14,260	6,168	28,791		2,097,539	1,748,551	348,988	3,010,568	34
56	26,642	2	435	5	635	7,060	1,612	716	3,832	900	102,794	99,846	2,948	178,961	35
31	14,304	2	550			4,344	1,034	635	2,625	50	97,130	93,335	3,795	164,688	36
13	5,666					1,632	451	364	817		21,423	20,622	801	43,030	37
13	7,635	1	275	2	100	2,463	370	680	1,406	7	120,784	117,532	3,252	154,302	38
69	33,527					2,791	245	1,648	898		120,229	116,606	3,623	195,649	39
20	9,080			4	305	3,339	769	986	1,584		108,415	104,935	3,480	155,401	40
667	336,248	86	17,950	5	1,221	167,751	26,584	6,158	117,807	17,207	749,648	720,678	28,965	1,743,792	41
26	11,617	5	724			4,126	2,148	320	1,663		70,818	68,605	2,213	111,929	42
59	31,042	6	1,624	3	457	9,334	2,219	3,344	3,071	700	87,164	82,938	4,226	181,682	43
1	400					265	36	81	123	25	6,148	5,871	277	11,625	44
7	2,940	1	200	4	650	1,892	290	358	1,244		33,311	31,672	1,639	58,421	45
15	9,170					3,271	656	760	1,605	250	118,665	115,775	2,890	147,899	46
40	19,444	5	1,070	5	480	7,231	3,018	1,458	2,655	100	237,215	227,413	9,802	315,701	47
48	23,128	3	760	4	782	5,947	839	1,075	2,897	1,136	192,104	187,192	4,912	273,625	48
37	16,230	5	1,412	1	200	5,146	1,715	754	2,657	20	121,688	118,562	3,126	178,491	49
2	764					390	158	45	187		8,976	8,726	250	13,970	50
177	88,724	12	2,774	7	1,093	45,949	6,058	11,731	26,818	1,342	305,493	284,963	20,530	554,324	51
5	2,975	1	300	1	200	485	141	124	220		3,388	3,023	365	9,930	52

TABLE 5.—MANUFACTURES

	MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	All industries	1,639	$7,578,895	$621,370	$1,559,102	$2,352,829	$3,046,094	1,732	311	$184,233	3,121	$1,544,409
2	Agricultural implements	3	24,385	2,100	2,000	8,500	11,785	4			11	4,929
3	Bicycle and tricycle repairing	17	26,725	2,450	5,350	10,075	8,850	24			9	2,610
4	Blacksmithing and wheelwrighting	281	347,811	46,518	80,599	93,251	127,448	323			121	54,344
5	Bookbinding and blank book making	3	28,189		200	12,500	15,489	4	3	2,580	29	20,576
6	Boots and shoes, custom work and repairing.	49	30,698	6,850	11,160	5,955	6,733	53			14	5,912
7	Bread and other bakery products	13	23,445	4,200	5,800	8,900	4,545	17	8	2,239	26	14,446
8	Brick and tile	11	64,125	7,050	11,200	15,125	30,750	19			48	19,687
9	Brooms and brushes	10	9,830	170	2,580	1,660	5,420	13			17	8,670
10	Carpentering	64	101,861	7,300	6,300	15,590	72,671	71			236	132,625
11	Carpets, rag	4	895	125	350	210	210	5				
12	Carriages and wagons	15	76,780	8,700	22,450	15,655	29,975	18	2	2,000	40	21,456
13	Cars and general shop construction and repairs by steam railroad companies.	7	68,079	6,040	34,600	6,941	20,498		9	8,354	117	79,661
14	Cheese, butter, and condensed milk, factory product.	138	460,932	12,192	150,143	243,390	55,207	44	95	11,786	148	77,401
15	Clothing, men's, custom work and repairing.	57	45,936	3,150	7,810	7,483	27,493	64	1	800	78	35,808
16	Clothing, women's, dressmaking	22	6,401	400	950	2,145	2,906	25	1	520	63	9,417
17	Confectionery	6	8,625			2,430	6,195	7	2	2,100	16	4,615
18	Dyeing and cleaning	3	255			150	105	3			1	190
19	Flouring and grist mill products	120	1,754,752	110,530	341,255	701,122	601,845	133	53	47,950	295	155,742
20	Foundry and machine shop products	13	42,010	5,150	7,485	16,550	12,825	18	1	308	19	8,090
21	Furniture, cabinetmaking, repairing, and upholstering.	10	10,775	800	1,750	3,325	4,900	14			8	2,856
22	Lime and cement	7	284,500	27,100	185,950	59,750	11,700	8	5	5,580	51	31,590
23	Liquors, malt	4	560,794	57,038	148,318	120,200	235,238	3	10	12,420	61	23,919
24	Lock and gun smithing	4	10,575	1,700	1,350	4,200	3,325	4			3	1,520
25	Lumber and timber products	29	288,720	90,770	14,005	87,665	91,280	24	15	18,020	181	92,425
26	Lumber, planing mill products, including sash, doors, and blinds.	7	34,552	6,500	12,886	11,921	3,245	6	1	800	15	6,282
27	Marble and stone work	4	23,400	5,150	1,050	6,650	10,550	5			112	39,382
28	Masonry, brick and stone	17	18,274	1,250	2,575	2,755	11,694	18	1	520	84	47,415
29	Millinery, custom work	82	89,445	7,690	15,840	3,836	62,079	94	3	520	62	12,766
30	Mineral and soda waters	12	92,180	14,900	21,750	37,000	18,530	13	3	1,800	29	15,120
31	Monuments and tombstones	11	47,352	10,660	7,650	11,560	17,482	12	9	3,925	33	14,901
32	Painting, house, sign, etc	24	15,495	4,325	1,100	2,465	7,605	31	2	936	41	19,410
33	Paper hanging	3	3,550			175	3,375	4	2	295	7	4,800
34	Paving and paving materials	5	20,650	200	200	12,950	7,300	6			18	7,620
35	Photography	42	46,450	2,910	8,650	20,900	13,990	47			17	6,094
36	Plastering and stuccowork	9	6,350	440	450	1,832	3,628	10			11	6,053
37	Plumbing, and gas and steam fitting	17	54,802	5,300	3,950	9,400	36,152	23	2	930	73	33,874
38	Printing and publishing, book and job	8	70,806	800	800	37,000	32,206	5	6	4,190	43	19,409
39	Printing and publishing, newspapers and periodicals.	198	637,839	33,760	75,135	333,177	195,767	215	43	30,376	422	164,456
40	Saddlery and harness	118	293,645	32,817	50,838	18,238	191,752	138	2	900	100	44,564
41	Tinsmithing, coppersmithing, and sheet-iron working.	82	172,476	28,500	66,735	31,440	45,801	94			78	39,481
42	Tobacco, cigars and cigarettes	27	84,460	3,200	5,200	4,135	71,925	30	9	5,355	129	59,894
43	Watch, clock, and jewelry repairing	59	65,227	10,315	13,550	16,945	24,417	60			24	10,519
44	All other industries[1]	24	1,529,844	52,325	229,138	347,178	901,203	23	23	24,029	231	184,350

[1] Embraces awnings, tents, and sails, 2; boxes, wooden packing, 1; cooperage, 2; copper, smelting and refining, 1; fur goods, 1; gas, illuminating and heating, 2; gas machines and meters, 2; jewelry, 1; kaolin and other earth grinding, 1; lamps and reflectors, 1; leather, tanned, curried, and finished, 2; looking-glass and

TABLE 6.—MANUFACTURES

1	Total for cities	216	$1,265,710	$122,544	$214,593	$434,683	$493,890	251	79	$51,904	725	$351,935
2	Sioux Falls	148	1,047,899	101,344	156,568	379,372	410,115	170	70	48,025	586	288,919
3	Yankton	68	217,811	20,700	58,025	55,311	83,775	81	9	3,879	139	63,016

BY SPECIFIED INDUSTRIES: 1900.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
2,776	$1,471,626	231	$55,263	114	$17,520	$471,528	$91,104	$61,010	$294,773	$24,641	$7,827,110	$7,289,262	$537,848	$12,231,289	1
11	4,929					1,141	120	221	800		6,222	5,707	515	19,580	2
9	2,610					2,004	1,061	299	644		8,197	7,636	561	22,125	3
121	54,344					12,065	4,084	3,046	4,682	253	142,083	127,431	14,652	414,931	4
24	19,234	5	1,342			4,110	1,825	193	2,092		12,308	11,273	1,035	53,112	5
14	5,912					3,424	2,294	342	788		15,569	14,836	733	45,301	6
24	13,446	2	1,000			4,292	1,851	347	2,094		29,001	26,799	2,202	78,938	7
48	19,687					1,378	835	274	269		12,625	1,365	11,260	46,150	8
17	8,670					830	505	67	258		9,620	9,465	155	24,738	9
236	132,625					15,479	1,331	365	1,983	11,800	255,701	255,196	505	499,008	10
						198	20	23	155		1,865	1,845	20	3,933	11
40	21,456					3,292	710	817	1,765		31,462	28,478	2,984	86,495	12
117	79,661					3,049		1,270	1,779		86,567	84,538	2,029	177,631	13
147	77,201			1	200	18,523	588	2,555	14,856	524	1,005,237	972,068	33,169	1,199,403	14
63	31,930	15	3,873			10,944	6,554	590	3,000	800	66,617	64,957	1,660	160,572	15
		63	9,417			2,543	2,204	45	294		4,862	4,492	370	35,685	16
10	2,950	5	1,485	1	180	2,653	1,398	49	1,206		18,063	17,573	490	33,110	17
		1	190			715	480	5	230		545	365	180	3,280	18
294	155,342			1	400	75,006	2,092	15,661	56,017	1,236	2,825,781	2,758,430	67,351	3,379,843	19
19	8,090					1,457	265	382	810		13,579	11,702	1,877	38,755	20
7	2,606	1	250			2,016	1,180	195	641		9,899	9,650	249	20,952	21
51	31,590					10,209	150	9,347	662	50	40,420	24,573	15,847	91,764	22
58	22,949			3	1,000	78,216		1,417	76,754	45	37,843	32,183	5,660	280,080	23
3	1,520					556	175	144	237		3,179	3,074	105	10,215	24
181	92,425					7,860	870	4,565	2,425		258,955	258,955		445,861	25
15	6,282					2,155	140	219	1,796		27,407	27,117	290	48,664	26
112	39,382					2,580	1,187	119	1,274		1,995	1,695	300	63,893	27
84	47,415					1,266	722	97	322	125	44,605	44,250	355	121,876	28
		61	12,666	1	100	11,719	8,316	894	2,484	25	91,831	90,222	1,609	167,837	29
28	14,870			1	250	4,716	890	868	2,958		21,791	20,688	1,103	74,597	30
33	14,901					5,759	390	290	2,909	2,170	27,257	26,973	284	85,761	31
41	19,410					3,346	2,403	170	673	100	25,044	24,953	91	71,805	32
7	4,300					692	410	24	258		7,575	7,530	45	15,900	33
18	7,620					1,709	510	19	1,180		17,200	16,900	300	29,644	34
11	3,564	6	2,530			8,030	5,350	491	2,139	50	27,098	26,067	1,031	79,366	35
11	6,058					184		75	109		6,690	6,570	120	23,700	36
72	33,718			1	156	6,646	2,058	579	3,509	500	114,771	114,031	740	197,740	37
35	17,809	8	1,600			4,049	1,460	337	1,555	697	22,118	20,574	1,544	59,810	38
276	133,544	48	16,928	98	13,984	55,504	13,580	4,644	32,014	5,266	127,066	115,566	11,500	633,125	39
99	44,414			1	150	19,381	7,516	3,314	7,951	600	193,491	189,441	4,050	371,143	40
78	39,481					8,754	4,128	1,570	3,056		86,469	84,523	1,946	184,244	41
115	57,512	9	1,482	5	900	26,976	4,133	491	22,352		68,924	67,865	1,059	197,155	42
24	10,519					8,774	5,889	796	2,089		15,038	13,862	1,176	66,159	43
223	181,650	7	2,500	1	200	37,328	1,430	3,794	31,704	400	2,004,540	1,657,844	346,696	2,567,273	44

picture frames, 2; mattresses and spring beds, 1; patent medicines and compounds, 1; slaughtering and meat packing, wholesale, 1; upholstering materials, 1; vinegar and cider, 1; wood preserving, 1.

IN CITIES: 1900.

619	$329,868	97	$20,214	9	$1,853	$193,262	$29,656	$6,936	$138,163	$18,507	$780,351	$702,442	$27,909	$1,762,147	1
498	270,479	85	17,440	3	1,000	159,694	23,678	5,038	113,771	17,207	563,376	540,874	22,502	1,411,411	2
121	59,389	12	2,774	6	853	33,568	5,978	1,898	24,392	1,300	166,975	161,568	5,407	350,756	3

TENNESSEE.

Table 1 shows the manufacturing and mechanical industries of the state of Tennessee as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

	DATE OF CENSUS.						PER CENT OF INCREASE.				
	1900	1890	1880	1870	1860	1850	1890 to 1900	1880 to 1890	1870 to 1880	1860 to 1870	1850 to 1860
Number of establishments	8,016	4,559	4,326	5,317	2,572	2,887	75.8	5.4	[1]18.6	106.7	[1]10.9
Capital	$71,814,038	$51,475,092	$20,092,845	$15,595,295	$14,426,261	$6,527,729	39.5	156.2	28.8	8.1	121.0
Salaried officials, clerks, etc., number	3,678	[2]5,272	(3)	(3)	(3)	(3)	[1]30.3				
Salaries	$3,261,347	[2]$3,342,171	(3)	(3)	(3)	(3)	[1]2.4				
Wage-earners, average number	50,504	37,487	22,445	19,412	12,528	12,039	34.7	67.0	15.6	54.9	4.1
Total wages	$16,647,638	$13,557,180	$5,254,775	$5,390,630	$3,370,687	$2,247,492	22.8	158.0	[1]2.5	59.9	50.0
Men, 16 years and over	42,492	32,644	19,575	17,663	11,582	11,080	30.2	66.8	10.8	52.5	4.5
Wages	$15,201,266	$12,703,062	(3)	(3)	(3)	(3)	19.7				
Women, 16 years and over	5,841	3,273	1,196	1,089	946	959	78.5	173.7	9.8	15.1	[1]1.4
Wages	$1,197,214	$679,068	(3)	(3)	(3)	(3)	76.3				
Children, under 16 years	2,171	1,570	1,674	660	(3)	(3)	38.2	[1]6.2	153.6		
Wages	$249,158	$175,050	(3)	(3)	(3)	(3)	42.3				
Miscellaneous expenses	$6,235,557	$4,126,271	(4)	(4)	(4)	(4)	51.1				
Cost of materials used	$63,857,511	$40,463,782	$23,834,262	$19,657,027	$9,416,514	$5,166,886	57.8	69.8	21.3	108.8	82.2
Value of products, including custom work and repairing	$108,144,565	$72,355,286	$37,074,836	$34,362,636	$17,987,225	$9,725,608	49.5	95.2	7.9	91.0	84.9
Total population	2,020,616	1,767,518	1,542,359	1,258,520	1,109,801	1,002,717	14.3	14.6	22.6	13.4	10.7
Wage-earners engaged in manufactures	50,504	37,487	22,445	19,412	12,528	12,039	34.7	67.0	15.6	54.9	4.1
Per cent of total population	2.5	2.1	1.5	1.5	1.1	1.2					
Assessed value of real estate	[5]$291,865,380	$202,872,811	$195,644,200	$223,035,375	$219,991,180	$107,981,793	[1]0.3	49.7	[1]12.3	1.4	103.7
Value of land and buildings invested in manufactures[6]	$20,376,048	$13,705,247	(3)	(3)	(3)	(3)	48.7				
Per cent of assessed value	7.0	4.7									

[1] Decrease.
[2] Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)
[3] Not reported separately.
[4] Not reported.
[5] As given in the Biennial Report of the Comptroller of the Treasury of the State of Tennessee, 1899-1900.
[6] Does not include value of rented property.

Table 1 shows that there has been a large growth in the manufacturing and mechanical industries of Tennessee during the half century. The population during these years increased from 1,002,717 to 2,020,616, or 101.5 per cent, while the average number of wage-earners employed in manufacturing establishments increased from 12,039 to 50,504, or 319.5 per cent, embracing, in 1900, 2.5 per cent of the entire population, compared with 1.2 per cent in 1850. Probably the best indication of the importance of the wage-earning class is afforded by the greatest number employed at any one time during the year. In 1900 this was 73,364, or 3.6 per cent of the total population of the state. Although the greatest percentage of increase in the value of products, 95.2, is shown for the decade ending with 1890, the greatest absolute increase, $35,789,279, occurred during the decade ending with 1900.

The manufactures of Tennessee are based largely upon natural resources. Since 1880 the increase in the more important manufactures has been marked. Mineral deposits—including iron and copper ores and coal—largely neglected until within the last twenty-five years, are the chief causes of this growth. Fields of coal of excellent coking quality underlie 5,100 square miles of the state, and the production in 1899 amounted to 3,330,659 short tons,[1] or nearly twice the production of 1889. In 1899 Tennessee ranked thirteenth among the states in coal production.

Tennessee is traversed by several trunk railways. In 1900 its mileage aggregated 3,137 miles, or 7.51 miles per 100 square miles of territory, as compared with an average of 6.51 miles for the United States.[2] The state has also several navigable rivers. The Mississippi River, its western boundary, furnishes communication with the entire Mississippi Valley. Manufactures are fairly well distributed and diversified, those based upon grain and lumber predominating in the central and western sections, and those based upon minerals in the eastern part.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for eleemosynary and penal institutions, and establishments with a product of less than $500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

[1] United States Geological Survey: Mineral Resources, 1899, Metallic Products, Coal, and Coke, page 338.
[2] Interstate Commerce Commission: Statistics of Railways in the United States, 1900, pages 12 and 13.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	COST OF MATERIALS USED. Total.	COST OF MATERIALS USED. Purchased in raw state.	COST OF MATERIALS USED. Purchased in partially manufactured form.	COST OF MATERIALS USED. Fuel, freight, etc.	Value of products, including custom work and repairing.
Total	12,892	$73,058,723	15,242	52,552	$16,702,326	$6,278,929	$64,214,331	$29,690,075	$30,447,252	$4,077,004	$109,315,485
Hand trades[1]	2,308	2,857,500	2,758	4,755	1,947,721	600,579	3,871,809	41,114	3,222,519	108,176	8,280,691
Eleemosynary and penal institutions	5	69,700	--------	3	1,140	502	39,517	28,847	10,390	280	96,736
Establishments with a product of less than $500	4,871	1,174,985	5,424	2,045	53,548	42,870	317,303	95,488	220,544	1,271	1,074,134
All other establishments	5,708	68,956,538	7,060	45,749	14,699,917	5,634,978	60,485,702	29,524,626	26,993,799	3,967,277	99,863,874

[1] Includes bicycle and tricycle repairing, 35; blacksmithing and wheelwrighting, 1,007; boots and shoes, custom work and repairing, 196; carpentering, 183; clothing, men's, custom work and repairing, 141; clothing, women's, dressmaking, 77; dyeing and cleaning, 39; furniture, cabinetmaking, repairing, and upholstering, 80; lock and gun smithing, 26; masonry, brick and stone, 29; millinery, custom work, 193; painting, house, sign, etc., 72; paper hanging, 10; plastering and stuccowork, 9; plumbing, and gas and steam fitting, 66; sewing machine repairing, 4; watch, clock, and jewelry repairing, 141.

Of the 12,892 establishments of all classes shown in this table, 7,179, or 55.7 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments, consisting principally of the sums received for custom work and repairing, amounted to $9,354,875, or only 8.6 per cent of the total value of the products of the state.

In addition to the 12,892 active establishments in the state during the census year, with a capital of $73,058,723, shown in Table 2, there were 128 idle establishments, with a capital of $1,469,568, divided as follows:

INDUSTRIES.	Number of idle establishments.	Capital.	INDUSTRIES.	Number of idle establishments.	Capital.
Brick and tile	15	$220,866	Leather, tanned, curried, and finished	5	$39,673
Cars, steam railroad, not including operations of railroad companies	1	556,426	Lumber and timber products	24	74,813
Cotton, ginning	20	22,592	Marble and stone work	1	13,000
Flouring and grist mill products	14	20,753	Pottery, terra cotta, and fire-clay products	2	4,600
Foundry and machine shop products	1	14,500	Tobacco, stemming and rehandling	1	10,750
Ice, manufactured	3	31,575	Woolen goods	3	3,725
Iron and steel	8	450,650	All other industries	35	5,645

TABLE 3.—COMPARATIVE SUMMARY OF TEN LEADING INDUSTRIES.

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for selected industries for state	1900	3,792	$44,322,064	28,636	$9,150,779	$2,410,357	$45,230,726	$67,623,165
	1890	2,102	32,013,955	21,596	7,039,852	1,818,447	28,375,195	43,628,019
Increase, 1890 to 1900	--------	1,690	12,308,109	7,040	2,110,927	591,910	16,855,531	23,995,155
Per cent of increase	--------	80.4	38.4	32.6	30.0	32.6	59.4	55.0
Per cent of total of all industries in state	1900	47.8	61.7	56.7	55.0	38.7	70.8	62.5
	1890	46.1	62.2	57.6	51.9	44.1	70.1	60.3
Cars and general shop construction and repairs by steam railroad companies.	1900	16	1,319,628	2,817	1,459,319	66,765	1,528,363	3,113,053
	1890	10	1,198,940	1,772	995,287	--------	593,819	1,605,778
Flouring and grist mill products	1900	1,618	5,931,037	1,154	544,722	278,851	18,491,948	21,798,929
	1890	918	4,964,437	1,417	402,958	184,936	10,592,752	12,474,284
Foundry and machine shop products	1900	97	3,768,565	3,282	1,185,211	220,288	2,199,081	4,479,489
	1890	68	4,348,579	2,620	1,206,152	228,927	1,914,408	4,427,187
Iron and steel	1900	16	5,381,165	1,979	589,304	226,365	3,404,154	5,080,624
	1890	15	4,613,355	1,472	657,075	276,869	2,943,671	4,247,868
Leather, tanned, curried, and finished	1900	44	3,444,197	803	239,870	91,197	2,184,311	2,802,117
	1890	60	782,280	612	186,469	81,785	755,767	1,266,556
Lumber and timber products	1900	1,732	12,900,595	11,192	3,424,510	402,409	10,008,275	18,127,781
	1890	820	7,259,027	7,424	1,860,008	354,376	5,045,906	9,073,686
Lumber, planing mill products, including sash, doors, and blinds.	1900	88	1,343,381	1,170	452,079	85,198	1,330,800	2,323,247
	1890	78	2,283,737	1,498	759,088	104,017	1,926,674	3,450,243
Oil, cottonseed and cake	1900	17	1,996,791	751	204,219	183,222	2,277,855	2,980,041
	1890	15	1,838,204	1,080	183,444	220,051	1,748,958	2,504,741
Textiles: Total	1900	72	6,384,194	4,251	790,031	239,289	2,266,543	3,907,279
	1890	69	4,322,336	3,051	635,610	230,116	2,525,198	3,724,138
Cotton goods	1900	17	3,767,726	2,108	422,935	142,878	1,143,234	1,994,935
	1890	20	2,928,657	2,124	444,573	173,853	1,765,162	2,507,719
Hosiery and knit goods	1900	4	216,950	511	72,980	10,270	248,950	395,150
	1890	--------	--------	--------	--------	--------	--------	--------

TABLE 3.—COMPARATIVE SUMMARY OF TEN LEADING INDUSTRIES—Continued

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Textiles—Continued.								
Woolen goods	1900	51	$2,399,518	1,632	$294,116	$86,141	$874,359	$1,517,194
	1890	49	1,393,679	927	191,037	56,263	760,036	1,216,419
Tobacco:								
Total	1900	92	1,852,511	1,237	311,514	621,773	1,539,306	3,010,602
	1890	54	458,110	700	153,761	187,370	328,017	853,529
Chewing, smoking, and snuff	1900	35	1,318,414	615	152,048	557,149	516,369	1,541,475
	1890	24	358,932	531	77,766	152,849	212,268	577,690
Cigars and cigarettes	1900	35	90,547	161	80,228	35,708	118,738	290,647
	1890	25	90,953	139	72,563	33,283	84,442	296,807
Stemming and rehandling	1900	22	443,550	461	79,243	28,916	904,289	1,178,480
	1890	5	8,225	30	3,432	1,238	31,337	39,032

The 10 leading industries of the state in 1900, as shown in Table 3, embraced 3,792 establishments, or 47.3 per cent of the total number in the state; used a capital of $44,322,064, or 61.7 per cent of the total; gave employment to 28,636 wage-earners, or 56.7 per cent of the total number; and paid $9,150,779, or 55 per cent of the total wages. The value of their products was $67,623,165, or 62.5 per cent of the total. In the discussion of Table 3, which follows, these industries are ranked with reference to the value of their products.

Table 3 shows that the manufacture of flouring and grist mill products is the most important industry in the state. The 1,618 establishments reported in 1900 gave employment to 1,154 wage-earners, or 2.3 per cent of the wage-earners employed in the state, and the products were valued at $21,798,929, or 20.3 per cent of the total value of the products of the state. In 1890 there were 918 establishments, 1,417 wage-earners, and products valued at $12,474,284. The increase in the value of products during the decade was $9,324,645, or 74.8 per cent. Tennessee has good waterpower and excellent distributing facilities. Flour and grist mills are found in all parts of the state, though Nashville is the chief center of the industry. Knoxville is the milling center of the eastern section of the state, and the industry is rising into importance at Memphis.

The manufacture of lumber and timber products ranks second among the industries of the state, with 1,732 establishments, 11,192 wage-earners, and products valued at $18,127,784. In 1890 there were 820 establishments, 7,424 wage-earners, and products valued at $9,073,686. The increase in the value of products during the decade was $9,054,098, or 99.8 per cent. The forests of Tennessee contain many species of trees, and are among the best in the United States. The most valuable timbers in the eastern part of the state include oak, ash, hickory, maple, poplar, and chestnut. The Tennessee River and its tributaries bring the logs from the mountains down to Chattanooga and Bristol, which are leading manufacturing points. Nashville is the principal lumber manufacturing city in the central part of the state. Poplar, the timber most used there, is found in comparative abundance in the northern and central counties of eastern and central Tennessee, and in the river counties of western Tennessee. It is adapted to all purposes of house building, both for construction and outside and inside finish. Oak ranks next in importance. Ash is used for the inside finish of houses and for the manufacture of agricultural implements. For the latter purpose it ranks next to hickory, which is used almost exclusively for wagons, carriages, and handles. The scarcity of walnut and cherry has led to the increasing use of oak, maple, birch, sycamore, and poplar in the manufacture of furniture. Quantities of these timbers are shipped to other states of the Union, to Canada and Mexico, and to Great Britain and other European countries. Memphis is the headquarters of the lumber manufacture in western Tennessee. The chief varieties cut in this section are poplar, white oak, ash, hickory, sycamore, and cypress. Much of it is shipped to the North in the form of planks and staves.

There were 16 establishments engaged in 1900 in the manufacture of iron and steel, the industry third in rank, with 1,979 wage-earners, and products valued at $5,080,624. In 1890 there were 15 establishments, 1,472 wage-earners, and products valued at $4,247,868. The increase in the value of products during the decade was $832,756, or 19.6 per cent. This industry has been stimulated by abundant deposits of fuel and ore. Coking coal of excellent quality is found in the Cumberland region, the state in 1899 being sixth in rank among the coke-producing states, with a production of 380,525 short tons. This was an increase of 23,561 tons, or 6.6 per cent, over the production of 1889.[1] The three chief iron-producing districts correspond, in a general way, to the location of the iron ore deposits. The eastern district comprises the counties of Johnson, Sullivan, and Washington; the Chattanooga district, the most important of the three, includes the counties of Roane, Rhea, Hamilton, Marion, and Franklin; and the central district embraces the counties of Montgomery, Stewart, Dickson, Hickman, Lewis, Lawrence, and Wayne. The

[1] See special report on Coke.

furnaces in the last-named district rely chiefly upon charcoal, though some of them have recently begun the use of coke.

There were 97 establishments engaged in the manufacture of foundry and machine shop products in 1900, with 3,282 wage-earners, and products valued at $4,479,489. In 1890 there were 68 establishments, 2,620 wage-earners, and products valued at $4,427,187. The increase in the value of products during the decade was $52,302, or 1.2 per cent.

There were 72 establishments engaged in the manufacture of textiles in 1900, with 4,251 wage-earners, and products valued at $3,907,279. In 1890 there were 69 establishments, 3,051 wage-earners, and products valued at $3,724,138. The increase in the value of products during the decade was $183,141, or 4.9 per cent. Tennessee possesses facilities for the ordinary textile manufactures, the eastern section being well adapted to the production of wool. Knoxville has a large woolen mill, and small woolen mills are scattered over the eastern and central sections. No factories for the manufacture of hosiery and knit goods were reported in 1890; in 1900 there were 4.

There were 16 establishments engaged in car construction and general shop work of steam railroad companies in 1900, with 2,817 wage-earners, and products valued at $3,113,053. In 1890 there were 10 establishments, 1,772 wage-earners, and products valued at $1,605,778. The increase in the value of products during the decade was $1,507,275, or 93.9 per cent.

There were 92 establishments engaged in the manufacture of tobacco in 1900, with 1,237 wage-earners, and products valued at $3,010,602. In 1890 there were 54 establishments, 700 wage-earners, and products valued at $853,529. The increase in the value of products during the decade was $2,157,073, or 252.7 per cent. In addition to the ordinary varieties, Tennessee produces several kinds of fine tobaccos, the most important being the bright tobaccos of Greene county and the fine red shipping tobaccos of the Clarksville district.

There were 17 establishments engaged in the manufacture of cottonseed oil and cake in 1900, with 751 wage-earners, and products valued at $2,980,041. In 1890 there were 15 establishments, 1,030 wage-earners, and products valued at $2,504,741. The increase in the value of products during the decade was $475,300, or 19 per cent. The industry is carried on most extensively in the western section of the state, centering at Memphis.

There were 44 establishments engaged in the manufacture of leather in 1900, with 803 wage-earners, and products valued at $2,802,117. In 1890 there were 60 establishments, 612 wage-earners, and products valued at $1,266,556. The increase in the value of products during the decade was $1,535,561, or 121.2 per cent.

There were 88 establishments engaged in the manufacture of planing mill products in 1900, with 1,170 wage-earners, and products valued at $2,323,247. In 1890 there were 73 establishments, 1,498 wage-earners, and products valued at $3,450,243. The decrease in the value of products during the decade was $1,126,996, or 32.7 per cent.

URBAN MANUFACTURES.

Table 4 shows the totals for the manufacturing and mechanical industries of the cities of Chattanooga, Knoxville, Memphis, and Nashville, as returned at the censuses of 1890 and 1900, with the percentages of increase.

TABLE 4.—COMPARATIVE SUMMARY, CHATTANOOGA, KNOXVILLE, MEMPHIS, AND NASHVILLE, 1890 AND 1900, WITH PER CENT OF INCREASE.

	Year.	Number of establishments.	Capital.	Wage-earners.		Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
				Average number.	Total wages.			
The State	1900	8,016	$71,814,038	50,504	$16,647,638	$6,235,557	$63,857,511	$108,144,565
	1890	4,559	51,475,092	37,487	13,557,180	4,126,271	40,463,782	72,355,286
Per cent of increase		75.8	39.5	34.7	22.8	51.1	57.8	49.5
Chattanooga	1900	332	8,103,870	5,472	1,889,795	778,998	7,322,503	12,033,780
	1890	294	7,405,646	5,200	2,246,528	909,518	4,937,902	10,216,109
Per cent of increase		12.9	9.4	5.2	[1]15.9	[1]14.4	48.3	17.8
Knoxville	1900	218	5,151,130	4,714	1,473,543	306,795	3,877,772	6,943,595
	1890	205	3,045,661	2,746	1,355,566	261,707	2,464,914	5,020,116
Per cent of increase		6.3	69.1	71.7	8.7	17.2	57.3	38.3
Memphis	1900	659	11,189,249	8,433	3,641,435	1,078,649	9,656,969	17,923,059
	1890	345	9,357,821	5,497	2,542,264	813,951	7,090,190	13,244,538
Per cent of increase		91.0	19.6	53.4	43.2	32.5	36.2	35.3
Nashville	1900	489	13,173,422	8,447	2,889,241	1,440,394	10,472,173	18,469,823
	1890	420	9,904,295	7,275	3,052,444	681,619	7,994,751	14,590,823
Per cent of increase		16.4	33.0	16.1	[1]5.3	111.3	31.0	26.6
Total for 4 cities	1900	1,698	37,617,671	27,066	9,894,014	3,604,836	31,329,417	55,370,257
	1890	1,264	29,713,423	20,718	9,196,797	2,666,795	22,487,757	43,071,586
Per cent of increase		34.3	26.6	30.6	7.6	35.2	39.3	28.6
Per cent of 4 cities to total for state	1900	21.2	52.4	53.6	59.4	57.8	49.1	51.2
	1890	27.7	57.7	55.3	67.8	64.6	55.6	59.5

[1] Decrease.

It appears from Table 4 that there has been a considerable increase during the past decade in the combined manufactures of these 4 cities. The number of establishments increased from 1,264 to 1,698, or 34.3 per cent; the average number of wage-earners from 20,718 to 27,066, or 30.6 per cent; and the value of products from $43,071,586 to $55,370,257, or 28.6 per cent. The percentage of increase in each of these particulars was smaller in these 4 cities than in the state as a whole. The city of Knoxville shows the most rapid growth, the value of products having increased from $5,020,116 in 1890 to $6,943,595 in 1900, or 38.3 per cent. In Nashville, the leading manufacturing city, the number of establishments increased from 420 to 489, or 16.4 per cent; the number of wage-earners from 7,275 to 8,447, or 16.1 per cent; and the value of products from $14,590,823 to $18,469,823, or 26.6 per cent. The number of establishments, number of wage-earners, and value of products in this city in 1900 constituted 6.1, 16.7, and 17.1 per cent, respectively, of the totals for the state.

Table 5 presents the totals for the manufacturing industries of the 18 cities and towns withdrawn from the enumerators, places them in comparison with the totals for the entire state and the state exclusive of these cities and towns, and shows their rank in population and in value of products.

TABLE 5.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	Cost of materials used.	PRODUCTS.			POPULATION.		
				Average number.	Total wages.			Value.	Rank.	Per cent of total.	Total.	Rank.	Per cent of total.
Total for state	8,016	$71,814,038	9,818	50,504	$16,647,638	$6,235,557	$63,857,511	$108,144,565	-------	100.0	2,020,616	-------	100.0
Total for urban manufactures	2,416	47,014,199	2,702	34,093	11,967,174	4,385,982	39,772,026	69,411,208	-------	64.2	311,872	-------	15.4
Bristol	59	742,605	66	511	138,898	109,020	533,743	988,078	11	0.9	5,271	8	0.3
Brownsville	25	78,554	34	59	15,240	10,711	68,338	128,432	18	0.1	2,645	15	0.1
Chattanooga	332	8,103,870	332	5,472	1,889,795	778,998	7,322,503	12,033,780	3	11.1	30,154	4	1.5
Clarksville	105	1,402,405	131	912	247,202	257,310	1,698,720	2,765,876	5	2.6	9,431	6	0.5
Cleveland	29	238,785	30	453	97,653	15,832	267,301	464,412	16	0.4	3,858	10	0.2
Columbia	167	574,789	191	648	198,636	43,985	775,165	1,221,168	8	1.1	6,052	7	0.3
Dayton	21	621,268	22	606	134,030	20,272	952,783	1,332,591	7	1.2	2,004	17	0.1
Dyersburg	36	532,375	38	233	88,364	27,198	397,782	638,926	13	0.6	3,647	11	0.2
Harriman	38	473,018	37	325	87,231	14,408	449,311	615,441	14	0.6	3,442	12	0.2
Humboldt	30	177,563	41	188	51,593	13,290	142,616	267,411	17	0.2	2,866	14	0.1
Jackson	84	1,123,632	87	1,205	407,340	75,371	847,514	1,894,149	6	1.8	14,511	5	0.7
Johnson City	45	1,239,406	51	549	121,934	29,383	607,688	1,046 537	10	1.0	4,645	9	0.2
Knoxville	218	5,151,130	255	4,714	1,473,543	306,795	3,877,772	6,943,595	4	6.4	32,637	3	1.6
Memphis	659	11,189,249	715	8,433	3,641,435	1,078,649	9,656,969	17,923,059	2	16.6	102,320	1	5.0
Nashville	489	13,173,422	587	8,447	2,889,241	1,440,394	10,472,173	18,469,823	1	17.1	80,865	2	4.0
South Pittsburg	20	1,664,410	20	678	205,288	130,725	736,211	1,188,616	9	1.1	1,789	18	0.1
Trenton	24	312,948	29	469	165,646	16,761	582,121	930,849	12	0.9	2,328	16	0.1
Union City	35	215,670	36	191	59,705	16,880	383,316	558,470	15	0.5	3,407	13	0.2
Total for state exclusive of urban manufactures	5,600	24,799,839	7,116	16,411	4,680,464	1,849,575	24,085,485	38,738,357	-------	35.8	1,708,744	-------	84.6
Per cent of urban manufactures to total for state	30.1	65.5	27.5	67.5	71.9	70.3	62.3	64.2	-------	-------	15.4	-------	-------

Of the 8,016 establishments in the state, 2,416, or 30.1 per cent, were located in these 18 cities and towns. They furnished employment to 34,093 wage-earners, or 67.5 per cent of the total number, and the value of their products, $69,411,208, formed 64.2 per cent of the total for the state.

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the cities of Chattanooga, Knoxville, Memphis, and Nashville by specified industries.

Table 9 shows the totals for the cities and towns withdrawn from the enumerators, exclusive of those shown in Table 8.

TABLE 6.—MANUFACTURES

	COUNTIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	The State	8,016	$71,814,038	$7,889,887	$12,486,161	$20,396,865	$31,041,125	9,818	3,673	$3,261,347	50,504	$16,647,638
2	Anderson	70	224,389	89,575	11,620	43,994	79,200	92	3	780	134	40,512
3	Bedford	83	432,154	47,240	105,184	158,942	125,788	110	4	2,917	214	53,225
4	Benton	35	66,666	6,925	3,110	26,406	30,225	50	------	------	41	10,420
5	Bledsoe	25	57,592	12,935	7,834	28,658	8,165	32	1	300	16	4,692
6	Blount	75	375,166	66,640	44,169	140,034	124,323	97	11	3,323	242	55,569
7	Bradley	84	364,385	37,765	45,585	124,170	156,865	104	24	17,500	580	129,493
8	Campbell	83	195,939	62,540	27,860	60,677	44,862	85	8	3,207	145	44,172
9	Cannon	39	50,205	4,940	10,892	23,335	11,038	49	------	------	34	8,585
10	Carroll	91	246,531	23,456	28,675	95,194	99,207	137	10	2,585	217	47,301
11	Carter	74	286,068	46,975	42,090	94,056	102,947	84	20	14,260	250	63,825
12	Cheatham	23	130,010	32,490	27,025	51,420	19,075	30	7	7,800	88	22,018
13	Chester	43	78,911	6,570	5,915	31,453	34,973	68	------	------	72	21,217
14	Claiborne	67	163,736	19,194	21,880	113,344	9,318	74	13	7,551	112	27,094
15	Clay	21	21,930	405	1,175	13,290	7,060	26	------	------	25	6,079
16	Cocke	78	550,883	27,922	38,462	81,400	403,099	89	2	2,580	155	42,790
17	Coffee	69	469,951	54,234	55,400	162,219	198,098	84	27	19,010	369	101,727
18	Crockett	54	112,945	17,250	13,920	54,630	27,145	75	------	------	75	17,081
19	Cumberland	26	32,188	7,233	2,920	12,990	9,045	34	------	------	39	9,503
20	Davidson	581	15,048,168	1,109,293	2,528,028	4,472,069	6,938,773	686	1,098	939,154	9,436	3,187,155
21	Decatur	38	75,661	11,347	4,040	27,704	32,570	53	------	------	50	18,948
22	Dekalb	47	71,548	7,803	12,965	38,675	12,105	50	1	375	27	7,520
23	Dickson	79	337,028	63,705	73,111	95,324	154,888	109	13	9,995	392	122,155
24	Dyer	70	746,213	181,053	62,112	216,307	286,741	79	28	20,700	454	154,183
25	Fayette	52	90,579	4,680	17,070	58,950	9,879	64	8	2,050	66	14,358
26	Fentress	21	41,545	5,710	3,885	19,875	12,075	29	------	------	15	4,658
27	Franklin	59	384,793	91,249	63,670	95,130	84,744	66	22	17,220	231	72,327
28	Gibson	153	773,381	69,708	113,268	274,178	316,227	213	40	22,201	877	282,872
29	Giles	109	304,846	15,360	41,515	100,450	147,521	148	12	4,050	237	65,874
30	Grainger	45	60,188	11,185	7,720	31,845	9,438	58	------	------	31	10,265
31	Greene	108	376,644	13,649	70,530	107,667	184,798	132	8	12,300	178	50,054
32	Grundy	24	204,082	86,271	13,785	75,385	28,641	24	3	1,601	183	43,680
33	Hamblen	61	172,651	11,300	21,000	70,246	70,105	73	16	6,240	81	22,594
34	Hamilton	394	9,254,228	723,690	1,559,401	2,117,672	4,848,456	399	573	538,245	6,228	2,133,583
35	Hancock	28	24,623	2,957	4,870	14,000	2,796	32	------	------	8	1,798
36	Hardeman	69	111,920	4,881	13,445	49,899	44,195	90	8	8,479	124	45,679
37	Hardin	64	122,549	25,522	14,440	57,074	25,513	85	5	610	118	27,982
38	Hawkins	81	89,209	6,927	22,285	46,039	13,958	92	7	1,300	64	19,174
39	Haywood	85	294,547	60,155	23,075	107,849	103,468	115	12	4,581	230	62,030
40	Henderson	72	123,541	8,617	9,562	60,631	44,731	110	1	720	108	28,814
41	Henry	94	253,637	16,490	29,770	98,818	108,559	111	12	5,450	313	87,604
42	Hickman	76	477,239	66,054	62,345	141,920	206,920	121	13	9,800	318	80,094
43	Houston	20	151,690	53,745	12,825	22,850	62,270	28	9	6,880	228	62,732
44	Humphreys	67	202,194	23,962	17,383	60,092	100,757	81	8	2,590	172	50,684
45	Jackson	35	53,930	8,591	6,859	19,338	19,142	50	1	300	37	14,269
46	James	20	123,462	6,998	13,296	46,175	56,993	28	7	15,625	48	16,222
47	Jefferson	90	229,905	24,785	32,005	84,226	88,889	115	15	8,100	127	27,170
48	Johnson	42	45,742	7,865	10,007	22,190	5,680	68	1	300	19	5,345
49	Knox	336	6,182,808	416,567	786,515	2,449,024	2,530,702	394	326	310,897	5,479	1,686,823
50	Lake	30	263,083	59,825	20,585	76,738	105,935	36	7	2,843	163	56,031
51	Lauderdale	82	313,535	112,330	27,500	99,362	74,343	109	9	1,935	219	64,031
52	Lawrence	84	240,045	35,965	28,170	96,817	79,093	125	10	3,600	391	100,153
53	Lewis	24	323,302	19,390	138,523	51,210	114,179	30	10	7,637	96	40,419
54	Lincoln	103	268,148	19,458	44,285	106,250	98,155	132	9	5,470	215	65,759
55	Loudon	56	873,936	159,785	256,645	243,280	214,226	68	14	18,480	311	93,064
56	McMinn	81	366,702	29,110	51,234	128,997	157,361	96	12	9,990	231	53,036
57	McNairy	64	112,068	31,526	10,605	48,823	21,109	84	1	300	76	17,650
58	Macon	39	68,102	6,330	5,252	31,000	25,520	52	1	300	77	22,857
59	Madison	139	1,279,914	93,699	194,545	369,038	622,632	163	116	86,164	1,335	503,366
60	Marion	53	1,884,347	167,816	895,720	205,354	615,457	63	31	30,981	796	236,066
61	Marshall	60	160,605	10,715	18,002	63,820	67,978	87	5	2,680	259	67,253
62	Maury	244	776,844	98,230	139,255	256,298	283,061	297	36	26,956	753	233,087
63	Meigs	25	64,338	26,545	7,475	26,850	3,368	44	------	------	19	5,468
64	Monroe	78	309,696	10,745	46,364	139,071	113,016	88	17	14,823	409	89,791
65	Montgomery	159	1,543,014	115,687	274,071	271,664	881,592	200	115	110,171	994	269,793
66	Moore	23	106,219	10,004	15,085	14,225	66,905	25	3	2,250	40	10,727
67	Morgan	38	156,414	55,522	5,410	40,197	55,285	52	5	2,500	87	23,256
68	Obion	99	596,542	76,896	72,654	179,117	267,875	124	28	19,410	421	147,364
69	Overton	55	82,310	16,130	5,805	27,800	32,575	68	6	6,000	47	16,477
70	Perry	37	88,334	9,775	7,777	25,813	45,469	44	------	------	61	15,170
71	Pickett	15	15,910	1,725	2,197	6,965	5,023	17	------	------	8	2,090
72	Polk	43	289,408	50,108	51,270	47,623	140,407	48	9	12,000	191	66,405
73	Putnam	66	284,489	29,965	20,067	64,194	170,263	70	17	15,540	225	63,782
74	Rhea	45	672,703	7,280	391,450	143,676	130,297	47	11	6,160	648	144,510
75	Roane	110	1,449,838	138,940	578,648	278,866	453,884	116	47	38,355	600	179,363
76	Robertson	67	392,057	23,282	46,120	81,095	241,560	91	7	4,370	199	53,662

BY COUNTIES: 1900.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.										Value of products, including custom work and repairing.	
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
42,492	$15,201,266	5,841	$1,197,214	2,171	$249,158	$6,235,557	$591,863	$410,178	$4,732,921	$500,595	$63,857,511	$61,164,386	$2,693,125	$108,144,565	1
131	39,777	1	450	2	285	3,581	517	742	2,262	60	143,871	143,408	463	260,857	2
158	47,628	39	4,958	17	1,239	15,739	1,055	1,444	13,240	------	378,696	373,739	4,957	540,566	3
39	10,230	------	------	2	190	2,118	466	204	1,448	------	47,526	47,034	492	83,375	4
15	4,472	------	------	1	220	519	49	345	125	------	36,522	36,401	121	62,557	5
153	43,094	58	9,825	31	2,650	9,220	839	1,629	6,652	100	327,365	323,882	3,483	478,059	6
293	81,584	233	41,429	54	6,420	17,662	1,702	1,829	6,981	7,150	404,599	398,519	6,080	699,348	7
133	41,972	7	1,885	5	315	6,401	1,091	786	4,524	------	147,586	146,655	931	259,349	8
32	8,424	------	------	2	161	3,747	414	310	3,023	------	68,470	67,777	693	106,118	9
201	45,125	6	1,273	10	903	8,967	978	979	7,010	------	266,962	262,590	4,372	418,905	10
208	58,523	23	3,961	19	1,341	15,887	740	1,777	13,370	------	349,365	348,028	1,337	564,864	11
79	21,018	------	------	9	1,000	15,624	70	994	14,560	------	132,314	128,304	4,010	211,380	12
65	19,772	3	870	4	575	2,874	433	519	1,922	------	74,235	73,284	951	140,920	13
112	27,094	------	------	------	------	6,880	4,514	525	1,841	------	107,082	106,648	434	186,957	14
25	6,079	------	------	------	------	1,257	583	133	391	150	23,575	23,431	144	45,575	15
144	41,641	4	440	7	709	57,173	1,169	2,747	53,207	50	632,991	632,051	940	829,977	16
338	97,333	6	660	25	3,784	87,083	2,156	1,989	82,923	15	471,081	464,409	6,672	837,417	17
73	16,640	2	441	------	------	3,263	343	679	2,241	------	103,594	101,295	2,299	187,271	18
38	9,403	------	------	1	100	1,234	155	175	904	------	28,233	28,119	114	55,796	19
7,825	2,761,933	1,715	380,165	396	45,057	1,499,381	121,907	96,203	952,260	329,011	12,451,775	12,241,457	210,318	21,028,999	20
50	13,948	------	------	------	------	1,620	178	286	486	720	68,692	68,228	464	135,012	21
20	6,556	3	540	4	430	2,187	130	451	1,606	------	89,955	88,468	1,487	137,710	22
367	117,504	2	236	23	4,415	12,161	1,387	1,175	9,599	------	349,785	281,053	68,732	584,840	23
436	151,208	9	1,710	9	1,265	38,399	8,230	4,049	31,120	------	634,448	626,198	8,250	1,046,684	24
64	13,758	1	450	1	150	2,806	656	558	1,532	60	29,466	27,317	2,149	86,825	25
14	4,458	------	------	1	200	691	38	295	358	------	25,241	25,163	78	42,675	26
204	69,182	9	1,680	18	1,515	53,426	1,213	1,930	50,249	34	902,409	888,282	14,127	1,181,547	27
745	261,922	59	13,589	73	7,361	48,163	3,777	4,506	38,530	1,350	1,081,582	1,062,386	19,196	1,758,578	28
230	64,769	4	600	8	505	40,621	2,358	1,102	36,711	450	484,337	477,709	6,628	749,828	29
31	10,265	------	------	------	------	2,019	215	462	1,342	------	95,126	94,966	160	147,382	30
136	42,272	26	6,427	16	1,855	55,016	1,092	2,055	51,819	50	331,181	327,693	3,488	572,332	31
177	42,420	1	150	5	1,110	7,614	455	726	6,433	------	124,620	124,568	52	201,718	32
69	20,678	11	1,700	1	216	14,956	2,886	1,404	10,366	300	384,328	380,128	4,200	489,465	33
5,534	1,998,173	528	116,993	166	18,417	1,161,077	60,989	49,509	1,004,348	46,281	8,191,542	7,728,842	462,700	13,839,811	34
8	1,798	------	------	------	------	4,351	30	277	4,015	29	45,240	44,848	392	59,202	35
119	44,901	2	390	3	388	3,334	1,222	545	2,067	------	108,939	106,840	2,099	244,542	36
114	27,562	1	152	3	268	9,618	615	483	8,520	------	107,295	105,188	2,107	215,037	37
53	17,817	7	757	4	600	5,898	552	626	4,685	35	206,415	205,767	648	288,808	38
220	60,185	6	1,354	4	491	14,418	3,000	1,165	3,271	6,982	175,302	171,953	3,349	395,546	39
103	28,110	------	------	5	695	4,815	675	748	3,392	------	132,388	131,012	1,376	227,494	40
259	78,780	36	6,800	18	1,984	70,147	2,895	1,385	65,767	100	351,110	346,686	4,424	635,367	41
308	78,156	7	1,548	3	300	5,164	906	932	3,216	60	395,465	352,896	42,569	616,127	42
191	58,550	------	------	37	4,182	3,604	572	989	2,043	------	205,713	196,391	9,322	333,306	43
165	48,870	4	1,420	3	394	4,505	730	487	3,288	------	167,056	165,822	1,234	298,191	44
23	13,619	------	------	9	650	8,891	278	211	8,402	------	62,925	62,385	540	103,333	45
48	16,222	------	------	------	------	6,422	154	321	5,932	15	103,029	101,237	1,792	182,683	46
74	20,768	28	3,940	25	2,462	11,077	1,730	997	7,792	558	247,967	245,040	2,927	355,235	47
19	5,345	------	------	------	------	6,136	48	555	5,533	------	53,957	53,691	266	83,247	48
3,834	1,441,254	1,347	217,860	298	27,709	365,251	55,721	27,421	278,585	3,524	4,615,472	4,492,634	122,838	8,262,561	49
156	54,171	2	910	5	950	5,053	603	1,627	2,753	70	134,715	133,409	1,306	313,259	50
185	58,458	16	3,460	18	2,113	4,984	1,442	970	2,572	------	186,817	182,969	3,848	395,906	51
312	90,000	54	7,870	25	2,283	7,002	894	996	5,024	88	318,387	316,177	2,210	567,380	52
96	40,419	------	------	------	------	4,524	54	974	3,496	------	162,873	90,255	72,618	261,859	53
198	63,163	9	1,750	8	846	16,942	1,871	1,268	13,053	750	373,320	368,758	4,562	595,693	54
306	92,160	2	180	3	724	17,308	1,977	1,936	13,395	------	756,868	741,519	14,849	921,489	55
140	42,468	70	9,102	21	1,516	6,681	396	2,467	3,813	5	434,270	429,538	4,732	627,940	56
73	17,343	------	------	3	307	3,412	353	545	2,514	------	79,088	77,374	1,664	155,873	57
75	22,692	1	115	1	50	1,604	12	335	1,257	------	111,159	110,463	696	192,116	58
1,204	474,626	125	27,970	6	770	80,170	9,614	8,715	61,741	100	947,154	921,529	25,625	2,093,845	59
759	229,577	13	2,320	24	4,169	143,132	1,855	7,353	127,899	6,025	897,868	646,329	251,539	1,458,700	60
236	55,698	45	10,648	8	907	9,507	1,805	873	7,309	20	265,796	262,791	3,005	432,270	61
604	205,756	108	22,906	41	4,425	50,361	8,204	4,683	35,251	2,223	1,178,885	1,160,511	18,374	1,759,870	62
15	4,814	2	360	2	294	829	150	321	358	------	47,382	46,853	529	72,913	63
200	60,779	96	17,638	113	11,379	14,813	930	1,784	11,149	950	371,298	367,239	4,059	552,689	64
777	237,852	136	23,906	81	8,035	261,062	23,006	7,246	224,910	5,900	1,840,617	1,766,459	74,158	2,990,908	65
39	10,477	1	250	------	------	20,024	240	491	19,288	5	62,678	58,923	3,755	132,028	66
85	22,980	------	------	2	276	2,378	154	581	1,643	------	81,440	81,270	170	147,937	67
365	137,710	51	9,056	5	598	25,480	3,209	3,505	18,676	------	870,781	859,867	10,914	1,326,016	68
45	15,727	2	750	------	------	1,379	471	372	536	------	98,544	98,276	268	169,924	69
50	13,670	8	1,248	3	252	1,062	161	270	631	------	83,398	82,615	783	128,208	70
8	2,090	------	------	------	------	115	------	60	55	------	15,920	15,875	45	28,822	71
179	64,484	------	------	12	1,921	7,683	2,500	1,088	4,045	------	289,363	289,678	49,685	588,177	72
210	61,623	------	------	15	2,159	11,788	371	1,283	10,034	50	217,728	216,090	1,638	420,187	73
640	143,468	2	320	6	722	22,505	1,229	2,308	18,918	50	1,041,135	711,588	329,547	1,457,361	74
564	174,469	10	1,854	26	3,040	41,114	2,683	6,181	31,850	400	1,058,189	845,813	212,376	1,511,721	75
177	55,500	1	400	21	2,762	201,768	1,089	1,601	198,778	300	382,884	376,657	6,227	779,484	76

TABLE 6.—MANUFACTURES

	COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
77	Rutherford	94	$395,257	$36,971	$65,695	$105,860	$186,731	113	15	$4,902	215	$64,512
78	Scott	42	428,469	60,603	90,857	106,930	170,079	51	10	11,320	224	64,577
79	Sequatchie	15	34,903	8,722	2,170	16,390	7,626	17	------	------	22	6,023
80	Sevier	83	146,234	30,640	8,945	42,430	14,219	101	------	------	88	19,455
81	Shelby	736	11,491,006	1,555,476	1,611,843	3,214,170	5,109,517	801	525	631,841	8,784	3,763,586
82	Smith	46	102,558	3,495	11,080	41,180	46,803	59	7	2,980	78	34,565
83	Stewart	50	251,117	41,931	10,020	37,724	161,442	65	1	780	201	57,657
84	Sullivan	130	865,813	192,629	106,842	164,344	401,998	157	66	42,986	580	158,013
85	Sumner	78	217,405	18,943	21,686	79,061	97,715	108	10	6,023	184	57,806
86	Tipton	59	192,508	38,866	27,285	90,530	35,827	79	12	3,355	90	23,585
87	Trousdale	17	59,600	13,500	8,300	21,590	16,210	22	1	1,000	29	10,645
88	Unicoi	25	110,215	25,295	10,710	43,085	31,125	25	6	1,980	95	34,414
89	Union	64	49,702	5,303	11,659	20,790	11,950	73	1	300	15	4,655
90	Van Buren	14	19,450	4,430	1,590	6,500	6,930	17	------	------	13	3,830
91	Warren	82	364,485	25,253	82,080	134,067	123,085	90	22	13,220	448	100,835
92	Washington	131	1,747,681	208,544	428,232	333,040	777,865	146	44	37,583	835	167,287
93	Wayne	57	946,792	344,289	344,232	67,221	191,050	82	13	14,014	267	99,631
94	Weakley	99	473,571	48,072	39,305	132,925	253,269	147	16	13,392	358	110,870
95	White	43	226,019	13,163	26,505	76,989	109,362	52	7	4,390	147	36,738
96	Williamson	84	285,044	27,290	58,610	87,444	111,670	101	9	8,380	136	41,472
97	Wilson	93	135,611	11,273	18,683	58,138	47,517	119	5	2,820	107	31,997

TABLE 7.—MANUFACTURES BY

1	All industries	8,016	$71,814,038	$7,889,887	$12,486,161	$20,396,865	$31,041,125	9,818	3,673	$3,261,347	50,501	$16,647,668
2	Agricultural implements	11	417,689	27,465	60,850	65,538	263,836	11	38	35,065	373	113,425
3	Awnings, tents, and sails	3	3,900	------	------	1,500	2,400	3	------	------	12	5,854
4	Bags, other than paper	3	309,739	3,717	------	45,722	260,300	4	20	13,285	91	23,214
5	Baking and yeast powders	4	81,100	------	------	14,100	67,000	5	25	25,600	68	15,120
6	Bicycle and tricycle repairing	35	38,268	750	2,400	15,545	19,573	38	------	------	51	15,801
7	Blacksmithing and wheelwrighting	1,007	619,889	79,098	103,303	148,272	289,216	1,210	4	1,388	635	230,392
8	Boots and shoes, custom work and repairing.	196	65,030	6,100	5,835	25,285	27,810	202	1	260	99	38,179
9	Boxes, fancy and paper	6	64,316	------	------	20,900	43,416	7	15	10,542	174	33,257
10	Boxes, wooden packing	10	97,062	5,999	8,700	28,465	53,898	12	13	8,531	120	31,116
11	Bread and other bakery products	76	655,922	77,550	79,100	304,526	194,746	96	75	37,290	360	157,573
12	Brick and tile	91	891,095	148,572	206,834	156,862	378,827	121	34	31,020	1,152	293,335
13	Brooms and brushes	27	27,216	1,945	6,750	4,760	13,761	36	3	1,920	81	30,729
14	Carpentering	183	528,575	49,066	74,670	67,155	337,684	237	8	5,033	985	436,688
15	Carriage and wagon materials	24	379,392	6,070	41,094	102,064	230,164	26	34	27,028	550	141,938
16	Carriages and wagons	99	774,749	99,018	132,948	110,928	431,825	126	43	44,462	621	258,734
17	Cars and general shop construction and repairs by steam railroad companies.	16	1,319,628	162,517	447,145	287,159	422,807	------	65	58,606	2,817	1,459,319
18	Charcoal	3	89,192	25	40,025	5	49,137	3	------	------	125	42,820
19	Cheese, butter, and condensed milk, factory product.	12	36,175	2,455	9,500	19,175	5,045	4	6	2,340	20	4,193
20	Clothing, men's, custom work and repairing.	141	274,919	10,200	14,800	27,027	222,892	157	29	25,000	494	259,404
21	Clothing, men's, factory product	22	747,650	25,200	64,814	82,481	575,155	31	76	70,215	1,513	323,949
22	Clothing, women's, dressmaking	77	54,974	3,225	6,550	9,751	35,448	77	6	13,000	340	91,786
23	Coffee and spice, roasting and grinding	9	113,246	1,700	6,500	15,600	94,446	13	25	25,100	36	10,496
24	Coffins, burial cases, and undertakers' goods.	10	440,196	32,900	48,144	57,463	301,689	3	52	68,500	287	117,863
25	Coke	8	607,322	144,412	44,800	385,840	32,270	------	22	14,281	477	127,539
26	Confectionery	31	383,191	9,300	13,400	162,467	203,024	41	69	54,432	368	111,336
27	Cooperage	32	194,466	54,760	18,820	16,722	104,164	37	11	11,080	500	161,149
28	Cotton, ginning[1]	282	476,533	20,107	90,255	345,508	20,668	388	26	4,157	352	43,172
29	Cotton goods	17	3,767,726	152,243	891,197	1,832,928	891,358	3	47	54,364	2,108	422,935
30	Dyeing and cleaning	39	28,112	1,000	1,800	12,425	12,887	50	3	1,500	68	24,275
31	Electrical construction and repairs	9	28,500	------	------	2,900	25,600	10	5	4,600	50	20,212
32	Fertilizers	5	950,397	76,947	313,519	68,339	491,592	4	45	48,568	443	94,101
33	Flouring and grist mill products	1,618	5,931,037	554,033	1,287,592	2,254,527	1,834,885	1,938	219	192,431	1,154	544,722
34	Food preparations	5	56,123	500	4,100	27,580	23,943	3	13	9,300	35	11,260
35	Foundry and machine shop products	97	3,768,565	897,116	536,305	956,136	1,879,008	99	171	159,988	3,282	1,185,211
36	Fruits and vegetables, canning and preserving.	11	35,824	880	5,880	9,825	19,239	19	16	2,043	116	15,216
37	Furnishing goods, men's	3	29,500	500	500	1,000	27,500	5	------	------	32	8,260
38	Furniture, cabinetmaking, repairing, and upholstering.	80	99,990	10,435	10,380	14,979	64,196	109	4	4,700	81	37,299
39	Furniture, factory product	23	951,756	66,192	154,248	154,954	576,362	19	69	66,468	1,015	303,228
40	Gas and lamp fixtures	5	33,357	7,000	11,500	8,945	5,912	2	6	5,174	56	22,298
41	Gas, illuminating and heating	11	2,303,544	284,000	198,400	1,656,370	164,774	------	49	41,049	218	64,539
42	Hairwork	3	1,455	------	------	255	1,200	3	------	------	3	1,056
43	Hand stamps	3	2,825	------	------	2,300	525	3	------	------	1	600
44	Hardware, saddlery	3	18,700	------	------	9,700	9,000	------	3	1,300	36	8,600
45	Hosiery and knit goods	4	216,950	4,200	37,200	102,000	73,550	------	12	15,300	511	72,980
46	Ice, manufactured	27	1,103,501	194,950	243,176	530,695	134,680	20	67	58,622	385	177,461

[1] Does not include many ginneries operated in connection with saw, grist, and cottonseed-oil mills, or for the use exclusively of plantations on which they are located. For the full number of ginneries in operation reference should be made to the special report on cotton ginning.

BY COUNTIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
215	$59,693	17	$2,896	13	$1,923	$43,008	$2,254	$2,375	$38,349	$25	$481,645	$476,414	$5,231	$741,643	77
223	64,377			1	200	15,454	338	651	14,460	5	159,312	151,679	7,633	275,390	78
21	5,748	1	275			1,317	113	148	1,056		63,843	63,791	52	89,492	79
72	18,825	10	300	6	330	2,031	793	526	712		135,867	134,962	905	204,127	80
8,009	3,554,984	587	175,081	188	38,521	1,094,288	206,436	97,533	728,873	61,446	9,868,375	9,660,824	207,551	18,478,848	81
67	33,663			11	902	20,337	567	969	18,301	500	172,803	170,033	2,770	273,261	82
200	57,567			1	90	6,669	1,647	1,039	3,931	52	161,288	133,551	27,737	293,991	83
461	138,116	73	13,668	46	6,229	112,876	7,392	3,025	102,245	214	739,827	732,756	7,071	1,283,228	84
169	56,393	4	475	11	938	12,902	4,508	1,258	7,101	35	239,842	236,226	3,616	398,717	85
90	23,585					7,398	735	724	5,939		116,849	113,498	3,351	208,412	86
28	10,445			1	200	6,623	397	143	6,083		145,293	143,193	2,100	189,500	87
95	34,414					26,683	324	1,127	25,175	57	97,360	96,672	688	214,224	88
14	4,555			1	100	8,217	93	577	7,547		95,887	94,988	899	131,358	89
13	3,830					392	152	57	183		16,393	16,368	25	29,561	90
299	77,888	124	20,409	25	2,538	18,254	462	1,901	15,891		347,508	343,022	4,486	561,212	91
756	159,358	18	2,725	61	5,204	46,131	5,113	12,351	26,867	1,800	1,038,207	889,930	148,277	1,700,374	92
264	99,251			3	380	38,140	484	1,643	14,159	21,854	366,531	247,896	118,635	668,523	93
317	104,213	16	3,579	25	3,078	24,269	2,408	1,996	19,740	125	594,031	586,713	7,318	913,431	94
103	31,947	40	7,560	4	231	37,094	720	578	35,796		183,626	182,448	1,178	324,809	95
131	40,922			5	550	20,845	2,581	1,196	16,706	362	357,368	352,472	4,896	510,628	96
95	29,217	9	2,495	3	285	6,557	2,620	819	3,018	100	200,872	197,703	3,169	322,935	97

SPECIFIED INDUSTRIES: 1900.

42,492	$15,201,266	5,841	$1,197,214	2,171	$249,158	$6,235,557	$591,863	$410,178	$4,732,921	$500,595	$63,857,511	$61,164,386	$2,693,125	$108,144,565	1
354	110,834	3	480	16	2,111	12,170	245	1,669	10,196	60	201,712	193,134	8,578	463,406	2
6	4,028	6	1,826			1,355	960	85	160	150	12,475	12,405	70	25,233	3
44	14,845	47	8,369			24,574	2,580	150	21,844		261,431	260,736	695	344,869	4
12	5,900	56	9,220			14,766	2,170	304	12,292		108,654	107,846	808	221,800	5
47	15,421			4	380	7,130	5,363	303	1,264	200	27,843	27,510	333	84,411	6
622	229,412			13	980	46,747	34,993	2,668	8,442	644	357,058	331,202	25,856	1,243,902	7
97	37,958	1	117	1	104	18,862	15,930	349	2,088	495	71,891	70,630	1,261	229,144	8
68	13,910	106	19,347			6,483	3,815	288	2,380		62,918	61,873	1,045	132,489	9
96	27,516	4	714	20	2,886	10,107	123	457	9,527		61,487	59,997	1,490	134,126	10
815	149,932	19	4,299	26	3,342	57,923	18,534	4,697	34,692		682,752	670,183	12,569	1,103,219	11
1,075	283,887			77	9,448	60,712	6,155	4,579	49,658	320	165,319	37,013	128,806	684,900	12
76	30,373			5	356	1,631	1,197	85	349		67,140	66,939	201	127,148	13
983	436,303			2	385	243,816	11,135	2,995	16,538	213,148	1,012,897	1,007,588	5,309	2,025,586	14
523	138,906			27	3,032	33,947	1,724	1,258	28,869	2,096	270,757	267,100	3,657	597,725	15
616	257,629	1	250	4	855	42,906	13,566	4,339	23,669	1,332	519,544	510,446	9,098	1,127,898	16
2,810	1,457,718	7	1,601			66,765		12,478	54,287		1,528,363	1,506,905	21,458	3,113,053	17
125	42,820					21,754				21,754	4,683	4,683		75,487	18
14	3,755	3	258	3	180	1,113	100	144	869		49,846	48,671	1,175	69,722	19
409	234,404	81	24,622	4	378	92,166	44,080	2,060	10,427	35,649	337,994	334,387	3,607	974,293	20
258	90,702	1,234	231,004	21	2,243	40,515	13,606	2,734	20,675	3,500	960,641	953,964	6,677	1,631,075	21
2	2,000	337	89,680	1	106	13,621	10,364	277	2,885	95	151,480	150,993	487	332,004	22
18	7,028	17	3,398	1	70	5,990	3,010	419	2,561		104,166	101,645	2,521	271,704	23
246	107,615	7	2,292	34	7,956	21,077	702	1,957	17,750	668	328,537	323,490	5,047	625,381	24
468	125,469			9	2,070	24,736	3,940	1,169	18,602	6,025	522,966	519,496	3,470	764,890	25
194	79,263	168	30,473	11	1,600	67,039	17,458	2,240	47,152	189	459,267	452,174	7,093	886,129	26
458	156,067			42	5,082	10,342	2,447	1,089	6,806		261,638	252,172	9,466	521,681	27
851	43,166			1	66	12,249	2,969	2,767	6,513		89,734	73,487	16,247	364,618	28
807	214,140	918	168,135	383	40,660	142,878	450	12,468	129,960		1,143,234	1,103,408	39,826	1,994,935	29
52	19,888	15	4,243	1	144	10,505	7,505	280	2,720		12,400	11,001	1,399	30,123	30
50	20,212					5,597	2,870	160	1,972	595	73,976	73,900	76	125,154	31
443	94,101					110,953		2,713	108,240		790,101	773,030	17,071	1,466,288	32
1,144	543,181			10	1,541	273,851	18,426	36,210	218,369	846	18,491,948	18,339,415	152,533	21,798,929	33
31	10,968			4	292	6,062	2,500	368	3,794		104,226	100,475	3,751	143,099	34
3,259	1,181,331			23	3,880	220,288	15,803	23,955	179,362	1,168	2,199,081	2,089,576	109,505	4,479,489	35
24	4,992	56	6,589	36	3,685	207	2	83	122		37,598	36,962	636	72,007	36
21	5,540	11	2,720			765	400	25	340		47,457	47,417	40	73,500	37
78	36,987	2	259	1	53	10,837	7,352	488	2,126	871	45,279	44,653	626	152,527	38
903	287,898	33	3,730	79	11,600	82,943	2,510	3,662	75,421	1,350	520,196	512,941	7,255	1,106,623	39
48	19,081	5	2,587	3	630	3,182	534	174	2,474		25,566	24,275	1,291	72,546	40
218	64,589					116,848		50,760	66,088		135,110	131,307	3,803	572,490	41
		3	1,056			1,574	1,500		74		1,060	1,060		5,450	42
1	600					533	490	10	33		1,060	1,045	15	5,080	43
36	8,600					965	600	25	340		16,548	15,755	793	39,600	44
113	31,424	228	26,460	170	15,096	10,270		150	10,120		248,950	247,350	1,600	395,150	45
381	177,036			4	425	58,878	130	16,345	42,403		109,505	27,184	82,321	538,107	46

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
47	Iron and steel	16	$5,881,165	$701,960	$2,785,664	$391,883	$1,501,708	2	96	$118,244	1,979	$539,804
48	Ironwork, architectural and ornamental.	4	28,700	2,000	2,000	13,000	11,700	3	8	5,710	35	14,035
49	Leather, tanned, curried, and finished	44	8,444,197	94,530	400,620	470,725	2,478,322	55	29	35,496	803	239,870
50	Lime and cement	12	158,886	39,300	27,680	20,751	71,155	13	4	2,350	167	50,665
51	Liquors, distilled	51	590,302	20,027	64,677	81,985	423,613	55	11	7,550	139	43,341
52	Liquors, malt	4	1,277,772	111,000	443,534	271,586	451,652	1	31	51,500	288	129,782
53	Lock and gun smithing	26	35,314	6,050	2,850	10,789	15,625	32			16	9,446
54	Looking-glass and picture frames	5	8,815			715	8,100	6	2	1,440	8	2,103
55	Lumber and timber products	1,732	12,900,595	2,717,978	703,578	3,417,809	6,061,235	2,486	418	355,708	11,192	3,424,510
56	Lumber, planing mill products, including sash, doors, and blinds.	88	1,343,381	123,435	290,540	306,078	623,328	108	71	61,819	1,170	452,079
57	Marble and stone work	30	490,298	96,100	101,735	74,540	217,923	32	23	21,350	558	181,399
58	Masonry, brick and stone	29	133,668	16,200	12,100	25,725	79,643	35	26	11,625	549	194,150
59	Mattresses and spring beds	13	83,936	2,000	3,065	12,740	66,131	21	14	9,892	112	33,010
60	Millinery, custom work	193	337,922	30,695	37,890	13,510	255,827	255	75	40,418	404	131,908
61	Mineral and soda waters	23	190,410	37,150	55,900	46,675	50,685	32	14	16,252	99	40,649
62	Monuments and tombstones	59	143,931	24,405	7,927	16,193	95,406	78	56	17,330	179	78,238
63	Oil, cottonseed and cake	17	1,996,791	349,255	425,679	850,355	371,502	2	80	104,773	751	204,219
64	Painting, house, sign, etc	72	80,772	2,850	5,800	12,680	59,442	94	10	6,240	314	148,729
65	Paints	5	73,545	4,500	6,000	14,275	48,770	3	8	11,000	45	17,742
66	Paper hanging	10	33,150			2,150	31,000	11	10	6,330	62	25,210
67	Patent medicines and compounds	29	739,375	6,300	23,750	67,372	641,953	26	115	136,584	399	137,691
68	Paving and paving materials	7	18,500	550	2,550	3,800	11,600	5	5	3,270	55	11,620
69	Photography	65	114,297	7,706	12,634	51,723	42,234	77	15	7,322	80	39,489
70	Photolithographing and photoengraving.	3	8,675			4,750	3,925	2	2	2,000	17	5,228
71	Plastering and stuccowork	9	14,220	5,075	3,000	1,807	4,338	11	4	1,600	52	16,058
72	Plumbing, and gas and steam fitting	66	355,078	25,500	35,100	34,577	259,901	81	41	19,653	502	225,532
73	Pottery, terra cotta, and fire-clay products.	18	171,398	17,085	57,220	40,255	57,338	15	15	11,755	300	91,417
74	Printing and publishing, book and job	67	980,155	19,675	62,225	482,986	415,269	77	97	102,625	837	364,747
75	Printing and publishing, newspapers and periodicals.	217	2,622,242	119,386	411,482	1,066,170	1,025,204	239	403	329,140	951	456,418
76	Refrigerators	3	51,300	2,000	3,000	7,550	38,750	2	6	5,400	53	15,050
77	Roofing and roofing materials	22	192,503	6,800	12,403	13,999	159,301	20	16	17,392	110	40,157
78	Saddlery and harness	132	602,847	15,083	27,655	67,956	491,553	163	55	42,178	488	194,031
79	Sausage	7	71,950	25,600	33,400	3,950	9,000	8			11	5,032
80	Saws	3	20,420	2,450	3,900	7,500	6,570	2	1	1,000	15	8,547
81	Sewing machine repairing	4	1,210			560	650	5	1	100	2	820
82	Ship and boat building, wooden	3	1,020			320	700	3			11	2,560
83	Shirts	12	95,725			26,225	69,500	17	5	4,000	85	30,314
84	Slaughtering and meat packing, wholesale.	8	651,740	45,300	119,589	129,227	357,624	5	15	17,365	156	60,945
85	Soap and candles	6	326,019	21,700	50,250	75,125	178,944	8	37	30,557	167	53,034
86	Stencils and brands	3	9,700			5,000	4,700	5	1	200	11	4,400
87	Tinsmithing, coppersmithing, and sheet-iron working.	124	360,082	33,750	50,055	75,324	200,953	154	24	18,082	418	180,779
88	Tobacco, chewing, smoking, and snuff	35	1,318,414	79,148	198,829	167,702	872,735	32	106	108,241	615	152,048
89	Tobacco, cigars and cigarettes	35	90,547	3,250	7,300	5,810	74,187	40	5	4,360	161	80,228
90	Tobacco, stemming and rehandling	22	443,550	28,305	64,805	14,420	336,020	33	29	21,920	461	79,248
91	Trunks and valises	9	61,918	300	900	4,225	56,493	5	15	11,342	117	31,359
92	Watch, clock, and jewelry repairing	141	156,409	8,630	8,210	56,885	82,684	154	12	6,414	101	62,044
93	Wirework, including wire rope and cable.	6	7,943			4,818	3,125	5			21	9,300
94	Wood, turned and carved	28	274,048	21,370	43,234	82,492	126,952	29	17	15,370	400	126,661
95	Woodenware, not elsewhere specified	3	36,300	1,500	8,000	15,500	11,300	1	2	2,500	39	8,833
96	Woolen goods	51	2,399,518	57,103	271,316	1,189,560	881,039	29	64	67,673	1,632	294,116
97	All other industries[1]	64	1,853,584	234,114	374,581	468,485	776,404	57	150	134,680	1,072	306,919

[1] Embraces artificial limbs, 1; belting and hose, leather, 2; belting and hose, rubber, 1; bluing, 2; bookbinding and blank book making, 1; boots and shoes, factory product, 2; bottling, 1; brass castings and brass finishing, 1; bridges, 1; cars, steam railroad, not including operations of railroad companies, 1; cheese and butter, urban dairy products, 1; chemicals, 1; china decorating, 1; clothing, women's, factory product, 2; copper, smelting and refining, 1; cordage and twine, 2; cordials and sirups, 1; cotton, cleaning and rehandling, 1; cotton, compressing, 1; druggists' preparations, not including prescriptions, 1; dye stuffs and extracts, 1; electrical apparatus and supplies, 1; explosives, 2; fancy articles, not elsewhere specified, 1; flavoring extracts, 1; glass, cutting, staining, and

TABLE 8.—MANUFACTURES IN CITIES

CHATTANOOGA.

1	All industries	332	$8,103,870	$666,583	$1,462,205	$1,752,453	$4,282,629	332	486	$442,348	5,472	$1,889,795
2	Bicycle and tricycle repairing	8	7,250			1,950	5,300	8			10	3,150
3	Blacksmithing and wheelwrighting	12	3,188		50	1,020	2,118	20			15	8,348
4	Boots and shoes, custom work and repairing.	23	2,771		15	2,030	726	23			9	3,169
5	Bread and other bakery products	13	15,500	3,300	5,350	3,975	2,875	16	6	2,814	35	11,534
6	Brick and tile	3	58,118	11,000	9,500	13,000	24,618	3	4	3,900	132	35,816

SPECIFIED INDUSTRIES: 1900—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
1,973	$538,454			6	$850	$226,365	$10,147	$29,262	$192,956		$3,404,154	$1,798,174	$1,605,980	$5,080,624	47
34	13,895			1	140	1,550	820	80	650		67,752	67,070	682	123,800	48
799	239,586			4	284	91,197	1,060	12,969	77,168		2,184,311	2,179,917	4,394	2,802,117	49
167	50,665					2,492	480	665	1,147	$200	89,886	19,581	20,305	166,423	50
139	43,341					560,694	631	4,120	555,879	64	200,446	182,201	18,245	939,510	51
281	126,982			7	2,800	517,278		15,421	501,857		262,437	243,525	18,912	1,175,304	52
13	8,616	3	$830			5,750	5,052	136	562		10,067	9,575	492	43,598	53
4	1,499	1	275	3	428	2,302	1,043	55	1,204		5,775	5,770	5	21,845	54
10,832	3,367,115	118	25,767	242	31,628	402,409	23,526	58,417	319,746	720	10,008,275	10,005,676	2,599	18,127,784	55
1,137	447,788	1	260	32	4,031	85,198	4,536	8,362	42,300	30,000	1,330,800	1,318,200	12,600	2,323,247	56
553	180,640	1	169	4	590	15,269	6,031	1,249	6,699	1,290	109,531	99,199	10,332	568,127	57
549	191,150					86,956	1,292	542	2,466	82,656	188,044	185,318	2,726	500,846	58
98	30,064	14	2,946			18,748	4,353	645	8,750		183,242	180,202	3,040	267,410	59
11	5,380	392	126,471	1	57	34,399	24,799	2,275	7,325		441,705	440,609	1,096	868,194	60
91	39,563	1	312	7	774	9,670	2,750	2,348	4,572		54,718	53,981	732	173,578	61
178	77,938			1	300	12,680	3,343	1,172	8,115	50	141,517	140,488	1,029	356,276	62
747	203,470	4	749			183,222	210	16,661	166,351		2,277,855	2,210,933	66,922	2,980,041	63
311	148,194	1	200	2	335	11,115	8,153	260	2,452	250	154,910	154,466	444	427,920	64
42	17,142	3	600			5,160	996	291	3,873		88,995	86,274	2,721	150,790	65
62	25,210					7,360	3,550	451	2,185	1,674	43,109	43,007	102	105,350	66
170	80,078	221	56,593	8	1,020	449,368	13,516	5,557	430,795		525,193	521,691	3,502	1,504,282	67
55	11,620					1,614	304	50	1,260		54,926	54,021	305	100,445	68
53	30,518	23	8,706	4	205	21,540	13,002	2,171	6,347	20	59,401	58,793	608	197,488	69
14	4,890	2	260	1	78	1,062	540		522		2,696	2,012	684	13,900	70
52	16,058					1,889	487	159	869	374	15,545	15,487	58	43,911	71
500	225,410			2	122	33,985	17,044	2,524	12,917	1,500	455,572	452,151	3,421	923,659	72
291	90,696			9	721	50,832	100	1,276	49,456		74,244	38,414	35,830	259,710	73
662	322,937	159	38,831	16	2,979	64,964	25,401	6,840	31,127	2,096	435,319	425,081	10,238	1,249,941	74
697	395,188	152	47,887	102	13,343	300,890	26,212	9,698	178,688	86,292	446,540	425,020	21,520	2,205,112	75
51	14,700			2	350	20,425	1,600	390	3,435	15,000	32,750	32,350	400	81,300	76
107	39,793			3	364	11,296	3,220	425	7,651		274,403	273,308	1,095	412,123	77
425	182,587	15	5,298	48	6,146	41,461	26,978	2,768	11,541	174	669,333	663,743	5,590	1,165,489	78
11	5,032					2,370	1,200	360	810		27,978	27,466	512	42,940	79
15	8,547					4,917	300	125	4,492		9,113	8,428	685	36,996	80
2	820					464	380	28	56		2,229	2,181	48	4,315	81
11	2,560					39	14		25		3,710	3,710		8,097	82
10	7,300	75	23,014			14,978	10,796	825	537	3,820	60,827	60,215	612	142,600	83
152	60,775	4	170			25,268	347	1,513	23,258	150	1,453,128	1,438,983	14,145	1,671,218	84
134	46,434	33	6,600			21,013		8,125	17,888		414,164	409,192	4,972	545,529	85
11	4,400					1,590	1,110	60	420		4,180	4,100	80	16,300	86
411	179,879			7	900	27,156	16,852	1,684	7,420	1,200	830,519	825,804	4,715	744,171	87
348	106,334	193	37,508	74	8,201	557,149	1,665	3,472	552,012		516,369	507,784	8,585	1,541,475	88
143	76,691	7	2,121	11	1,416	35,708	4,654	552	30,502		118,738	118,494	244	290,647	89
302	60,925	85	11,687	74	6,631	28,916	1,025	1,934	25,657	300	904,289	901,499	2,790	1,178,480	90
110	30,696	1	108	6	555	9,072	7,440	110	1,522		79,825	79,422	403	163,559	91
97	60,744	2	1,100	2	200	25,077	18,604	784	3,389	2,210	43,786	42,776	1,010	240,908	92
21	9,300					1,458	1,340	35	83		19,175	18,791	384	41,140	93
384	123,696	1	200	15	2,765	21,384	2,851	1,279	17,254		222,260	217,431	4,829	463,875	94
39	8,833					4,028	240	88	3,700		16,029	15,809	220	51,360	95
557	148,817	759	116,228	316	29,071	86,141	355	8,045	77,741		874,359	860,295	14,064	1,517,194	96
740	258,096	207	38,645	125	10,178	126,057	13,236	6,484	75,337	30,500	1,826,999	1,748,346	78,653	2,786,527	97

ornamenting, 2; grease and tallow, 1; horseshoes, factory product, 1; house furnishing goods, not elsewhere specified, 1; ink, writing, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; jewelry, 1; kaolin and other earth grinding, 1; leather goods, 1; millinery and lace goods, 1; models and patterns, 1; musical instruments, pianos and materials, 1; paper goods, not elsewhere specified, 1; pipes, tobacco, 1; plumbers' supplies, 1; pumps, not including steam pumps, 1; safes and vaults, 1; show cases, 1; sporting goods, 1; stationery goods, not elsewhere specified, 2; sugar and molasses, refining, 2; surgical appliances, 1; umbrellas and canes, 1; upholstering materials, 2; vinegar and cider, 2; washing machines and clothes wringers, 2; wheelbarrows, 1.

BY SPECIFIED INDUSTRIES: 1900.

CHATTANOOGA.

4,899	$1,780,270	432	$94,530	141	$14,995	$778,998	$55,548	$46,305	$631,932	$45,218	$7,322,503	$6,882,605	$439,898	$12,083,780	1
9	3,070			1	80	1,271	1,021		250		1,910	1,900	10	10,070	2
15	8,343					1,136	1,134		2		4,366	4,138	228	25,540	3
8	3,052	1	117			1,298	1,281		17		6,485	6,445	40	19,414	4
30	10,627			5	907	2,881	2,448	110	323		33,104	32,217	887	78,340	5
132	35,816					16,762	760	832	15,180		27,780	2,574	25,206	96,225	6

TABLE 8.—MANUFACTURES IN CITIES

CHATTANOOGA—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
7	Carpentering	15	$12,088	$2,200	$3,000	$2,220	$4,668	19	1	$468	84	$31,844
8	Carriages and wagons	6	170,350	8,251	27,323	21,325	113,451	5	13	16,610	91	39,831
9	Cars and general shop construction and repairs by steam railroad companies.	3	154,200	38,300	32,500	50,900	32,500		11	8,950	334	196,890
10	Clothing, men's, custom work and repairing.	20	60,990	7,000	10,000	4,685	39,305	21	3	2,200	103	46,302
11	Clothing, women's, dressmaking	12	2,670	400	400	1,095	775	11			70	18,775
12	Confectionery	5	5,625			5,400	225	8			61	16,920
13	Dyeing and cleaning	4	1,175			125	1,050	6			7	2,250
14	Flouring and grist mill products	3	340,800	30,000	45,000	65,600	200,200	1	28	29,320	83	36,323
15	Foundry and machine shop products	22	1,580,190	183,666	223,555	363,292	809,677	18	76	67,323	1,376	413,412
16	Furniture, cabinetmaking, repairing, and upholstering.	8	7,069			1,672	5,397	11			18	5,688
17	Furniture, factory product	3	327,500	22,000	39,273	49,085	217,142		15	15,848	234	75,387
18	Gas and lamp fixtures	3	12,357	2,000	1,500	3,945	4,912	2	5	4,574	43	15,531
19	Iron and steel	3	523,644	40,575	187,173	99,272	196,624		12	14,375	193	70,718
20	Lumber and timber products	4	190,100	53,700	7,300	21,100	108,000	4	7	5,720	130	40,076
21	Lumber, planing mill products, including sash, doors, and blinds.	5	151,246	18,800	22,500	30,550	79,396		20	21,557	171	56,578
22	Masonry, brick and stone	3	4,100			800	3,300	5			56	19,850
23	Mattresses and spring beds	3	23,740	600	1,400	3,740	18,000	4	6	3,380	16	4,225
24	Millinery, custom work	4	9,815			1,515	8,300	6	2	1,800	26	5,727
25	Monuments and tombstones	4	6,100			325	5,775	4	7	1,850	7	2,695
26	Painting, house, sign, etc	9	3,465			690	2,775	10			37	13,583
27	Paper hanging	4	5,450			300	5,150	7	1	600	9	3,192
28	Patent medicines and compounds	7	145,078	1,000	2,500	22,668	118,910	6	20	25,294	118	51,265
29	Paving and paving materials	3	4,550	550	1,550	800	1,650	1	1	450	5	2,120
30	Photography	3	11,250			9,500	1,750	3			8	3,734
31	Plumbing, and gas and steam fitting	9	25,620	3,200	3,000	1,920	17,500	11	7	2,470	50	22,087
32	Pottery, terra cotta, and fire-clay products.	3	93,489	6,500	33,029	16,360	37,600	2	9	8,485	194	63,689
33	Printing and publishing, book and job	10	51,060		500	29,500	21,060	9	19	13,250	100	37,310
34	Printing and publishing, newspapers and periodicals.	5	352,904	34,261	156,000	101,724	60,919	4	46	31,805	85	58,552
35	Roofing and roofing materials	3	151,998	5,800	9,903	5,899	130,896	2	12	15,352	26	9,938
36	Saddlery and harness	7	20,975	1,300	3,800	5,575	10,300	7	5	1,968	59	16,921
37	Tinsmithing, coppersmithing, and sheet-iron working.	8	58,575	2,000	10,000	13,950	32,625	8	9	7,620	72	23,441
38	Tobacco, cigars and cigarettes	4	9,902			600	9,302	4	1	910	14	6,262
39	Watch, clock, and jewelry repairing	14	7,415			4,990	2,425	16			6	4,972
40	All other industries[1]	54	3,491,553	190,680	566,084	789,356	1,945,433	47	181	133,455	1,385	411,695

[1] Embraces agricultural implements, 1; awnings, tents, and sails, 1; baking and yeast powders, 1; bottling, 1; boxes, fancy and paper, 1; boxes, wooden packing, 2; brass castings and brass finishing, 1; brooms and brushes, 2; china decorating, 1; clothing, men's, factory product, 2; coffee and spice, roasting and grinding, 1; cordials and sirups, 1; cotton goods, 1; druggists' preparations, not including prescriptions, 1; electrical apparatus and supplies, 1; electrical construction and repairs, 2; food preparations, 1; gas, illuminating and heating, 2; hairwork, 1; hardware, saddlery, 2; ice, manufactured, 2; ironwork, architectural and ornamental, 1; jewelry, 1;

KNOXVILLE.

1	All industries	218	$5,151,130	$241,113	$585,808	$2,225,831	$2,098,378	255	268	$257,387	4,714	$1,473,543
2	Bicycle and tricycle repairing	3	4,435			2,650	1,785	3			14	3,514
3	Blacksmithing and wheelwrighting	7	4,025			1,535	2,490	8	1	468	18	6,354
4	Boots and shoes, custom work and repairing.	14	3,149			2,062	1,087	18			13	4,766
5	Bread and other bakery products	4	66,300	24,000	24,000	9,500	8,800	6	3	2,800	60	23,802
6	Carpentering	5	18,190	500	500	1,975	15,215	8			63	23,700
7	Carriages and wagons	6	42,280	500	500	5,624	35,656	7	8	6,348	78	29,461
8	Clothing, men's, custom work and repairing.	12	23,915	2,000	500	4,155	17,260	15	2	1,760	63	42,391
9	Clothing, men's, factory product	6	149,250			10,950	138,300	8	22	19,500	326	55,962
10	Clothing, women's, dressmaking	6	13,885			1,675	12,210	8	2	3,000	95	21,104
11	Coffins, burial cases, and undertakers' goods.	3	38,174	2,400	800	2,600	32,374		6	7,980	28	8,896
12	Confectionery	4	45,300			14,000	31,300	5	7	8,100	66	16,697
13	Dyeing and cleaning	6	6,212			2,800	3,412	7	3	1,500	15	5,144
14	Flouring and grist mill products	3	372,844	40,000	49,200	80,200	203,444	1	16	19,890	70	30,742
15	Foundry and machine shop products	11	140,625	21,200	10,300	55,800	53,325	8	8	5,460	169	53,920
16	Furniture, cabinetmaking, repairing, and upholstering.	5	4,063	2,000	600	810	653	6			1	260
17	Furniture, factory product	4	183,600	20,000	43,000	28,000	92,600	5	15	14,460	285	80,459
18	Lumber, planing mill products, including sash, doors, and blinds.	3	35,000	4,500	5,500	10,500	14,500	6			40	11,660
19	Millinery, custom work	11	30,875			2,975	27,900	22	10	6,860	71	17,172
20	Monuments and tombstones	5	19,965			800	19,165	6	7	7,200	23	11,244
21	Painting, house, sign, etc	6	10,825			1,825	9,000	10	1	600	37	13,959
22	Photography	6	29,550	4,000	7,000	7,950	10,600	10	5	2,718	16	6,897
23	Plumbing, and gas and steam fitting	4	34,215	4,000	8,000	2,600	19,615	5	5	1,538	47	17,300
24	Printing and publishing, book and job	6	79,690			48,365	31,325	7	7	7,450	108	37,493
25	Printing and publishing, newspapers and periodicals.	4	111,469			98,941	12,528	3	24	21,890	37	24,876
26	Saddlery and harness	8	41,590			4,425	37,165	10	7	4,800	51	15,048

BY SPECIFIED INDUSTRIES: 1900—Continued.

CHATTANOOGA—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
84	$31,844					$25,563	$599	$33	$1,231	$23,700	$163,730	$163,695	$35	$274,893	7
91	39,831					10,137	1,699	176	8,262		121,268	119,542	1,726	227,315	8
334	196,890					10,185		3,668	6,517		209,728	207,038	2,690	425,753	9
77	37,848	25	$8,350	1	$104	6,765	5,430	540	795		41,008	40,343	665	127,517	10
		70	18,775			1,463	1,430	16	17		23,345	23,335	10	56,406	11
36	11,281	25	5,639			2,550	1,700	25	825		75,743	75,027	716	126,688	12
5	1,950	2	300			529	496		33		595	575	20	5,800	13
80	35,543			3	780	34,661	8,000	1,512	30,149		2,030,306	2,020,556	9,750	2,287,268	14
1,374	413,182			2	230	114,823	8,876	9,532	100,697	718	1,066,367	1,020,525	45,842	1,867,438	15
17	5,480	1	208			1,755	720		235	800	7,350	7,248	102	19,615	16
230	74,799	1	300	3	288	26,039	900	1,077	24,062		133,566	133,120	446	277,525	17
41	15,081			2	450	2,483	284	50	2,199		12,636	12,025	611	46,546	18
193	70,718					17,309		933	16,376		513,359	228,713	284,646	685,984	19
127	39,500			3	576	14,150		1,350	12,800		189,675	189,675		309,650	20
169	56,367			2	211	9,447	1,140	700	7,607		194,088	193,393	695	319,744	21
56	19,850										29,850	29,750	100	60,500	22
16	4,025	1	200			8,803	1,300	275	7,228		45,170	44,380	790	71,731	23
		26	5,727			2,513	1,980	88	445		25,208	25,108	100	44,000	24
7	2,695					916	304		612		5,868	5,847	21	14,300	25
37	13,583					1,284	1,036		248		16,440	16,425	15	40,750	26
9	3,192					1,184	456	40	688		10,717	10,692	25	20,600	27
41	30,415	77	20,850			28,140	1,750	730	25,660		95,930	94,970	960	284,204	28
5	2,120					425	25		400		2,125	2,125		7,345	29
4	2,494	4	1,240			1,616	1,175		441		4,120	4,090	30	14,500	30
50	22,087					3,164	1,567	327	1,270		47,780	47,420	360	91,781	31
193	63,639			1	50	49,885	100	700	49,085		56,953	29,251	27,702	192,287	32
57	28,810	42	8,420	1	80	5,645	2,530	100	1,515	1,500	48,064	47,065	999	129,425	33
75	55,642	10	2,910			15,053	390	1,697	12,216	750	53,864	51,484	2,380	210,730	34
24	9,626			2	312	6,473	48	250	6,175		172,304	171,774	530	231,854	35
37	13,671	2	250	20	3,000	1,359	948	78	333		66,509	66,005	504	93,740	36
72	23,441					2,338	1,102	190	1,046		33,980	33,520	460	79,650	37
8	4,572	4	1,456	2	234	3,158	732	57	2,369		7,823	7,791	32	23,070	38
6	4,972					1,746	1,479		267		3,287	3,282	5	22,100	39
1,151	334,214	141	19,788	93	7,693	344,089	10,763	21,219	294,357	17,750	1,740,102	1,709,542	30,560	3,112,982	40

leather, tanned, curried, and finished, 1; liquors, distilled, 1; liquors, malt, 1; lock and gun smithing, 1; looking-glass and picture frames, 1; marble and stone work, 1; mineral and soda waters, 2; oil, cottonseed and cake, 1; paints, 1; plumbers' supplies, 1; refrigerators, 2; sausage, 1; saws, 1; ship and boat building, wooden, 1; shirts, 1; stationery goods, not elsewhere specified, 1; stencils and brands, 1; trunks and valises, 2; washing machines and clothes wringers, 1; wheelbarrows, 1; wood, turned and carved, 1.

KNOXVILLE.

3,096	$1,231,582	1,336	$216,660	282	$25,301	$306,795	$52,342	$23,369	$228,260	$2,824	$3,877,772	$3,777,763	$100,009	$6,943,595	1
12	3,358			2	156	1,235	900	35	300		5,415	5,295	120	18,600	2
18	6,354					1,029	974		55		8,077	7,910	167	24,980	3
13	4,766					1,097	1,033		64		5,962	5,962		20,070	4
52	22,450	5	1,040	8	312	6,130	312	855	4,963		63,864	63,108	756	111,600	5
63	23,700					994	534	48	112	300	33,775	33,175	600	79,350	6
78	29,461					3,569	1,954	170	1,445		45,606	44,202	1,404	97,770	7
46	36,760	16	5,579	1	52	4,555	2,891	426	1,138	100	41,715	41,525	190	131,070	8
42	11,840	282	44,018	2	104	5,489	2,980		1,609	900	168,612	166,761	1,851	300,570	9
		94	20,998	1	106	1,764	1,744		20		26,725	26,725		58,914	10
28	8,896					1,571	480	76	1,015		28,445	28,055	390	64,432	11
30	10,445	36	6,252			8,786	2,816	350	5,620		72,666	72,270	396	131,500	12
11	3,948	4	1,196			2,602	1,482		1,120		5,223	4,737	486	18,845	13
70	30,742					28,291		1,803	26,488		1,004,511	997,710	6,801	1,142,317	14
168	53,868			1	52	7,530	1,980	885	4,665		90,854	86,910	3,944	230,724	15
1	260					363	288	40	35		1,845	1,845		5,500	16
254	77,025			31	3,434	21,901	1,100	1,088	18,513	1,200	117,581	115,857	1,724	289,776	17
39	11,400	1	260			1,478	120	358	1,000		70,449	70,339	110	101,400	18
		71	17,172			4,173	3,798	115	260		90,190	90,190		137,500	19
23	11,244					1,575	984	36	555		18,276	18,276		46,175	20
34	13,424	1	200	2	335	888	636		202		8,187	8,187		35,425	21
9	4,964	5	1,754	2	179	4,843	1,254	606	2,983		19,595	19,595		40,948	22
47	17,300					1,542	636	330	576		54,355	54,065	290	87,100	23
92	34,646	16	2,847			5,459	2,172	165	3,122		32,535	30,169	2,366	110,301	24
32	23,320	5	1,556			18,674	1,200	265	16,909	300	17,456	15,981	1,475	112,668	25
45	14,258			6	790	5,092	3,590	127	1,375		47,616	47,416	200	105,189	26

TABLE 8.—MANUFACTURES IN CITIES

KNOXVILLE—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
27	Tinsmithing, coppersmithing, and sheet-iron working.	9	$66,870	$1,200	$5,000	$14,125	$46,545	14	6	$4,836	66	$17,796
28	Tobacco, cigars and cigarettes	4	17,750			1,350	16,400	6	1	250	27	13,636
29	Watch, clock, and jewelry repairing	12	10,275			5,700	4,575	14	5	3,384	15	8,144
30	All other industries [1]	41	3,546,809	114,813	430,908	1,801,939	1,199,149	29	97	105,095	2,812	870,646

[1] Embraces artificial limbs, 1; bluing, 1; boxes, fancy and paper, 1; brick and tile, 1; cars and general shop construction and repairs by steam railroad companies, 1; cotton goods, 1; dye stuffs, and extracts, 1; electrical construction and repairs, 1; flavoring extracts, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 1; hand stamps, 1; hosiery and knit goods, 1; ice, manufactured, 2; iron and steel, 1; ironwork, architectural and ornamental, 2; liquors, malt, 1; lock and gun smithing, 1;

MEMPHIS.

1	All industries	659	$11,189,249	$1,511,199	$1,583,598	$3,091,124	$5,003,328	715	513	$625,135	8,433	$3,641,435
2	Bicycle and tricycle repairing	9	9,478			3,640	5,838	11			19	7,174
3	Blacksmithing and wheelwrighting	60	64,476	5,400	11,625	14,865	32,586	70			120	65,396
4	Boots and shoes, custom work and repairing.	59	25,987	3,000	2,000	7,687	13,300	59			32	14,425
5	Bread and other bakery products	21	470,827	24,000	32,500	269,366	144,961	24	35	18,925	157	75,275
6	Carpentering	33	159,360	12,000	1,200	19,090	127,070	37			278	164,591
7	Carriage and wagon materials	3	75,954		3,900	21,500	50,554	1	3	4,780	74	25,900
8	Carriages and wagons	8	327,170	65,000	63,500	47,726	150,944	7	10	15,420	201	87,460
9	Cars and general shop construction and repairs by steam railroad companies.	3	206,727	39,467	32,000	50,025	85,285		16	17,763	715	381,370
10	Clothing, men's, custom work and repairing.	43	101,992			6,350	95,642	51	3	5,780	171	99,090
11	Clothing, men's, factory product	6	131,100	6,000	18,000	20,100	87,000	10	1	1,500	386	109,845
12	Clothing, women's, dressmaking	20	18,296			3,355	14,941	19	3	9,700	78	35,682
13	Coffee and spice, roasting and grinding	5	63,840	1,200	3,000	8,000	51,640	8	14	13,780	12	5,378
14	Confectionery	7	49,593	9,000	12,700	7,105	20,788	10	5	4,200	62	24,419
15	Cooperage	3	28,550		1,000	7,050	20,500	3	4	4,200	72	39,070
16	Cotton, ginning	8	36,600	900	2,200	28,500	5,000	7	2	1,500	25	3,150
17	Dyeing and cleaning	22	17,810	1,000	1,800	7,670	7,340	26			37	14,686
18	Electrical construction and repairs	3	6,350			550	5,800	3			11	7,150
19	Foundry and machine shop products	15	1,070,970	132,000	152,964	269,988	516,018	20	23	33,345	764	350,625
20	Furniture, cabinetmaking, repairing, and upholstering.	23	43,437	2,000	3,000	4,387	34,050	35	2	3,800	33	22,460
21	Furniture, factory product	3	218,701	9,367	22,405	24,702	162,227	1	19	22,620	186	64,255
22	Ice, manufactured	4	544,572	134,950	149,215	163,622	96,785		25	30,770	192	102,881
23	Lock and gun smithing	3	13,580			4,575	9,005	11			11	7,136
24	Lumber and timber products	19	2,292,838	323,265	166,423	555,365	1,247,785	11	96	116,830	1,860	594,636
25	Lumber, planing mill products, including sash, doors, and blinds.	4	218,200	25,000	91,200	52,000	50,000	5			166	89,200
26	Marble and stone work	4	101,250	5,000	2,500	22,250	71,500	6	1	720	76	45,752
27	Masonry, brick and stone	3	11,600			1,800	9,800	3			30	15,800
28	Millinery, custom work	13	18,660	2,500	2,000	1,085	13,075	12	3	6,100	39	17,108
29	Mineral and soda waters	3	86,000	20,000	30,000	16,000	20,000	3	6	8,400	34	18,525
30	Oil, cottonseed and cake	9	1,549,774	321,400	322,427	629,591	276,356		49	72,267	587	158,669
31	Painting, house, sign, etc	21	32,600			5,025	27,575	28	4	4,320	112	68,739
32	Paints	3	54,875	3,000	2,500	7,575	41,800	2	4	7,340	25	9,900
33	Patent medicines and compounds	5	71,550	200	150	5,250	65,950	6	9	17,600	33	13,856
34	Photography	11	25,125			8,075	17,050	12	2	1,900	23	15,314
35	Plumbing, and gas and steam fitting	22	110,201	15,000	15,000	11,823	68,378	27	7	6,965	204	107,392
36	Printing and publishing, book and job	17	225,750			159,750	66,000	19	15	23,529	215	92,370
37	Printing and publishing, newspapers and periodicals.	10	214,900			111,650	103,250	10	63	66,000	110	80,327
38	Roofing and roofing materials	5	6,750			2,200	4,550	7			25	12,940
39	Saddlery and harness	12	186,770			14,145	172,625	13			115	72,562
40	Sausage	6	53,950	20,600	25,400	950	7,000	7			8	4,200
41	Shirts	7	86,375			22,375	64,000	10			48	21,220
42	Tinsmithing, coppersmithing, and sheet-iron working.	29	76,845	2,000	5,000	14,995	54,850	30	4	3,336	128	75,178
43	Tobacco, cigars and cigarettes	6	31,550	1,500	2,000	2,050	26,000	6	1	2,160	78	46,839
44	Watch, clock, and jewelry repairing	28	68,181	5,700	3,500	13,955	45,026	26	3	780	35	21,062
45	Wirework, including wire rope and cable.	4	5,943			3,418	2,525	3			18	7,740
46	All other industries [1]	52	1,974,192	320,750	402,489	439,944	811,009	56	81	98,805	828	849,628

[1] Embraces awnings, tents, and sails, 1; bags, other than paper, 2; baking and yeast powders, 1; belting and hose, leather, 1; belting and hose, rubber, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brick and tile, 2; brooms and brushes, 2; clothing, women's, factory product, 1; coffins, burial cases, and undertakers' goods, 2; cotton, cleaning and rehandling, 1; flouring and grist mill products, 1; food preparations, 1; furnishing goods, men's, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 2; glass, cutting, staining, and ornamenting, 2; grease and tallow, 1 hairwork, 1; hand stamps, 1; hardware, saddlery, 1;

BY SPECIFIED INDUSTRIES: 1900—Continued.

KNOXVILLE—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
66	$17,796					$4,733	$3,820	$225	$688		$56,957	$56,278	$679	$96,919	27
22	13,072			5	$564	4,424	792	150	3,482		16,021	15,985	36	46,300	28
15	8,144					4,510	3,790	220	530		6,372	6,270	102	34,370	29
1,786	737,641	800	$113,788	226	19,217	152,518	8,082	14,996	129,416	$24	1,718,887	1,642,965	75,922	3,268,282	30

lumber and timber products, 1; marble and stone work, 1; masonry, brick and stone, 1; mattresses and spring beds, 2; mineral and soda waters, 1; musical instruments, pianos and materials, 1; paper hanging, 1; patent medicines and compounds, 2; paving and paving materials, 1; photolithographing and photoengraving, 1; roofing and roofing materials, 1; saws, 1; ship and boat building, wooden, 1; shirts, 1; trunks and valises, 2; vinegar and cider, 1; woolen goods, 2.

MEMPHIS.

7,660	$3,433,206	586	$174,961	187	$33,268	$1,078,049	$204,186	$96,078	$716,989	$61,446	$9,656,969	$9,453,977	$202,992	$17,923,059	1
18	7,030			1	144	3,237	2,672	170	395		10,510	10,410	100	36,894	2
117	65,076			3	320	12,886	10,038	154	2,690	4	78,002	74,637	3,365	233,570	3
32	14,425					8,967	7,384	253	1,320	10	21,544	21,034	510	79,762	4
133	70,933	13	3,049	11	1,293	36,912	9,162	2,215	25,535		459,322	452,363	6,959	668,653	5
278	164,591					56,998	4,858	525	2,815	48,800	379,772	379,495	277	697,500	6
74	25,900					9,850	1,180	100	8,570		60,684	60,669	15	118,379	7
201	87,460					13,483	3,017	2,472	7,994		144,980	143,706	1,274	333,288	8
712	380,499	3	871			4,837		4,237	600		353,097	346,591	6,506	757,046	9
157	94,900	13	4,090	1	100	25,078	19,696	536	4,594	252	112,207	111,512	695	342,357	10
116	49,888	270	59,962			7,917	5,390	1,062	1,465		231,054	229,874	1,180	440,141	11
2	2,000	76	33,682			7,335	5,880	140	1,365		75,470	75,380	90	147,845	12
9	4,598	3	780			4,210	2,160	340	1,710		63,475	62,644	831	102,340	13
42	19,949	14	3,700	6	800	5,933	4,775	172	986		93,266	91,806	1,460	167,382	14
72	39,070					3,235	1,510	25	1,700		85,675	85,025	650	152,200	15
26	3,150					2,534	1,300	414	820		11,812	10,632	1,280	36,937	16
30	12,622	6	1,920	1	144	6,152	4,763	212	1,177		4,732	4,345	387	44,353	17
11	7,150					1,265	1,010	65	190		15,530	15,500	30	30,000	18
761	350,025			3	600	53,682	3,420	8,067	42,195		495,628	478,758	16,870	1,078,718	19
38	22,460					5,041	3,699	210	1,132		12,210	12,175	35	59,706	20
151	56,385			35	7,370	25,862	240	561	25,061		140,865	139,558	1,307	272,682	21
192	102,881					35,475		10,175	25,300		45,362	9,400	35,962	260,000	22
9	6,536	2	600			2,935	2,830	25	80		3,195	3,010	185	17,250	23
1,787	584,076			73	10,560	112,279	4,905	13,195	94,179		1,733,813	1,733,813		3,051,181	24
166	89,200					4,865	600	1,750	2,515		87,975	87,475	500	245,000	25
76	45,752					2,575	390	375	1,810		42,740	40,740	2,000	187,300	26
30	15,800					485	390		95		31,750	30,950	800	58,600	27
8	4,500	31	12,608			4,254	3,327	242	685		35,615	35,615		83,125	28
32	18,400			2	125	5,585	2,000	1,185	2,400		28,328	28,098	230	88,920	29
588	157,920	4	749			143,665	210	13,204	130,251		1,820,935	1,771,268	49,667	2,271,313	30
112	63,789					5,889	4,384	120	1,135	250	60,506	60,381	125	173,754	31
22	9,300	3	600			2,555	780	215	1,560		71,670	70,845	825	111,150	32
17	5,800	16	8,056			60,278	5,776	1,907	52,595		77,515	76,215	1,300	225,900	33
18	12,478	4	2,816	1	50	6,017	5,030	522	465		11,470	11,465	5	47,840	34
204	107,392					14,664	8,200	1,056	5,408		166,508	165,122	1,386	384,910	35
198	88,450	15	3,659	2	261	16,589	11,084	1,649	3,856		118,849	117,157	1,692	354,647	36
108	79,932	1	300	1	95	33,896	6,420	1,835	21,461	4,180	89,077	86,460	2,617	421,050	37
25	12,940					1,495	1,044	76	375		53,440	53,320	120	87,875	38
106	63,692	6	3,600	3	270	13,015	10,909	536	1,570		164,288	162,563	1,725	293,093	39
8	4,200					2,010	1,200	135	675		18,730	18,330	400	30,460	40
9	6,300	39	14,920			10,410	8,700	10	200	1,500	45,815	45,515	300	94,200	41
127	75,078			1	100	9,808	6,745	341	1,522	1,200	97,048	95,355	1,693	271,665	42
78	46,839					19,056	1,440	189	17,427		65,689	65,674	15	150,555	43
33	19,962	1	1,000	1	100	6,588	5,808	187	343	250	12,318	12,073	245	66,107	44
18	7,740					1,310	1,210	35	65		17,872	17,500	372	36,600	45
720	320,693	66	17,999	42	10,936	267,487	18,600	25,184	218,703	5,000	1,907,131	1,850,124	57,007	3,110,816	46

lime and cement, 1; liquors, malt, 1; looking-glass and picture frames, 2; mattresses and spring beds, 2; millinery and lace goods, 1; monuments and tombstones, 1; paper hanging, 2; pumps, not including steam pumps, 1; refrigerators, 1; safes and vaults, 1; saws, 1; ship and boat building, wooden, 1; soap and candles, 1; stencils and brands, 1; sugar and molasses, refining, 1; trunks and valises, 2; umbrellas and canes, 1; vinegar and cider, 1; wood, turned and carved, 2.

TABLE 8.—MANUFACTURES IN CITIES

KNOXVILLE—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
27	Tinsmithing, coppersmithing, and sheet-iron working.	9	$66,870	$1,200	$5,000	$14,125	$46,545	14	6	$4,336	66	$17,796
28	Tobacco, cigars and cigarettes	4	17,750			1,350	16,400	6	1	250	27	13,636
29	Watch, clock, and jewelry repairing	12	10,275			5,700	4,575	14	5	3,384	15	8,144
30	All other industries [1]	41	3,546,809	114,818	430,908	1,801,939	1,199,149	29	97	105,095	2,812	870,646

[1] Embraces artificial limbs, 1; bluing, 1; boxes, fancy and paper, 1; brick and tile, 1; cars and general shop construction and repairs by steam railroad companies, 1; cotton goods, 1; dye stuffs, and extracts, 1; electrical construction and repairs, 1; flavoring extracts, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 2; hand stamps, 1; hosiery and knit goods, 1; ice, manufactured, 2; iron and steel, 1; ironwork, architectural and ornamental, 2; liquors, malt, 1; lock and gun smithing, 1;

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1	All industries	659	$11,189,249	$1,511,199	$1,583,598	$3,091,124	$5,003,328	715	513	$625,135	8,433	$3,641,435
2	Bicycle and tricycle repairing	9	9,478			3,640	5,838	11			19	7,174
3	Blacksmithing and wheelwrighting	60	64,476	5,400	11,625	14,865	32,586	70			120	65,396
4	Boots and shoes, custom work and repairing.	59	25,987	3,000	2,000	7,687	13,300	59			32	14,426
5	Bread and other bakery products	21	470,827	24,000	32,500	269,366	144,961	24	35	18,925	157	75,275
6	Carpentering	33	159,360	12,000	1,200	19,090	127,070	37			278	164,591
7	Carriage and wagon materials	3	75,954		3,900	21,500	50,554	1	3	4,780	74	25,900
8	Carriages and wagons	3	327,170	65,000	63,500	47,726	150,944	7	10	15,420	201	87,460
9	Cars and general shop construction and repairs by steam railroad companies.	3	206,727	39,467	32,000	50,025	85,235		16	17,763	715	381,870
10	Clothing, men's, custom work and repairing.	43	101,992			6,350	95,642	51	3	5,780	171	99,090
11	*Clothing, men's, factory product*	6	131,100	6,000	18,000	20,100	87,000	10	1	1,500	336	109,845
12	Clothing, women's, dressmaking	20	18,296			3,355	14,941	19	3	9,700	78	35,682
13	Coffee and spice, roasting and grinding	5	63,840	1,200	3,000	8,000	51,640	8	14	13,780	12	5,378
14	Confectionery	7	49,593	9,000	12,700	7,105	20,788	10	5	4,200	62	24,449
15	Cooperage	3	28,550		1,000	7,050	20,500	3	4	4,200	72	39,070
16	Cotton, ginning	8	36,600	900	2,200	28,500	5,000	7	2	1,500	25	3,150
17	Dyeing and cleaning	22	17,810	1,000	1,800	7,670	7,340	26			37	14,686
18	Electrical construction and repairs	3	6,350			550	5,800	3			11	7,150
19	Foundry and machine shop products	15	1,070,970	182,000	152,964	269,988	516,018	20	23	33,345	764	350,625
20	Furniture, cabinetmaking, repairing, and upholstering.	28	43,437	2,000	3,000	4,387	34,050	35	2	3,800	33	22,460
21	Furniture, factory product	3	218,701	9,367	22,405	24,702	162,227	1	19	22,620	186	64,255
22	Ice, manufactured	4	544,572	134,950	149,215	163,622	96,785		25	30,770	192	102,881
23	Lock and gun smithing	3	13,580			4,575	9,005	11			11	7,136
24	Lumber and timber products	19	2,292,838	323,265	166,423	555,365	1,247,785	11	96	116,830	1,860	594,636
25	Lumber, planing mill products, including sash, doors, and blinds.	4	218,200	25,000	91,200	52,000	50,000	5			166	89,200
26	Marble and stone work	4	101,250	5,000	2,500	22,250	71,500	6	1	720	76	45,752
27	Masonry, brick and stone	3	11,600			1,800	9,800	3			30	15,800
28	Millinery, custom work	13	18,660	2,500	2,000	1,085	13,075	12	3	6,100	39	17,108
29	Mineral and soda waters	3	86,000	20,000	30,000	16,000	20,000	3	6	3,400	34	18,525
30	Oil, cottonseed and cake	9	1,549,774	321,400	322,427	629,591	276,356		49	72,267	587	158,669
31	Painting, house, sign, etc	21	32,600			5,025	27,575	28	4	4,320	112	63,739
32	Paints	3	54,375	3,000	2,500	7,575	41,300	2	4	7,340	25	9,900
33	Patent medicines and compounds	5	71,550	200	150	5,250	65,950	6	9	17,600	33	13,856
34	Photography	11	25,125			8,075	17,050	12	2	1,900	23	15,344
35	Plumbing, and gas and steam fitting	22	110,201	15,000	15,000	11,823	68,378	27	7	6,965	204	107,392
36	Printing and publishing, book and job.	17	225,750			159,750	66,000	19	15	23,529	215	92,370
37	Printing and publishing, newspapers and periodicals.	10	214,900			111,650	103,250	10	63	66,000	110	80,327
38	Roofing and roofing materials	5	6,750			2,200	4,550	7			25	12,910
39	Saddlery and harness	12	186,770			14,145	172,625	13			115	72,562
40	Sausage	6	53,950	20,600	25,400	950	7,000	7			8	4,200
41	Shirts	7	86,375			22,375	64,000	10			48	21,220
42	Tinsmithing, coppersmithing, and sheet-iron working.	29	76,845	2,000	5,000	14,995	54,850	30	4	3,336	128	75,178
43	Tobacco, cigars and cigarettes	6	31,550	1,500	2,000	2,050	26,000	6	1	2,160	78	46,839
44	Watch, clock, and jewelry repairing	28	68,181	5,700	3,500	13,955	45,026	26	3	780	35	21,062
45	Wirework, including wire rope and cable.	4	5,943			3,418	2,525	3			18	7,740
46	*All other industries* [1]	52	1,974,192	320,756	402,489	439,944	811,009	66	81	98,805	628	343,628

[1] Embraces awnings, tents, and sails, 1; bags, other than paper, 2; baking and yeast powders, 1; belting and hose, leather, 1; belting and hose, rubber, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brick and tile, 2; brooms and brushes, 2; clothing, women's, factory product, 1; coffins, burial cases, and undertakers' goods, 2; cotton, cleaning and rehandling, 1; flouring and grist mill products, 1; food preparations, 1; furnishing goods, men's, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 2; glass, cutting, staining, and ornamenting, 2; grease and tallow, 1 hairwork, 1; hand stamps, 1; hardware, saddlery, 1;

BY SPECIFIED INDUSTRIES: 1900—Continued.

KNOXVILLE—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
66	$17,796					$4,733	$3,820	$225	$688		$56,957	$56,278	$679	$96,919	27
22	13,072			5	$564	4,424	792	150	3,482		16,021	15,985	36	46,300	28
15	8,144					4,510	3,790	220	530		6,372	6,270	102	34,370	29
1,786	737,641	800	$113,783	226	19,217	152,518	8,082	14,996	129,416	$24	1,718,887	1,642,965	75,922	3,263,282	30

lumber and timber products, 1; marble and stone work, 1; masonry, brick and stone, 1; mattresses and spring beds, 2; mineral and soda waters, 1; musical instruments, pianos and materials, 1; paper hanging, 1; patent medicines and compounds, 2; paving and paving materials, 1; photolithographing and photoengraving, 1; roofing and roofing materials, 1; saws, 1; ship and boat building, wooden, 1; shirts, 1; trunks and valises, 2; vinegar and cider, 1; woolen goods, 2.

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7,660	$3,433,206	586	$174,961	187	$33,268	$1,078,649	$204,136	$96,078	$716,939	$61,446	$9,656,969	$9,453,977	$202,992	$17,923,059	1
18	7,030			1	144	3,237	2,672	170	395		10,510	10,410	100	36,894	2
117	65,076			8	320	12,886	10,038	154	2,690	4	78,002	74,637	3,365	283,570	3
32	14,425					8,967	7,384	253	1,320	10	21,544	21,034	510	79,762	4
133	70,933	13	3,049	11	1,293	36,912	9,162	2,215	25,535		459,322	452,363	6,959	668,653	5
278	164,591					56,998	4,858	525	2,815	48,800	379,772	379,495	277	697,500	6
74	25,900					9,850	1,180	100	8,570		60,684	60,669	15	118,379	7
201	87,460					13,483	3,017	2,472	7,994		144,980	143,706	1,274	333,288	8
712	380,499	3	871			4,837		4,237	600		353,097	346,591	6,506	757,046	9
157	94,900	13	4,090	1	100	25,078	19,696	536	4,594	252	112,207	111,512	695	342,357	10
116	49,883	270	59,962			7,917	5,390	1,062	1,465		231,054	229,874	1,180	440,141	11
2	2,000	76	33,682			7,335	5,880	140	1,365		75,470	75,380	90	147,845	12
9	4,598	3	780			4,210	2,160	340	1,710		63,475	62,644	831	102,340	13
42	19,949	14	3,700	6	800	5,933	4,775	172	986		93,266	91,806	1,460	107,382	14
72	39,070					3,235	1,510	25	1,700		85,675	85,025	650	152,200	15
25	8,150					2,534	1,800	414	320		11,312	10,032	1,280	36,937	16
30	12,622	6	1,920	1	144	6,152	4,763	212	1,177		4,782	4,345	337	44,353	17
11	7,150					1,265	1,010	65	190		15,530	15,500	30	30,000	18
761	350,025			3	600	53,682	3,420	8,067	42,195		495,623	478,753	16,870	1,078,713	19
33	22,460					5,041	3,699	210	1,132		12,210	12,175	35	59,706	20
151	56,885			35	7,370	25,862	240	561	25,061		140,865	139,558	1,307	272,682	21
192	102,881					35,475		10,175	25,300		45,362	9,400	35,962	260,000	22
9	6,536	2	600			2,935	2,830	25	80		3,195	3,010	185	17,250	23
1,787	584,076			73	10,560	112,279	4,905	13,195	94,179		1,783,313	1,783,313		3,051,181	24
166	89,200					4,865	600	1,750	2,515		87,975	87,475	500	245,000	25
76	45,752					2,575	390	375	1,810		42,740	40,740	2,000	187,300	26
30	15,800					485	390		95		31,750	30,950	800	58,600	27
8	4,500	31	12,608			4,254	3,327	242	685		35,615	35,615		83,125	28
32	18,400			2	125	5,585	2,000	1,185	2,400		28,328	28,098	230	88,920	29
583	157,920	4	749			143,665	210	13,204	130,251		1,820,935	1,771,268	49,667	2,271,313	30
112	63,739					5,889	4,384	120	1,135	250	60,506	60,381	125	173,754	31
22	9,300	3	600			2,555	780	215	1,560		71,670	70,845	825	111,150	32
17	5,800	16	8,056			66,278	5,776	1,907	52,595		77,515	76,215	1,300	225,900	33
18	12,478	4	2,816	1	50	6,017	5,030	522	465		11,470	11,465	5	47,840	34
204	107,392					14,664	8,200	1,056	5,408		166,508	165,122	1,386	384,910	35
198	88,450	15	3,659	2	261	16,589	11,084	1,649	3,856		118,849	117,157	1,692	354,647	36
108	79,932	1	300	1	95	33,896	6,420	1,835	21,461	4,180	89,077	86,460	2,617	421,050	37
25	12,940					1,495	1,044	76	375		53,440	53,320	120	87,875	38
106	68,692	6	3,600	3	270	13,015	10,909	536	1,570		164,288	162,563	1,725	293,093	39
8	4,200					2,010	1,200	135	675		18,730	18,330	400	30,460	40
9	6,300	39	14,920			10,410	8,700	10	200	1,500	45,815	45,515	300	94,200	41
127	75,078			1	100	9,808	6,745	341	1,522	1,200	97,048	95,355	1,693	271,665	42
78	46,839					19,056	1,440	189	17,427		65,689	65,674	15	150,555	43
33	19,962	1	1,000	1	100	6,588	5,808	187	343	250	12,313	12,073	245	66,107	44
18	7,740					1,310	1,210	35	65		17,872	17,500	372	36,600	45
720	320,693	66	17,999	42	10,936	267,487	18,600	25,184	218,703	5,000	1,907,131	1,850,124	57,007	3,110,816	46

lime and cement, 1; liquors, malt, 1; looking-glass and picture frames, 2; mattresses and spring beds, 2; millinery and lace goods, 1; monuments and tombstones, 1; paper hanging, 2; pumps, not including steam pumps, 1; refrigerators, 1; safes and vaults, 1; saws, 1; ship and boat building, wooden, 1; soap and candles, 1; stencils and brands, 1; sugar and molasses, refining, 1; trunks and valises, 2; umbrellas and canes, 1; vinegar and cider, 1; wood, turned and carved, 2.

TABLE 8.—MANUFACTURES IN CITIES

NASHVILLE.

	MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES AND TOWNS.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	All industries	489	$13,173,422	$960,910	$2,338,469	$4,154,652	$5,719,391	587	1,048	$888,467	8,447	$2,889,241
2	Blacksmithing and wheelwrighting	49	34,440	7,400	6,625	6,755	13,660	65	2	420	65	28,050
3	Boots and shoes, custom work and repairing.	29	8,176	650	780	3,974	2,822	30	1	260	23	8,502
4	Bread and other bakery products	16	76,650	21,900	11,800	14,450	28,500	19	27	12,015	73	36,366
5	Brooms and brushes	7	15,680	1,700	5,020	2,240	6,720	11	3	1,920	31	7,628
6	Carpentering	23	204,682	22,911	44,900	23,172	113,699	38	3	2,700	275	117,825
7	Carriages and wagons	10	78,485	10,850	13,650	9,123	39,862	13	5	5,184	112	47,539
8	Clothing, men's, custom work and repairing.	30	45,828			4,245	41,583	34	19	14,260	76	33,127
9	Clothing, men's, factory product	5	266,286			16,931	249,355	10	32	27,295	437	92,018
10	Confectionery	12	284,033	300	300	134,347	149,086	15	55	41,572	175	51,752
11	Dyeing and cleaning	5	2,440			1,530	910	9			6	1,775
12	Electrical construction and repairs	3	10,200			1,900	8,300	4	2	2,500	15	5,102
13	Fertilizers	3	838,547	73,747	311,219	51,989	461,592		45	48,568	423	88,053
14	Flouring and grist mill products	4	921,837	62,113	233,930	313,500	312,294	2	45	47,206	178	91,350
15	Foundry and machine shop products	13	113,000	11,100	7,000	52,100	42,800	18	13	12,400	141	68,850
16	Furniture, cabinetmaking, repairing, and upholstering.	7	3,430			765	2,665	10			11	4,666
17	Ice, manufactured	4	195,284	24,400	43,211	116,173	11,500	4	14	10,616	79	32,690
18	Leather, tanned, curried, and finished	3	16,553	250	200	1,935	14,168	4	1	300	25	8,061
19	Lock and gun smithing	9	14,875	4,000	2,000	3,850	5,025	12			3	1,430
20	Lumber and timber products	7	866,160	124,450	45,000	82,500	614,210	15	31	26,570	816	239,167
21	Lumber, planing mill products, including sash, doors, and blinds.	6	385,705	31,900	82,340	42,600	228,865	8	16	17,730	296	128,925
22	Masonry, brick and stone	3	74,310	11,700	6,800	20,000	35,810	7	26	11,625	361	122,732
23	Mattresses and spring beds	3	29,371	500	865	3,700	24,306	8	5	4,500	37	10,303
24	Millinery, custom work	4	99,860	16,000	9,000	1,360	73,500	4	16	16,600	91	46,180
25	Mineral and soda waters	3	50,750	13,000	16,000	5,000	16,750	3	7	7,752	25	9,421
26	Monuments and tombstones	4	37,735	19,000	2,500	8,650	7,585	5	3	1,100	23	11,375
27	Painting, house, sign, etc	10	11,945			3,425	8,520	12	1	600	61	28,900
28	Paper hanging	3	14,750			950	13,800	2	6	4,250	24	7,276
29	Patent medicines and compounds	3	57,300			2,300	55,000	5	14	13,800	28	7,458
30	Photography	7	15,135			9,785	5,350	11	5	1,554	20	9,978
31	Plastering and stuccowork	3	13,550	5,000	2,850	1,700	4,000	5	4	1,600	43	12,992
32	Plumbing, and gas and steam fitting	13	127,488	2,100	6,000	10,650	108,738	16	20	8,405	136	55,006
33	Printing and publishing, book and job	13	595,143	18,000	60,000	227,271	289,872	24	55	57,616	371	186,291
34	Printing and publishing, newspapers and periodicals.	34	1,520,158	74,150	228,902	493,888	723,218	20	236	188,594	360	184,541
35	Roofing and roofing materials	5	22,500			2,750	19,750	7	3	1,560	36	10,145
36	Saddlery and harness	13	217,866	825	1,500	25,183	190,358	23	38	31,622	175	58,670
37	Shirts	3	9,000			3,500	5,500	5	5	4,000	29	6,804
38	Soap and candles	3	190,250	14,300	31,500	41,150	103,300	4	23	15,200	97	35,560
39	Tinsmithing, coppersmithing, and sheet-iron working.	14	52,059	10,250	4,355	6,619	30,835	17	3	2,060	73	37,015
40	Tobacco, chewing, smoking, and snuff	4	374,930	18,038	52,579	67,157	237,156	2	36	31,455	104	27,265
41	Tobacco, cigars and cigarettes	10	14,130	1,150	2,500	1,195	9,285	10	2	1,040	22	8,796
42	Trunks and valises	3	23,918	300	900	1,125	21,593	2	7	5,442	40	8,844
43	Watch, clock, and jewelry repairing	11	10,250	800	600	4,725	4,125	14	2	1,000	20	16,541
44	All other industries[1]	65	5,173,733	358,126	1,103,693	2,328,490	1,383,424	60	217	205,636	3,011	888,769

[1] Embraces awnings, tents, and sails, 1; bags, other than paper, 1; baking and yeast powders, 2; belting and hose, leather, 1; bicycle and tricycle repairing, 2; bluing, 1; bookbinding and blank book making, 1; boots and shoes, factory product, 2; boxes, fancy and paper, 2; boxes, wooden packing, 1; brick and tile, 2; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 2; chemicals, 1; clothing, women's, dressmaking, 1; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 2; coffins, burial cases, and undertakers' goods, 2; cooperage, 2; cotton goods, 2; food preparations, 2; furnishing goods, men's, 2; furniture, factory product, 2; gas, illuminating and heating, 1; hairwork, 1; hand stamps, 1; hosiery and knit

TABLE 9.—MANUFACTURES IN CITIES AND

1	Total for cities and towns	718	$9,396,528	$787,171	$2,415,408	$1,853,151	$4,340,798	813	520	$397,001	7,027	$2,073,160
2	Bristol	59	742,605	174,464	82,700	109,362	376,079	66	62	41,066	511	138,898
3	Brownsville	25	78,554	3,275	10,750	20,344	44,185	34	6	2,145	59	15,240
4	Clarksville	105	1,402,405	79,877	250,411	227,511	844,606	131	111	107,121	912	247,202
5	Cleveland	29	238,785	14,950	29,700	66,675	127,460	30	19	15,200	458	97,653
6	Columbia	167	574,789	61,830	114,985	172,488	225,486	191	34	24,556	648	193,636
7	Dayton	21	621,268	4,850	382,650	120,513	113,755	22	11	6,160	606	134,030
8	Dyersburg	36	532,375	151,500	42,250	134,415	204,210	38	23	15,600	233	83,364
9	Harriman	38	473,018	13,290	79,716	146,264	233,748	37	33	21,707	325	87,231
10	Humboldt	30	177,563	14,255	25,974	48,878	88,456	41	17	3,375	188	51,593
11	Jackson	84	1,123,632	71,750	182,325	315,376	554,181	87	112	83,234	1,205	467,340
12	Johnson City	45	1,239,406	75,980	238,085	188,527	736,814	51	34	26,598	549	121,334
13	South Pittsburg	20	1,664,410	77,975	885,095	111,780	589,560	20	26	27,203	678	205,288
14	Trenton	24	312,048	28,675	56,767	117,948	108,658	29	15	11,486	469	165,646
15	Union City	35	215,670	15,000	34,000	73,070	93,600	36	17	11,550	191	59,705

BY SPECIFIED INDUSTRIES: 1900—Continued.

NASHVILLE.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
6,860	$2,467,858	1,700	$377,451	387	$43,932	$1,440,394	$117,628	$87,471	$906,884	$328,411	$10,472,178	$10,297,271	$174,902	$18,469,823	1
65	28,050					6,187	4,957	283	567	380	29,587	28,246	1,341	109,576	2
22	8,398			1	104	4,324	3,491	21	327	485	14,524	14,280	244	43,086	3
67	35,626	1	210	5	530	6,847	3,304	1,128	2,415		90,682	88,081	2,601	168,702	4
28	7,452			3	176	517	318	63	136		26,184	26,084	100	48,980	5
278	117,440			2	385	139,771	1,936	1,656	9,833	126,346	179,010	178,026	984	508,136	6
110	47,244			2	295	8,370	3,876	415	3,314	765	65,560	63,737	1,823	167,164	7
67	36,075	8	1,930	1	122	47,502	11,148	366	2,516	33,472	96,828	95,732	1,096	254,276	8
56	14,874	381	77,144			13,652	3,916	285	9,451		355,149	352,783	2,366	553,364	9
82	36,070	88	14,882	5	800	48,506	7,183	1,578	39,556	189	214,048	209,642	4,406	447,323	10
3	948	3	827			1,066	608	68	390		1,604	1,209	395	8,605	11
15	5,102					2,887	900	40	1,352	595	34,665	34,625	40	53,154	12
423	88,053					110,223		2,583	107,640		764,691	749,260	15,431	1,420,788	13
178	91,350					36,694	240	3,333	33,121		3,423,890	3,403,707	20,183	3,907,017	14
141	68,850					7,516	3,443	633	3,190	250	81,648	77,119	4,529	222,429	15
11	4,666					1,883	1,317	26	35	5	4,187	4,162	25	16,125	16
79	32,690					11,188		2,678	8,460		27,809	5,384	22,425	112,277	17
25	8,061					880	550	126	204		57,217	56,937	280	67,969	18
2	1,200	1	230			1,901	1,608	66	227		4,673	4,426	247	13,923	19
809	238,347			7	820	28,048	1,200	5,098	21,750		690,630	690,630		1,043,525	20
278	127,241			18	1,684	39,710	1,100	1,943	14,667	22,000	281,733	278,345	3,388	553,678	21
361	122,732					34,253	400	397	1,400	32,056	28,219	27,099	1,120	223,822	22
29	9,363	8	1,440			2,602	1,303	158	1,141		61,115	60,489	626	89,049	23
1	180	90	46,000			5,300	3,800	300	1,200		79,425	79,250	175	203,393	24
25	9,421					1,596	96	485	1,015		6,215	5,849	366	29,921	25
23	11,375					1,433	288	800	345		18,977	18,358	619	42,390	26
61	28,900					1,294	994		300		24,975	24,900	75	76,190	27
24	7,276					5,133	2,350	211	922	1,650	18,240	18,175	65	46,700	28
7	3,650	21	3,808			3,990	1,190	500	2,300		70,695	70,350	345	123,166	29
12	7,382	8	2,596			4,872	3,150	499	1,223		10,420	10,159	261	48,608	30
43	12,992					1,542	270	152	810	310	12,754	12,754		35,325	31
136	55,006					11,398	4,542	479	4,877	1,500	112,690	111,904	786	233,367	32
287	162,767	73	21,069	11	2,458	34,893	8,148	4,267	21,882	596	224,391	219,915	4,476	613,439	33
284	144,482	120	39,131	6	928	203,408	7,141	4,454	114,575	77,238	196,830	186,401	10,429	1,014,374	34
36	10,145					2,012	1,430	39	543		22,981	22,774	207	48,598	35
152	55,422	7	1,448	16	1,800	14,265	6,592	1,185	6,448	40	282,794	280,442	2,352	451,913	36
		29	6,804			4,222	1,750	315	337	1,820	12,262	11,950	312	40,700	37
77	30,560	20	5,000			7,078		1,940	5,138		225,124	222,992	2,132	287,920	38
69	36,605			4	410	4,217	1,974	249	1,994		44,208	43,807	401	112,163	39
50	15,598	53	11,372	1	300	110,683	780	990	108,913		102,014	99,244	2,770	357,245	40
18	8,178			4	618	5,349	1,070	49	4,230		16,306	16,212	94	43,764	41
37	8,496	1	108	2	240	2,750	1,920	75	755		17,547	17,442	105	40,409	42
20	16,541					4,084	1,980	34	170	1,900	5,703	5,539	164	36,520	43
1,924	718,055	788	143,452	299	32,262	456,898	15,365	47,504	367,215	26,814	2,433,969	2,368,851	65,118	4,550,720	44

goods, 2; ink, writing, 1; ironwork, architectural and ornamental, 1; liquors, malt, 1; looking-glass and picture frames, 1; marble and stone work, 1; models and patterns, 1; oil, cottonseed and cake, 1; paints, 1; paper goods, not elsewhere specified, 1; paving and paving materials, 2; photolithographing and photoengraving, 2; pottery, terra cotta, and fire-clay products, 1; sewing machine repairing, 2; show cases, 1; stationery goods, not elsewhere specified, 1; stencils and brands, 1; sugar and molasses, refining, 1; surgical appliances, 1; upholstering materials, 1; wirework, including wire rope and cable, 1; woolen goods, 1.

TOWNS UNDER 20,000 IN POPULATION: 1900.

5,851	$1,874,528	797	$155,993	379	$42,639	$781,146	$65,528	$46,973	$644,463	$24,182	$8,442,609	$7,650,761	$791,848	$14,040,951	1
394	119,241	71	13,428	46	6,229	109,020	6,808	2,367	99,781	64	533,743	527,686	6,057	988,073	2
51	18,795	6	1,354	2	91	10,711	2,274	403	1,089	6,945	68,338	66,159	2,179	128,432	3
697	215,311	136	23,906	79	7,935	257,310	22,665	6,439	222,306	5,900	1,698,720	1,627,535	71,185	2,765,876	4
185	52,804	218	38,849	50	6,000	15,832	1,181	1,146	6,355	7,150	267,301	262,498	4,803	464,412	5
502	171,561	108	22,906	38	4,169	43,985	7,567	3,806	30,339	2,223	775,165	761,923	13,242	1,221,168	6
600	133,230	2	320	4	480	20,272	819	2,144	17,309		952,783	624,983	327,800	1,332,591	7
225	81,429	4	1,260	4	675	27,198	2,788	2,791	21,619		397,782	390,823	6,959	638,926	8
295	88,140	9	1,504	21	2,587	14,408	1,322	1,789	11,297		449,311	433,152	16,159	615,441	9
184	51,218	2	225	2	150	13,290	1,315	1,320	10,655		142,616	140,103	2,513	267,411	10
1,074	438,600	125	27,970	6	770	75,371	9,472	8,014	57,785	100	847,514	825,746	21,768	1,894,149	11
494	115,805	8	1,475	47	4,054	29,383	3,806	6,795	16,982	1,800	607,688	555,479	52,209	1,046,537	12
646	199,859	12	2,220	20	3,209	180,725	1,658	6,465	122,602		736,211	485,635	250,576	1,188,616	13
363	147,586	46	11,820	60	6,240	16,761	1,225	1,550	13,986		582,121	571,515	10,606	930,849	14
141	50,949	50	8,756			16,880	2,628	1,944	12,308		383,816	377,524	5,792	558,470	15