TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PEORIA, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
22	Grease and tallow. (See also Soap and candles.)	4	$2,080	$21,900	$1,141
23	Hairwork	3	2,000	450	170
24	Liquors, malt. (See also Bottling.)	4	11,000	863,496	148,304
25	Lock and gun smithing	5	7,000	22,400	1,322
26	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts.)	5	40,750	302,382	22,314
27	Masonry, brick and stone. (See also Plastering and stuccowork.)	13	3,550	134,350	4,284
28	Millinery, custom work	16	82,750	96,050	10,089
29	Mineral and soda waters. (See also Bottling.)	3	3,000	40,225	2,184
30	Monuments and tombstones. (See also Marble and stone work.)	5	5,250	97,693	15,384
31	Painting and paper hanging	23	25,800	47,935	6,236
32	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	4	7,750	6,550	8,440
33	Photography	6	26,100	17,125	3,658
34	Plastering and stuccowork. (See also Masonry, brick and stone.)	7	1,575	40,825	711
35	Plumbing and gas fitting	6	22,720	46,750	3,821
36	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	7	10,300	92,395	8,832
37	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	12	103,200	153,625	66,510
38	Pumps, not including steam pumps	3	8,625	24,870	2,920
39	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	10	8,725	51,909	11,102
40	Saddlery and harness	11	42,270	96,230	6,530
41	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	*12	42,600	116,265	6,500
42	Tobacco, cigars and cigarettes	28	57,890	73,967	28,726
43	Watch, clock, and jewelry repairing. (See also Jewelry.)	12	18,100	7,470	2,445
44	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	3	750	16,250	512
45	All other industries (a)	65	245,720	9,454,717	23,840,374

a Embraces artificial limbs, 1; awnings, tents, and sails, 2; baskets and rattan and willow ware, 1; boot and shoe uppers, 1; bottling, 2; boxes, cigar, 1; boxes, fancy and paper, 1; brass castings and brass finishing, 1; brooms and brushes, 2; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 2; chemicals, 2; clay and pottery products, 1; cleansing and polishing preparations, 1; cordage and twine, 1; corsets, 1; dentistry, mechanical, 2; druggists' preparations, not including prescriptions, 1; electroplating, 1; engraving and diesinking, 1; flavoring extracts, 1; food preparations, 2; fur goods, 1; gas, illuminating and heating, 1; glucose, 2; hats and caps, not

PETERSBURG, VA.

1	All industries	271	374,965	3,911,240	834,420
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	15	5,660	5,194	754
3	Boots and shoes, custom work and repairing	26	11,545	7,091	1,352
4	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	3	.....	19,450	500
5	Bread and other bakery products	10	17,700	14,793	2,433
6	Brick and tile	5	.....	18,755	431
7	Carpentering	12	3,245	32,445	2,540
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	8,935	12,885	1,131
9	Clothing, men's, custom work and repairing	7	12,270	15,490	1,566
10	Clothing, men's, factory product	6	10,179	45,130	1,473
11	Clothing, women's, dressmaking	31	21,060	13,075	2,562
12	Coffins and burial cases, trimming and finishing	5	2,040	11,433	490
13	Confectionery	5	7,150	31,831	1,984
14	Cotton goods. (See also Hosiery and knit goods.)	5	12,500	994,542	53,582
15	Flouring and grist mill products	4	7,275	165,608	6,120
16	Foundry and machine shop products	5	19,614	104,661	12,409
17	Fruits and vegetables, canning and preserving (peanuts)	6	27,550	147,300	12,053
18	Lumber and other mill products from logs or bolts	3	.....	56,960	4,587
19	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing.)	6	4,125	62,850	3,210
20	Masonry, brick and stone. (See also Plastering and stuccowork.)	4	.....	22,050	241
21	Millinery, custom work	5	12,025	12,675	1,583

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PEORIA, ILL.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
10	$6,190	4	$3,000	6	$3,190	.....	.....	$12,427	$21,187	22
4	1,624	2	1,104	2	520	.....	.....	460	2,600	23
86	65,628	15	19,440	71	46,188	.....	.....	115,177	424,273	24
23	13,600	6	4,200	17	9,400	.....	.....	6,775	30,850	25
158	102,859	14	15,790	142	86,069	2	$1,000	230,339	412,902	26
278	182,125	17	26,500	236	136,225	25	19,400	207,297	452,000	27
100	49,880	26	25,510	74	24,370	.....	.....	93,052	184,842	28
27	12,100	5	3,700	22	8,400	.....	.....	9,250	40,000	29
80	58,780	12	14,580	40	29,600	28	14,600	133,389	245,500	30
149	99,241	28	26,954	121	72,287	.....	.....	31,814	160,600	31
10	7,376	5	4,800	5	2,576	.....	.....	5,950	25,625	32
22	14,140	5	4,100	15	9,040	2	1,000	7,150	27,150	33
64	45,630	10	10,650	54	34,980	.....	.....	19,158	71,400	34
78	48,848	12	11,200	66	37,648	.....	.....	50,616	138,000	35
101	52,068	15	14,428	86	37,640	.....	.....	41,593	122,000	36
223	153,836	43	40,618	136	78,714	44	34,504	59,445	340,667	37
38	17,160	6	5,040	32	12,120	.....	.....	65,300	88,600	38
86	67,404	15	19,336	71	48,068	.....	.....	61,073	169,900	39
76	48,194	17	13,974	22	12,320	37	21,900	65,979	143,000	40
159	95,227	28	23,190	131	72,037	.....	.....	86,069	204,024	41
176	92,745	33	23,490	36	9,352	107	59,903	87,541	253,720	42
29	19,224	7	4,194	22	15,030	.....	.....	4,492	28,680	43
15	6,501	4	3,056	9	2,901	2	550	5,578	14,379	44
2,388	1,444,803	125	125,843	2,189	1,269,031	74	49,929	5,480,255	46,092,013	45

including wool hats, 1; hosiery and knit goods, 1; iron and steel, bolts, nuts, washers, and rivets, 1; ironwork, architectural and ornamental, 1; jewelry, 1; liquors, distilled, 1; looking-glass and picture frames, 1; lumber and other mill products from logs or bolts, 1; malt, 2; marble and stone work, 2; mattresses and spring beds, 1; models and patterns, 2; paving and paving materials, 2; pickles, preserves, and sauces, 1; plated and britannia ware, 1; shipbuilding, 1; shirts, 1; slaughtering and meat packing, wholesale, 1; soap and candles, 2; sporting goods, 1; stamped ware, 1; steam fittings and heating apparatus, 1; timber products, not manufactured at mill, 1; trunks and valises, 1; vinegar and cider, 1; watches, 1; window shades, 1.

PETERSBURG, VA.

5,525	1,367,414	417	238,863	4,687	1,055,957	421	72,594	4,384,462	7,167,004	1
30	9,516	15	5,136	13	4,270	2	110	4,715	16,830	2
47	13,329	28	9,508	13	3,570	6	251	5,216	21,736	3
38	14,104	6	3,824	32	10,280	.....	.....	34,630	55,600	4
44	15,670	19	8,030	25	7,640	.....	.....	26,693	48,000	5
73	14,541	6	2,247	67	12,294	.....	.....	4,120	21,375	6
127	56,916	14	9,204	112	47,462	1	250	43,582	112,247	7
33	14,780	1	600	31	13,820	1	360	8,207	29,713	8
51	14,430	8	3,455	23	4,504	20	6,480	15,435	36,075	9
72	17,380	9	4,720	63	12,660	.....	.....	33,038	59,459	10
100	21,942	33	12,228	64	9,534	3	180	49,813	79,133	11
14	4,949	8	3,670	6	1,279	.....	.....	5,427	12,575	12
45	14,448	12	5,098	33	9,350	.....	.....	27,578	45,301	13
693	126,920	14	11,581	679	115,339	.....	.....	410,845	574,536	14
51	22,838	11	7,920	40	14,918	.....	.....	521,918	591,583	15
150	69,168	12	9,534	138	59,634	.....	.....	35,809	139,042	16
248	43,311	13	8,677	235	34,634	.....	.....	616,220	718,350	17
181	37,900	6	4,800	25	8,600	150	24,500	19,188	73,000	18
81	35,147	8	4,857	73	30,290	.....	.....	58,695	120,278	19
64	21,812	5	2,600	59	19,212	.....	.....	17,651	43,916	20
38	10,250	9	2,616	29	7,634	.....	.....	13,725	29,700	21

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PETERSBURG, VA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
22	Mineral and soda waters	4	$1,450	$12,363	$707
23	Painting and paper hanging	7	3,845	1,800	490
24	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	4	20,400	22,705	3,162
25	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	9	16,250	24,669	8,120
26	Saddlery and harness	3	2,725	17,250	718
27	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	7	10,050	7,170	1,347
28	Tobacco, chewing, smoking, and snuff	11	39,322	1,188,598	668,745
29	Tobacco, cigars and cigarettes	3	6,340	3,975	1,856
30	Tobacco, stemming and rehandling	6	10,720	40,650	6,681
31	Watch, clock, and jewelry repairing	7	6,990	6,088	850
32	All other industries (a)	43	74,000	791,754	30,743

a Embraces agricultural implements, 1; bags, other than paper, 1; bookbinding and blank-book making, 1; boxes, fancy and paper, 1; brooms and brushes, 2; carpets, rag, 1; coffee and spice, roasting and grinding, 1; cooperage, 1; dyeing and cleaning, 2; dye stuffs and extracts, 2; fertilizers, 1; fireworks, 1; gas, illuminating and heating, 1; hats and caps, not including wool hats, 1; hosiery and knit goods, 1; ice, artificial, 1; lock and gun smithing, 2; looking-glass and picture frames, 2; mat-

PHILADELPHIA, PA.

1	All industries (a)	18,166	64,144,077	375,249,715	39,615,476
2	Agricultural implements	4	15,225	702,755	38,704
3	Artificial feathers and flowers. (See also Millinery and lace goods.)	26	88,200	261,797	16,954
4	Artificial limbs. (See also Surgical appliances.)	4	8,000	10,650	1,183
5	Artists' materials	9	37,000	84,635	7,673
6	Awnings, tents, and sails	53	89,700	165,412	14,391
7	Babbitt metal and solder	8	36,500	225,024	7,340
8	Bags, other than paper	5	54,900	1,389,450	82,403
9	Bags, paper	6	22,000	184,375	10,503
10	Baking and yeast powders	7	17,300	48,850	5,599
11	Baskets and rattan and willow ware	47	54,400	63,288	7,071
12	Belting and hose, leather	7	42,000	275,096	9,465
13	Bicycle and tricycle repairing	5	7,100	9,660	1,212
14	Billiard tables and materials	4	16,000	47,200	3,538
15	Blacking. (See also Cleansing and polishing preparations.)	9	76,150	513,197	113,236
16	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	383	441,700	1,010,595	87,066
17	Bluing	11	29,300	49,563	6,941
18	Bone, ivory, and lamp black	3	.....	671,800	16,731
19	Bookbinding and blank-book making. (See also Printing and publishing.)	67	649,200	1,341,349	116,692
20	Boot and shoe cut stock	7	18,300	49,818	3,057
21	Boot and shoe findings	6	16,800	42,847	11,141
22	Boot and shoe uppers	39	77,500	158,863	13,950
23	Boots and shoes, custom work and repairing	1,433	1,669,000	1,539,560	210,737
24	Boots and shoes, factory product	93	875,245	3,310,549	210,463
25	Bottling. (See also Liquors, malt; Mineral and soda waters.)	153	363,700	993,186	168,793
26	Boxes, cigar	13	30,200	284,005	20,349
27	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	39	295,000	1,332,457	92,331
28	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	47	157,800	640,949	47,612
29	Brass castings and brass finishing. (See also Bronze castings; Plumbers' supplies.)	40	152,500	1,575,267	64,290
30	Brassware	13	110,500	225,465	26,237
31	Bread and other bakery products	1,360	2,027,500	5,293,825	480,077
32	Brick and tile. (See also Clay and pottery products.)	80	743,500	5,761,130	239,917
33	Bridges	7	19,000	139,800	14,593
34	Brooms and brushes	94	183,000	828,001	37,939
35	Buttons	14	60,000	295,356	18,702
36	Card cutting and designing	15	27,125	42,010	4,431
37	Carpentering	924	895,600	7,613,160	430,212
38	Carpets and rugs, other than rag. (See also Woolen goods.)	133	1,087,200	14,458,290	791,428
39	Carpets, rag	160	144,500	230,147	16,749
40	Carriage and wagon materials	18	55,000	232,551	21,389
41	Carriages and sleds, children's	11	102,000	171,997	15,444

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Philadelphia. This industry is reported as of the place where the office of the establishment is located, because it is not prac-

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PETERSBURG, VA.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
20	$8,414	7	$4,056	12	$4,258	1	$100	$4,921	$19,400	22
28	8,697	9	3,081	19	5,616	.....	.....	8,015	18,716	23
17	11,740	4	3,255	13	8,491	.....	.....	8,979	29,362	24
49	23,301	8	4,572	40	18,677	1	52	8,132	55,899	25
14	5,948	4	2,260	10	3,688	.....	.....	4,761	14,780	26
18	6,492	9	3,608	9	2,884	.....	.....	6,212	15,556	27
2,142	450,771	35	27,658	1,939	388,865	168	34,248	1,116,396	2,422,141	28
12	4,835	4	2,300	4	1,245	4	1,290	8,940	20,440	29
225	23,010	14	3,943	211	19,067	.....	.....	436,554	475,153	30
8	4,358	6	2,850	2	1,508	.....	.....	1,869	8,746	31
812	240,482	80	60,975	668	174,734	64	4,773	827,178	1,258,352	32

tresses and spring beds, 2; monuments and tombstones, 1; patent medicines and compounds, 1; perfumery and cosmetics, 1; photography, 2; plastering and stuccowork, 2; plumbing and gas fitting, 2; roofing and roofing materials, 1; shirts, 1; silk and silk goods, 1; soap and candles, 1; trunks and valises, 1; upholstery materials, 2; window shades, 1; wirework, including wire rope and cable, 1.

PHILADELPHIA, PA.

260,204	135,917,021	25,617	22,610,848	183,934	91,963,484	50,713	21,342,689	311,645,804	577,234,446	1
299	182,327	26	30,078	176	93,780	97	58,469	173,734	512,518	2
655	191,284	32	22,574	481	137,010	142	31,700	283,856	619,485	3
8	4,756	4	2,580	3	1,676	1	500	2,491	10,850	4
54	30,970	12	11,748	41	19,022	1	200	48,598	142,537	5
208	139,398	46	33,337	148	102,581	14	3,480	229,705	460,446	6
51	35,457	14	14,752	37	20,705	.....	.....	558,898	679,054	7
684	221,260	51	27,572	526	167,866	107	25,822	2,303,950	3,241,280	8
91	45,004	16	14,284	59	26,072	16	4,648	171,141	272,800	9
31	14,590	7	5,108	24	9,482	.....	.....	66,958	113,786	10
101	47,180	39	18,602	27	11,358	35	17,220	39,269	136,047	11
53	40,101	14	13,902	39	26,139	.....	.....	185,380	279,027	12
16	8,574	5	3,360	11	5,214	.....	.....	2,373	17,170	13
20	13,924	3	3,300	17	10,624	.....	.....	50,454	92,950	14
299	135,614	43	50,122	143	52,567	113	32,925	364,326	743,002	15
1,322	891,000	335	266,627	967	618,580	20	5,793	485,529	1,819,502	16
56	22,887	13	10,246	32	9,704	11	2,937	48,693	118,298	17
168	97,800	22	30,600	83	36,700	63	30,500	146,120	406,000	18
1,616	723,295	137	130,757	1,062	461,214	417	131,324	774,695	2,025,793	19
25	12,400	6	4,304	18	7,296	1	800	69,740	85,975	20
118	41,906	7	6,916	72	24,130	39	10,860	26,544	95,978	21
173	77,284	33	21,818	92	36,571	48	18,895	139,444	273,375	22
2,739	1,242,913	1,256	592,863	697	308,663	789	341,387	818,410	2,747,403	23
5,140	2,391,509	194	194,702	2,237	902,914	2,709	1,293,893	3,159,934	6,851,834	24
711	414,676	154	127,247	546	283,820	11	3,609	1,559,612	2,585,598	25
423	177,949	27	22,274	287	118,205	109	37,470	262,433	533,573	26
2,154	603,826	69	70,588	837	254,978	1,248	278,260	739,343	1,762,350	27
602	319,617	52	45,040	515	259,933	35	14,644	744,307	1,248,566	28
685	443,616	94	109,201	587	332,167	4	2,248	1,435,024	2,512,336	29
163	110,409	21	25,933	124	74,956	18	9,520	140,056	378,555	30
4,479	2,311,357	1,360	877,736	3,028	1,404,551	91	29,076	5,983,483	10,778,592	31
4,463	1,367,721	86	103,914	3,944	1,611,802	433	152,005	529,902	3,586,191	32
244	152,921	5	6,980	239	145,941	.....	.....	328,420	582,161	33
682	319,865	93	80,015	269	97,654	320	142,196	462,330	1,009,238	34
372	137,435	26	21,650	155	59,271	191	56,514	148,678	386,719	35
130	63,704	17	16,108	101	45,536	12	2,150	32,914	134,841	36
8,118	5,948,864	865	784,173	6,859	4,816,572	394	348,119	8,302,196	17,316,892	37
12,124	5,288,702	243	257,751	9,193	3,892,532	2,688	1,138,419	13,070,198	22,000,681	38
364	136,307	133	57,208	194	67,533	37	11,566	180,411	395,983	39
174	99,198	28	20,164	99	49,226	47	29,808	117,897	295,343	40
155	84,813	28	23,389	81	39,632	46	21,792	162,176	346,570	41

ticable to exactly locate its operations within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PHILADELPHIA, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
42	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	157	$486,000	$2,646,067	$131,301
43	Cars and general shop construction and repairs by steam railroad companies.	3	.....	1,981,870	.....
44	Cars and general shop construction and repairs by street railroad companies.	6	67,300	97,510	10,243
45	Cheese and butter, urban dairy product	33	21,700	66,020	5,725
46	Chemicals. (See also Fertilizers; Paints; Varnish.)	36	137,280	11,082,395	272,696
47	China, decorating	14	37,000	45,065	5,092
48	Clay and pottery products. (See also Brick and tile.)	16	16,970	949,550	32,199
49	Cleansing and polishing preparations. (See also Blacking.)	6	16,000	24,700	3,554
50	Cloth, sponging and refinishing	3	5,000	55,350	2,741
51	Clothing, horse	7	32,000	245,550	12,416
52	Clothing, men's, custom work and repairing	723	2,469,000	4,145,550	395,380
53	Clothing, men's, factory product	90	2,915,000	14,214,554	3,050,927
54	Clothing, men's, factory product, materials furnished	212	216,500	206,347	41,844
55	Clothing, men's, factory product, buttonholes	17	24,000	42,932	8,082
56	Clothing, women's, dressmaking	712	857,600	589,884	114,079
57	Clothing, women's, factory product	74	613,200	1,641,777	229,646
58	Coffee and spice, roasting and grinding	50	172,000	849,442	61,860
59	Coffins and burial cases, trimming and finishing	87	135,100	792,486	38,918
60	Coffins, burial cases, and undertakers' goods	11	36,100	122,375	7,637
61	Combs	5	11,520	78,450	3,46[illegible]
62	Confectionery	321	1,365,000	2,968,949	346,137
63	Cooperage	91	118,000	1,060,113	41,110
64	Cordage and twine	13	132,800	2,179,878	54,528
65	Cordials and sirups	4	33,600	10,153	4,575
66	Cork, cutting	6	18,125	126,725	18,409
67	Corsets	17	39,000	133,774	10,199
68	Cotton goods. (See also Hosiery and knit goods.)	123	1,741,073	7,942,624	377,833
69	Cotton waste	19	54,300	365,821	28,102
70	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	33	72,850	276,087	16,262
71	Dentistry, mechanical	217	286,500	325,923	46,641
72	Dentists' materials	6	346,000	2,082,871	360,208
73	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	339	748,600	1,507,678	119,085
74	Dyeing and cleaning	73	128,000	279,864	33,829
75	Dyeing and finishing textiles	78	388,625	4,377,994	347,452
76	Electrical apparatus and supplies	9	37,000	429,549	20,908
77	Electroplating	31	113,800	522,473	22,906
78	Enameling	3	5,400	5,828	1,012
79	Engravers' materials	5	14,060	27,550	2,455
80	Engraving and diesinking	47	65,400	69,644	10,029
81	Engraving, steel, including plate printing. (See also Lithographing and engraving; Photolithographing and engraving.)	24	118,700	209,961	27,065
82	Engraving, wood	33	52,300	122,993	15,553
83	Envelopes	8	119,000	373,969	28,399
84	Fancy articles, not elsewhere specified	37	124,300	248,951	42,745
85	Fertilizers. (See also Chemicals.)	6	40,000	1,920,286	239,093
86	Files. (See also Cutlery and edge tools.)	13	28,000	886,391	43,065
87	Fish, canning and preserving. (See also Food preparations.)	5	4,200	37,250	5,175
88	Flavoring extracts	14	67,000	216,455	23,320
89	Flouring and grist mill products	23	81,700	506,992	32,351
90	Food preparations. (See also Fish, canning and preserving; Fruits and vegetables, canning and preserving.)	31	85,000	673,965	57,339
91	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	345	2,975,100	30,080,644	1,853,661
92	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves and sauces.)	8	78,000	628,354	27,783
93	Fur goods. (See also Hats and caps, not including wool hats.)	31	271,600	1,122,270	48,055
94	Furnishing goods, men's. (See also Shirts.)	67	535,800	1,366,138	249,166
95	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	427	1,137,500	1,756,645	163,466
96	Furniture, chairs	15	125,800	410,304	25,308
97	Furniture, factory product	79	940,300	3,287,287	236,694
98	Galvanizing	5	35,400	579,816	45,554
99	Gas and lamp fixtures. (See also Lamps and reflectors.)	17	390,500	1,153,135	119,024
100	Gas machines and meters	7	190,750	886,941	52,715
101	Glass	11	8,000	1,899,619	74,308

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: *1890—Continued.*

PHILADELPHIA, PA.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
1,865	$1,165,604	186	$176,545	1,502	$880,420	177	$108,639	$837,926	$2,618,173	42
1,599	930,707	31	21,391	1,550	896 345	18	12,971	1,070,524	2,048,061	43
277	197,967	1	780	276	197,187	.....	.....	156,294	376,815	44
47	17,507	23	8,797	24	8,710	.....	.....	53,707	85,765	45
2,078	1,206,695	189	214,156	1,854	974,439	35	18,100	6,205,398	9,674,910	46
33	17,329	12	6,725	18	8,696	3	1,908	11,848	48,250	47
523	268,538	43	36,085	439	210,113	41	22,340	137,061	501,996	48
44	21,010	10	7,880	32	12,680	2	450	27,688	77,656	49
51	31,052	4	2,924	47	28,128	.....	.....	3,498	46,500	50
191	67,785	10	6,530	60	28,220	121	33,035	177,785	327,500	51
4,745	2,599,211	770	594,791	1,933	1,014,645	2,042	989,775	2,665,282	6,901,631	52
4,306	2,664,427	681	660,974	1,704	1,118,195	1,921	885,258	13,482,309	28,264,135	53
2,360	932,137	179	103,899	1,549	599,103	632	229,135	21,140	1,226,083	54
229	93,431	15	8,868	120	46,290	94	38,273	20,076	142,104	55
2,514	775,584	634	279,885	1,752	467,229	128	28,470	521,416	1,720,476	56
2,456	785,863	142	115,084	848	331,196	1,466	339,583	1,920,593	3,335,746	57
323	199,229	93	84,582	207	104,306	23	10,341	1,054,390	2,119,452	58
278	195,232	100	87,446	157	96,874	21	10,912	347,563	786,530	59
59	36,888	11	8,880	30	17,662	18	10,346	127,427	235,920	60
60	30,960	8	7,326	48	22,634	4	1,000	26,066	70,315	61
2,199	958,512	526	326,918	1,501	593,594	172	38,000	2,813,210	5,154,563	62
961	496,299	91	70,128	756	367,277	114	58,894	980,977	1,749,985	63
969	327,045	39	43,283	793	244,403	137	39,959	2,362,477	3,058,756	64
15	6,910	8	5,520	4	1,140	3	250	7,699	27,285	65
89	32,568	8	7,390	81	25,178	.....	.....	84,061	156,400	66
169	54,193	16	10,739	137	39,718	16	3,736	92,474	184,265	67
7,080	2,883,596	215	215,177	6,231	2,468,560	634	199,859	6,459,484	11,514,601	68
132	64,460	26	21,773	105	42,537	1	150	536,209	684,283	69
167	105,046	41	37,460	102	55,654	24	11,932	47,142	203,116	70
288	190,522	205	145,689	72	38,987	11	5,846	121,644	509,577	71
737	570,826	143	255,633	591	312,853	3	2,340	561,714	1,701,840	72
718	352,193	324	184,165	386	166,972	8	1,056	471,039	1,275,629	73
363	163,121	78	46,810	205	77,984	80	38,327	43,944	333,269	74
2,710	1,430,627	173	194,807	2,480	1,217,685	57	18,135	1,953,812	4,356,272	75
201	90,688	19	13,526	174	73,062	8	4,160	425,822	639,365	76
186	109,342	37	32,136	137	69,798	12	7,408	58,897	299,102	77
10	5,212	5	3,000	5	2,212	.....	.....	3,572	10,400	78
23	15,947	5	4,840	18	11,107	.....	.....	7,778	28,809	79
112	81,922	44	40,647	66	40,631	2	644	18,937	146,796	80
265	171,895	45	44,199	169	95,613	51	32,083	46,042	292,648	81
155	118,286	37	35,299	96	74,306	22	8,681	28,486	227,173	82
268	115,290	26	23,100	165	73,047	77	19,143	238,598	438,299	83
269	102,971	29	23,042	202	72,735	38	7,194	156,073	465,893	84
526	254,601	45	38,374	481	216,227	.....	.....	1,600,563	2,244,364	85
745	401,402	36	66,256	380	171,532	329	163,614	391,663	955,636	86
30	18,090	8	5,570	22	12,520	.....	.....	91,885	126,370	87
83	55,458	20	25,233	63	30,225	.....	.....	430,864	612,262	88
131	80,142	27	23,883	104	56,259	.....	.....	1,411,422	1,662,697	89
388	162,169	54	44,966	276	95,357	58	21,846	645,083	1,066,620	90
17,422	11,133,324	1,035	1,176,530	14,868	9,079,457	1,519	877,337	11,973,876	29,554,444	91
214	110,320	43	45,614	134	57,952	37	6,754	477,029	700,022	92
512	257,461	44	33,523	414	211,730	54	12,208	558,806	1,016,851	93
1,406	520,572	110	118,537	403	163,875	893	238,160	1,579,581	2,856,867	94
1,647	941,150	404	268,335	1,101	613,198	142	59,617	999,816	2,779,979	95
308	177,908	28	29,412	210	113,600	70	34,896	331,471	695,444	96
2,589	1,636,886	192	212,447	2,108	1,255,546	289	168,893	1,941,180	4,812,913	97
289	155,768	23	36,081	253	111,567	13	8,120	785,036	1,066,079	98
1,060	659,691	104	129,714	928	514,031	28	15,946	463,788	1,489,810	99
497	314,600	28	31,793	431	258,457	38	24,350	278,824	818,062	100
2,079	831,251	44	54,226	1,471	413,336	564	363,689	391,957	1,718,016	101

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PHILADELPHIA, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
102	Glass, cutting, staining, and ornamenting	33	$121,000	$243,403	$25,981
103	Gloves and mittens. (See also Hosiery and knit goods; Woolen goods.)	3	8,125	30,900	2,301
104	Gold and silver, leaf and foil	10	20,250	605,145	17,100
105	Gold and silver, reducing and refining, not from the ore	5	13,825	14,225	1,819
106	Grease and tallow. (See also Axle grease; Soap and candles.)	14	37,000	418,680	30,350
107	Hairwork	48	160,000	274,027	29,868
108	Hand stamps	9	31,125	88,155	4,462
109	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	27	135,250	1,704,778	64,841
110	Hardware, saddlery	12	27,000	83,700	4,648
111	Hat and cap materials	7	14,250	125,522	3,778
112	Hats and caps, not including wool hats. (See also Fur goods; Straw goods, not elsewhere specified.)	85	595,000	2,453,022	337,872
113	Hosiery and knit goods. (See also Cotton goods; Gloves and mittens; Woolen goods.)	178	993,670	7,830,196	654,926
114	House furnishing goods, not elsewhere specified	17	48,125	202,942	14,248
115	Ice, artificial	3	5,000	281,850	12,291
116	Ink, printing	8	39,800	595,300	23,572
117	Ink, writing	5	16,650	47,737	3,816
118	Instruments, professional and scientific	42	169,400	583,945	45,036
119	Iron and steel	9	.....	4,437,992	427,816
120	Iron and steel, bolts, nuts, washers, and rivets	9	3,570	1,687,301	64,327
121	Iron and steel, forgings	6	20,570	206,872	10,423
122	Iron and steel, nails and spikes, cut and wrought, including wire nails	6	33,360	385,949	29,145
123	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	49	198,225	1,132,014	65,433
124	Ivory and bone work	7	77,500	222,959	23,827
125	Japanning	4	6,000	30,254	2,694
126	Jewelry. (See also Watch, clock, and jewelry repairing.)	39	384,000	2,089,648	112,544
127	Jewelry and instrument cases	8	45,200	53,984	9,332
128	Kaolin and other earth grinding	10	40,000	379,276	20,987
129	Kindling wood	14	14,200	126,374	8,166
130	Labels and tags	4	1,300	16,602	1,933
131	Lamps and reflectors. (See also Gas and lamp fixtures.)	10	60,450	454,357	22,762
132	Lasts	5	17,200	45,181	3,129
133	Leather goods. (See also Pocketbooks; Trunks and valises.)	14	132,500	494,745	50,837
134	Leather, morocco	33	410,500	5,021,913	366,327
135	Leather, tanned and curried	30	196,750	1,176,565	59,005
136	Lightning rods	3	2,000	167,550	3,381
137	Liquors, malt. (See also Bottling.)	76	254,000	16,335,750	2,620,935
138	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	23	179,125	1,702,201	72,771
139	Lock and gun smithing	87	113,725	236,370	20,402
140	Looking-glass and picture frames	82	480,000	822,019	85,091
141	Lumber and other mill products from logs or bolts	4	171,000	523,663	48,612
142	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	61	295,750	3,204,202	201,300
143	Malt. (See also Liquors, malt.)	6	52,000	903,172	38,638
144	Mantels, slate, marble, and marbleized	9	81,250	196,600	15,455
145	Marble and stone work. (See also Monuments and tombstones.)	98	285,750	1,613,016	93,467
146	Masonry, brick and stone. (See also Plastering and stuccowork.)	501	438,250	6,582,960	2,144,770
147	Matches	5	26,750	118,537	16,451
148	Mats and matting	3	3,700	13,700	1,012
149	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	41	200,000	428,360	46,886
150	Millinery and lace goods. (See also Artificial feathers and flowers.)	24	168,500	549,610	57,039
151	Millinery, custom work	265	737,200	884,103	126,564
152	Mineral and soda waters. (See also Bottling.)	31	117,255	237,758	35,498
153	Mirrors	4	26,500	23,750	3,387
154	Models and patterns	37	77,239	91,693	13,144
155	Monuments and tombstones. (See also Marble and stone work.)	51	61,636	591,060	23,289
156	Mucilage and paste	7	17,524	73,046	5,531
157	Musical instruments and materials, not specified	39	80,700	247,078	52,033
158	Musical instruments, organs and materials	11	56,061	116,120	33,058
159	Musical instruments, pianos and materials	10	46,892	389,855	55,764
160	Needles and pins	5	5,232	41,830	3,621
161	Oil, linseed	3	3,700	666,200	17,609

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PHILADELPHIA, PA.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
366	$216,432	32	$30,746	321	$180,776	13	$4,910	$102,185	$480,804	102
31	13,066	7	2,960	3	1,578	21	8,528	26,442	47,212	103
452	209,928	20	18,389	403	176,385	29	15,154	685,530	986,472	104
12	13,865	5	9,500	7	4,365	.....	.....	143,930	174,500	105
168	104,576	23	22,030	145	82,546	.....	.....	858,576	1,107,529	106
207	85,305	52	32,328	120	45,703	35	7,274	100,947	288,942	107
73	53,705	18	19,564	38	20,569	17	13,572	43,123	127,060	108
1,624	789,613	83	80,228	1,237	547,375	304	162,010	582,194	1,932,761	109
69	41,477	16	11,700	31	29,699	22	9,078	30,085	98,637	110
87	44,240	8	8,550	69	31,815	10	3,875	111,363	194,000	111
2,209	1,099,926	129	117,421	1,074	507,946	1,006	474,559	1,507,271	3,388,220	112
12,637	4,025,709	406	416,885	5,663	1,831,079	6,568	1,777,745	7,710,256	14,932,981	113
172	72,958	19	15,270	131	48,362	22	9,326	276,354	411,041	114
27	19,807	4	3,704	20	12,879	3	3,224	12,059	118,990	115
132	120,575	30	39,355	102	81,220	.....	.....	256,677	503,277	116
39	15,632	8	6,958	31	8,674	.....	.....	44,835	86,829	117
423	313,006	61	62,409	293	190,108	69	60,489	153,050	720,879	118
2,294	1,363,519	125	147,615	2,169	1,215,904	.....	.....	2,624,701	5,022,312	119
1,057	433,298	32	32,783	499	221,879	526	178,636	844,028	1,543,823	120
156	81,580	11	8,840	81	39,604	64	33,136	148,125	298,738	121
214	112,814	8	6,860	128	61,862	78	44,086	438,632	670,427	122
970	608,640	80	75,772	857	510,782	33	22,086	879,748	1,852,212	123
311	125,250	26	18,794	188	64,963	97	38,602	128,811	330,116	124
31	14,922	3	3,320	25	10,792	3	810	6,568	35,200	125
1,038	636,629	126	129,628	744	422,590	168	78,411	1,856,712	3,139,596	126
104	55,002	17	20,768	86	34,000	1	234	63,979	173,520	127
141	90,584	29	20,920	107	59,719	5	945	227,703	386,351	128
83	34,653	11	6,220	58	24,363	14	4,070	56,158	115,263	129
32	12,950	6	4,270	26	8,680	.....	.....	3,285	20,450	130
90	60,918	23	20,804	64	37,514	3	2,600	135,236	261,355	131
67	37,709	5	4,664	61	32,407	1	728	22,388	79,307	132
568	278,367	62	56,501	404	168,966	102	52,900	504,332	1,010,648	133
3,012	1,681,365	140	150,614	2,092	997,542	780	533,209	7,725,719	10,840,198	134
582	370,328	55	55,624	321	171,918	206	142,786	1,235,112	1,842,099	135
76	54,514	14	25,740	62	28,774	.....	.....	95,500	219,100	136
1,910	1,635,241	223	418,428	1,680	1,215,413	7	1,400	3,694,153	10,506,692	137
800	504,582	66	58,510	695	413,842	39	32,230	593,263	1,578,619	138
201	114,028	80	51,154	118	61,974	3	900	63,215	248,530	139
552	322,873	110	98,694	396	209,513	46	14,666	428,465	1,041,556	140
128	83,028	15	21,644	111	58,784	2	2,600	494,183	652,856	141
2,164	1,395,509	148	166,414	1,894	1,188,290	62	40,805	2,162,363	4,275,732	142
109	57,348	11	20,640	98	36,708	.....	.....	411,728	562,462	143
208	141,040	16	16,336	192	124,704	.....	.....	104,839	365,818	144
1,569	1,133,285	103	112,143	1,447	1,015,662	19	5,480	1,348,645	2,970,579	145
11,097	7,580,785	513	525,609	9,875	6,417,868	709	637,308	10,525,867	23,631,669	146
159	51,899	8	8,530	58	20,811	93	22,558	74,699	164,829	147
18	6,132	3	1,628	13	3,464	2	1,040	6,671	15,020	148
381	205,470	51	37,078	224	107,250	106	61,142	570,948	1,050,702	149
606	216,327	45	36,012	383	128,681	178	51,634	407,826	863,940	150
986	382,705	256	143,882	688	229,795	42	9,028	722,118	1,575,469	151
157	83,366	37	27,505	119	55,761	1	100	133,809	333,575	152
18	12,432	4	3,608	14	8,824	.....	.....	60,292	84,500	153
199	130,053	31	26,178	165	102,513	3	1,362	36,297	227,539	154
421	306,908	58	58,417	352	244,186	11	4,305	293,658	768,173	155
45	25,252	11	10,440	30	13,812	4	1,000	116,336	204,960	156
181	117,609	43	36,118	132	78,051	6	3,440	92,846	332,351	157
108	95,006	20	24,790	87	69,916	1	300	53,963	214,565	158
185	145,655	18	24,470	68	45,645	99	75,540	195,532	448,800	159
41	18,140	6	6,060	23	10,190	12	1,890	8,414	39,803	160
79	40,008	6	6,900	73	33,108	.....	.....	895,061	1,043,266	161

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PHILADELPHIA, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
162	Oil, lubricating	8	$62,400	$176,100	$12,426
163	Optical goods	38	283,189	564,657	63,106
164	Painting and paper hanging	1,001	1,350,548	2,781,794	235,060
165	Paints. (See also Chemicals; Varnish.)	35	236,173	3,678,213	407,069
166	Paper. (See also Pulp, wood.)	10	20,000	2,546,691	195,312
167	Paper goods, not elsewhere specified	12	54,205	112,205	12,872
168	Paper hangings	7	151,538	1,355,188	104,168
169	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	93	437,968	2,464,493	536,463
170	Paving and paving materials	71	184,095	908,213	119,946
171	Perfumery and cosmetics. (See also Druggists' preparations, not including prescriptions.)	21	106,094	324,577	62,596
172	Petroleum, refining	4	195,275	9,156,523	311,923
173	Photographic materials	7	42,394	132,216	15,489
174	Photography	116	691,000	553,892	92,623
175	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	9	44,156	61,500	10,115
176	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	18	93,297	144,957	37,281
177	Pipes, tobacco	7	14,779	196,910	7,993
178	Plastering and stucco work. (See also Masonry, brick and stone.)	143	100,800	517,696	30,941
179	Plated and britannia ware. (See also Silverware.)	9	39,889	130,805	9,204
180	Plumbers' supplies. (See also Brass castings and brass finishing.)	15	131,687	1,401,675	66,087
181	Plumbing and gas fitting	498	742,463	2,612,597	150,679
182	Pocketbooks. (See also Leather goods.)	8	35,200	236,250	21,721
183	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	338	2,862,303	10,989,436	2,280,530
184	Printing and publishing, music. (See also Bookbinding and blank-book making.)	17	80,188	607,170	94,057
185	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	313	2,031,941	9,046,867	3,709,581
186	Printing materials	9	50,063	91,727	10,729
187	Pumps, not including steam pumps	4	5,037	73,092	4,602
188	Refrigerators	8	132,225	199,570	26,324
189	Regalia and society banners and emblems. (See also Flags and banners.)	28	95,632	251,151	20,040
190	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	211	374,657	1,214,898	97,993
191	Rubber and elastic goods	5	91,702	315,077	62,040
192	Saddlery and harness	178	330,127	713,680	66,548
193	Safes and vaults	4	50,780	118,450	17,220
194	Sausage. (See also Slaughtering.)	10	9,954	76,475	2,925
195	Saws	6	3,545	2,726,443	69,170
196	Scales and balances	7	61,628	155,965	19,358
197	Sewing machine repairing	17	21,827	13,796	3,119
198	Sewing machines and attachments	8	30,000	650,525	64,195
199	Shipbuilding	18	39,250	1,245,276	30,469
200	Shirts. (See also Furnishing goods, men's.)	59	457,666	1,340,950	425,262
201	Shoddy	13	77,200	298,613	19,643
202	Show cases	6	50,695	70,770	14,682
203	Silk and silk goods	43	679,161	4,747,759	687,533
204	Silverware. (See also Plated and britannia ware.)	5	16,111	209,580	7,628
205	Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.)	81	219,318	2,857,441	118,660
206	Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.)	121	191,000	864,766	88,420
207	Smelting and refining	5	6,018	19,850	2,733
208	Soap and candles. (See also Grease and tallow.)	42	170,533	1,873,911	388,257
209	Sporting goods	8	29,620	215,920	10,403
210	Springs, steel, car and carriage	5	60,000	892,508	13,781
211	Stamped ware. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	11	78,266	823,075	29,226
212	Stationery goods, not elsewhere specified	21	321,000	1,041,945	110,794
213	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	12	50,418	621,809	18,349
214	Steam packing	12	53,105	119,332	26,183
215	Stencils and brands	12	20,343	107,265	8,469
216	Stereotyping and electrotyping. (See also Type founding.)	7	62,905	174,210	32,022

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PHILADELPHIA, PA.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
65	$40,088	19	$15,118	46	$25,570	.....	.....	$127,759	$254,300	162
546	257,004	108	70,784	318	151,948	120	$34,272	267,362	893,630	163
5,002	3,409,760	949	727,754	3,780	2,492,423	363	189,583	2,168,627	6,922,738	164
1,145	713,755	249	256,863	856	441,538	40	15,354	2,850,779	5,191,850	165
691	305,900	18	30,870	571	259,118	102	15,912	1,109,190	1,807,377	166
76	30,376	10	6,670	61	22,042	5	1,664	143,581	223,811	167
529	269,905	54	62,531	451	198,034	24	9,340	913,193	1,562,246	168
701	412,273	211	203,586	385	176,132	105	32,555	878,280	2,801,665	169
2,416	1,172,880	82	88,049	2,305	1,071,187	29	13,644	1,881,198	3,853,288	170
279	131,436	62	67,357	144	47,479	73	16,600	265,831	639,250	171
2,035	845,878	56	54,333	1,627	639,513	352	152,032	6,922,520	8,646,982	172
104	52,058	11	9,741	42	17,211	51	25,106	100,579	228,426	173
595	343,219	127	115,607	414	204,997	54	22,615	232,534	900,136	174
101	74,053	16	19,409	81	52,644	4	2,000	18,476	132,200	175
203	80,878	35	22,276	168	58,602	.....	.....	235,709	407,594	176
291	159,143	4	5,340	245	125,323	42	28,480	166,976	376,340	177
1,037	781,027	124	103,614	880	661,639	33	15,774	438,270	1,465,015	178
126	68,203	9	8,558	113	57,320	4	2,325	90,989	229,059	179
619	373,134	99	100,213	480	258,121	40	14,800	468,476	1,100,031	180
2,975	1,949,865	515	475,052	2,411	1,458,485	49	16,328	2,458,975	5,701,478	181
166	79,800	17	17,367	114	49,343	35	13,090	113,988	250,524	182
5,649	3,238,273	824	864,694	4,123	2,072,875	702	300,704	3,131,117	11,347,340	183
179	104,522	33	28,900	126	60,286	20	15,336	126,519	427,496	184
4,762	3,508,279	941	895,153	2,934	1,948,651	887	664,475	2,909,989	13,397,217	185
76	50,498	15	16,148	61	34,350	.....	.....	74,385	157,252	186
16	11,053	5	5,044	9	5,052	2	957	31,995	63,025	187
201	125,410	22	20,020	110	65,110	69	40,280	158,263	301,740	188
238	130,128	35	43,411	151	66,483	52	20,234	177,754	446,349	189
1,254	831,221	236	193,788	1,002	633,672	16	3,761	1,100,200	2,376,784	190
77	36,408	5	5,050	58	27,908	14	3,450	218,187	337,033	191
677	406,352	152	106,902	359	201,302	166	98,148	523,902	1,245,191	192
141	85,940	6	12,040	135	73,900	.....	.....	194,870	273,000	193
59	28,470	11	8,584	48	19,886	.....	.....	70,364	128,842	194
1,036	637,707	49	35,553	675	414,531	312	187,623	925,447	1,978,700	195
128	80,850	12	12,978	116	67,872	.....	.....	63,755	210,414	196
40	21,989	12	5,275	28	16,714	.....	.....	16,653	46,130	197
233	128,486	23	25,370	150	78,116	60	25,000	111,400	356,972	198
697	440,272	28	34,364	669	405,908	.....	.....	425,573	942,428	199
1,544	626,647	104	109,071	537	200,722	903	316,854	1,339,963	2,741,075	200
171	71,676	22	18,216	149	53,460	.....	.....	642,214	853,285	201
51	31,964	7	6,676	43	24,888	1	400	31,740	98,500	202
4,145	1,639,505	127	161,074	2,590	958,775	1,428	519,656	3,536,022	8,059,604	203
120	86,611	17	23,684	98	59,927	5	3,000	145,158	272,977	204
779	540,540	148	186,662	626	350,248	5	3,630	7,403,249	9,146,513	205
393	265,413	116	105,114	272	158,349	5	1,950	6,181,217	6,947,985	206
22	7,739	7	3,985	15	3,754	.....	.....	11,667	22,333	207
610	341,145	103	109,103	476	217,693	31	14,349	1,496,052	2,788,746	208
243	86,990	14	16,626	136	44,864	93	19,500	201,075	342,699	209
261	190,224	19	35,550	239	152,334	3	2,340	654,408	1,065,368	210
522	234,020	32	23,134	338	128,424	152	82,462	284,318	670,890	211
807	393,969	66	89,980	627	240,766	114	63,223	1,923,053	2,560,948	212
365	229,599	39	46,487	248	130,812	78	52,300	383,950	823,944	213
124	65,806	14	14,680	105	49,306	5	1,820	117,690	291,346	214
55	35,537	17	14,028	36	19,509	2	2,000	24,669	86,806	215
170	124,612	18	23,044	129	81,140	23	20,428	49,139	258,569	216

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PHILADELPHIA, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
217	Sugar and molasses, refining	8	$1,095,000	$7,112,655	$584,892
218	Surgical appliances. (See also Artificial limbs.)	13	99,702	343,720	26,636
219	Taxidermy	9	11,780	18,250	1,646
220	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	343	848,180	2,530,220	188,185
221	Tobacco, chewing, smoking, and snuff	5	2,280	812,845	154,520
222	Tobacco, cigars and cigarettes	642	1,425,800	4,159,496	968,786
223	Tobacco, stemming and rehandling	3	14,133	163,000	2,725
224	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	36	140,653	1,128,488	70,391
225	Toys and games	18	53,305	192,440	15,202
226	Trunks and valises. (See also Leather goods.)	28	268,307	271,275	41,276
227	Type founding. (See also Stereotyping and electrotyping.)	5	110,243	1,035,000	37,272
228	Typewriters and supplies	3	22,857	130,479	3,615
229	Umbrellas and canes	63	852,353	2,846,102	625,390
230	Upholstery materials. (See also Carpets and rugs, other than rag; Woolen goods; Worsted goods.)	17	110,359	899,131	46,347
231	Varnish. (See also Paints.)	9	56,388	418,414	29,034
232	Vinegar and cider	12	33,347	150,908	12,442
233	Washing machines and clothes wringers	7	9,790	20,300	1,923
234	Watch cases	6	36,738	1,529,074	146,964
235	Watch, clock, and jewelry repairing. (See also Jewelry.)	306	490,210	782,018	72,895
236	Whips	7	29,280	61,164	6,717
237	Window shades	34	135,867	376,890	29,919
238	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	20	59,463	410,606	15,995
239	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	46	93,127	355,783	21,495
240	Woodenware, not elsewhere specified	9	12,140	209,472	9,900
241	Woolen goods. (See also Carpets and rugs, other than rag; Felt goods; Gloves and mittens; Hosiery and knit goods.	115	1,763,275	14,269,836	904,403
242	Worsted goods. (See also Woolen goods.)	32	1,580,200	12,064,206	823,516
243	All other industries (*a*)	87	716,500	12,013,148	1,205,227

a Embraces ammunition, 2; axle grease, 1; bellows, 1; belting and hose, linen, 2; bicycles and tricycles, 2; brass, 2; bronze castings, 2; calcium lights, 2; carpets, wood, 1; cars, steam railroad, not including operations of railroad companies, 2; chocolate and cocoa products, 2; clocks, 1; crucibles, 2; drug grinding, 1; dye stuffs and extracts, 1; emery wheels, 1; enameled goods, 1; felt goods, 2; firearms, 2; fire extinguishers, chemical, 1; fireworks, 2; flags and banners, 2; foundry supplies, 2; fruit jar trimmings, 2; furs, dressed, 1; gas, illuminating and heating, 2; gas stoves, 1; glue, 2; graphite, 1; grindstones, 1; hand knit goods, 2; hooks and eyes, 1; iron and steel, doors and shutters, 1; iron and steel, pipe, wrought, 2; lapidary work, 2; lard,

PITTSBURG, PA.

1	All industries	1,420	8,192,655	108,368,838	7,561,199
2	Awnings, tents, and sails	4	14,260	10,258	1,475
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	70	90,820	179,082	14,995
4	Bookbinding and blank-book making. (See also Printing and publishing.)	6	48,250	60,491	8,481
5	Boot and shoe uppers	4	33,000	46,640	4,435
6	Boots and shoes, custom work and repairing	11	40,040	9,315	4,255
7	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	3	32,500	42,834	5,480
8	Brass castings and brass finishing. (See also Bronze castings.)	8	42,120	622,577	51,401
9	Bread and other bakery products	110	281,850	642,043	58,622
10	Brick and tile. (See also Clay and pottery products.)	32	289,750	1,187,777	108,002
11	Bridges	4	2,500	2,099,248	115,400
12	Brooms and brushes	6	50,350	73,291	7,[illegible]39
13	Carpentering	46	88,850	501,460	158,109
14	Carpets, rag	11	8,000	8,795	977
15	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	37	146,850	463,127	33,882
16	Chemicals. (See also Paints; Varnish.)	3	23,500	321,350	10,817
17	Clay and pottery products. (See also Brick and tile.)	3	5,900	339,727	14,811
18	Clothing, men's, custom work and repairing	116	859,960	1,143,207	109,208
19	Clothing, men's, factory product	7	139,700	555,200	34,564
20	Clothing, women's, dressmaking	11	53,060	13,596	6,194
21	Coffee and spice, roasting and grinding	8	101,230	711,600	31,967

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PHILADELPHIA, PA.—*Continued.*

Average number of employés and total wages.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
1,521	$759,386	63	$59,236	1,458	$694,150	.....	.....	$41,835,565	$46,598,524	217
210	132,101	50	47,593	151	82,246	9	$2,262	151,600	390,850	218
12	4,702	7	2,994	5	1,708	.....	.....	3,010	12,960	219
2,124	1,281,904	365	294,280	1,675	941,914	84	45,710	1,865,441	4,081,888	220
186	103,621	36	38,957	88	36,764	62	27,900	296,355	779,992	221
5,767	2,699,938	650	407,787	1,304	587,430	3,813	1,704,721	3,426,006	8,268,222	222
26	13,624	5	4,108	21	9,516	.....	.....	48,456	83,434	223
735	417,683	53	46,632	347	188,348	335	182,703	579,602	1,248,895	224
192	73,696	30	23,830	140	37,316	22	12,550	76,193	230,876	225
318	155,697	37	26,974	160	77,059	121	51,664	266,371	540,967	226
382	275,261	37	57,948	141	87,438	204	129,875	128,630	666,558	227
55	36,600	4	5,100	51	31,500	.....	.....	16,850	121,500	228
2,406	1,005,177	181	153,005	1,492	615,469	733	236,703	3,391,188	5,742,901	229
627	278,101	51	57,202	286	114,002	290	106,897	696,526	1,302,461	230
75	77,747	26	42,123	49	35,624	.....	.....	454,012	751,979	231
58	36,480	19	16,070	39	20,410	.....	.....	114,280	219,722	232
19	9,690	9	4,482	10	5,208	.....	.....	23,289	43,321	233
1,234	498,326	54	54,263	683	314,863	497	129,200	1,155,123	1,914,222	234
640	404,839	286	198,735	332	194,429	22	11,675	167,945	827,490	235
59	26,022	7	5,540	28	10,662	24	9,820	53,509	114,500	236
206	115,445	42	36,668	150	73,776	14	5,001	402,317	690,894	237
243	135,843	38	40,206	156	73,775	49	21,862	130,158	412,294	238
399	222,417	51	41,252	327	167,097	21	14,068	117,308	453,621	239
98	57,058	9	6,832	77	41,590	12	8,636	98,442	185,750	240
10,583	3,970,497	294	280,101	8,511	3,070,887	1,778	625,509	14,191,203	21,919,781	241
7,904	2,795,312	107	136,330	7,088	2,337,515	709	321,467	9,398,645	14,737,413	242
4,727	2,369,409	333	404,292	3,337	1,530,318	1,057	434,889	7,117,868	12,569,087	243

refined, 1; lead, bar, pipe, and sheet, 2; liquors, distilled, 2; oil, illuminating, not including petroleum refining, 1; oil, lard, 1; oil, resin, 1; oilcloth, floor, 1; oleomargarine, 1; pens, steel, 1; printing, tip, 2; pulp, wood, 1; registers, car fare, 1; rules, ivory and wood, 1; sand and emery paper and cloth, 1; screws, machine, 2, screws, wood, 1; silversmithing, 2; soda water apparatus, 2; straw goods, not elsewhere specified, 1; timber products, not manufactured at mill, 1; vault lights and ventilators, 1; watch and clock materials, 1; watches, 1; wheelbarrows, 1; wind mills, 1; wire, 1.

PITTSBURG, PA.

56,438	33,898,152	3,475	4,008,666	46,472	26,258,103	6,491	3,631,383	69,892,195	126,859,657	1
16	9,468	5	4,260	11	5,208	.....	.....	16,310	33,450	2
220	168,379	74	65,319	146	103,060	.....	.....	58,368	293,026	3
107	52,224	12	10,876	85	38,748	10	2,600	27,581	105,871	4
74	28,178	6	5,840	33	14,148	35	8,190	40,195	87,360	5
39	17,836	8	5,232	15	5,829	16	6,775	15,121	44,041	6
95	24,749	4	3,275	61	16,074	30	5,400	35,933	76,000	7
273	194,790	33	53,100	229	136,290	11	5,400	465,936	805,610	8
501	256,047	155	105,717	325	145,466	21	4,864	652,409	1,142,921	9
995	498,616	78	80,333	859	394,605	58	23,678	298,566	1,066,824	10
989	583,526	93	118,563	788	407,163	108	57,800	1,618,066	2,479,998	11
80	40,769	18	17,880	26	8,911	36	22,978	89,574	175,174	12
714	550,157	69	77,258	645	472,899	.....	.....	857,411	1,872,832	13
14	5,144	9	3,726	.....	.....	5	1,418	5,022	12,627	14
450	286,919	71	63,864	358	208,290	21	14,765	166,326	569,702	15
62	43,972	12	17,270	50	26,702	.....	.....	81,760	233,875	16
193	109,749	11	17,539	182	92,201	.....	.....	42,601	218,771	17
1,085	634,167	149	162,495	185	102,210	751	369,462	691,654	1,677,531	18
510	189,834	25	32,852	207	82,782	278	74,200	419,040	786,509	19
98	37,605	14	8,393	69	24,532	15	4,680	91,832	163,365	20
118	73,444	21	23,342	97	50,102	.....	.....	3,946,848	4,223,622	21

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PITTSBURG, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
22	Coke	6	$5,200	$610,832	$37,703
23	Confectionery	14	282,570	503,049	29,383
24	Cooperage	17	43,300	178,523	11,048
25	Dentistry, mechanical	16	100,950	37,147	9,789
26	Dyeing and cleaning	3	40,000	20,630	5,469
27	Engraving and diesinking	3	3,000	2,400	407
28	Flouring and grist mill products	3	3,000	537,500	10,343
29	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	75	577,400	10,167,288	527,706
30	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	11	43,250	56,655	6,134
31	Furniture, factory product. (See also Furniture, chairs.)	5	43,400	98,659	13,948
32	Galvanizing	3	14,000	56,987	8,608
33	Gas, illuminating and heating	3	221,990	2,758,166	39,019
34	Glass	34	396,000	7,439,619	320,934
35	Glass, cutting, staining, and ornamenting	5	26,400	57,626	9,540
36	Hairwork	4	21,800	6,085	2,489
37	Hand stamps	3	14,800	16,876	2,690
38	Hats and caps, not including wool hats. (See also Fur goods.)	3	29,720	11,550	3,356
39	Iron and steel	33	11,000	48,266,434	2,337,318
40	Iron and steel, bolts, nuts, washers, and rivets	4	.....	332,344	8,709
41	Iron and steel, nails and spikes, cut and wrought, including wire nails.	4	57,140	1,601,49[illegible]	50,841
42	Iron and steel, pipe, wrought	3	62,500	3,767,938	79,886
43	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	6	32,540	315,236	18,782
44	Liquors, malt	13	20,000	2,927,720	807,702
45	Lithographing and engraving. (See also Photolithographing and engraving; Printing and publishing.)	4	44,110	113,345	8,126
46	Looking-glass and picture frames	13	78,180	132,435	9,424
47	Lumber and other mill products from logs or bolts	3	97,000	195,758	19,357
48	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	15	89,730	1,348,496	53,005
49	Marble and stone work. (See also Monuments and tombstones.)	9	26,700	105,274	5,078
50	Masonry, brick and stone. (See also Plastering and stuccowork.)	28	67,250	577,677	49,051
51	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	5	14,000	119,999	4,220
52	Millinery, custom work	27	227,000	113,793	29,924
53	Mineral and soda waters	5	20,840	106,064	7,736
54	Models and patterns	8	19,860	37,594	2,553
55	Monuments and tombstones. (See also Marble and stone work.)	6	9,360	102,150	4,302
56	Oil, lubricating	4	25,500	46,260	4,365
57	Painting and paper hanging	38	92,140	220,321	15,190
58	Paints. (See also Chemicals; Varnish.)	3	22,500	428,445	59,347
59	Patent medicines and compounds	9	56,120	333,237	244,710
60	Petroleum, refining	4	17,860	1,465,409	51,460
61	Photography	23	173,400	92,956	23,254
62	Pickles, preserves, and sauces	3	100,000	309,000	24,330
63	Plastering and stuccowork. (See also Masonry, brick and stone.)	5	2,200	19,862	1,046
64	Plumbing and gas fitting	27	127,000	136,407	15,119
65	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	59	659,200	1,425,921	138,324
66	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	38	348,725	1,558,057	354,939
67	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	17	53,800	81,541	8,663
68	Saddlery and harness	34	135,700	232,952	17,996
69	Slaughtering and meat packing, wholesale	4	155,000	321,500	37,261
70	Soap and candles	6	24,700	146,128	4,770
71	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	4	63,800	185,184	17,107
72	Steam packing	3	11,170	29,865	7,438
73	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	53	211,950	437,451	30,071
74	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	74	231,450	386,302	267,103
75	Tools, not elsewhere specified	3	33,330	157,097	8,131
76	Trunks and valises	5	13,400	13,192	2,044

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PITTSBURG, PA.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
158	$75,706	3	$1,938	98	$45,295	57	$28,473	$218,322	$372,474	22
270	141,941	47	46,196	223	95,745	.....	.....	337,842	624,116	23
221	139,460	16	15,266	49	28,891	156	95,303	274,607	468,351	24
29	27,478	21	22,540	8	4,938	.....	.....	8,951	57,748	25
34	21,525	10	6,571	24	14,954	.....	.....	4,136	38,533	26
3	3,236	3	3,236	.....	.....	.....	.....	.....	5,183	27
94	78,950	19	23,750	75	55,200	.....	.....	1,454,124	1,639,340	28
5,623	3,382,175	274	366,506	4,953	2,756,142	396	259,527	4,930,726	10,706,616	29
65	39,866	11	9,922	52	28,344	2	1,600	62,753	142,739	30
95	66,203	13	12,546	71	46,375	11	7,282	123,273	240,647	31
50	35,200	8	11,000	42	24,200	.....	.....	68,488	127,977	32
94	68,893	12	17,744	82	51,149	.....	.....	57,991	376,389	33
6,798	3,504,340	156	207,927	4,127	1,596,869	2,515	1,699,544	1,910,064	6,176,076	34
79	56,354	11	13,220	68	43,134	.....	.....	34,969	128,447	35
8	2,980	3	1,420	5	1,560	.....	.....	1,985	8,690	36
26	16,384	9	8,440	17	7,944	.....	.....	5,500	34,250	37
27	13,529	5	4,367	15	6,818	7	2,344	4,160	24,400	38
20,656	13,170,887	399	680,352	20,257	12,490,535	.....	.....	29,096,574	49,718,729	39
127	76,734	15	20,250	94	44,086	18	12,398	310,741	427,911	40
783	466,257	15	26,578	748	423,479	20	16,200	1,899,363	2,560,094	41
1,979	1,073,805	40	75,714	1,927	989,892	12	8,199	4,121,382	5,992,395	42
238	156,895	17	22,359	221	134,536	.....	.....	360,968	627,223	43
442	345,572	46	72,652	379	262,678	17	10,242	672,928	2,290,923	44
86	58,510	10	11,900	75	46,370	1	240	30,915	119,830	45
80	55,374	17	16,106	63	39,268	.....	.....	86,183	179,730	46
114	54,850	7	7,300	87	41,800	20	5,750	215,260	354,500	47
664	485,900	55	58,934	575	408,490	34	18,476	1,160,753	1,947,078	48
161	98,658	12	12,230	145	83,053	4	3,375	72,612	192,027	49
699	514,729	56	58,808	640	453,521	3	2,400	737,858	1,514,682	50
58	31,616	12	10,638	30	13,778	16	7,200	63,940	107,750	51
169	71,532	52	30,574	107	38,826	10	2,132	165,617	325,166	52
53	26,258	15	10,414	38	15,844	.....	.....	30,042	75,304	53
58	42,338	11	11,488	47	30,850	.....	.....	15,668	76,135	54
59	39,089	7	7,064	52	32,025	.....	.....	32,552	89,178	55
24	20,284	16	15,668	8	4,616	.....	.....	102,782	151,691	56
322	252,864	48	51,050	272	199,608	2	2,206	98,403	445,778	57
118	78,486	23	31,114	95	47,372	.....	.....	338,916	551,625	58
129	85,261	27	40,387	77	36,874	25	8,000	315,255	792,938	59
208	111,726	25	33,100	182	78,401	1	225	1,225,852	1,562,715	60
105	71,513	39	32,764	63	35,725	3	3,024	40,701	192,085	61
703	247,940	78	78,240	343	124,500	282	45,200	515,357	1,210,500	62
43	40,797	4	3,635	39	37,162	.....	.....	19,037	68,900	63
173	113,315	33	33,205	140	80,110	.....	.....	92,718	279,380	64
963	606,693	142	145,062	805	456,046	16	5,585	544,380	1,589,174	65
978	860,165	187	194,683	490	363,750	301	301,732	431,764	2,028,448	66
88	55,223	18	15,350	70	39,873	.....	.....	66,281	146,708	67
153	90,073	38	29,114	89	44,499	26	16,460	115,883	274,643	68
79	54,612	18	21,600	61	33,012	.....	.....	1,149,965	1,341,900	69
56	34,014	21	19,423	34	14,391	1	200	147,406	224,449	70
118	71,894	20	19,778	98	52,116	.....	.....	185,698	349,970	71
23	13,164	8	7,360	15	5,804	.....	.....	29,620	59,164	72
302	208,759	81	64,822	221	143,937	.....	.....	184,822	502,567	73
843	325,384	66	44,223	190	71,771	587	209,390	248,264	1,043,393	74
123	66,524	9	11,750	28	14,495	86	40,279	100,949	187,149	75
21	10,010	4	2,748	9	3,750	8	3,512	8,370	26,519	76

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PITTSBURG, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
77	Watch, clock, and jewelry repairing. (See also Jewelry.)	9	$23,560	$27,655	$2,715
78	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	4	6,910	4,772	1,264
79	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	4	9,420	29,362	2,409
80	All other industries (a)	93	508,340	8,429,833	905,440

a Embraces agricultural implements, 1; artificial limbs, 2; axle grease, 1; babbitt metal and solder, 1; bags, paper, 1; baking and yeast powders, 1; baskets and rattan and willow ware, 1; bellows, 1; bells, 1; boots and shoes, factory product, 1; boxes, cigar, 1; boxes, wooden packing, 1; brass and copper, rolled, 1; bronze castings, 1; calcium lights, 1; carriage and wagon materials, 2; cars and general shop construction and repairs by steam railroad companies, 1; cheese and butter, urban dairy product, 2; clothing, women's, factory product, 2; cordage and twine, 1; cork, cutting, 2; crucibles, 1; electroplating, 1; engraving, wood, 2; fancy articles, not elsewhere specified, 1; files, 2; flavoring extracts, 1; food preparations, 1; foundry supplies, 1; fur goods, 2; furniture, chairs, 2; gas and lamp fixtures, 1; hosiery and knit goods, 1; ink, writing, 1; instruments, professional and scientific, 1; iron and steel, forgings, 2; japanning, 1; jewelry, 2; kaolin and other earth grinding, 1; lamps

PORTLAND, ME.

1	All industries	662	1,661,270	6,887,557	585,140
2	Awnings, tents, and sails	10	13,150	12,750	1,655
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	37	46,000	51,890	6,924
4	Bookbinding and blank-book making. (See also Printing and publishing.)	6	12,720	41,625	1,898
5	Boots and shoes, custom work and repairing	40	27,640	9,642	3,094
6	Boots and shoes, factory product	8	86,400	372,373	24,312
7	Bread and other bakery products	17	55,300	169,590	26,019
8	Brick and tile. (See also Clay and pottery products.)	3	2,600	5,670	926
9	Carpentering	52	42,150	270,000	25,559
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	7	36,190	45,890	5,434
11	Chemicals. (See also Fertilizers; Paints.)	3	11,000	19,000	1,740
12	Clay and pottery products. (See also Brick and tile.)	4	3,900	333,152	22,567
13	Clothing, men's, custom work and repairing	21	50,000	88,404	9,930
14	Clothing, men's, factory product	5	47,800	195,973	34,767
15	Clothing, women's, dressmaking	28	42,500	22,522	5,092
16	Coffins and burial cases, trimming and finishing	4	13,500	17,945	1,063
17	Confectionery	9	23,810	61,756	4,257
18	Cooperage	7	72,050	243,169	16,017
19	Cutlery and edge tools. (See also Files; Hardware.)	4	6,580	1,430	774
20	Dentistry, mechanical	11	8,270	4,450	1,013
21	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	35	49,800	57,155	6,986
22	Dyeing and cleaning	3	2,000	8,600	772
23	Fish, canning and preserving. (See also Food preparations.)	5	9,120	12,350	3,142
24	Flouring and grist mill products	3	27,270	64,000	8,080
25	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	12	23,550	986,861	43,441
26	Furniture, cabinetmaking, repairing and upholstering	11	15,170	44,897	3,786
27	Furniture, factory product	5	34,660	137,700	5,727
28	Leather, tanned and curried	3	1,500	158,553	10,330
29	Lock and gun smithing	3	3,190	2,560	521
30	Looking-glass and picture frames	5	8,000	7,625	1,137
31	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts; Wood, turned and carved.)	7	36,330	150,950	8,642
32	Marble and stonework. (See also Monuments and tombstones.)	6	7,600	17,755	2,726
33	Masonry, brick and stone. (See also Plastering and stuccowork.)	13	7,770	31,560	3,052
34	Millinery, custom work	16	64,560	34,970	7,879
35	Models and patterns	4	3,000	4,200	438
36	Monuments and tombstones. (See also Marble and stone work.)	3	4,550	15,775	697
37	Oil, lubricating	4	14,070	86,800	4,734
38	Painting and paper hanging	34	28,150	61,653	6,737
39	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	1,000	36,165	1,299
40	Photography	8	25,530	14,730	3,468
41	Plastering and stuccowork. (See also Masonry, brick and stone.)	5	8,140	13,550	2,220

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PITTSBURG, PA.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piecework ers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
23	$17,070	7	$7,210	16	$9,860	.....	.....	$13,125	$40,300	77
16	6,901	5	3,180	11	3,721	.....	.....	5,259	15,767	78
60	42,296	8	5,031	52	37,265	.....	.....	25,980	78,600	79
4,034	2,155,393	276	315,085	3,299	1,627,633	459	$212,675	5,693,698	9,855,563	80

and reflectors, 1; lead, bar, pipe, and sheet, 1; leather, tanned and curried, 2; lightning rods, 1; liquors, distilled, 1; lock and gun smithing, 1; malt, 2; mantels, slate, marble, and marbleized, 2; millinery and lace goods, 1; oil, lard, 1; optical goods, 2; paving and paving materials, 2; photolithographing and engraving, 2; plated and britannia ware, 1; printing materials, 1; regalia and society banners and emblems, 2; safes and vaults, 1; saws, 1; shipbuilding, 1; shirts, 2; show cases, 1; smelting and refining, 1; springs, steel, car and carriage, 1; stamped ware, 1; stencils and brands, 1; stereotyping and electrotyping, 1; surgical appliances, 1; tobacco, chewing, smoking, and snuff, 1; umbrellas and canes, 1; varnish, 1; washing machines and clothes wringers, 1; watch and clock materials, 1, wheelbarrows, 1; whips, 1; wire, 1.

PORTLAND, ME.

6,260	3,160,132	922	746,239	4,273	1,974,614	1,065	439,279	6,286,438	11,371,487	1
29	17,704	9	5,364	20	12,340	.....	.....	29,011	54,709	2
111	66,957	43	33,794	68	33,163	.....	.....	30,547	117,883	3
64	28,802	4	4,300	54	23,602	6	900	26,203	67,420	4
60	28,725	29	13,322	20	9,503	11	5,900	14,460	49,257	5
741	345,838	29	30,163	234	89,496	478	226,179	594,157	1,049,280	6
181	76,207	62	33,433	119	42,774	.....	.....	279,877	422,099	7
22	6,479	3	2,500	19	3,979	.....	.....	2,907	10,345	8
391	235,562	72	62,139	315	171,573	4	1,850	246,230	589,871	9
70	45,604	13	11,070	57	34,534	.....	.....	25,286	97,232	10
18	11,820	7	6,900	11	4,920	.....	.....	24,100	47,000	11
143	63,090	11	9,314	130	53,396	2	1,280	75,554	243,714	12
176	78,891	21	20,107	44	21,550	111	37,234	73,390	176,325	13
74	28,473	11	7,380	19	11,310	44	9,783	249,060	359,400	14
161	46,995	35	16,449	123	30,000	3	546	24,121	81,760	15
10	7,060	5	4,560	5	3,400	.....	.....	17,120	32,300	16
75	30,712	14	11,129	43	14,692	18	4,891	79,321	135,611	17
87	65,451	13	23,924	38	24,189	36	17,338	270,754	373,026	18
5	3,275	4	2,875	1	400	.....	.....	250	4,351	19
14	8,222	12	7,182	2	1,040	.....	.....	4,187	13,597	20
73	29,719	30	19,401	43	10,318	.....	.....	44,211	111,200	21
17	6,580	3	1,830	14	4,750	.....	.....	3,750	12,000	22
43	13,017	3	1,500	37	10,197	3	1,320	61,815	80,943	23
16	9,442	6	5,030	10	4,412	.....	.....	234,950	257,470	24
404	220,825	30	33,933	374	186,892	.....	.....	255,009	513,168	25
58	20,858	8	4,100	50	25,758	.....	.....	79,504	135,567	26
107	66,383	11	12,203	90	50,540	6	3,640	120,100	230,000	27
88	43,304	5	5,500	77	36,251	6	1,553	308,741	404,990	28
4	2,995	3	2,400	1	595	.....	.....	679	4,295	29
12	6,269	5	3,224	7	3,045	.....	.....	9,588	18,587	30
91	53,658	13	11,650	78	42,008	.....	.....	68,934	141,335	31
36	24,443	9	7,150	27	17,293	.....	.....	9,877	47,016	32
300	158,908	13	13,004	287	145,994	.....	.....	113,150	310,942	33
58	15,682	18	7,727	40	7,955	.....	.....	53,551	85,182	34
7	4,550	4	3,080	3	1,470	.....	.....	872	6,355	35
10	6,318	3	2,600	6	3,543	1	175	5,067	14,350	36
22	12,128	10	6,360	12	5,768	.....	.....	102,105	136,910	37
136	73,496	30	18,935	100	50,961	6	3,600	80,592	176,850	38
12	5,124	4	2,476	8	2,648	.....	.....	29,140	45,900	39
28	14,945	11	7,174	17	7,771	.....	.....	7,661	32,279	40
57	35,625	9	9,225	46	25,900	2	500	10,655	52,058	41

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PORTLAND, ME.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
42	Plumbing and gas fitting	16	$30,300	$95,625	$8,240
43	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	16	42,800	91,083	11,125
44	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	13	102,160	194,798	39,217
45	Saddlery and harness	14	25,340	20,870	3,335
46	Shipbuilding	8	29,000	61,389	4,541
47	Soap and candles. (See also Grease and tallow.)	3	10,100	11,277	3,438
48	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	16	41,200	58,332	6,880
49	Tobacco, cigars and cigarettes	3	2,000	11,534	1,968
50	Trunks and valises	4	20,200	21,325	2,257
51	Watch, clock, and jewelry repairing	14	24,630	9,870	3,424
52	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	5	10,900	8,185	1,374
53	All other industries (a)	86	345,970	2,388,169	178,695

a Embraces agricultural implements, 2; babbitt metal and solder, 1; bicycle and tricycle repairing, 1; boot and shoe cut stock, 2; boot and shoe findings, 1; bottling, 1, boxes, fancy and paper, 1; boxes, wooden packing, 1; brass castings and brass finishing, 1; bridges, 1; bronze castings, 1; brooms and brushes, 1; carpets, rag, 1; carriage and wagon materials, 2; cars and general shop construction and repairs by steam railroad companies, 1; cheese and butter, urban dairy product, 1; clothing, women's, factory product, 2; coffee and spice, roasting and grinding, 2; engraving and diesinking, 1; engraving, steel, including plate printing, 1; fancy articles, not elsewhere specified, 2; fertilizers, 2; files, 1; flavoring extracts, 2; food preparations, 1; fruits and vegetables, canning and preserving, 2; fur goods, 1; furnishing goods, men's, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 2; grease and tallow, 1; hairwork, 2; hand stamps, 1; hardware, 2;

PORTLAND, ORE.

1	All industries	569	3,154,200	16,863,568	1,220,577
2	Awnings, tents, and sails	3	81,660	455,623	17 192
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	14	42,000	26,350	7,586
4	Bookbinding and blank-book making. (See also Printing and publishing.)	3	28,000	47,900	7,714
5	Boots and shoes, custom work and repairing	20	38,000	30,095	5,898
6	Bread and other bakery products	11	93,000	107,749	22,845
7	Brick and tile. (See also Clay and pottery products.)	8	27,300	489,410	8,064
8	Bridges	4	7,050	521,800	8,550
9	Carpentering	63	72,000	972,715	126,155
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	11	70,000	168,851	15,284
11	Chemicals. (See also Paints.)	3	40,000	66,250	8,245
12	Clothing, men's, custom work and repairing	19	130,000	130,790	18,295
13	Clothing, men's, factory product	5	85,450	119,715	56,823
14	Clothing, women's, dressmaking	8	58,000	37,025	7,215
15	Clothing, women's, factory product	3	46,000	74,400	6,223
16	Coffins and burial cases, trimming and finishing	5	47,000	54,525	7,051
17	Confectionery	8	98,000	289,895	33,456
18	Cooperage	4	5,000	19,925	4,835
19	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	15	147,000	90,675	23,180
20	Dyeing and cleaning	3	9,100	3,950	1,398
21	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	14	65,000	682,978	35,791
22	Furnishing goods, men's. (See also Shirts.)	3	21,750	6,140	2,295
23	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	10	57,000	85,750	8,910
24	Furniture, factory product	8	200,000	481,362	59,554
25	Hand stamps	3	6,000	5,550	896
26	Ice, artificial	3	13,500	251,500	7,175
27	Jewelry. (See also Watch, clock, and jewelry repairing.)	4	30,000	59,600	5,130
28	Liquors, malt. (See also Bottling.)	3	----------	673,965	137,718
29	Lock and gun smithing	3	7,000	3,575	1,285
30	Looking-glass and picture frames	4	28,500	19,750	4,128
31	Lumber and other mill products from logs or bolts	8	10,820	1,250,749	58,816

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PORTLAND, ME.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
116	$74,152	25	$26,501	91	$47,651	.....	.....	$139,312	$240,892	42
97	47,168	19	15,042	77	31,526	1	$600	29,509	103,290	43
237	135,532	36	35,767	148	69,706	53	30,059	58,135	296,808	44
45	22,804	12	8,980	27	11,574	6	2,250	20,200	53,847	45
60	39,185	13	10,010	47	29,175	.....	.....	28,120	79,579	46
8	5,231	5	3,900	3	1,331	.....	.....	28,730	52,200	47
86	52,033	19	14,317	65	36,966	2	750	45,677	116,893	48
17	8,706	2	1,380	7	2,424	8	4,902	8,133	20,000	49
19	10,390	6	3,420	5	2,470	8	4,500	19,700	48,544	50
36	19,535	10	6,694	26	12,841	.....	.....	7,780	36,288	51
16	9,224	5	3,924	11	5,300	.....	.....	13,724	29,448	52
1,512	705,146	145	131,897	1,117	493,720	250	79,529	2,221,092	3,551,121	53

hats and caps, not including wool hats, 2; iron and steel, 1; ironwork, architectural and ornamental, 2; ivory and bone work, 1; jewelry and instrument cases, 1; lasts, 1; lime and cement, 1; lumber and other mill products from logs or bolts, 2; matches, 1; mineral and soda waters, 2; musical instruments and materials, not specified, 1; nets and seines, 2; paints, 1; perfumery and cosmetics, 1; photolithographing and engraving, 1; pickles, preserves, and sauces, 2; plated and britannia ware, 1; refrigerators, 1; regalia and society banners and emblems, 1; roofing and roofing materials, 2; sausage, 1; shirts, 1; show cases, 1; stationery goods, not elsewhere specified, 1; stencils and brands, 1; sugar and molasses, refining, 2; surgical appliances, 1; taxidermy 1; umbrellas and canes, 2; woodenware, not elsewhere specified, 1; wool hats, 1.

PORTLAND, ORE.

9,731	7,592,920	1,078	1,372,583	8,312	5,996,735	341	223,602	12,807,106	25,427,603	1
66	48,780	13	18,200	53	30,580	.....	.....	369,085	458,058	2
66	61,921	15	20,300	51	41,621	.....	.....	44,358	130,501	3
73	32,070	6	4,792	57	24,678	10	2,600	28,700	76,400	4
53	40,067	23	19,933	24	16,214	6	3,920	22,035	73,304	5
135	104,404	27	34,300	108	70,104	.....	.....	283,126	504,497	6
280	142,750	13	28,650	267	114,100	.....	.....	37,180	264,400	7
516	379,700	11	17,200	505	362,500	.....	.....	444,670	965,000	8
1,049	1,001,198	77	122,900	972	878,298	.....	.....	1,814,620	3,273,905	9
103	91,026	17	20,820	86	70,206	.....	.....	56,175	190,820	10
24	26,220	6	15,000	18	11,220	.....	.....	59,100	155,000	11
168	113,303	27	27,470	47	29,708	94	56,125	135,923	307,822	12
73	50,060	8	7,020	40	31,040	25	12,000	299,540	462,970	13
133	53,954	11	10,454	122	43,500	.....	.....	98,629	178,750	14
81	41,960	11	9,500	60	28,960	10	3,500	84,175	149,220	15
14	12,200	8	7,200	6	5,000	.....	.....	36,570	67,625	16
162	99,056	33	29,614	129	69,442	.....	.....	285,404	536,700	17
24	18,530	4	4,280	20	14,250	.....	.....	18,099	46,189	18
68	60,360	31	35,660	37	24,700	.....	.....	74,775	184,675	19
15	10,000	4	4,250	11	5,750	.....	.....	3,090	16,300	20
367	335,764	27	47,300	331	279,464	9	9,000	385,827	899,636	21
33	16,950	13	9,150	20	7,800	.....	.....	22,450	48,600	22
92	79,768	18	22,100	72	56,468	2	1,200	115,410	256,550	23
353	274,724	45	58,036	258	186,784	50	29,004	558,596	1,159,125	24
7	4,890	4	3,200	3	1,690	.....	.....	2,300	12,700	25
24	23,420	4	6,000	20	17,420	.....	.....	22,900	135,000	26
32	33,094	8	11,050	24	22,044	.....	.....	41,400	92,654	27
68	65,690	11	15,190	57	50,500	.....	.....	143,563	533,348	28
6	4,310	2	2,200	4	2,110	.....	.....	2,870	9,770	29
23	20,140	7	7,820	16	12,320	.....	.....	16,550	48,700	30
405	327,852	28	44,540	377	283,312	.....	.....	434,320	949,007	31

TABLE 2.—MANUFACURES IN 165 CITIES HAVING A POPULATION

PORTLAND, ORE.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
32	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	8	$74,500	$455,950	$23,605
33	Marble and stone work. (See also Monuments and tombstones.)	6	10,700	63,650	3,866
34	Masonry, brick and stone. (See also Plastering and stuccowork.)	31	48,000	941,700	27,387
35	Millinery, custom work	12	81,000	41,000	11,486
36	Painting and paper hanging	34	86,000	134,800	14,630
37	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	4	25,000	59,395	5,158
38	Paving and paving materials	10	8,650	157,810	16,212
39	Photography	9	91,600	38,875	11,637
40	Plastering and stuccowork. (See also Masonry, brick and stone.)	13	7,600	109,350	5,635
41	Plumbing and gas fitting	16	76,000	172,975	14,722
42	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	14	115,000	180,932	20,505
43	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	25	140,000	283,309	110,249
44	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	3	8,300	92,550	9,380
45	Saddlery and harness	6	48,500	139,996	9,600
46	Shipbuilding	3	7,600	113,500	3,214
47	Shirts. (See also Furnishing goods, men's.)	3	8,650	8,775	930
48	Slaughtering and meat packing, wholesale. (See also Slaughtering, wholesale, not including meat packing.)	5	77,220	430,600	16,718
49	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	12	87,000	189,750	21,282
50	Tobacco, cigars and cigarettes	7	33,000	44,925	9,775
51	Trunks and valises	3	32,050	28,650	4,005
52	Watch, clock, and jewelry repairing. (See also Jewelry.)	9	22,500	13,800	3,405
53	All other industries (a)	63	500,000	5,923,714	172,250

a Embraces babbitt metal and solder, 1; baskets and rattan and willow ware, 1; bicycle and tricycle repairing, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; bottling, 2; boxes, fancy and paper, 1; boxes, wooden packing, 1; brass castings and brass finishing, 1; brooms and brushes, 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, 2; clay and pottery products, 1; coffee and spice, roasting and grinding, 2; cordage and twine, 1; corsets, 1; cutlery and edge tools, 1; fancy articles, not elsewhere specified, 1; fish, canning and preserving, 2; flouring and grist mill products, 2; fur goods, 2;

POUGHKEEPSIE, N. Y.

1	All industries	303	1,085,623	4,850,650	311,022
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	14	20,675	28,690	3,162
3	Boots and shoes, custom work and repairing	22	26,030	19,617	2,492
4	Bottling. (See also Liquors, malt; Mineral and soda waters.)	7	9,135	49,980	3,876
5	Bread and other bakery products	13	63,850	152,895	21,755
6	Carpentering	13	12,355	65,000	3,181
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	6	53,300	50,625	4,770
8	Clothing, men's, custom work and repairing	23	99,630	139,270	9,358
9	Clothing, men's, factory product	3	51,620	364,608	57,524
10	Clothing, women's, dressmaking	11	15,800	5,330	1,305
11	Coffins and burial cases, trimming and finishing	6	26,750	24,400	2,614
12	Confectionery	3	9,125	10,300	1,003
13	Cooperage	5	2,855	153,100	8,126
14	Foundry and machine shop products	4	54,450	142,500	6,984
15	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Mattresses and spring beds.)	10	19,515	14,500	2,380
16	Liquors, malt. (See also Bottling.)	3	.....	412,200	20,569
17	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	6	3,500	174,360	4,518
18	Masonry, brick and stone. (See also Plastering and stuccowork.)	7	3,725	45,800	1,595
19	Millinery, custom work	11	55,000	71,650	4,115
20	Painting and paper hanging	16	43,333	30,405	3,917
21	Photography	5	37,850	26,530	2,941
22	Plumbing and gas fitting	11	48,900	62,850	4,544
23	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	3	21,000	48,615	1,435
24	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	10	34,100	108,600	14,592
25	Saddlery and harness	6	20,300	20,696	1,561
26	Shipbuilding	3	750	23,050	514

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PORTLAND, ORE.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
243	$186,792	25	$30,654	214	$153,738	4	$2,400	$377,300	$745,520	32
31	31,720	8	10,000	23	21,720	.....	.....	18,400	69,400	33
1,454	1,202,657	47	76,635	1,406	1,125,622	1	400	1,478,385	2,980,810	34
78	41,904	22	18,545	50	21,359	6	2,000	102,275	175,410	35
368	304,995	64	74,080	304	230,915	.....	.....	272,660	651,725	36
23	16,522	5	7,100	18	9,422	.....	.....	20,385	57,500	37
177	142,240	11	17,000	160	122,240	6	3,000	158,000	352,000	38
54	42,024	12	17,220	40	24,304	2	500	27,900	104,500	39
114	117,900	19	27,600	92	89,100	3	1,200	104,943	254,168	40
189	153,198	32	34,818	156	117,444	1	936	300,415	572,195	41
151	123,153	24	27,141	116	88,792	11	7,220	53,688	233,757	42
301	322,532	56	78,473	183	169,412	62	74,647	132,959	676,666	43
75	68,145	9	12,700	66	55,445	.....	.....	98,630	215,330	44
63	33,872	14	13,380	43	16,542	6	3,950	85,096	161,472	45
104	79,858	2	2,740	102	77,118	.....	.....	36,699	161,500	46
32	22,510	9	9,500	21	12,260	2	750	24,297	55,620	47
100	108,400	18	35,100	82	73,300	.....	.....	1,222,330	1,570,935	48
66	67,090	24	29,990	42	37,100	.....	.....	225,630	389,940	49
45	25,560	7	6,760	22	12,500	16	6,300	25,496	72,440	50
15	10,340	3	2,900	12	7,440	.....	.....	9,150	33,000	51
22	21,492	7	9,250	15	12,242	.....	.....	10,737	42,032	52
1,513	895,855	148	165,968	1,350	726,037	15	2,950	2,080,291	3,664,457	53

gas, illuminating and heating, 1; gloves and mittens, 1; hairwork, 2; hand knit goods, 1; hats and caps, not including wool hats, 2; ironwork, architectural and ornamental, 1; leather, tanned and curried, 1; mattresses and spring beds, 1; mineral and soda waters, 2; models and patterns, 1; monuments and tombstones, 1; paints, 1; paper, 2; pickles, preserves, and sauces, 1; saws, 1; show cases, 2; slaughtering, wholesale, not including meat packing, 2; soap and candles, 2; steam fittings and heating apparatus, 2; tools, not elsewhere specified, 1; upholstery materials, 2; whips, 1; wood, turned and carved, 1.

POUGHKEEPSIE, N. Y.

3,772	1,837,656	444	341,860	2,488	1,185,786	840	310,010	3,200,593	6,254,132	1
40	20,564	13	7,664	25	11,783	2	1,117	12,924	45,776	2
36	13,470	21	8,200	6	1,550	9	3,720	6,390	25,954	3
25	11,720	7	3,100	18	8,620	.....	.....	47,100	70,520	4
135	58,823	19	14,670	116	44,153	.....	.....	173,119	297,220	5
134	101,455	13	13,203	121	88,252	.....	.....	90,233	217,480	6
75	46,964	7	9,400	66	35,764	2	1,800	28,266	93,220	7
152	82,672	35	21,672	25	14,404	92	46,596	89,609	211,876	8
361	157,740	27	23,230	64	27,910	270	106,600	420,900	672,000	9
31	8,483	11	3,833	20	4,650	.....	.....	3,175	15,100	10
14	9,600	9	6,600	5	3,000	.....	.....	8,400	23,300	11
9	4,666	3	2,040	6	2,626	.....	.....	10,467	19,000	12
187	121,676	10	13,120	106	64,200	71	44,356	165,116	313,753	13
101	60,154	11	12,341	82	42,638	8	5,175	34,506	121,900	14
38	19,101	14	7,000	23	11,906	1	195	10,006	34,950	15
23	12,980	6	3,100	17	9,880	.....	.....	45,524	113,825	16
117	48,225	9	5,435	108	42,790	.....	.....	85,093	150,950	17
156	98,387	7	6,042	149	92,345	.....	.....	80,800	202,000	18
50	17,835	14	7,555	36	10,280	.....	.....	62,619	104,060	19
87	61,263	22	15,033	65	46,230	.....	.....	20,600	98,300	20
32	18,098	9	5,860	23	12,238	.....	.....	10,486	38,040	21
77	49,751	11	10,020	66	39,731	.....	.....	41,339	114,500	22
40	21,320	4	2,920	26	12,160	10	6,240	16,289	48,700	23
108	55,373	16	13,720	85	36,973	7	4,680	24,337	120,400	24
18	10,751	6	4,384	11	5,847	1	520	10,628	24,805	25
20	14,674	2	1,750	18	12,924	.....	.....	20,368	46,500	26

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

POUGHKEEPSIE, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
27	Slaughtering and meat packing, wholesale	3	$5,000	$48,869	$949
28	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	6	9,000	28,250	1,804
29	Tobacco, cigars and cigarettes	8	51,875	45,310	10,926
30	Watch, clock, and jewelry repairing	11	17,700	34,835	2,074
31	All other industries (a)	54	269,000	2,441,701	106,429

a Embraces agricultural implements, 1; awnings, tents, and sails, 1; bicycle and tricycle repairing, 1; bookbinding and blank-book making, 2; boxes, cigar, 1; boxes, fancy and paper, 1; brick and tile, 1; carpets and rugs, other than rag, 1; carpets, rag, 1; carriage and wagon materials, 1; clay and pottery products, 1; coffee and spice, roasting and grinding, 1; corsets, 1; dyeing and cleaning, 1; dye stuffs and extracts, 1; electric light and power, 1; electroplating, 1; flouring and grist mill products, 1; furniture, chairs, 2; gas, illuminating and heating, 1; glass, 1; hosiery and knit goods, 2; iron and steel, 1; leather, tanned and curried, 1; lock and gun smithing, 1; looking-glass and picture frames, 1; mantels, slate, marble, and marbleized, 1;

PROVIDENCE, R. I.

1	All industries (a)	1,934	8,601,799	61,133,598	5,082,048
2	Awnings, tents, and sails	4	14,275	25,376	2,604
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	69	130,225	97,909	13,889
4	Bookbinding and blank-book making. (See also Printing and publishing.)	4	47,000	64,150	6,473
5	Boot and shoe findings	3	9,000	102,100	2,307
6	Boots and shoes, custom work and repairing	142	160,000	41,553	15,568
7	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	3	48,000	64,100	22,337
8	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	3	77,500	41,413	12,215
9	Brass castings and brass finishing. (See also Plumbers' supplies.)	6	14,210	59,750	2,324
10	Bread and other bakery products	45	207,375	252,066	32,413
11	Brooms and brushes	3	5,550	6,275	812
12	Buttons	4	52,400	67,323	8,464
13	Carpentering	120	190,500	415,963	86,817
14	Carriage and wagon materials	6	20,150	9,290	2,122
15	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	25	127,000	144,589	14,616
16	Clothing, men's, custom work and repairing	90	371,350	330,009	61,885
17	Clothing, men's, factory product	5	373,000	344,150	264,987
18	Clothing, women's, dressmaking	303	411,350	114,016	42,692
19	Clothing, women's, factory product	4	9,350	2,900	733
20	Coffee and spice, roasting and grinding	3	14,725	44,600	3,637
21	Coffins and burial cases, trimming and finishing	19	74,250	83,300	9,752
22	Confectionery	16	122,700	89,005	18,213
23	Cooperage	6	16,400	17,800	13,646
24	Cotton goods. (See also Hosiery and knit goods.)	16	355,780	3,763,432	362,694
25	Dentistry, mechanical	8	26,350	7,028	2,486
26	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	10	9,150	22,455	1,446
27	Dyeing and cleaning	5	22,350	10,006	2,288
28	Dyeing and finishing textiles	6	33,415	3,008,965	275,997
29	Electroplating	12	84,000	181,401	9,679
30	Enameled goods	4	23,900	23,610	7,038
31	Enameling	7	17,450	21,600	3,550
32	Engraving, wood	4	5,600	1,740	564
33	Fancy articles, not elsewhere specified	4	13,600	36,097	2,425
34	Files. (See also Cutlery and edge tools.)	8	22,975	582,110	9,908
35	Food preparations. (See also Fruits and vegetables, canning and preserving.)	3	7,385	1,797	889
36	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	59	494,100	9,600,687	342,928
37	Fur goods. (See also Hats and caps, not including wool hats.)	4	7,475	10,400	688
38	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	29	112,750	69,537	13,563
39	Furniture, factory product	4	57,350	62,050	7,788
40	Gas and lamp fixtures	4	23,350	55,400	3,240
41	Gold and silver, reducing and refining, not from the ore	10	61,850	300,425	19,370

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Providence. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

POUGHKEEPSIE, N. Y.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
22	$9,808	3	$1,062	19	$8,146	.....	.....	$100,567	$120,300	27
26	13,772	9	4,760	17	9,012	.....	.....	14,485	34,730	28
71	39,387	14	8,484	15	5,993	42	$24,910	28,166	82,857	29
30	14,848	12	6,212	17	8,536	1	100	6,475	26,200	30
1,557	634,096	100	98,850	1,133	471,245	324	64,001	1,532,606	2,759,856	31

marble and stone work, 1; mattresses and spring beds, 2; mineral and soda waters, 2; monuments and tombstones, 2; patent medicines and compounds, 1; plastering and stuccowork, 1; regalia and society banners and emblems, 1; roofing and roofing materials, 2; shirts, 2; silk and silk goods, 1; soap and candles, 1; springs, steel, car and carriage, 1; tools, not elsewhere specified, 2; umbrellas and canes, 1; wheelbarrows, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 1; woolen goods, 1.

PROVIDENCE, R. I.

42,124	20,793,399	3,137	3,107,509	34,601	15,767,658	4,386	1,918,232	39,794,241	77,467,283	1
38	26,570	8	9,740	30	16,830	.....	.....	32,486	67,810	2
191	124,883	58	43,460	132	81,273	1	150	63,541	237,043	3
68	33,082	4	5,280	64	27,802	.....	.....	26,414	84,145	4
55	28,742	6	7,560	49	21,182	.....	.....	67,750	112,000	5
222	103,827	133	64,693	52	23,668	37	15,466	57,858	182,493	6
193	36,932	2	2,000	143	26,552	48	8,380	41,016	119,000	7
91	44,750	5	4,824	76	34,926	10	5,000	69,500	157,200	8
31	21,741	7	7,450	24	14,291	.....	.....	58,310	84,919	9
310	173,064	61	45,494	249	127,570	.....	.....	521,593	883,148	10
17	5,883	3	1,848	12	3,975	2	60	5,547	15,110	11
110	49,384	8	7,388	87	35,059	15	6,937	46,978	131,857	12
1,038	743,552	125	111,630	910	631,222	3	760	907,649	1,915,126	13
15	7,758	4	3,230	11	4,528	.....	.....	9,345	23,350	14
197	123,934	22	18,846	175	105,088	.....	.....	97,423	275,436	15
656	313,066	83	68,023	249	114,125	324	130,918	302,779	806,121	16
388	172,572	28	47,985	351	121,584	9	3,000	364,480	835,522	17
906	295,488	306	139,492	568	151,796	32	4,200	680,400	1,099,951	18
17	6,276	.....	.....	10	3,976	7	2,300	17,164	34,200	19
26	19,226	13	11,900	13	7,326	.....	.....	118,485	159,250	20
47	28,296	22	15,835	22	12,226	3	235	68,732	130,462	21
149	69,508	40	20,603	109	48,905	.....	.....	178,545	333,767	22
36	20,362	7	5,686	28	14,626	1	50	39,776	80,222	23
3,162	1,051,294	44	50,336	2,713	854,112	405	146,846	1,969,954	3,767,589	24
15	11,519	10	9,041	5	1,878	.....	.....	3,492	21,910	25
20	10,638	9	6,480	11	4,158	.....	.....	10,649	28,818	26
28	13,794	5	4,044	23	9,750	.....	.....	3,013	24,813	27
1,661	733,780	43	68,787	1,584	648,891	34	16,102	760,728	1,957,690	28
109	85,975	15	25,037	94	60,938	.....	.....	449,821	649,892	29
104	38,763	9	8,055	85	27,708	10	3,000	24,821	85,000	30
54	28,630	9	8,864	45	19,766	.....	.....	3,511	41,798	31
10	6,660	3	2,448	7	4,212	.....	.....	650	8,808	32
53	21,222	6	6,585	47	14,637	.....	.....	13,754	49,400	33
393	203,137	20	24,327	232	104,505	141	74,105	126,223	390,280	34
8	2,762	4	1,450	4	1,312	.....	.....	2,048	8,500	35
5,912	3,494,447	256	319,856	5,366	2,921,709	290	252,882	3,114,333	8,351,085	36
21	6,340	4	2,388	17	3,952	.....	.....	34,917	42,726	37
140	83,050	29	21,014	102	58,716	9	3,320	133,245	256,600	38
95	68,664	9	11,548	86	57,116	.....	.....	30,520	126,500	39
51	25,780	7	7,320	44	18,460	.....	.....	29,958	70,200	40
81	79,538	11	30,742	68	47,096	2	1,700	1,162,168	1,419,553	41

exactly locate its operations within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PROVIDENCE, R. I.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
42	Hairwork	10	$41,700	$14,765	$4,176
43	Hosiery and knit goods. (See also Cotton goods; Woolen goods.)	4	27,000	291,250	17,452
44	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	4	19,400	67,665	3,960
45	Ivory and bone work	6	13,450	42,385	3,027
46	Jewelry. (See also Watch, clock, and jewelry repairing.)	170	1,254,080	5,935,051	306,624
47	Leather, dressed skins	3	10,000	22,450	1,549
48	Lock and gun smithing	7	21,000	6,000	2,139
49	Looking-glass and picture frames	12	47,950	44,135	6,061
50	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts; Wood, turned and carved.)	9	85,600	231,200	16,096
51	Marble and stone work. (See also Monuments and tombstones.)	10	27,850	99,242	5,968
52	Masonry, brick and stone. (See also Plastering and stuccowork.)	24	16,100	160,550	8,966
53	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	4	20,000	21,500	2,115
54	Millinery, custom work	52	170,000	82,520	17,120
55	Mineral and soda waters	9	12,135	44,725	10,364
56	Models and patterns	6	14,075	10,925	1,528
57	Monuments and tombstones. (See also Marble and stone work.)	6	8,350	22,947	2,124
58	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	3	5,550	1,830	551
59	Oil, lubricating	5	23,150	102,090	17,482
60	Oleomargarine	3	36,000	114,000	74,325
61	Painting and paper hanging	77	140,250	138,820	18,576
62	Paints. (See also Chemicals.)	6	22,650	129,875	6,449
63	Paper goods, not elsewhere specified	4	14,000	33,270	4,294
64	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	12	31,550	832,466	9,991
65	Paving and paving materials	3	6,250	21,400	4,880
66	Photography	21	110,225	74,905	13,657
67	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	3	200	54,475	7,791
68	Plastering and stuccowork. (See also Masonry, brick and stone.)	10	18,000	16,855	2,393
69	Plumbing and gas fitting	46	110,200	177,319	22,389
70	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	28	232,507	301,764	47,543
71	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	20	91,723	331,150	151,957
72	Rubber and elastic goods	3	220,000	285,764	53,986
73	Saddlery and harness	27	85,000	81,184	11,314
74	Sausage. (See also Slaughtering and meat packing, wholesale.)	5	16,000	12,450	7,126
75	Shipbuilding	3	1,575	4,420	144
76	Shoddy	4	33,000	90,850	15,332
77	Silverware	4	53,538	3,002,232	367,389
78	Slaughtering and meat packing, wholesale. (See also Sausage.)	6	54,424	245,500	13,641
79	Soap and candles. (See also Grease and tallow.)	8	20,000	110,800	27,558
80	Sporting goods	4	6,350	149,210	2,944
81	Stationery goods, not elsewhere specified	5	13,825	23,850	1,750
82	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	36	122,250	196,065	24,662
83	Tobacco, cigars and cigarettes	15	34,000	45,068	17,875
84	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	10	20,000	55,172	2,150
85	Umbrellas and canes	4	26,850	31,175	5,434
86	Watch, clock, and jewelry repairing. (See also Jewelry.)	6	6,100	3,105	610
87	Window shades	3	50,750	76,784	10,248
88	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	8	38,000	34,680	4,755
89	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	9	44,650	44,900	5,933
90	Worsted goods. (See also Woolen goods.)	14	561,726	11,565,798	1,063,629
91	All other industries (a)	103	687,676	15,470,517	949,574

a Embraces agricultural implements, 1; artificial feathers and flowers, 1; belting and hose, leather, 2; bicycle and tricycle repairing, 2; boots and shoes, factory product, 2; boots and shoes, rubber, 1; boxes, cigar, 1; brassware, 2; cars and general shop construction and repairs by steam railroad companies, 1; cheese, butter, and condensed milk, factory product, 1; chemicals, 2; clay and pottery products, 2; cleansing and polishing preparations, 1; clocks, 1; coffins, burial cases, and undertakers' goods, 1; collars and cuffs, paper, 1; corsets, 1; cotton waste, 2; cutlery and edge tools, 1; dye stuffs and extracts, 2; electrical apparatus and supplies, 2; engraving and diesinking, 1; engraving, steel, including plate printing, 1; flavoring extracts, 1; flouring and grist mill products, 2; foundry supplies, 1; fruits and vegetables, canning and preserving, 1; gas, illuminating and heating, 1; gas stoves, 1; glass, cutting, staining, and ornamenting, 2; gold and silver, leaf and foil, 1; grease and tallow, 1; hand stamps, 2; hardware, 2; hats and caps, not including wool hats, 2; hooks and eyes, 1; instruments, professional and scientific, 1; iron and steel, forgings, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; jewelry

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PROVIDENCE, R. I.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piecework ers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
25	$11,692	5	$3,120	14	$6,672	6	$1,900	$8,432	$28,770	42
487	139,492	6	7,097	308	98,353	173	34,042	256,004	497,100	43
79	46,315	6	6,200	73	40,115	.....	.....	61,994	120,084	44
42	23,097	8	7,147	34	15,950	.....	.....	14,101	47,286	45
4,380	2,581,947	447	536,304	3,556	1,825,660	377	219,983	3,220,702	7,801,003	46
13	8,260	3	2,360	5	2,900	5	3,000	20,550	35,082	47
15	11,336	9	7,944	6	3,392	.....	.....	2,870	17,195	48
55	34,604	13	11,013	41	23,436	1	150	58,679	123,370	49
101	64,669	15	13,899	86	50,770	.....	.....	112,027	209,431	50
145	96,397	17	17,072	128	79,325	.....	.....	38,602	159,144	51
493	324,922	26	28,552	467	296,370	.....	.....	426,196	870,907	52
44	18,730	7	5,044	35	12,986	2	700	25,191	50,709	53
155	57,111	40	21,771	115	35,340	.....	.....	122,947	227,358	54
39	20,173	10	6,047	29	14,126	.....	.....	26,928	74,815	55
15	11,250	5	4,670	10	6,580	.....	.....	2,312	18,268	56
29	21,162	5	4,380	24	16,782	.....	.....	9,180	39,875	57
4	2,310	4	2,310	.....	.....	.....	.....	1,419	4,061	58
40	31,042	25	23,866	15	7,176	.....	.....	110,433	197,104	59
53	36,946	16	19,888	37	17,058	.....	.....	441,787	573,600	60
506	359,005	64	55,219	441	303,628	1	158	151,475	588,479	61
45	32,610	24	20,224	21	12,386	.....	.....	96,511	158,417	62
37	14,075	6	4,800	24	8,991	7	2,284	14,633	40,668	63
72	51,976	28	30,518	44	21,458	.....	.....	72,845	307,565	64
78	39,500	7	4,912	71	34,648	.....	.....	17,228	86,569	65
86	58,567	20	24,852	63	33,041	3	674	48,972	151,000	66
27	13,350	6	5,450	18	7,150	3	750	62,943	109,300	67
83	61,400	11	8,956	72	52,534	.....	.....	19,171	97,900	68
251	158,797	51	41,262	200	117,535	.....	.....	210,312	441,565	69
321	192,254	56	54,658	254	130,246	11	7,350	132,485	416,344	70
327	235,404	45	46,161	220	128,693	62	60,610	114,495	592,664	71
389	159,106	21	22,080	240	89,726	128	47,300	285,085	599,000	72
125	69,780	30	25,121	91	43,259	4	1,400	55,265	153,524	73
30	19,676	4	2,904	26	16,772	.....	.....	38,782	73,104	74
8	5,540	3	2,140	5	3,400	.....	.....	1,448	8,665	75
68	37,944	8	11,500	60	26,444	.....	.....	438,495	564,492	76
1,034	780,935	65	93,900	944	660,635	25	26,400	1,045,860	2,509,869	77
162	97,054	26	20,418	136	76,636	.....	.....	1,520,940	1,695,105	78
210	90,828	19	28,650	191	62,178	.....	.....	544,275	748,252	79
111	61,110	9	9,766	94	49,624	8	1,720	42,522	134,450	80
28	14,094	8	6,800	20	7,294	.....	.....	22,091	49,200	81
265	169,991	49	45,069	208	120,033	8	4,889	241,823	491,730	82
112	41,718	10	7,589	28	10,222	74	23,907	44,097	106,689	83
52	35,809	12	11,197	40	24,612	.....	.....	14,560	62,026	84
106	51,889	11	7,665	93	43,860	2	364	20,760	83,940	85
8	5,047	7	4,147	1	900	.....	.....	2,839	9,521	86
84	38,712	9	12,696	75	26,016	.....	.....	412,290	506,700	87
52	26,558	13	9,630	39	16,928	.....	.....	17,007	50,840	88
50	34,529	9	9,615	41	24,914	.....	.....	57,199	95,828	89
8,877	3,299,607	88	144,663	8,318	2,998,801	471	156,143	10,728,419	17,605,831	90
5,588	2,579,980	313	354,166	3,643	1,576,657	1,632	649,157	6,710,084	12,853,589	91

and instrument cases, 2; kindling wood, 1; lapidary work, 1; lead, bar, pipe, and sheet, 1; leather goods, 1; liquors, malt, 2; lithographing and engraving, 1; lumber and other mill products from logs or bolts, 1; millinery and lace goods, 1; musical instruments, organs and materials, 1; oil, cottonseed and cake, 1; ordnance and ordnance stores, 1; pencils, lead, 1; pens, fountain and stylographic, 1; pens, gold, 1; perfumery and cosmetics, 1; photolithographing and engraving, 1; plumbers' supplies, 1; regalia and society banners and emblems, 1; roofing and roofing materials, 2; rules, ivory and wood, 1; safes and vaults, 1; saws, 1; scales and balances, 1; screws, wood, 1; sewing machines and attachments, 2; shirts, 2; silk and silk goods, 2; silversmithing, 1; smelting and refining, 1; starch, 1; steam fittings and heating apparatus, 2; stencils and brands, 2; stereotyping and electrotyping, 1; taxidermy, 1; timber products, not manufactured at mill, 1; trunks and valises, 2; upholstery materials, 1; watch cases, 1; windmills, 1; woolen goods, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

PUEBLO, COLO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
1	All industries	102	$233,053	$1,278,792	$92,792
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	6	11,800	7,130	1,729
3	Boots and shoes, custom work and repairing	14	13,125	19,199	1,792
4	Brick and tile	9	27,500	148,731	9,787
5	Carpentering	10	4,175	37,088	2,936
6	Clothing, men's, custom work and repairing	6	13,750	34,226	3,163
7	Clothing, women's, dressmaking	4	10,778	4,795	1,677
8	Lumber, planing mill products, including sash, doors, and blinds	3	4,700	98,995	2,606
9	Masonry, brick and stone	5	9,300	80,725	4,044
10	Millinery, custom work	6	18,500	35,915	3,881
11	Printing and publishing, newspapers and periodicals. (See also Printing and publishing, book and job.)	8	25,885	56,720	28,335
12	Saddlery and harness	3	15,000	39,700	3,314
13	Tobacco, cigars and cigarettes	9	21,500	27,215	5,852
14	All other industries (a)	19	57,040	688,358	23,076

a Embraces brass castings and brass finishing, 1; bread and other bakery products, 1; brooms and brushes, 1; carpets, rag, 1; carriages and wagons, including custom work and repairing, 2; cars and general shop construction and repairs by steam railroad companies, 1; foundry and machine shop products, 2; gas, illuminating and heating, 1; hand stamps, 1; ironwork,

QUINCY, ILL.

1	All industries	394	1,322,880	6,554,810	648,086
2	Agricultural implements	5	9,485	254,460	17,581
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	20	18,150	27,540	2,527
4	Boots and shoes, custom work and repairing	20	20,000	13,526	2,074
5	Bread and other bakery products	10	49,735	39,070	4,980
6	Brick and tile	13	.....	143,600	1,835
7	Carpentering	19	26,100	182,400	6,594
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	10	38,690	505,404	26,597
9	Clothing, men's, custom work and repairing	15	47,900	59,750	4,780
10	Clothing, women's, dressmaking	18	43,300	28,290	4,746
11	Confectionery	4	108,670	38,475	19,519
12	Cooperage	16	1,995	20,580	711
13	Dyeing and cleaning	3	8,280	6,115	1,102
14	Fancy articles, not elsewhere specified	3	6,975	3,120	657
15	Flouring and grist mill products	5	100,175	291,503	35,204
16	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	16	43,815	1,376,950	70,979
17	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	4	4,100	35,920	1,724
18	Furniture, factory product. (See also Furniture, chairs.)	2	6,000	15,250	1,092
19	Lime and cement	7	.....	150,950	6,048
20	Liquors, malt	5	.....	580,504	106,859
21	Looking-glass and picture frames	3	3,325	4,985	741
22	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts.)	3	8,770	263,000	10,146
23	Masonry, brick and stone. (See also Plastering and stuccowork.)	3	.....	32,300	452
24	Millinery, custom work	8	31,700	47,200	4,020
25	Monuments and tombstones	4	8,650	25,650	1,541
26	Painting and paper hanging	13	30,200	43,215	3,990
27	Patent medicines and compounds	5	12,500	13,825	2,248
28	Photography	9	36,000	14,505	3,265
29	Plumbing and gas fitting	3	8,300	22,700	1,200
30	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	6	26,500	83,120	3,046
31	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	13	76,725	96,275	30,976
32	Saddlery and harness	7	74,000	38,385	8,017
33	Slaughtering and meat packing, wholesale	3	54,190	103,400	20,288
34	Tinsmithing, coppersmithing, and sheet-iron working	17	61,675	66,240	7,938

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

PUEBLO, COLO.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
1,071	$769,346	134	$139,587	874	$581,835	63	$47,924	$999,966	$2,374,631	1
18	17,057	7	7,800	11	9,257	.....	.....	6,739	28,584	2
20	12,098	14	9,030	1	480	5	2,588	4,976	23,835	3
261	107,933	14	13,415	241	93,229	6	1,289	28,077	168,319	4
81	83,772	12	13,338	69	70,434	.....	.....	106,912	215,571	5
36	30,373	6	8,708	22	14,593	8	7,072	21,317	63,078	6
34	18,506	4	3,120	30	15,386	.....	.....	32,631	62,264	7
54	49,208	8	10,900	45	37,308	1	1,000	44,381	115,200	8
128	117,306	4	6,964	124	110,402	.....	.....	358,164	669,500	9
22	12,786	9	5,724	13	7,062	.....	.....	23,527	41,237	10
78	70,622	19	19,802	35	27,385	24	23,435	23,491	145,299	11
19	16,294	4	3,812	15	12,482	.....	.....	17,559	54,470	12
33	21,186	6	5,292	9	4,134	18	11,760	21,443	56,596	13
287	212,145	27	31,682	259	179,083	1	780	310,749	730,768	14

architectural and ornamental, 2; mineral and soda waters, 1; paving and paving materials, 1; printing and publishing book and job, 1; taxidermy, 1; trunks and valises, 1; watch, clock, and jewelry repairing, 1.

QUINCY, ILL.

5,110	2,429,834	533	443,426	3,952	1,655,951	625	330,457	5,701,973	10,395,162	1
168	81,499	12	14,100	132	59,059	24	8,340	126,035	288,725	2
56	26,063	18	10,188	38	15,875	.....	.....	20,494	57,800	3
26	13,907	21	11,723	5	2,184	.....	.....	6,626	24,855	4
55	21,769	12	6,803	43	14,966	.....	.....	97,055	149,656	5
203	47,058	8	3,272	170	37,462	25	6,324	21,345	101,100	6
326	170,265	7	5,399	319	164,866	.....	.....	316,893	614,700	7
374	185,945	17	17,044	342	155,401	15	13,500	313,399	600,762	8
90	40,502	12	5,896	38	19,854	40	14,752	40,765	100,550	9
82	21,697	2	1,040	80	20,657	.....	.....	18,690	55,899	10
108	39,532	15	11,140	93	28,392	.....	.....	93,990	177,500	11
57	26,521	8	2,598	6	1,818	43	22,105	26,755	60,400	12
19	5,998	1	1,560	18	4,438	.....	.....	2,700	10,800	13
6	1,923	4	1,590	2	333	.....	.....	1,270	4,100	14
103	63,505	11	12,267	92	51,238	.....	.....	1,581,965	1,768,501	15
786	494,561	69	81,258	462	222,493	255	190,810	409,724	1,157,817	16
31	14,954	4	2,820	27	12,134	.....	.....	10,625	28,503	17
23	10,000	1	625	22	9,375	.....	.....	16,300	36,300	18
160	55,760	7	5,050	153	50,710	.....	.....	76,601	169,951	19
126	78,060	15	15,980	111	62,080	.....	.....	140,679	398,140	20
4	2,403	3	1,259	3	1,144	.....	.....	4,025	7,750	21
93	47,509	6	7,080	84	39,304	3	1,125	207,785	293,700	22
63	31,505	1	785	62	30,720	.....	.....	47,000	90,825	23
45	17,459	6	2,288	39	15,171	.....	.....	37,715	67,600	24
24	28,446	11	18,640	13	9,806	.....	.....	21,650	74,950	25
106	53,730	11	7,561	95	46,169	.....	.....	38,645	119,600	26
20	6,942	7	3,725	13	3,217	.....	.....	5,026	22,525	27
28	18,598	11	11,170	17	7,428	.....	.....	10,415	37,600	28
24	11,136	2	1,200	22	9,936	.....	.....	24,110	43,500	29
43	22,310	10	9,240	33	13,070	.....	.....	17,865	59,150	30
175	90,399	21	18,701	127	49,093	27	22,605	34,166	188,385	31
139	76,464	27	18,874	109	56,134	3	1,456	122,620	220,200	32
93	29,854	10	7,920	81	21,284	2	650	581,369	656,321	33
65	33,815	12	8,894	53	24,921	.....	.....	45,485	112,250	34

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

QUINCY, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
35	Tobacco, chewing, smoking, and snuff	3	$42,315	$235,900	$136,825
36	Tobacco, cigars and cigarettes	31	65,275	85,563	18,799
37	Watch, clock, and jewelry repairing. (See also Jewelry.)	8	51,385	15,550	6,150
38	All other industries (a)	59	198,000	1,589,590	72,835

a Embraces awnings, tents, and sails, 1; axle grease, 1; baskets and rattan and willow ware, 1; bookbinding and blank-book making, 2; boot and shoe uppers, 1; boots and shoes, factory product, 1; boxes, cigar, 1; boxes, fancy and paper, 1; brass castings and brass finishing, 1; brooms and brushes, 2; cheese and butter, urban dairy product, 1; chemicals, 1; cleansing and polishing preparations, 1; clothing, men's, factory product, 1; coffee and spice, roasting and grinding, 2; engraving and diesinking, 2; files, 1; furniture, chairs, 1; gas, illuminating and heating, 1; hairwork, 2; hardware, 1; ironwork, architectural

RACINE, WIS.

1	All industries	190	287,206	11,533,207	662,448
2	Agricultural implements	11	74,385	5,573,482	236,257
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	5	3,950	7,000	585
4	Boots and shoes, custom work and repairing	12	3,880	24,895	1,251
5	Bread and other bakery products	5	5,350	21,650	1,774
6	Brick and tile. (See also Clay and pottery products.)	3	.....	56,975	4,138
7	Carpentering	8	8,775	17,325	45,025
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	5	5,450	2,347,032	108,123
9	Clothing, men's, custom work and repairing	13	29,000	61,975	5,179
10	Clothing, women's, dressmaking	7	8,725	1,555	1,005
11	Foundry and machine shop products	6	12,175	219,470	19,426
12	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	4	2,100	12,450	1,384
13	Leather, tanned and curried	4	6,825	204,000	10,830
14	Liquors, malt	3	.....	120,050	22,541
15	Masonry, brick and stone	4	3,635	4,480	9,432
16	Millinery, custom work	4	9,645	6,400	1,310
17	Photography	4	9,150	10,800	1,213
18	Plumbing and gas fitting	3	11,325	14,275	1,631
19	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	8	28,200	59,364	17,812
20	Saddlery and harness	7	6,580	14,395	1,049
21	Tinsmithing, coppersmithing, and sheet-iron working (See also Roofing and roofing materials.)	5	7,610	5,125	1,005
22	Tobacco, cigars and cigarettes	11	5,450	23,382	3,560
23	Trunks and valises	3	.....	290,887	13,074
24	Watch, clock, and jewelry repairing. (See also Jewelry.)	6	7,475	4,850	925
25	All other industries (a)	49	37,521	2,370,490	153,919

a Embraces awnings, tents, and sails, 1; baskets and rattan and willow ware, 1; bookbinding and blank-book making, 1; boots and shoes, factory product, 2; boxes, fancy and paper, 1; carriage and wagon materials, 1; clay and pottery products, 1; clothing, men's, factory product, 1; clothing, women's, factory product, 1; coffins and burial cases, trimming and finishing, 1; confectionery, 1; dyeing and cleaning, 1; flouring and grist mill products, 1; food preparations, 2; fur goods, 1; furniture, factory product, 1; gas, illuminating and heating, 1; grease and tallow, 1; hand stamps, 1; hardware, 1; hosiery and knit

READING, PA.

1	All industries	435	1,355,858	14,083,374	1,042,366
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	24	15,875	32,380	2,288
3	Boots and shoes, custom work and repairing	15	7,425	30,325	1,022
4	Bottling. (See also Liquors, malt.)	5	17,500	26,125	4,697
5	Boxes, cigar	3	6,000	41,200	2,110
6	Boxes, fancy and paper	3	8,175	9,250	691
7	Bread and other bakery products	42	58,450	158,139	11,761
8	Brick and tile. (See also Clay and pottery products.)	15	132,750	353,329	23,042
9	Brooms and brushes	10	7,275	38,930	968
10	Carpets, rag	7	2,600	19,840	465
11	Carriage and wagon materials	3	17,800	51,298	4,595

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

QUINCY, ILL.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
171	$56,091	13	$12,200	158	$43,891	.....	.....	$221,975	$578,500	35
108	49,738	27	15,511	35	13,293	46	$20,934	47,775	122,044	36
22	14,925	7	7,106	15	7,819	.....	.....	2,740	32,550	37
1,086	438,991	104	80,919	840	330,216	142	27,856	910,296	1,867,605	38

and ornamental, 2; jewelry, 1; kaolin and other earth grinding, 1; leather, tanned and curried, 1; liquors, vinous, 1; lock and gun smithing, 2; lumber and other mill products from logs or bolts, 2; mattresses and spring beds, 1; mineral and soda waters, 2; models and patterns, 2; musical instruments, organs and materials, 1; paints, 1; paper, 1; pickles, preserves, and sauces, 1; plastering and stucco work, 1; rules, ivory and wood, 1; shipbuilding, 1; shirts, 1; show cases, 2; soap and candles, 1; trunks and valises, 2; varnish, 1; vinegar and cider, 2; wirework, including wire rope and cable, 2.

RACINE, WIS.

4,872	2,418,498	412	408,629	3,386	1,534,803	1,074	475,066	4,340,308	8,462,350	1
1,150	658,854	104	132,303	815	384,228	231	142,323	770,997	1,979,613	2
8	4,670	6	3,570	2	1,100	.....	.....	2,488	10,000	3
20	8,211	6	2,664	13	5,497	1	50	5,875	19,026	4
16	8,952	6	4,072	10	4,880	.....	.....	16,256	34,300	5
100	35,450	4	2,650	80	24,200	16	8,600	12,825	58,700	6
83	49,794	9	7,614	74	42,180	.....	.....	104,530	219,000	7
997	523,571	46	72,204	775	361,030	176	90,337	1,139,205	1,902,536	8
64	29,027	13	9,128	30	13,424	21	6,475	35,333	78,511	9
37	8,482	5	2,880	32	5,602	.....	.....	2,165	16,200	10
288	121,551	16	12,180	182	77,903	90	31,468	119,718	307,701	11
8	4,380	2	1,500	6	2,880	.....	.....	6,505	15,000	12
99	57,844	9	14,700	90	43,144	.....	.....	592,705	706,000	13
23	15,300	5	4,380	18	10,920	.....	.....	34,391	92,520	14
60	35,380	6	4,580	54	30,800	.....	.....	43,073	100,750	15
12	4,569	4	2,352	8	2,217	.....	.....	7,800	24,000	16
15	7,380	4	2,998	11	4,382	.....	.....	5,122	17,378	17
42	40,100	3	3,200	39	36,900	.....	.....	71,605	123,500	18
77	44,193	18	13,924	56	28,819	3	1,450	32,569	113,341	19
10	5,418	4	2,504	6	2,914	.....	.....	9,457	28,862	20
17	9,804	1	624	16	9,180	.....	.....	8,200	23,500	21
30	13,343	7	2,871	4	884	19	9,588	12,367	33,943	22
233	101,983	19	14,640	89	35,449	125	51,894	222,318	371,301	23
11	5,668	5	2,928	6	2,740	.....	.....	1,215	10,200	24
1,472	624,574	110	88,163	970	403,530	392	132,881	1,082,909	2,175,577	25

goods, 1; jewelry, 1; lime and cement, 1; lumber, planing mill products, including sash, doors, and blinds, 2; malt, 1; marble and stone work, 2; mattresses and spring beds, 1; mineral and soda waters, 2; monuments and tombstones, 1; musical instruments, pianos and materials, 1; oil, linseed, 1; painting and paper hanging, 2; patent medicines and compounds, 1; pumps, not including steam pumps, 1; roofing and roofing materials, 1; rubber and elastic goods, 1; shipbuilding, 2; soap and candles, 1; springs, steel, car and carriage, 1; wirework, including wire rope and cable, 2; woolen goods, 1.

READING, PA.

12,966	5,461,293	755	680,823	9,461	3,627,698	2,750	1,152,772	12,009,332	20,855,165	1
54	33,163	25	18,358	29	14,805	.....	.....	12,546	51,881	2
42	17,369	16	8,881	17	5,060	9	3,428	9,672	29,510	3
36	27,082	7	13,300	29	13,782	.....	.....	32,299	65,000	4
79	21,584	7	3,644	31	10,272	41	7,668	32,226	64,610	5
43	13,007	5	3,740	28	6,812	10	2,455	11,742	30,500	6
204	99,584	45	36,242	159	63,342	.....	.....	165,391	314,615	7
613	167,422	10	8,545	575	152,193	28	6,684	79,379	364,842	8
68	27,647	15	9,184	42	15,053	11	3,410	25,873	63,200	9
17	7,274	6	3,240	3	1,036	8	2,998	9,681	18,300	10
47	21,294	5	4,392	38	15,654	4	1,248	32,928	75,305	11

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

READING, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
12	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	$3,350	$115,650	$4,349
13	Cheese and butter, urban dairy product	3	6,000	2,440	571
14	Clothing, men's, custom work and repairing	18	126,000	175,911	11,038
15	Clothing, men's, factory product	4	39,000	141,550	3,402
16	Clothing, women's, dressmaking	22	25,675	37,964	2,660
17	Coffins and burial cases, trimming and finishing	4	.....	53,775	1,507
18	Confectionery	10	83,349	69,570	7,969
19	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	15	134,750	1,098,370	161,731
20	Hardware. (See also Tools, not elsewhere specified.)	3	.....	1,188,052	25,604
21	Iron and steel	7	50,000	2,114,356	159,095
22	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	4	6,000	44,175	1,022
23	Jewelry. (See also Watch, clock, and jewelry repairing.)	3	4,600	33,750	394
24	Liquors, malt. (See also Bottling.)	3	.....	569,100	98,280
25	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts.)	6	52,000	275,420	10,131
26	Monuments and tombstones	6	10,000	91,850	2,845
27	Painting and paper hanging	21	35,200	101,150	5,268
28	Paints	3	10,000	260,093	4,698
29	Photography	8	15,500	69,075	2,410
30	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making; Printing and publishing, book and job.)	12	78,334	351,396	67,252
31	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	8	3,350	70,175	1,040
32	Saddlery and harness	9	26,100	41,350	2,345
33	Soap and candles	3	.....	39,975	1,042
34	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	14	23,000	89,040	3,066
35	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	38	70,500	433,610	126,742
36	Wool hats	8	42,500	777,209	39,581
37	All other industries (*a*)	72	236,800	4,477,462	246,745

a Embraces agricultural implements, 2; awnings, tents, and sails, 1; bags, paper, 1; baskets and rattan and willow ware, 1; bookbinding and blank-book making, 2; boot and shoe uppers, 2; boots and shoes, factory product, 2; boxes, wooden packing, 2; brass castings and brass finishing, 2; cars and general shop construction and repairs by steam railroad companies, 1; clay and pottery products, 1; coffee and spice, roasting and grinding, 2; cordage and twine, 1; cotton goods, 2; dentistry, mechanical, 1; engraving, wood, 2; fertilizers, 1; files, 1; flags and banners, 1; flouring and grist mill products, 1; furnishing goods, men's, 2; furniture, cabinetmaking, repairing and upholstering, 2; furniture, chairs, 1; furniture, factory product, 1; glass, 1; hat and cap materials, 1; hosiery and knit goods, 2; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel,

RICHMOND, VA.

1	All industries	966	2,723,460	16,785,242	3,290,170
2	Agricultural implements	4	64,700	202,500	14,290
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	40	33,430	29,395	4,203
4	Bookbinding and blank-book making. (See also Printing and publishing.)	3	40,500	122,220	12,719
5	Boots and shoes, custom work and repairing	100	67,500	71,669	9,086
6	Boots and shoes, factory product	3	13,000	377,461	80,976
7	Bottling. (See also Mineral and soda waters.)	6	1,500	50,005	4,016
8	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	7	37,355	143,428	12,241
9	Bread and other bakery products	18	57,000	143,847	14,479
10	Brick and tile	6	6,667	133,200	4,032
11	Brooms and brushes	3	21,100	38,850	6,490
12	Carpentering	87	71,925	783,583	19,864
13	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	15	72,130	229,205	15,711
14	China, decorating	3	2,560	1,910	246
15	Clothing, men's, custom work and repairing	34	99,743	148,507	12,883
16	Clothing, women's, dressmaking	65	57,300	41,162	11,634
17	Clothing, women's, factory product	3	11,250	13,875	1,485
18	Coffins and burial cases, trimming and finishing	9	9,040	33,745	1,618
19	Confectionery	17	46,850	81,515	6,038
20	Cooperage	8	18,375	21,573	3,268
21	Dentistry, mechanical	20	20,650	31,765	3,496

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

READING, PA.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
73	$31,936	18	$9,800	55	$22,136	.....	.....	$49,310	$114,000	12
6	3,320	3	1,860	3	1,460	.....	.....	12,452	19,050	13
300	103,855	32	25,600	90	27,235	178	$51,020	111,971	251,264	14
247	79,110	18	14,128	18	10,348	211	54,634	149,971	203,000	15
120	35,834	25	15,756	95	20,078	.....	.....	16,750	58,300	16
15	11,168	6	6,350	9	4,818	.....	.....	10,700	27,500	17
80	31,165	14	11,986	66	19,179	.....	.....	76,416	138,580	18
1,061	571,359	57	47,906	779	373,193	225	150,260	782,489	1,769,949	19
1,151	453,873	23	24,875	649	211,231	479	217,767	420,863	1,057,282	20
1,489	519,629	37	31,617	1,452	488,012	.....	.....	2,058,320	2,785,155	21
28	14,812	3	2,080	25	12,732	.....	.....	15,546	35,960	22
16	8,280	3	3,280	10	4,142	3	858	6,065	19,500	23
61	56,914	6	16,480	55	40,434	.....	.....	132,815	368,570	24
214	122,800	20	19,401	194	103,399	.....	.....	197,192	396,500	25
70	56,740	12	16,600	58	40,140	.....	.....	26,690	94,500	26
156	111,634	26	28,280	127	81,014	3	2,340	62,975	201,250	27
35	19,009	4	3,224	31	15,785	.....	.....	88,848	140,651	28
74	46,748	8	12,650	64	33,698	2	400	16,700	70,500	29
271	143,990	27	21,820	221	108,232	23	13,938	61,364	330,178	30
41	20,663	10	6,560	31	14,103	.....	.....	25,986	56,800	31
32	14,704	8	4,774	21	8,930	3	1,000	12,187	31,514	32
13	5,388	4	2,060	9	3,328	.....	.....	18,977	29,393	33
62	28,892	17	11,452	45	17,440	.....	.....	27,814	72,980	34
945	382,264	47	82,607	316	128,487	582	171,170	433,429	1,078,517	35
742	251,942	23	15,760	453	115,912	266	120,270	558,398	1,025,976	36
4,461	1,899,838	163	134,391	3,634	1,424,223	664	341,224	6,223,457	9,336,527	37

forgings, 2; iron and steel, pipe, wrought, 1; leather, tanned and curried, 2; lock and gun smithing, 2; lumber and other mill products from logs or bolts, 1; mantels, slate, marble, and marbleized, 1; mattresses and spring beds, 1; millinery, custom work, 1; models and patterns, 1; musical instruments, organs and materials, 1; optical goods, 1; paper, 1; printing and publishing, book and job, 2; shirts, 2; silk and silk goods, 1; steam fittings and heating apparatus, 1; tobacco, chewing, smoking, and snuff, 2; tools, not elsewhere specified, 1; trunks and valises, 1; umbrellas and canes, 2; watch, clock, and jewelry repairing, 2; woodenware, not elsewhere specified, 2; woolen goods, 1.

RICHMOND, VA.

18,512	7,102,646	1,621	1,438,783	12,047	4,600,289	4,844	1,153,574	14,014,214	27,792,672	1
159	89,712	14	18,700	142	70,012	3	1,000	81,450	222,670	2
115	43,985	45	20,361	67	23,232	3	392	17,593	73,232	3
78	46,363	15	18,300	63	28,063	.....	.....	30,710	106,880	4
215	84,866	103	44,128	88	35,332	24	5,406	50,042	165,307	5
98	66,234	11	15,814	81	47,420	6	3,000	783,202	1,071,680	6
44	22,945	11	10,664	33	12,281	.....	.....	90,035	154,279	7
150	76,090	15	12,974	93	38,059	42	25,057	167,989	282,481	8
166	78,379	41	28,882	121	48,447	4	1,050	189,357	328,169	9
149	47,531	7	5,850	140	40,631	2	1,050	19,220	96,420	10
153	33,039	10	10,200	46	8,254	97	14,585	39,115	91,250	11
800	437,196	104	88,220	674	343,898	22	5,078	479,855	1,249,021	12
181	102,281	23	21,406	158	80,875	.....	.....	121,833	290,158	13
3	1,656	3	1,656	.....	.....	.....	.....	690	4,260	14
258	109,065	46	32,353	63	28,694	149	48,018	77,619	229,360	15
211	45,657	68	21,815	126	22,376	17	1,466	12,169	96,637	16
24	6,788	8	3,140	16	3,648	.....	.....	28,381	46,900	17
27	10,115	9	5,473	16	4,350	2	292	4,591	20,406	18
69	29,869	29	17,109	35	11,710	5	1,050	76,742	125,025	19
111	33,303	9	5,190	22	6,613	80	21,500	56,642	99,900	20
29	12,993	22	11,231	7	1,762	.....	.....	5,317	24,120	21

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

RICHMOND, VA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
22	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	15	$18,200	$20,751	$3,792
23	Dyeing and cleaning	7	10,050	15,728	2,028
24	Fertilizers. (See also Chemicals.)	4	5,000	147,050	10,594
25	Flouring and grist mill products	4	.....	854,946	103,235
26	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	15	92,700	2,363,455	92,333
27	Furnishing goods, men's. (See also Shirts.)	4	31,000	107,370	8,387
28	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	21	29,400	29,915	3,843
29	Furniture, factory product	3	23,325	110,000	6,829
30	Hairwork	4	7,500	10,305	802
31	Hand stamps	3	3,000	10,735	2,657
32	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	22,000	48,894	5,133
33	Leather, tanned and curried	4	26,000	98,531	9,068
34	Lock and gun smithing	8	8,500	7,848	985
35	Looking-glass and picture frames	6	48,000	29,500	5,857
36	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts; Wood, turned and carved.)	9	20,000	372,921	29,985
37	Marble and stone work. (See also Monuments and tombstones.)	6	4,500	78,950	1,504
38	Masonry, brick and stone. (See also Plastering and stuccowork.)	21	9,510	198,110	8,459
39	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	4	11,725	7,256	1,180
40	Millinery, custom work	9	63,000	48,374	6,904
41	Mineral and soda waters. (See also Bottling.)	3	9,500	13,400	2,827
42	Monuments and tombstones. (See also Marble and stone work.)	7	6,400	26,293	1,055
43	Painting and paper hanging	46	46,100	88,019	7,974
44	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	4	11,250	24,139	12,640
45	Paving and paving materials	4	9,650	12,545	5,720
46	Photography	8	43,400	16,320	5,470
47	Plastering and stuccowork. (See also Masonry, brick and stone.)	17	7,350	54,046	2,794
48	Plumbing and gas fitting	28	106,000	315,985	24,427
49	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	21	160,000	372,613	51,988
50	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	25	121,500	237,406	100,248
51	Saddlery and harness	15	43,525	100,867	7,385
52	Sewing machine repairing	3	4,000	2,723	441
53	Soap and candles. (See also Grease and tallow.)	3	4,000	5,925	621
54	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	8	29,400	46,921	4,853
55	Tobacco, chewing, smoking, and snuff	23	395,000	2,450,375	1,271,713
56	Tobacco, cigars and cigarettes	44	105,500	1,639,073	994,834
57	Tobacco, stemming and rehandling	12	150,000	606,889	51,015
58	Watch, clock, and jewelry repairing	31	57,200	80,887	7,275
59	All other industries (*a*)	63	226,980	3,430,162	193,631

a Embraces awnings, tents, and sails, 2; bags, other than paper, 1; baking and yeast powders, 1; bicycle and tricycle repairing, 1; bluing, 1; boxes, cigar, 1; boxes, fancy and paper, 2; brass castings and brass finishing, 1; carriage and wagon materials, 2; carriages and sleds, children's, 1; cars and general shop construction and repairs by steam railroad companies, 2; cheese and butter, urban dairy product, 1; chemicals, 2; cordage and twine, 1; dye stuffs and extracts, 1; electroplating, 1; flavoring extracts, 2; fur goods, 1; gas and lamp fixtures, 1; glue, 1; grease and tallow, 1; ice, artificial, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, forgings, 1; iron and steel, nails and spikes, cut and wrought, including wire

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

RICHMOND, VA.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
31	$8,300	18	$5,000	13	$3,300	.....	.....	$6,240	$28,012	22
35	15,345	7	5,817	28	9,528	.....	.....	4,277	28,150	23
122	38,200	14	15,900	108	22,300	.....	.....	166,500	231,500	24
180	94,025	20	26,450	160	67,575	.....	.....	1,596,325	1,874,624	25
1,329	660,344	50	69,567	1,235	562,893	44	$27,884	935,826	1,867,461	26
232	57,118	10	9,957	27	8,561	195	38,600	129,292	214,560	27
48	23,611	25	13,948	22	9,363	1	300	21,644	60,730	28
102	59,998	16	17,208	86	42,790	.....	.....	46,304	133,724	29
21	5,008	4	2,712	17	2,296	.....	.....	2,218	8,809	30
12	5,276	3	2,840	9	2,436	.....	.....	2,598	12,900	31
71	40,088	7	9,930	64	30,158	.....	.....	45,578	113,400	32
92	45,903	12	15,080	80	30,823	.....	.....	183,789	282,060	33
12	6,607	8	4,215	4	2,392	.....	.....	2,172	10,029	34
29	19,500	12	11,700	17	7,800	.....	.....	17,152	50,500	35
205	108,984	26	26,180	177	81,804	2	1,000	208,568	419,058	36
148	75,500	8	9,600	129	59,800	11	6,100	38,058	134,445	37
452	211,361	28	26,980	419	183,551	5	830	240,064	564,545	38
22	9,361	3	3,600	17	5,436	2	325	18,482	42,560	39
104	24,895	24	9,686	80	15,209	.....	.....	35,447	80,320	40
18	7,690	6	4,150	12	3,540	.....	.....	6,070	18,300	41
24	12,703	8	6,247	13	5,556	3	900	9,080	30,297	42
302	148,650	55	36,954	242	109,906	5	1,790	81,938	280,340	43
19	15,684	13	14,060	6	1,624	.....	.....	7,087	38,619	44
105	38,750	4	4,095	101	34,655	.....	.....	32,767	94,575	45
39	27,298	11	10,768	28	16,530	.....	.....	10,118	55,800	46
233	89,057	22	11,059	183	68,603	28	9,395	72,273	184,409	47
271	172,891	53	55,272	218	117,619	.....	.....	229,815	495,850	48
282	154,598	40	44,264	229	101,340	13	8,994	174,736	441,242	49
216	162,493	51	38,217	120	86,174	45	38,102	57,823	388,270	50
102	55,852	26	24,102	70	29,020	6	2,730	54,697	156,010	51
4	1,928	3	1,408	1	520	.....	.....	415	2,820	52
9	3,092	3	1,660	6	1,432	.....	.....	10,082	18,150	53
61	31,516	12	9,350	46	20,266	3	1,900	40,853	94,799	54
3,436	833,952	97	126,650	1,602	379,072	1,737	328,230	1,833,964	4,598,209	55
2,059	657,559	111	143,969	481	155,800	1,467	357,790	1,330,005	3,372,162	56
827	191,688	33	32,062	467	92,309	327	67,317	1,383,816	1,725,771	57
71	47,398	31	24,626	39	22,522	1	250	12,156	77,839	58
4,147	1,652,356	154	170,034	3,590	1,350,129	493	132,193	2,624,493	4,783,454	59

nails, 2; labels and tags, 1; lime and cement, 1; lithographing and engraving, 1; lumber and other mill products from logs or bolts, 1; models and patterns, 2; musical instruments and materials, not specified, 1; nets and seines, 1; oil, lubricating, 1; optical goods, 1; paints, 1; paper, 2; pickles, preserves, and sauces, 1; printing materials, 1; regalia and society banners and emblems, 2; roofing and roofing materials, 1; safes and vaults, 1; saws, 1; shirts, 2; slaughtering and meat packing, wholesale, 1; surgical appliances, 1; tools, not elsewhere specified, 1; trunks and valises, 1; umbrellas and canes, 1; varnish, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 2.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ROCHESTER, N. Y.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries (a)	1,892	$7,397,018	$46,301,058	$5,613,852
2	Bags, paper	3	$16,975	$36,700	$3,670
3	Baking and yeast powders	3	2,120	8,535	4,200
4	Baskets and rattan and willow ware	5	2,990	59,080	1,400
5	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	67	92,525	154,174	11,201
6	Bookbinding and blank-book making. (See also Printing and publishing.)	5	21,700	36,005	2,888
7	Boot and shoe cut stock	3	39,640	98,100	4,253
8	Boot and shoe uppers	3	6,000	10,600	815
9	Boots and shoes, custom work and repairing	99	136,682	104,487	13,630
10	Boots and shoes, factory product	51	728,938	3,005,087	267,257
11	Boxes, cigar	3	11,325	13,200	2,130
12	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	6	14,506	75,925	4,776
13	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	3	16,680	158,300	7,525
14	Brass castings and brass finishing. (See also Plumbers' supplies.)	5	800	134,019	12,345
15	Bread and other bakery products	50	206,750	308,013	30,220
16	Brooms and brushes	4	7,620	5,065	998
17	Carpentering	143	108,145	1,210,235	88,817
18	Carpets, rag	7	500	10,380	330
19	Carriage and wagon materials	5	60,752	198,100	11,898
20	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	21	91,500	1,372,380	27,759
21	Cheese and butter, urban dairy product	3	2,198	7,361	292
22	Clay and pottery products	4	7,000	442,800	15,710
23	Clothing, men's, custom work and repairing	119	432,695	757,446	137,223
24	Clothing, men's, factory product	192	951,830	6,146,333	1,425,587
25	Clothing, men's, factory product, buttonholes	10	11,750	8,975	4,073
26	Clothing, women's, dressmaking	147	207,780	89,405	21,191
27	Clothing, women's, factory product	7	113,120	159,430	11,901
28	Coffee and spice, roasting and grinding	4	54,612	106,200	9,164
29	Confectionery	15	232,310	180,200	20,105
30	Cooperage	15	19,870	129,870	8,047
31	Corsets	5	14,300	19,910	3,613
32	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	8	19,140	264,830	10,475
33	Dentistry, mechanical	11	41,980	27,465	3,893
34	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	8	11,647	47,425	1,772
35	Dyeing and cleaning	5	29,450	73,465	9,337
36	Electric light and power	3	8,400	1,292,120	24,867
37	Electroplating	4	5,250	8,825	629
38	Engraving, wood	3	4,750	5,425	794
39	Flouring and grist mill products	17	63,322	1,395,232	89,817
40	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	53	358,820	2,719,827	240,567
41	Fur goods. (See also Hats and caps, not including wool hats.)	8	81,412	166,800	9,600
42	Furnishing goods, men's. (See also Shirts.)	9	82,000	273,350	19,240
43	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	17	23,140	22,090	3,883
44	Furniture, chairs	6	116,500	351,068	33,573
45	Furniture, factory product	17	142,965	908,968	58,930
46	Hairwork	6	41,307	15,785	4,494
47	Hand stamps	4	10,691	23,450	1,140
48	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	5	13,075	385,273	24,235
49	Hats and caps, not including wool hats. (See also Fur goods.)	4	10,661	2,781	710
50	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	6	49,540	115,135	17,132
51	Jewelry. (See also Watch, clock, and jewelry repairing.)	4	80,000	118,500	6,872
52	Kindling wood	3	3,100	4,190	680
53	Lamps and reflectors	4	41,330	265,650	6,398
54	Lasts	3	18,235	24,830	3,276
55	Liquors, malt	10	2,370	6,455,414	1,027,532
56	Lithographing and engraving. (See also Photolithographing and engraving; Printing and publishing.)	3	41,075	359,200	19,375

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Rochester. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—*Continued.*

ROCHESTER, N. Y.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		*Pieceworkers.*		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	*Number.*	Wages.			
32,720	$16,819,566	3,758	$3,674,609	22,028	$10,714,449	6,934	$2,430,508	$33,320,398	$65,091,156	1
19	10,208	5	4,500	14	5,708	.....	.....	70,706	89,100	2
9	5,220	4	3,240	5	1,980	.....	.....	34,350	62,000	3
131	26,315	5	2,950	23	8,740	103	14,625	15,979	67,359	4
205	135,562	77	59,200	125	75,987	3	375	53,305	247,246	5
53	24,138	8	7,630	45	16,508	.....	.....	19,097	50,300	6
73	26,035	4	5,740	63	18,816	6	1,479	158,845	222,200	7
13	7,760	3	2,600	10	5,160	.....	.....	20,087	35,600	8
169	84,200	84	46,236	66	29,214	19	8,750	56,740	178,308	9
4,613	1,913,625	245	277,879	1,077	417,048	3,291	1,218,698	3,469,823	6,489,382	10
30	12,248	4	3,450	17	5,548	9	3,250	20,465	42,100	11
202	47,451	8	8,710	24	7,171	170	31,570	48,588	110,000	12
115	56,100	10	13,800	105	42,300	.....	.....	123,850	212,400	13
142	73,466	8	10,000	134	63,466	.....	.....	89,446	202,736	14
329	171,033	103	66,317	226	104,716	.....	.....	424,584	756,577	15
15	7,750	4	2,312	8	3,638	3	1,800	14,915	26,500	16
1,917	1,275,306	178	179,601	1,731	1,093,215	8	2,490	2,020,727	3,825,505	17
9	3,482	8	3,300	1	182	.....	.....	2,007	6,185	18
170	77,488	13	11,950	77	41,938	80	23,600	105,487	229,263	19
640	389,306	58	72,770	566	308,536	16	8,000	235,404	759,918	20
11	3,720	6	1,920	5	1,800	.....	.....	12,886	18,340	21
142	73,149	13	11,650	125	60,499	4	1,000	60,245	222,400	22
835	412,747	161	157,637	205	120,835	379	134,275	536,960	1,289,135	23
3,123	1,561,660	372	434,889	2,420	997,307	331	129,464	4,972,945	9,133,562	24
69	24,048	13	8,548	56	15,500	.....	.....	996	33,075	25
467	153,272	155	80,694	308	72,203	4	375	36,330	238,233	26
331	82,674	19	16,670	43	13,504	269	52,500	212,358	405,400	27
59	33,597	17	17,807	42	15,790	.....	.....	178,595	253,000	28
243	92,640	37	28,526	177	54,314	29	9,800	260,154	487,700	29
216	101,667	12	10,360	114	54,903	90	36,404	169,720	301,531	30
39	12,372	6	4,420	15	4,352	18	3,600	26,330	71,100	31
110	54,286	14	13,722	76	34,572	26	5,992	36,787	133,110	32
19	17,080	11	12,200	8	4,880	.....	.....	6,159	41,700	33
17	6,550	10	3,972	7	2,578	.....	.....	5,400	16,700	34
53	25,038	15	9,800	30	11,910	8	3,328	7,140	68,900	35
93	64,780	7	8,260	86	56,520	.....	.....	51,227	264,542	36
13	6,350	4	2,150	9	4,200	.....	.....	1,680	10,900	37
12	8,142	5	4,600	7	3,542	.....	.....	1,420	11,900	38
231	161,489	48	59,135	183	102,354	.....	.....	3,920,734	4,608,226	39
1,623	1,069,337	146	168,478	1,344	815,579	133	70,286	1,005,385	2,944,049	40
110	49,530	16	14,350	94	35,180	.....	.....	194,188	309,000	41
230	103,250	30	42,120	180	57,130	20	4,000	241,690	477,000	42
54	26,248	18	10,456	31	13,872	5	1,920	29,782	71,300	43
435	177,400	23	26,612	412	150,788	.....	.....	291,467	583,500	44
803	379,546	45	40,296	732	326,900	26	12,350	422,678	1,018,772	45
14	8,290	6	4,490	8	3,800	.....	.....	6,748	23,925	46
22	11,965	4	3,780	18	8,185	.....	.....	3,858	27,290	47
283	144,611	14	15,268	209	105,943	60	23,400	98,978	308,527	48
10	3,410	5	2,400	3	460	2	550	2,360	7,863	49
164	93,750	14	15,610	150	78,140	.....	.....	119,482	256,500	50
27	20,510	14	13,102	10	5,508	3	1,960	67,175	126,000	51
11	4,550	3	2,200	8	2,350	.....	.....	6,345	14,350	52
301	140,784	17	24,044	284	116,740	.....	.....	189,552	406,307	53
38	30,700	5	5,390	18	9,126	15	16,184	7,065	50,000	54
434	381,177	80	138,067	354	243,110	.....	.....	1,172,000	3,064,930	55
174	98,050	21	18,440	136	72,010	17	7,600	130,635	301,870	56

exactly locate its operations within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ROCHESTER, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
57	Lock and gun smithing	3	$21,200	$13,500	$5,245
58	Looking-glass and picture frames	13	110,920	203,795	13,649
59	Lumber and other mill products from logs or bolts	8	14,875	497,650	9,972
60	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	32	132,413	1,099,255	52,779
61	Marble and stone work. (See also Monuments and tombstones.)	5	20,460	177,293	6,466
62	Masonry, brick and stone	62	20,440	1,014,837	39,284
63	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	3	24,100	38,470	4,200
64	Millinery, custom work	26	135,210	101,535	12,542
65	Mineral and soda waters	9	22,350	101,935	12,330
66	Models and patterns	5	6,550	17,835	1,200
67	Monuments and tombstones. (See also Marble and stone work.)	8	19,730	188,575	4,560
68	Painting and paper hanging	74	165,844	275,144	26,251
69	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	10	37,665	1,207,158	492,156
70	Paving and paving materials	6	15,571	319,091	10,338
71	Perfumery and cosmetics. (See also Druggists' p eparations, not including prescriptions.)	7	17,000	400,037	35,021
72	Photography	19	119,000	75,495	11,137
73	Plumbing and gas fitting	26	98,971	482,786	35,806
74	Printing and publishing, book and job. (See also Bookbinding and blank-book making; Printing and publishing, music.)	33	160,261	803,990	34,298
75	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	16	174,831	394,434	91,845
76	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron-working.)	6	14,580	21,250	2,284
77	Saddlery and harness	24	65,611	229,030	10,317
78	Sausage	7	26,220	67,050	5,084
79	Soap and candles. (See also Grease and tallow.)	4	3,150	120,200	4,709
80	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	50	161,399	331,062	28,312
81	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	63	87,790	1,026,100	443,629
82	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	4	4,295	271,450	9,195
83	Trunks and valises. (See also Leather goods.)	3	21,500	143,336	3,980
84	Watch, clock, and jewelry repairing. (See also Jewelry.)	19	95,786	120,785	7,796
85	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	3	15,284	15,930	2,123
86	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	6	6,011	11,725	1,008
87	All other industries (a)	110	664,228	6,156,837	423,602

a Embraces agricultural implements, 1; artificial feathers and flowers, 2; artificial limbs, 2; awnings, tents, and sails, 2; belting and hose, leather, 1; bicycles and tricycles, 1; billiard tables and materials, 2; blacking, 1; boot and shoe findings, 1; bridges, 1; buttons, 1; 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, 1; chemicals, 1; china, decorating, 1; coffins and burial cases, trimming and finishing, 1; coffins, burial cases, and undertakers' goods, 2; cotton goods, 2; dentists' materials, 2; electrical apparatus and supplies, 2; engraving and diesinking, 2; fancy articles, not elsewhere specified, 1; fertilizers, 1; files, 2; fireworks, 1; food preparations, 1; fruits and vegetables, canning and preserving, 2; glass, 1; gloves and mittens, 1; gold and silver, leaf and foil, 1; grease and tallow, 1; hooks and eyes, 1; hosiery and knit goods, 2; house furnishing goods, not elsewhere specified, 1; ink, writing, 1; instruments, professional and scientific, 2; iron and steel, forgings, 1; japanning, 1; labels and tags, 1; lead, bar, pipe, and

ROCKFORD, ILL.

1	All industries	246	855,522	7,715,069	549,317
2	Agricultural implements	10	2,850	1,456,798	90,402
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	8	9,400	18,650	1,082
4	Boots and shoes, custom work and repairing	6	7,368	1,235	669
5	Boots and shoes, factory product	3	21,900	140,888	11,763
6	Bread and other bakery products	8	45,500	44,050	6,044
7	Carpentering	17	19,700	46,364	14,290
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	11,575	20,450	1,755
9	Clothing, men's, custom work and repairing	12	54,940	47,881	4,643
10	Clothing, men's, factory product	3	8,500	165,950	8,566
11	Clothing, women's, dressmaking	10	25,530	1,570	1,817

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

ROCHESTER, N. Y.—*Continued.*

Average number of employés and total wages.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, *including* receipts from custom work and *repairing*.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
16	$11,000	5	$5,000	11	$6,000	.....	.....	$33,872	$52,500	57
410	213,410	41	33,970	348	164,040	21	$15,400	209,198	517,000	58
197	101,504	14	15,568	167	75,596	16	10,340	166,655	318,100	59
728	406,890	75	78,982	651	327,108	2	800	731,954	1,413,745	60
337	157,010	15	12,216	68	43,556	254	101,238	124,639	351,986	61
1,898	1,205,874	82	86,151	1,816	1,119,723	.....	.....	1,813,735	3,370,265	62
47	22,164	8	10,134	19	6,230	20	5,800	55,031	96,495	63
123	57,504	36	24,750	87	32,754	.....	.....	105,738	208,399	64
52	27,076	17	11,670	35	15,406	.....	.....	24,421	94,679	65
18	17,042	7	8,100	10	7,902	1	1,040	7,508	40,900	66
51	35,676	11	11,950	40	23,726	.....	.....	38,549	101,000	67
485	312,699	101	86,725	376	224,724	8	1,250	271,283	667,620	68
174	86,684	71	53,282	62	23,522	41	9,880	416,338	1,363,625	69
607	277,406	17	16,770	590	260,636	.....	.....	161,555	531,000	70
108	74,291	42	51,075	66	23,216	.....	.....	187,100	415,000	71
78	42,228	26	21,070	44	19,145	8	2,013	23,547	107,310	72
406	230,739	63	60,172	342	170,267	1	300	575,644	925,314	73
387	217,866	67	63,350	285	133,596	35	20,920	271,309	664,800	74
535	304,041	47	55,906	385	179,735	103	68,400	183,179	736,096	75
51	32,580	7	6,650	44	25,930	.....	.....	42,520	106,100	76
118	67,722	30	23,055	61	25,539	27	18,528	123,698	238,467	77
34	18,202	11	6,100	23	12,102	.....	.....	84,630	121,287	78
26	16,060	10	8,820	16	7,240	.....	.....	32,100	65,200	79
338	193,227	81	63,518	256	129,609	1	100	271,892	613,927	80
874	303,778	87	75,759	369	107,549	418	120,470	691,349	1,607,131	81
89	50,910	9	10,100	80	40,810	.....	.....	25,579	110,500	82
75	45,572	7	8,360	39	22,211	29	15,001	70,473	152,500	83
59	39,333	19	13,704	40	25,629	.....	.....	53,600	116,742	84
19	10,550	6	3,950	13	6,600	.....	.....	12,143	46,200	85
26	17,616	6	5,378	20	12,238	.....	.....	4,113	29,100	86
4,675	2,246,850	525	527,526	3,351	1,515,861	799	203,463	4,975,187	8,694,151	87

sheet, 1; leather goods, 1; leather, morocco, 1; leather, tanned and curried, 2; lime and cement, 2; liquors, vinous, 1; malt, 2; mantels, slate, marble, and marbleized, 1; millinery and lace goods, 1; mucilage and paste, 1; optical goods, 1; paints, 1; paper, 1; petroleum, refining, 1; photographic apparatus, 2; photographic materials, 1; pickles, preserves, and sauces, 2; plumbers' supplies, 1; printing and publishing, music, 1; printing materials, 1; pumps, not including steam pumps, 2; saws, 1; scales and balances, 1; screws, machine, 1; sewing machine repairing, 1; shirts, 1; show cases, 2; silk and silk goods, 1; sporting goods, 2; stamped ware, 1; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 1; taxidermy, 2; timber products, not manufactured at mill, 1; tobacco, chewing, smoking, and snuff, 2; typewriters and supplies, 2; umbrellas and canes, 2; upholstery materials, 1; vinegar and cider, 1; washing machines and clothes wringers, 1; whips, 2; woolen goods, 1.

ROCKFORD, ILL.

5,223	2,474,703	356	308,607	4,399	2,002,441	468	163,655	4,248,001	8,888,904	1
389	241,910	45	42,989	323	188,894	21	10,027	299,492	776,862	2
21	13,368	7	5,148	14	8,220	.....	.....	6,010	30,500	3
12	4,740	5	1,840	7	2,900	.....	.....	1,770	9,300	4
157	66,095	7	7,699	147	57,496	3	900	121,720	225,580	5
80	48,072	20	15,698	60	32,374	.....	.....	109,454	202,468	6
184	95,463	6	3,659	178	91,804	.....	.....	173,406	336,475	7
37	16,470	1	750	36	15,720	.....	.....	12,100	41,500	8
77	41,040	5	4,570	36	19,353	36	17,117	35,448	103,032	9
209	59,172	6	4,580	116	41,774	87	12,818	186,504	317,500	10
46	8,580	4	972	42	7,608	.....	.....	2,690	16,560	11

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ROCKFORD, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
12	Coffins and burial cases, trimming and finishing	3	$17,100	$7,850	$1,636
13	Confectionery	3	10,000	10,150	1,070
14	Flouring and grist mill products	3	31,300	160,050	11,399
15	Foundry and machine shop products	11	141,400	383,710	36,425
16	Furniture, factory product. (See also Furniture, cabinetmaking, repairing and upholstering; Furniture, chairs.)	9	46,500	850,141	47,241
17	Hosiery and knit goods. (See also Cotton goods; Gloves and mittens; Woolen goods.)	3	75,000	742,086	30,232
18	Masonry, brick and stone. (See also Plastering and stuccowork.)	13	10,250	39,345	2,449
19	Millinery, custom work	9	41,050	16,290	3,229
20	Monuments and tombstones	3	2,250	16,015	786
21	Painting and paper hanging	7	20,408	18,335	2,717
22	Paving and paving materials	3	.....	8,300	383
23	Photography	5	27,300	9,125	2,432
24	Plastering and stuccowork. (See also Masonry, brick and stone.)	3	4,250	875	485
25	Plumbing and gas fitting	5	14,040	53,300	2,647
26	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making; Printing and publishing, book and job.)	11	51,485	94,300	22,524
27	Saddlery and harness	5	3,954	37,825	1,077
28	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	6	12,665	12,900	1,773
29	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	3	5,524	4,435	2,079
30	Watch, clock, and jewelry repairing	8	14,000	4,450	1,031
31	Wire-work, including wire rope and cable	3	5,375	22,900	755
32	All other industries (*a*)	49	114,408	3,278,851	235,916

a Embraces axle grease, 1; blacking, 1; bookbinding and blank-book making, 1; boxes, fancy and paper, 1; brass castings and brass finishing, 1; bridges, 1; coffins, burial cases, and undertakers' goods, 1; cooperage, 1; cotton goods, 1; dentistry, mechanical, 1; dyeing and cleaning, 2; electroplating, 1; food preparations, 1; fruits and vegetables, canning and preserving, 1; furnishing goods, men's, 1; furniture, cabinetmaking, repairing and upholstering, 1; furniture, chairs, 1; gas, illuminating and heating, 1; gloves and mittens, 1; glucose, 1; hand stamps, 1; hardware, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; leather, tanned and

SACRAMENTO, CAL.

1	All industries	302	762,025	5,054,782	439,227
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	19	30,960	55,875	6,461
3	Boots and shoes, custom work and repairing	22	20,985	17,795	3,089
4	Bread and other bakery products	12	31,150	77,920	7,988
5	Brick and tile. (See also Clay and pottery products.)	3	.....	26,850	1,673
6	Carpentering	23	18,200	39,375	51,829
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	7	39,000	211,078	9,573
8	Clothing, men's, custom work and repairing	13	45,900	62,535	7,547
9	Clothing, women's, dressmaking	14	24,715	9,080	3,162
10	Coffins and burial cases, trimming and finishing	3	8,500	14,875	3,140
11	Confectionery	6	46,200	84,408	15,843
12	Dentistry, mechanical	3	900	1,585	158
13	Flouring and grist mill products	3	.....	668,000	25,354
14	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	6	4,000	114,428	3,873
15	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	6	10,200	11,150	2,073
16	Liquors, malt	5	86,240	379,475	87,139
17	Lock and gun smithing	3	800	5,550	341
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	3	1,800	68,300	4,325
19	Masonry, brick and stone. (See also Plastering and stuccowork.)	5	1,600	15,295	1,332
20	Millinery, custom work	6	20,520	48,030	8,743
21	Painting and paper hanging	11	11,075	36,990	2,511
22	Paving and paving materials	3	4,100	2,600	1,001
23	Photography	7	40,400	16,450	4,493
24	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	3	8,500	7,750	1,307
25	Plastering and stuccowork. (See also Masonry, brick and stone.)	3	4,400	2,700	548
26	Plumbing and gas fitting	10	28,475	59,810	6,920

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

ROCKFORD, ILL.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
8	$4,668	3	$2,248	5	$2,420	.....	.....	$3,695	$15,000	12
13	7,790	6	4,110	7	3,680	.....	.....	15,980	32,186	13
38	21,023	4	3,960	34	17,063	.....	.....	241,318	297,847	14
337	170,106	24	22,480	313	147,626	.....	.....	149,440	481,915	15
981	457,636	26	20,654	853	389,602	102	$56,380	385,693	1,084,993	16
768	245,393	20	19,499	623	198,079	125	27,815	544,666	1,026,221	17
183	94,873	7	4,190	176	90,683	.....	.....	134,408	268,866	18
29	7,023	5	2,071	24	4,952	.....	.....	16,060	33,150	19
11	11,620	4	5,960	7	5,660	.....	.....	29,055	54,000	20
63	31,880	6	3,650	57	28,230	.....	.....	29,589	84,300	21
15	5,544	4	2,027	11	3,517	.....	.....	5,455	14,500	22
15	8,766	6	3,984	9	4,782	.....	.....	6,830	22,892	23
12	5,981	2	1,440	10	4,541	.....	.....	3,692	14,100	24
47	28,915	7	7,165	40	21,750	.....	.....	40,125	87,900	25
132	74,774	21	18,964	84	39,961	27	15,849	29,361	162,561	26
17	8,829	3	1,865	14	6,964	.....	.....	8,385	21,700	27
22	14,392	4	3,780	18	10,612	.....	.....	19,807	45,722	28
12	6,823	1	552	8	4,271	3	2,000	7,047	16,847	29
11	6,004	4	2,004	7	4,000	.....	.....	1,441	12,362	30
13	5,414	3	1,874	10	3,540	.....	.....	21,126	32,000	31
1,284	602,339	90	88,225	1,130	553,365	64	20,749	1,606,234	3,020,065	32

carried, 1; lime and cement, 1; liquors, malt, 1; lock and gun smithing, 1; lumber, planing mill products, including sash, doors, and blinds, 1; mineral and soda waters, 2; paints, 1; paper, 1; patent medicines and compounds, 2; photographic materials, 1; printing and publishing, book and job, 1; pumps, not including steam pumps, 2; roofing and roofing materials, 1; soap and candles, 2; tobacco, chewing, smoking, and snuff, 1; tools, not elsewhere specified, 1; watch cases, 1; watches, 1; windmills, 1; woolen goods, 1.

SACRAMENTO, CAL.

4,510	2,967,954	324	315,085	3,443	2,459,316	743	193,553	6,033,317	10,424,582	1
58	47,755	13	14,049	45	33,706	.....	.....	27,826	99,360	2
29	17,342	14	8,991	9	5,207	6	3,144	11,523	37,068	3
60	46,878	9	9,240	51	37,638	.....	.....	84,603	167,250	4
48	16,472	2	1,430	20	9,162	26	5,880	21,600	49,500	5
178	153,547	13	14,834	165	138,713	.....	.....	331,729	579,221	6
65	46,797	6	6,160	59	40,697	.....	.....	34,938	109,663	7
75	61,573	13	15,095	29	21,770	33	24,708	59,856	147,590	8
121	52,741	12	7,259	109	45,482	.....	.....	2,895	69,582	9
10	11,520	3	3,900	7	7,620	.....	.....	14,700	33,400	10
84	37,952	12	9,750	72	28,202	.....	.....	59,288	141,895	11
3	2,060	3	2,060	.....	.....	.....	.....	525	3,000	12
73	61,341	18	23,580	55	37,761	.....	.....	1,262,660	1,525,460	13
104	93,369	7	9,400	96	83,819	1	150	77,113	199,968	14
16	14,900	2	1,600	14	13,300	.....	.....	10,232	36,012	15
74	61,449	9	11,682	65	49,767	.....	.....	92,871	283,696	16
7	6,652	3	3,220	4	3,432	.....	.....	1,491	10,120	17
56	44,663	8	9,010	48	35,653	.....	.....	34,245	91,985	18
93	58,080	2	1,900	91	56,180	.....	.....	116,405	199,210	19
45	22,600	6	5,448	39	17,152	.....	.....	41,330	90,330	20
50	43,034	8	6,826	42	36,208	.....	.....	16,658	74,350	21
18	14,225	3	2,145	15	12,080	.....	.....	22,750	42,900	22
26	19,560	5	5,090	21	14,470	.....	.....	24,810	80,530	23
13	7,602	4	2,960	7	3,442	2	1,200	14,337	28,250	24
20	20,350	.....	.....	16	16,350	4	4,000	19,767	44,450	25
73	60,100	9	10,420	64	49,680	.....	.....	65,573	159,500	26

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SACRAMENTO, CAL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
27	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	4	$19,570	$27,250	$3,680
28	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	5	38,570	98,856	67,766
29	Saddlery and harness	10	17,915	103,251	8,019
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	7	9,415	25,725	3,285
31	Tobacco, cigars and cigarettes	9	15,800	8,310	6,027
32	Watch, clock, and jewelry repairing. (See also Jewelry.)	11	21,300	11,600	2,853
33	All other industries (a)	57	150,835	3,341,926	87,183

a Embraces agricultural implements, 2; baskets and rattan and willow ware, 1; bookbinding and blank-book making, 1; boxes, wooden packing, 2; brooms and brushes, 2; carpets, rag, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 1; clay and pottery products, 1; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 2; cooperage, 1; dyeing and cleaning, 2; engraving, wood, 1; fancy articles, not elsewhere specified, 2; flavoring extracts, 1; fruits and vegetables, canning and preserving, 2; furnishing goods, men's, 2; furniture, factory product, 2; gas, illuminating and heating, 1; gas machines and meters, 1; gloves and mittens, 1; grease and

SAGINAW, MICH.

1	All industries (a)	335	792,746	12,406,823	667,399
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	26	14,240	65,170	2,893
3	Boots and shoes, custom work and repairing	14	15,200	16,160	1,496
4	Bottling. (See also Liquors, malt; Mineral and soda waters.)	3	.....	70,635	9,348
5	Bread and other bakery products	10	37,200	50,525	6,954
6	Carpentering	12	3,700	51,100	1,525
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	7	1,200	79,579	2,503
8	Clothing, men's, custom work and repairing	20	69,825	132,520	11,117
9	Clothing, women's, dressmaking	11	25,975	13,675	2,688
10	Cooperage	4	400	12,805	650
11	Dyeing and cleaning	3	12,700	2,750	1,290
12	Flouring and grist mill products	4	25,575	271,648	23,976
13	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	10	1,670	1,113,019	78,503
14	Furniture, cabinetmaking, repairing and upholstering	5	35,660	22,625	4,512
15	Furniture, factory product	4	3,000	254,675	14,181
16	Liquors, malt. (See also Bottling.)	5	25,000	205,300	48,081
17	Lock and gun smithing	3	5,550	7,500	527
18	Lumber and other mill products from logs or bolts	24	121,000	6,588,848	255,441
19	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	7	.....	997,055	41,440
20	Masonry, brick and stone. (See also Plastering and stucco work.)	8	.....	100,190	2,565
21	Millinery, custom work	11	37,500	27,040	3,927
22	Painting and paper hanging	7	23,040	25,995	3,042
23	Paving and paving materials	3	1,525	34,450	940
24	Photography	4	15,250	14,765	1,470
25	Plumbing and gas fitting	6	23,000	27,500	2,643
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	3	28,000	40,300	4,415
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	9	38,700	88,900	15,332
28	Saddlery and harness	9	13,645	36,185	2,089
29	Salt	30	.....	797,727	44,166
30	Tinsmithing, coppersmithing, and sheet-iron working	12	13,450	26,325	2,413
31	Tobacco, cigars and cigarettes	16	27,635	38,230	13,346
32	Watch, clock, and jewelry repairing	7	13,100	3,875	1,270
33	All other industries (b)	38	160,000	1,189,653	62,656

a Excludes returns from manufacturers of "Timber products, not manufactured at mill" having offices in Saginaw. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to exactly locate its operations within the limits of a county or municipality. The totals of such reports obtained in Saginaw are as follows: number of establishments reporting, 25; capital, direct investment, $5,253,307; miscellaneous expenses, $689,413; average number of employés, 3,226; total wages, $724,304; cost of materials used, $851,965; value of products, $2,271,271.

b Embraces awnings, tents, and sails, 1; bookbinding and blank-book making, 2; boxes, cigar, 1; cars and general shop

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SACRAMENTO, CAL.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
30	$26,478	5	$6,300	23	$17,994	2	$2,184	$13,340	$46,900	27
107	115,517	16	20,537	50	55,195	41	39,785	41,677	252,610	28
137	98,559	9	8,692	50	30,669	78	59,198	94,120	225,279	29
26	18,374	3	2,490	23	15,884	.....	.....	16,483	46,360	30
28	13,060	1	1,000	17	9,200	10	2,860	15,621	39,163	31
20	15,816	5	3,892	15	11,924	.....	.....	6,155	32,650	32
2,763	1,657,588	101	86,185	2,122	1,520,959	540	50,444	3,396,196	5,477,360	33

tallow, 1; hand stamps, 1; hardware, saddlery, 2; iron and steel, 1; ironwork, architectural and ornamental, 1; jewelry, 1; looking-glass and picture frames, 2; malt, 1; marble and stone work, 1; mattresses and spring beds, 1; mineral and soda waters, 1, monuments and tombstones, 2; patent medicines and compounds, 1; roofing and roofing materials, 1; shirts, 2; slaughtering and meat packing, wholesale, 1; slaughtering, wholesale, not including meat packing, 1; soap and candles, 1; trunks and valises, 1; upholstery materials, 1; wood, turned and carved, 2.

SAGINAW, MICH.

5,716	2,653,135	411	381,512	4,834	2,081,376	471	190,247	6,587,763	11,363,006	1
81	52,495	18	12,494	63	40,001	.....	.....	24,552	91,806	2
32	15,785	9	4,195	19	9,626	4	1,964	12,099	34,995	3
17	9,215	2	1,420	15	7,795	.....	.....	74,285	106,800	4
56	25,038	15	7,752	41	17,286	.....	.....	62,424	113,004	5
131	78,140	7	7,075	124	71,065	.....	.....	98,152	208,814	6
64	38,453	7	6,739	56	30,514	1	1,200	33,875	85,168	7
175	101,632	22	19,350	75	39,574	78	42,708	121,520	267,478	8
82	26,155	4	2,400	77	23,705	1	50	22,350	76,100	9
16	7,536	4	2,136	3	1,320	9	4,080	13,187	23,589	10
13	6,500	3	2,200	10	4,300	.....	.....	1,900	10,700	11
73	30,939	8	6,850	65	24,089	.....	.....	405,396	478,676	12
465	296,771	36	41,572	429	255,199	.....	.....	310,697	814,098	13
23	12,310	1	780	22	11,530	.....	.....	5,195	22,419	14
276	110,811	17	18,000	234	85,061	25	7,750	70,637	221,905	15
52	37,594	7	7,424	45	30,170	.....	.....	62,655	199,192	16
6	3,000	1	364	5	2,636	.....	.....	915	5,580	17
1,591	566,873	41	50,328	1,428	478,642	122	37,903	2,438,296	3,794,605	18
685	305,205	43	46,248	633	254,957	9	4,000	1,155,110	1,636,950	19
152	100,330	9	13,100	133	84,880	10	2,350	145,952	270,600	20
66	20,255	14	6,908	52	13,347	.....	.....	25,336	55,135	21
70	38,800	4	3,325	66	35,475	.....	.....	26,271	77,200	22
73	20,578	3	3,060	70	17,518	.....	.....	26,530	55,019	23
13	8,150	5	4,750	7	3,200	1	200	5,450	16,000	24
52	31,576	5	3,766	47	27,810	.....	.....	30,120	78,800	25
42	26,100	6	6,700	36	19,400	.....	.....	9,650	45,000	26
176	73,467	21	17,304	121	30,679	34	25,484	31,058	143,183	27
31	18,492	10	7,438	21	11,054	.....	.....	15,208	40,050	28
329	121,820	9	7,300	213	80,146	107	34,374	162,988	435,798	29
43	25,986	6	4,220	37	21,766	.....	.....	28,580	64,428	30
91	41,229	11	7,368	37	15,105	43	18,756	35,803	97,477	31
15	8,620	8	4,600	7	4,020	.....	.....	2,400	12,080	32
725	393,280	55	54,346	643	329,506	27	9,428	1,129,172	1,719,448	33

construction and repairs by steam railroad companies, 2; chemicals, 1; clay and pottery products, 1; confectionery, 1; cutlery and edge tools, 1; files, 1; furnishing goods, men's, 1; gas, illuminating and heating, 2; ironwork, architectural and ornamental, 2; leather, tanned and curried, 1; lime and cement, 2; looking-glass and picture frames, 1; marble and stone work, 2; mineral and soda waters, 2; monuments and tombstones, 1; plastering and stuccowork, 1; pumps, not including steam pumps, 1; rules, ivory and wood, 1; saws, 1; shipbuilding, 2; shirts, 1; soap and candles, 1; tools, not elsewhere specified, 2; trunks and valises, 1; umbrellas and canes, 1; wood, turned and carved, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPUJ TION

ST. JOSEPH, MO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	276	$1,217,190	$5,230,697	$496,472
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	11	15,612	34,023	2,546
3	Boots and shoes, custom work and repairing	10	28,606	3,085	2,367
4	Bread and other bakery products	9	21,750	168,125	15,609
5	Brick and tile	11	12,555	234,630	11,705
6	Carpentering	12	18,687	72,560	1,644
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	8	51,150	81,231	7,804
8	Clothing, men's, custom work and repairing	11	71,637	52,105	8,982
9	Clothing, men's, factory product	5	87,310	437,860	21,267
10	Clothing, women's, dressmaking	20	41,650	16,270	3,477
11	Cooperage	5	1,000	81,985	4,121
12	Flouring and grist mill products	5	20,650	577,813	45,068
13	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	3	21,400	118,360	13,618
14	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture factory product; Mattresses and spring beds.)	4	15,535	4,670	1,306
15	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	4	19,062	94,675	27,285
16	Liquors, malt. (See also Bottling.)	4	20,750	362,807	61,977
17	Looking-glass and picture frames	4	20,026	11,875	2,452
18	Lumber and other mill products from logs or bolts	3	700	12,737	754
19	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	6	18,520	139,300	6,310
20	Masonry, brick and stone. (See also Plastering and stuccowork.)	4	2,250	21,420	1,680
21	Millinery, custom work	7	27,517	29,375	3,958
22	Monuments and tombstones. (See also Marble and stone work.)	3	5,187	12,060	1,260
23	Painting and paper hanging	5	14,117	6,600	1,249
24	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	4	25,214	47,063	29,560
25	Photography	4	16,000	7,850	1,130
26	Plastering and stuccowork. (See also Masonry, brick and stone.)	3	3,750	2,590	300
27	Plumbing and gas fitting	3	26,909	30,600	2,591
28	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	94,642	160,311	17,168
29	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	9	82,657	97,060	25,540
30	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	6	17,742	28,950	6,333
31	Saddlery and harness	8	24,707	153,145	3,065
32	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	4	10,625	46,500	3,070
33	Tobacco, cigars and cigarettes	11	29,906	22,025	9,619
34	Watch, clock, and jewelry repairing	6	14,550	2,440	1,193
35	All other industries (a)	56	334,757	2,058,657	150,784

a Embraces agricultural implements, 1; awnings, tents, and sails, 1; baking and yeast powders, 1; bookbinding and blank-book making, 1; boot and shoe uppers, 2; boots and shoes, factory product, 2; bottling, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brooms and brushes, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 2; cheese and butter, urban dairy product, 1; coffee and spice, roasting and grinding, 2; coffins and burial cases, trimming and finishing, 1; confectionery, 2; cordials and sirups, 1; druggists' preparations, not including prescriptions, 1; dyeing and cleaning, 2; engraving, wood, 1; fruits and vegetables, canning and preserving, 1; furnishing goods,

ST. LOUIS, MO.

1	All industries (a)	6,148	29,097,245	141,872,386	17,734,350
2	Agricultural implements	4	120,000	686,484	66,221
3	Artificial limbs. (See also Surgical appliances.)	3	11,400	2,650	1,765
4	Awnings, tents, and sails	15	150,625	323,450	53,304
5	Babbitt metal and solder	5	8,600	341,400	19,832
6	Bags, paper	3	85,280	174,425	14,535
7	Baking and yeast powders	14	99,800	373,181	18,490
8	Baskets and rattan and willow ware	15	21,501	57,104	3,293
9	Bellows	3	33,000	20,225	1,715
10	Bicycle and tricycle repairing	5	12,850	4,905	1,202
11	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	219	379,975	406,121	44,984

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in St. Louis. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

ST. JOSEPH, MO.

Average number of employés and total wages.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
5,026	$2,351,691	447	$381,460	3,082	$1,466,605	1,497	$503,626	$7,898,353	$11,916,141	1
33	21,759	12	9,299	21	12,460	.....	.....	7,037	34,450	2
13	6,171	7	3,103	6	3,068	.....	.....	4,830	14,650	3
65	28,646	8	6,800	57	21,846	.....	.....	120,455	179,250	4
384	123,327	8	8,200	220	66,407	156	48,720	48,642	229,813	5
111	78,066	2	1,248	109	76,818	.....	.....	101,200	258,300	6
83	47,921	14	12,580	62	32,541	7	2,800	48,944	127,721	7
92	62,772	14	11,048	11	8,190	67	43,534	56,578	147,077	8
1,017	291,050	23	26,200	125	48,938	869	215,912	737,210	1,125,870	9
142	46,224	.....	.....	142	46,224	.....	.....	84,000	155,300	10
82	54,834	6	5,100	54	31,072	22	18,662	68,105	167,774	11
123	70,284	20	25,615	72	40,969	22	3,700	1,343,494	1,611,620	12
66	42,638	3	2,340	63	39,598	.....	.....	94,725	167,600	13
9	4,532	2	1,020	7	3,512	.....	.....	4,025	12,100	14
107	58,195	5	4,180	87	45,215	15	8,800	75,940	205,320	15
96	72,838	14	15,880	82	56,958	.....	.....	115,951	297,819	16
12	8,250	8	6,100	4	2,150	.....	.....	10,112	21,300	17
12	2,120	.....	.....	12	2,120	.....	.....	7,185	16,660	18
152	98,190	8	7,368	144	90,822	.....	.....	493,210	727,800	19
70	45,364	.....	.....	70	45,364	.....	.....	64,500	126,000	20
40	20,758	12	9,590	28	11,168	.....	.....	53,149	99,700	21
13	12,710	2	2,130	11	10,580	.....	.....	12,000	29,750	22
21	12,012	.....	.....	21	12,012	.....	.....	15,500	33,800	23
16	12,660	5	4,760	11	7,240	.....	.....	5,275	89,000	24
4	2,392	.....	.....	4	2,392	.....	.....	5,800	13,900	25
10	5,564	.....	.....	10	5,564	.....	.....	4,800	13,700	26
43	26,564	.....	.....	43	26,564	.....	.....	54,050	99,600	27
127	71,415	17	14,172	109	57,196	1	47	80,949	227,400	28
145	109,204	34	33,821	55	39,683	56	35,700	47,471	215,430	29
63	35,841	8	6,700	25	17,611	30	11,530	45,530	100,500	30
146	77,304	8	6,760	46	27,948	92	42,596	173,050	279,250	31
51	27,482	1	500	50	26,982	.....	.....	49,190	102,506	32
67	37,532	12	9,424	11	3,865	44	24,243	21,209	64,067	33
8	3,904	2	1,016	6	2,888	.....	.....	2,325	9,700	34
1,603	734,428	183	146,506	1,304	540,600	116	47,322	3,791,914	4,977,573	35

men's, 2; furniture, factory product, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; hand stamps, 1; iron and steel, doors and shutters, 1; lock and gun smithing, 2; marble and stone work, 2; mattresses and spring beds, 1; millinery and lace goods, 1; mineral and soda waters, 1; models and patterns, 1; paving and paving materials, 2; pumps, not including steam pumps, 1; shirts, 1; show cases, 1; slaughtering and meat packing, wholesale, 2; steam fittings and heating apparatus, 1; surgical appliances, 1; trunks and valises, 1; vinegar and cider, 2; wood, turned and carved, 1; woolen goods, 1.

ST. LOUIS, MO.

94,051	53,394,630	11,140	11,599,896	69,434	35,957,645	13,477	5,837,089	122,216,570	223,157,343	1
570	345,300	39	49,080	515	278,730	22	17,550	387,578	1,027,455	2
6	6,332	5	5,732	1	600	.....	.....	2,120	10,500	3
326	118,645	50	42,926	162	53,456	114	22,263	353,321	602,330	4
78	59,328	25	37,140	53	22,188	.....	.....	966,342	1,129,650	5
76	39,314	6	7,300	70	32,014	.....	.....	398,480	431,228	6
151	78,176	45	44,624	106	33,552	.....	.....	201,408	403,772	7
107	44,793	17	9,175	13	5,518	77	30,100	49,582	117,891	8
17	12,732	4	3,360	7	4,372	6	5,000	19,375	47,000	9
18	6,103	9	3,260	9	2,843	.....	.....	2,900	11,100	10
743	476,085	247	182,985	485	289,502	11	3,598	224,572	898,177	11

exactly locate its operation within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ST. LOUIS, MO.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
12	Bluing	3	$12,280	$6,672	$1,004
13	Bookbinding and blank-book making. (See also Printing and publishing.)	14	113,300	198,618	22,453
14	Boot and shoe uppers	5	15,720	18,950	2,012
15	Boots and shoes, custom work and repairing	477	632,032	273,729	63,948
16	Boots and shoes, factory product	24	839,500	3,330,527	259,522
17	Bottling. (See also Liquors, malt; Mineral and soda waters.)	15	95,290	163,155	14,395
18	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	8	79,780	143,195	13,888
19	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	27	196,350	496,305	48,515
20	Brass castings and brass finishing. (See also Plumbers' supplies.)	11	102,036	304,604	22,328
21	Bread and other bakery products	291	950,546	1,244,167	133,768
22	Brick and tile. (See also Clay and pottery products.)	38	232,700	2,531,128	114,367
23	Bridges	6	20,200	276,156	42,729
24	Brooms and brushes	41	139,685	166,446	19,163
25	Carpentering	407	520,310	4,364,659	130,458
26	Carpets, rag	15	20,000	3,978	1,844
27	Carriages and sleds, children's	3	12,500	73,910	5,186
28	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	114	680,211	2,523,448	161,473
29	Cars and general shop construction and repairs by steam railroad companies.	4	.....	518,386	.....
30	Cars and general shop construction and repairs by street railroad companies.	14	3,200	121,850	10,912
31	Cars, steam railroad, not including operations of railroad companies.	3	.....	1,011,927	55,473
32	Cars, street railroad, not including operations of railroad companies.	3	39,902	801,280	41,980
33	Cheese and butter, urban dairy product	6	5,100	28,124	1,050
34	Chemicals. (See also Fertilizers; Paints; Varnish.)	17	113,307	1,510,368	102,945
35	China, decorating	3	12,000	10,985	1,408
36	Clay and pottery products. (See also Brick and tile.)	13	104,749	1,092,496	109,239
37	Cleansing and polishing preparations	4	19,060	13,530	2,337
38	Clothing, men's, custom work and repairing	300	1,506,937	1,415,731	175,634
39	Clothing, men's, factory product	48	1,727,622	4,349,419	321,844
40	Clothing, women's, dressmaking	472	791,886	261,278	77,883
41	Clothing, women's, factory product	11	143,730	300,520	18,189
42	Coffee and spice, roasting and grinding	9	417,300	816,588	47,505
43	Coffins and burial cases, trimming and finishing	27	55,300	126,703	7,929
44	Coffins, burial cases, and undertakers' goods	5	199,000	346,762	26,869
45	Confectionery	48	613,290	1,078,426	105,454
46	Cooperage	71	61,915	1,042,643	57,243
47	Cordage and twine	7	35,250	322,124	25,127
48	Cordials and sirups	3	9,900	3,130	866
49	Corsets	8	54,750	81,787	14,468
50	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	9	89,000	76,875	9,174
51	Dentistry, mechanical	52	146,640	43,779	14,029
52	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	138	383,890	227,039	36,884
53	Dyeing and cleaning	36	112,350	96,925	14,802
54	Electrical apparatus and supplies	35	260,600	700,247	39,420
55	Electric light and power	4	37,000	2,685,286	25,473
56	Electroplating	9	42,460	40,845	7,354
57	Engraving and diesinking	14	65,650	40,730	10,194
58	Engraving, steel, including plate printing. (See also Lithographing and engraving; Photolithographing and engraving.)	3	16,240	59,672	5,110
59	Engraving, wood	14	32,550	23,677	4,824
60	Fancy articles, not elsewhere specified	13	42,950	31,972	4,989
61	Fertilizers. (See also Chemicals.)	4	5,000	209,658	14,362
62	Flavoring extracts	3	11,400	33,128	1,567
63	Flouring and grist mill products	20	207,300	4,110,954	348,182
64	Food preparations. (See also Fruits and vegetables, canning and preserving.)	17	172,120	304,846	22,978
65	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	103	849,499	10,184,926	893,367
66	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	4	100,000	339,705	75,871

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

ST. LOUIS, MO.—*Continued.*

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
13	$6,090	4	$2,540	9	$3,550	.....	.....	$6,537	$28,400	12
381	166,735	30	27,095	335	135,020	16	$4,620	108,028	336,227	13
39	22,524	5	3,600	29	16,480	5	2,444	35,278	63,800	14
755	363,479	448	214,568	199	96,053	108	52,858	161,307	675,732	15
2,592	1,155,635	85	114,200	2,215	879,503	292	161,932	2,114,017	4,250,960	16
83	55,972	23	25,400	60	30,572	.....	.....	151,853	277,006	17
391	105,819	17	25,080	164	41,479	210	39,260	368,163	624,520	18
669	330,652	47	52,428	479	225,206	143	53,018	595,981	1,172,859	19
274	181,762	26	32,420	247	149,332	1	10	332,988	643,486	20
1,434	798,247	386	292,779	1,005	492,779	43	10,689	2,173,432	3,597,392	21
1,952	877,619	78	90,937	1,788	745,526	86	41,156	380,163	1,731,692	22
489	297,116	22	29,820	467	267,296	.....	.....	500,300	1,019,519	23
307	121,279	53	36,660	183	62,766	71	21,913	146,676	343,305	24
3,936	3,011,377	493	512,104	3,384	2,447,527	59	51,746	5,795,439	10,364,922	25
18	7,324	15	6,589	3	735	.....	.....	6,514	15,682	26
77	57,052	4	3,132	73	53,920	.....	.....	61,445	161,180	27
2,283	1,279,592	225	239,743	1,810	896,170	248	143,679	1,778,720	3,663,735	28
782	483,013	24	19,876	758	463,137	.....	.....	426,399	909,412	29
171	131,742	4	2,550	158	122,308	9	6,884	87,658	281,741	30
1,406	870,101	42	42,497	864	549,104	500	278,500	2,327,820	3,386,173	31
566	371,604	15	31,000	551	340,604	.....	.....	472,062	1,063,926	32
17	10,108	9	5,600	8	4,508	.....	.....	66,471	99,856	33
565	350,356	68	106,516	487	243,440	10	400	1,562,497	2,682,750	34
19	7,480	3	2,600	16	4,880	.....	.....	2,882	13,000	35
732	389,691	39	54,768	686	331,527	7	3,396	294,939	899,855	36
32	14,973	7	6,724	25	8,249	.....	.....	34,100	63,105	37
2,299	1,241,975	442	378,596	878	373,548	979	489,831	1,239,230	3,075,706	38
5,003	1,734,979	243	304,499	1,990	759,207	2,770	671,273	3,589,120	6,554,982	39
1,447	446,881	470	211,529	954	231,778	23	3,574	445,251	1,176,078	40
499	151,945	44	45,526	159	62,119	296	44,300	298,852	541,894	41
224	143,432	44	62,096	180	81,336	.....	.....	2,076,771	2,406,392	42
81	52,332	27	20,358	54	31,974	.....	.....	94,688	202,207	43
253	118,352	30	30,455	184	66,339	39	21,558	171,430	436,684	44
1,242	514,453	127	119,249	1,051	308,874	64	26,330	1,361,930	2,462,037	45
1,108	587,105	97	95,362	653	312,509	358	179,234	1,033,102	1,912,779	46
215	89,457	16	24,712	197	64,345	2	400	474,497	664,305	47
5	4,470	4	3,950	1	520	.....	.....	17,451	27,680	48
224	68,113	14	11,534	92	31,695	118	24,884	52,495	188,450	49
94	59,983	26	19,031	74	40,952	.....	.....	28,532	177,555	50
107	65,894	60	45,632	46	20,062	1	200	28,076	149,527	51
230	103,741	117	62,350	113	41,391	.....	.....	117,927	344,913	52
193	99,779	51	37,677	132	59,617	10	2,485	26,213	170,909	53
399	265,411	60	83,130	364	165,081	26	17,200	298,747	674,950	54
214	159,348	20	29,212	194	130,136	.....	.....	130,153	428,690	55
97	49,165	14	13,694	83	35,471	.....	.....	14,610	88,788	56
80	50,026	21	20,804	58	29,162	1	60	18,921	96,067	57
37	20,707	7	7,700	29	12,495	1	512	11,602	47,102	58
80	46,151	22	18,890	50	25,026	8	2,235	7,472	74,987	59
83	32,689	16	11,460	43	15,029	24	6,200	24,095	88,624	60
95	49,416	7	8,800	88	40,616	.....	.....	124,823	212,716	61
11	10,358	5	7,500	6	2,858	.....	.....	38,239	61,799	62
763	559,877	112	157,164	651	402,713	.....	.....	10,853,606	12,456,000	63
240	117,222	49	48,192	191	69,030	.....	.....	387,769	662,160	64
6,345	3,877,946	458	616,586	5,027	2,710,399	860	550,961	5,096,781	11,945,493	65
209	110,620	23	30,936	186	79,684	.....	.....	1,098,984	1,347,651	66

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ST. LOUIS, MO.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
67	Fur goods. (See also Hats and caps, not including wool hats.)	4	$148,000	$118,868	$24,974
68	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	82	534,040	336,836	77,468
69	Furniture, chairs	6	58,000	819,863	34,871
70	Furniture, factory product	33	498,200	1,951,512	150,787
71	Glass	5	.....	2,201,353	116,397
72	Glass, cutting, staining, and ornamenting	9	74,200	78,926	9,268
73	Gloves and mittens. (See also Hosiery and knit goods.)	3	6,900	24,475	1,346
74	Grease and tallow. (See also Axle grease; Soap and candles.)	10	31,030	78,325	8,520
75	Hairwork	9	76,916	64,505	9,922
76	Hand stamps	5	38,360	24,070	4,478
77	Hats and caps, not including wool hats. (See also Fur goods.)	8	35,520	39,304	4,260
78	Hosiery and knit goods. (See also Cotton goods; Gloves and mittens.)	7	34,100	33,247	3,803
79	Instruments, professional and scientific	8	42,460	121,050	8,824
80	Iron and steel	4	275,000	1,720,475	75,040
81	Iron and steel, bolts, nuts, washers, and rivets	4	26,900	225,253	6,490
82	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	23	95,400	1,732,748	82,019
83	Jewelry. (See also Watch, clock, and jewelry repairing.)	10	138,560	132,200	18,272
84	Kindling wood	11	17,360	14,500	1,374
85	Labels and tags	4	11,500	16,875	1,188
86	Lamps and reflectors	4	21,600	135,350	8,960
87	Leather goods. (See also Pocketbooks; Trunks and valises.)	3	23,000	16,253	1,827
88	Leather, tanned and curried	15	62,200	682,753	25,054
89	Lime and cement	4	33,000	76,136	8,798
90	Liquors, malt. (See also Bottling.)	8	15,200	15,910,417	2,936,172
91	Liquors, vinous. (See also Liquors, distilled.)	7	87,600	349,040	16,062
92	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	9	83,850	205,850	15,998
93	Lock and gun smithing	46	100,520	50,304	12,665
94	Looking-glass and picture frames	31	238,480	311,399	39,748
95	Lumber and other mill products from logs or bolts	7	119,250	2,767,012	150,837
96	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	23	274,805	1,860,036	131,374
97	Malt. (See also Liquors, malt.)	11	30,100	977,918	40,012
98	Mantels, slate, marble, and marbleized	4	12,000	72,460	2,672
99	Marble and stone work. (See also Monuments and tombstones.)	44	417,455	403,119	22,555
100	Masonry, brick and stone. (See also Plastering and stuccowork.)	160	268,920	4,436,578	127,342
101	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	14	205,600	269,757	33,510
102	Millinery and lace goods. (See also Artificial feathers and flowers.)	3	21,800	22,100	1,804
103	Millinery, custom work	81	390,700	168,391	34,175
104	Mineral and soda waters. (See also Bottling.)	28	111,000	342,032	35,520
105	Models and patterns	10	22,700	25,864	2,922
106	Monuments and tombstones. (See also Marble and stone work.)	23	64,200	273,115	25,430
107	Musical instruments and materials, not specified	14	41,810	22,191	3,451
108	Musical instruments, organs and materials	4	7,800	38,520	2,702
109	Musical instruments, pianos and materials	3	15,950	13,800	2,141
110	Oil, linseed	3	101,134	1,018,562	58,433
111	Oil, lubricating	8	101,200	129,605	12,031
112	Optical goods	5	14,900	14,875	1,344
113	Painting and paper hanging	331	701,560	867,194	97,172
114	Paints. (See also Chemicals; Varnish.)	15	145,429	3,583,107	269,976
115	Paper patterns	3	7,200	2,674	854
116	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	57	295,482	1,593,699	376,325
117	Paving and paving materials	15	33,008	158,141	13,375
118	Perfumery and cosmetics. (See also Druggists' preparations, not including prescriptions.)	4	35,000	36,855	34,129
119	Photography	47	306,450	147,784	46,936
120	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	9	75,500	482,372	23,635
121	Pipes, tobacco	5	23,000	37,870	3,201
122	Plastering and stuccowork. (See also Masonry, brick and stone.)	64	89,895	177,244	17,506
123	Plumbers' supplies. (See also Brass castings and brass finishing.)	4	80,000	1,280,486	101,863
124	Plumbing and gas fitting	124	467,410	581,067	59,506
125	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	105	1,388,822	2,816,775	265,034
126	Printing and publishing, music. (See also Bookbinding and blank-book making.)	4	19,500	28,750	2,490

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

ST. LOUIS, MO.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
91	$41,165	23	$21,900	67	$17,973	1	$1,292	$96,386	$191,840	67
452	305,241	102	87,347	312	204,297	38	13,597	352,669	865,705	68
815	409,683	31	41,360	606	306,699	1.3	61,624	262,540	831,437	69
1,563	903,908	128	162,569	1,166	590,090	269	151,249	1,465,219	2,961,404	70
1.152	596,239	39	54,082	963	429,276	150	112,881	557,874	1.215,329	71
179	73,844	10	18,834	160	55,010	.....	.....	76,379	194,859	72
53	18,836	4	3,100	29	12,592	20	3,144	26,772	53,247	73
61	43,598	12	15,874	49	27,724	.....	.....	342,822	425,020	74
93	37,490	19	12,870	74	24,620	.....	.....	51,598	125,890	75
27	16,004	10	9,260	17	6,744	.....	.....	18,816	44,400	76
101	58,238	12	17,156	28	11,580	61	29,502	59,028	135,352	77
125	34,477	8	6,198	95	23,514	22	4,775	30,524	81,445	78
63	37,318	12	9,950	50	26,368	1	1,000	10,847	72,300	79
638	326,163	12	19,343	626	306,820	.....	.....	1,114,484	1,715,627	80
175	48,767	12	11.292	163	37,475	.....	.....	147,829	248.941	81
1,015	644,127	78	112,909	874	495.506	63	35,712	880,039	2,023.526	82
178	131,422	18	20.880	160	110,542	.....	.....	158,298	385,040	83
34	13,350	12	5,926	22	7,424	.....	.....	11,090	30,140	84
17	11,100	5	5,172	11	5,148	1	780	4,706	19,600	85
147	53,242	14	12,020	133	41,222	.....	.....	73,916	184.582	86
27	16,636	5	5.600	22	11.036	.....	.....	18,278	43.830	87
323	192,101	17	30.080	288	151.291	18	10,730	1,104,737	1,592.680	88
96	40,281	13	11,120	83	29.161	.....	.....	46,567	102,321	89
2,870	2,278,194	238	550,572	2,632	1,727,622	.....	.....	6,289.053	16,185,569	90
72	58.042	16	23.350	56	34.692	.....	.....	68.803	208,300	91
225	122,364	35	43,502	187	76,207	3	2,655	70,448	244,275	92
91	57,568	48	31.190	43	26,378	.....	.....	25,982	115,948	93
315	170,876	62	50.310	207	99,066	46	21,500	209,429	522,169	94
931	363,004	26	37,600	750	274,754	155	50,650	875,652	1.680,831	95
1,587	976,052	117	123,252	1,424	831,153	46	21,647	1,571,142	3,061,178	96
120	105,547	27	43,430	102	62.117	.....	.....	499,992	725,924	97
67	48,053	12	12,590	55	35,463	.....	.....	36,470	99.810	98
495	347,162	70	68,437	387	249,665	38	29,000	581,769	1,186,060	99
4,606	3,177,469	233	272,544	4,363	2,903,005	10	1,920	4,558,728	9,122,952	100
344	171,182	39	43,654	203	74,216	102	53,312	428,070	737,174	101
57	18,727	5	4,700	31	9,727	21	4,300	60,670	93,500	102
568	187,171	115	63,735	413	114,756	40	8,680	235.691	553,972	103
285	150,850	84	66,286	194	81,912	7	2,652	124,562	454,858	104
52	34,332	14	13,080	38	21,252	.....	.....	5.968	45,334	105
193	121,268	34	32,850	159	88,418	.....	.....	147,506	355,417	106
21	10,238	17	8,962	4	1.276	.....	.....	4,359	28,715	107
30	24,504	6	7,544	24	16.960	.....	.....	13,990	46.340	108
18	11,606	2	1,800	16	9,806	.....	.....	4,848	23,660	109
156	131,258	18	35,408	138	95.850	.....	.....	1,119.187	1,438,201	110
47	49,808	24	35,301	23	14,507	.....	.....	166.106	350.170	111
14	9,866	7	6,460	6	3,106	1	300	5,288	19,500	112
2,183	1,403.759	418	367,792	1,626	966,200	139	69.767	872,276	2,841,041	113
504	344,508	93	130.854	411	213,654	.....	.....	2,099.636	3,238,317	114
5	4.400	4	4,200	1	200	.....	.....	3,166	11,450	115
587	367,250	205	224,622	361	137,748	21	4,880	674,779	2,186,416	116
239	134,507	10	12,923	229	121,584	.....	.....	219.708	421,961	117
60	26,555	7	8.900	53	17,655	.....	.....	30,295	107.400	118
252	156,919	62	60,578	176	91,516	14	4,825	82,779	384,762	119
332	147,394	31	35,320	217	88,114	84	23.960	603.005	958.519	120
59	23,239	6	5,880	53	17,359	.....	.....	12,445	40,430	121
335	261,665	81	74,572	251	185.143	3	1,950	164,944	551.737	122
491	342,358	39	79,500	383	238,866	69	23,932	861,600	1,465,371	123
1,047	701,265	177	185,961	843	502,177	27	13,127	648,389	1.651,169	124
2,693	1,499,586	274	298,656	2,319	1.159,550	100	41,380	1,440,742	3,894.990	125
18	11,000	1	1,000	16	9,400	1	600	8,121	34,100	126

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ST. LOUIS, MO.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
127	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	104	$628,530	$2,364,135	$546,901
128	Refrigerators	3	16,900	504,850	17,085
129	Regalia and society banners and emblems	4	18,100	14,540	2,169
130	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	62	323,375	804,900	92,306
131	Saddlery and harness	110	739,055	2,160,963	109,431
132	Sausage. (See also Slaughtering.)	13	32,540	41,848	4,748
133	Scales and balances	4	25,300	13,895	2,882
134	Sewing machine repairing	8	26,540	30,877	2,794
135	Shipbuilding	4	2,400	122,300	17,817
136	Shirts. (See also Furnishing goods, men's.)	25	158,580	176,935	20,856
137	Show cases	4	45,200	43,500	6,597
138	Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.)	34	77,350	2,849,586	83,304
139	Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.)	26	51,200	366,985	18,235
140	Soap and candles. (See also Grease and tallow.)	10	27,496	806,301	46,824
141	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	9	74,400	254,115	16,627
142	Stencils and brands	5	13,080	6,910	1,500
143	Sugar and molasses, refining	3	71,500	121,500	13,335
144	Surgical appliances. (See also Artificial limbs.)	7	37,700	28,201	4,385
145	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	132	605,350	1,132,588	121,017
146	Tobacco, chewing, smoking, and snuff	12	429,150	3,894,320	4,084,125
147	Tobacco, cigars and cigarettes	296	742,922	787,520	200,073
148	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	9	20,400	257,935	22,117
149	Trunks and valises. (See also Leather goods.)	15	164,200	281,730	23,180
150	Umbrellas and canes	9	35,050	27,505	4,015
151	Upholstery materials	4	64,500	116,325	12,331
152	Varnish. (See also Paints.)	5	13,300	89,816	10,892
153	Vinegar and cider	12	97,250	372,558	17,478
154	Watch, clock, and jewelry repairing. (See also Jewelry.)	124	282,280	128,940	30,269
155	Whips	3	250	7,315	62
156	Window shades	6	56,200	72,646	8,841
157	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	16	119,850	570,300	26,399
158	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	18	67,660	114,406	9,432
159	All other industries (a)	169	1,267,593	18,210,328	2,443,377

a Embraces ammunition, 2; artificial feathers and flowers, 2; axle grease, 2; bagging, flax, hemp, and jute, 2; bags, other than paper, 2; bells, 2; billiard tables and materials, 2; bone, ivory, and lamp black, 2; boot and shoe cut stock, 1; boxes, cigar, 2; brassware, 2; calcium lights, 1; carriage and wagon materials, 2; clocks, 1; cork, cutting, 1; cotton goods, 1; cotton ties, 1; dentists' materials, 2; engravers' materials, 1; files, 2; fireworks, 1; furnishing goods, men's, 1; galvanizing, 1; gas, illuminating and heating, 1; glue, 1; hardware, 2; house furnishing goods, not elsewhere specified, 2; ice, artificial, 1; ink, printing, 1; ink, writing, 1; iron and steel, forgings, 2; iron and steel, nails and spikes, cut and wrought, including wire nails, 2; ivory and bone work, 1; japanning, 1; kaolin and other earth grinding, 2; lapidary work, 1; lard, refined, 1;

ST. PAUL, MINN.

1	All industries (a)	1,442	6,464,339	22,501,211	1,740,518
2	Awnings, tents, and sails	3	10,000	6,795	882
3	Baking and yeast powders	5	47,750	360,540	13,196
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	75	147,475	86,701	13,601
5	Bookbinding and blank-book making. (See also Printing and publishing.)	5	47,150	68,950	5,384
6	Boots and shoes, custom work and repairing	76	122,050	31,985	10,274
7	Bottling. (See also Liquors, malt; Mineral and soda waters.)	6	18,575	69,060	2,683
8	Brass castings and brass finishing. (See also Plumbers' supplies.)	3	27,500	78,350	3,216
9	Bread and other bakery products	40	209,600	294,926	21,861
10	Brick and tile. (See also Clay and pottery products.)	5	4,800	122,150	1,800
11	Brooms and brushes	7	17,700	27,570	2,232

a Excludes returns from manufacturers of "Timber products, not manufactured at mill" having offices in St. Paul. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to exactly locate its operations within the limits of a county or municipality. The totals of such reports obtained in St. Paul are as

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: *1890—Continued.*

ST. LOUIS, MO.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
2,474	$1,013,226	387	$462,038	1,594	$1,024,654	493	$426,528	$1,017,505	$4,626,360	127
269	151,490	10	25,020	193	89,470	66	37,000	1,110,913	1,376,179	128
39	16,734	10	7,462	28	9,172	1	100	3,772	26,750	129
615	398,144	124	124,970	491	273,174	.....	.....	667,795	1,452,875	130
1,212	810,044	240	258,454	517	271,718	455	279,872	1,348,947	2,863,961	131
41	24,462	14	10,626	27	13,836	.....	.....	44,042	82,866	132
26	16,730	8	4,850	13	10,550	5	1,330	4,418	27,090	133
15	8,522	6	3,490	9	5,032	.....	.....	5,785	22,067	134
352	157,849	10	10,881	192	86,968	150	60,000	132,947	400,995	135
482	152,236	54	45,630	164	52,946	264	53,660	276,048	534,895	136
67	24,160	9	8,170	56	15,290	2	700	81,410	138,600	137
592	400,043	95	120,276	465	275,667	32	4,100	7,199,619	8,562,430	138
168	136,194	34	49,950	134	86,244	.....	.....	2,665,020	3,485,684	139
246	136,437	44	43,119	198	91,885	4	1,433	917,150	1,203,496	140
155	118,895	33	37,020	121	81,350	1	525	295,618	514,517	141
12	7,431	5	5,200	5	1,711	2	520	2,540	13,492	142
32	27,944	11	16,980	21	10,964	.....	.....	340,650	453,000	143
19	12,550	10	8,682	9	2,868	.....	.....	7,536	33,200	144
1,166	643,236	206	188,094	928	445,768	32	9,374	1,116,247	2,369,540	145
2,826	1,352,906	215	344,543	1,947	817,867	664	190,496	7,641,668	4,354,165	146
1,232	623,633	333	217,261	382	156,920	517	249,452	555,863	11,558,401	147
163	99,173	17	20,500	66	37,076	80	41,597	131,352	287,532	148
236	160,810	38	45,900	100	53,670	98	61,240	196,612	591,150	149
35	20,701	16	14,890	19	5,811	.....	.....	48,234	83,892	150
110	68,370	10	13,290	55	37,816	45	17,264	75,825	188,500	151
22	20,600	7	9,550	15	11,050	.....	.....	73,278	134,966	152
111	77,251	35	37,500	67	37,927	9	1,824	225,982	459,499	153
259	133,350	127	74,022	105	49,292	27	10,045	49,339	251,883	154
6	1,508	3	800	1	208	2	500	1,095	3,925	155
76	44,864	15	12,198	61	32,666	.....	.....	55,840	120,750	156
288	158,728	48	54,664	192	94,744	48	9,320	255,792	501,235	157
167	107,350	25	22,340	142	85,010	.....	.....	155,589	323,365	158
7,183	3,783,312	437	645,947	5,633	2,556,732	1,113	580,633	12,287,068	22,000,384	159

leather, morocco, 1; lightning rods, 2; liquors, distilled, 2; matches, 1; mucilage and paste, 2; nets and seines, 2; oil, castor, 2; photographic materials, 2; photolithographing and engraving, 2; plated and britannia ware, 1; pocketbooks, 1; printing materials, 1; pulp from fiber, other than wood, 1; pumps, not including steam pumps, 2; rubber and elastic goods, 2; safes and vaults, 1; saws, 1; screws, machine, 1; silk and silk goods, 1; smelting and refining, 1; sporting goods, 2; springs, steel, car and carriage, 2; stamped ware, 1; stereotyping and electrotyping, 1; tar and turpentine, 1; taxidermy, 2; timber products, not manufactured at mill, 1; tinfoil, 1; toys and games, 2; type founding, 2; typewriters and supplies, 2; washing machines and clothes wringers, 2; watch cases, 1; wire, 2; woodenware, not elsewhere specified, 2; zinc, 1.

ST. PAUL, MINN.

18,558	10,373,396	2,279	1,078,846	14,680	7,448,316	1,599	946,234	15,867,573	33,035,073	1
24	7,502	3	1,864	21	5,638	.....	.....	11,680	26,000	2
96	65,730	20	24,400	76	41,330	.....	.....	230,668	373,460	3
177	122,983	83	60,777	94	62,206	.....	.....	58,538	238,882	4
90	44,782	7	6,740	30	12,342	53	25,700	46,135	115,000	5
154	75,307	74	32,738	60	32,074	20	10,495	36,129	133,375	6
35	20,025	8	5,710	27	14,315	.....	.....	75,616	118,000	7
47	32,330	8	7,600	39	24,730	.....	.....	116,170	185,000	8
252	131,038	58	42,945	194	88,693	.....	.....	285,035	618,674	9
102	26,767	10	6,140	92	20,627	.....	.....	7,706	41,000	10
39	19,494	7	4,052	11	4,582	21	10,860	32,648	62,381	11

follows: number of establishments reporting, 3; capital, direct investment, $252,500; miscellaneous expenses, $5,983; average number of employés, 89; total wages, $47,070; cost of material used, $127,570; value of products, $184,705.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ST. PAUL, MINN.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
12	Carpentering	147	$62,850	$661,265	$52,061
13	Carpets, rag	3	1,700	275	134
14	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	18	69,425	566,455	17,823
15	Cars and general shop construction and repairs by steam railroad companies.	4	.....	180,427	.....
16	Cheese and butter, urban dairy product	3	6,875	2,177	727
17	Clothing, men's, custom work and repairing	79	598,225	314,918	46,264
18	Clothing, men's, factory product	5	186,100	542,472	29,037
19	Clothing, women's, dressmaking	155	324,750	72,946	22,137
20	Coffee and spice, roasting and grinding	2	40,000	61,014	3,685
21	Confectionery	15	203,470	156,480	19,394
22	Cooperage	5	3,125	13,325	653
23	Dentistry, mechanical	38	236,815	77,485	15,997
24	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	12	10,825	4,510	933
25	Dyeing and cleaning	4	7,800	18,185	1,400
26	Engraving and diesinking	4	9,200	6,400	851
27	Fancy articles, not elsewhere specified	4	29,600	180	1,860
28	Flouring and grist mill products	3	5,100	279,941	8,390
29	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	13	60,330	563,348	18,610
30	Fur goods	10	204,317	1,285,835	37,709
31	Furnishing goods, men's. (See also Shirts.)	3	22,875	66,235	1,682
32	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	11	39,650	17,965	3,432
33	Furniture, factory product	5	14,000	244,865	14,830
34	Hairwork	3	22,350	750	1,579
35	Liquors, malt. (See also Bottling.)	9	.....	1,437,950	167,840
36	Lock and gun smithing	7	19,875	16,840	3,442
37	Looking-glass and picture frames	9	40,500	25,435	3,844
38	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing.)	8	37,045	1,580,291	57,321
39	Marble and stone work. (See also Monuments and tombstones.)	3	13,750	46,200	4,535
40	Masonry, brick and stone. (See also Plastering and stuccowork.)	102	68,500	1,582,495	33,225
41	Millinery, custom work	30	301,500	114,860	26,456
42	Mineral and soda waters. (See also Bottling.)	4	3,450	58,575	2,435
43	Monuments and tombstones. (See also Marble and stone work.)	5	6,100	13,825	651
44	Painting and paper hanging	62	132,975	261,340	15,706
45	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	6	27,225	31,385	1,968
46	Paving and paving materials	6	9,700	127,500	3,910
47	Photography	20	172,300	84,454	14,086
48	Plastering and stuccowork. (See also Masonry, brick and stone.)	40	5,100	32,590	7,144
49	Plumbing and gas fitting	35	229,700	364,835	22,543
50	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	30	280,935	609,961	67,026
51	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	28	541,300	1,719,367	520,326
52	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	12	92,250	171,965	9,440
53	Saddlery and harness	23	229,700	329,063	22,502
54	Shipbuilding	3	1,600	4,000	131
55	Shirts. (See also Furnishing goods, men's.)	4	12,200	5,110	1,028
56	Slaughtering and meat packing, wholesale. (See also Sausage.)	6	15,200	448,600	14,067
57	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	59	112,675	455,101	18,345
58	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	47	141,650	269,477	60,007
59	Trunks and valises	3	30,300	76,500	3,346
60	Watch, clock, and jewelry repairing	41	93,875	59,045	8,275
61	All other industries (a)	77	1,032,952	6,289,964	276,512

a Embraces artificial limbs, 1; baskets and rattan and willow ware, 1; bicycle and tricycle repairing, 1; boots and shoes, factory product, 2; boxes, cigar, 2; boxes, fancy and paper, 2; boxes, wooden packing, 2; bridges, 1; carpets, wood, 1; cheese, butter, and condensed milk, factory product, 1; chemicals, 2; clay and pottery products, 2; clothing, horse, 1; electrical apparatus and supplies, 2; electroplating, 1; engraving, steel, including plate printing, 1; engraving, wood, 1; fireworks, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 1; gas machines and meters, 1; glass, cutting, staining, and ornamenting, 2; grease and tallow, 1; hand stamps, 2; house furnishing goods, not elsewhere specified, 1; instruments, professional and scientific, 1; ironwork, architectural and ornamental, 2; lead, bar, pipe, and sheet, 1; lime and cement, 1; lithographing and

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

ST. PAUL, MINN.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
1,310	$724,772	172	$122,213	1,136	$600,684	2	$1,875	$1,431,380	$2,503,618	12
3	1,400	3	1,400	.....	.....	.....	.....	496	2,000	13
236	167,691	36	38,380	198	128,211	2	1,100	126,440	371,768	14
280	200,796	12	9,180	268	191,616	.....	.....	177,584	379,657	15
5	1,840	2	660	3	1,180	.....	.....	15,981	21,729	16
587	396,021	91	65,222	132	80,110	364	250,689	300,895	898,773	17
685	260,970	19	26,080	416	162,215	250	72,675	490,560	903,406	18
684	217,285	171	76,182	512	140,791	1	312	154,011	454,794	19
29	18,142	8	8,548	21	9,594	.....	.....	137,562	176,500	20
175	83,494	40	34,134	130	47,860	5	1,500	244,957	453,020	21
18	10,650	5	3,400	7	4,350	6	2,900	7,450	19,700	22
74	71,882	44	48,626	27	22,256	3	1,000	30,476	188,907	23
27	12,515	14	7,710	13	4,805	.....	.....	7,010	21,934	24
25	14,254	6	4,350	19	9,904	.....	.....	4,465	25,280	25
11	5,709	4	2,950	7	2,759	.....	.....	1,540	10,000	26
20	8,080	7	4,000	11	3,580	2	500	5,080	16,500	27
49	19,788	10	5,008	39	14,780	.....	.....	285,883	357,300	28
366	243,984	31	36,524	335	207,460	.....	.....	380,086	739,350	29
361	224,205	69	94,586	197	78,199	95	51,420	608,144	940,120	30
62	25,710	5	5,100	12	4,430	45	16,120	65,686	113,400	31
38	26,623	12	10,008	26	16,615	.....	.....	31,842	78,411	32
209	132,142	19	21,160	180	103,982	10	7,000	145,924	351,720	33
8	3,122	3	2,200	5	922	.....	.....	4,240	9,100	34
174	111,790	20	23,300	154	88,490	.....	.....	227,459	738,840	35
22	16,024	10	7,520	12	8,504	.....	.....	10,222	31,200	36
35	21,885	11	7,967	22	12,878	2	1,040	31,899	63,075	37
861	510,777	54	60,440	807	450,337	.....	.....	889,549	1,727,566	38
111	67,800	5	5,500	106	62,300	.....	.....	99,200	177,000	39
4,407	2,234,226	134	150,637	4,273	2,083,589	.....	.....	2,700,456	5,609,202	40
146	65,988	29	17,440	117	48,548	.....	.....	150,751	328,130	41
32	16,085	8	5,450	24	10,635	.....	.....	16,155	50,500	42
23	16,155	7	5,183	16	10,972	.....	.....	15,272	36,009	43
470	302,472	88	71,328	367	222,544	15	8,600	208,659	649,155	44
19	6,732	7	4,200	12	2,532	.....	.....	9,218	49,800	45
210	90,395	10	9,800	200	80,595	.....	.....	113,637	219,050	46
80	51,263	27	24,910	52	26,173	1	180	23,369	131,117	47
349	157,902	40	26,635	297	128,201	12	3,066	104,268	313,180	48
477	303,526	66	59,358	411	244,168	.....	.....	580,999	1,075,827	49
600	380,398	66	64,502	462	239,256	72	76,640	288,163	883,228	50
876	655,026	139	169,746	566	335,331	171	149,949	301,718	1,858,159	51
152	109,421	19	19,373	133	90,048	.....	.....	197,441	336,023	52
241	161,906	57	47,254	126	79,182	58	35,470	245,585	518,720	53
5	2,500	2	1,050	3	1,450	.....	.....	2,765	6,800	54
31	13,649	5	3,020	5	3,440	21	7,189	13,542	33,820	55
78	51,176	16	15,700	62	35,476	.....	.....	659,636	783,370	56
348	165,160	58	41,144	290	124,016	.....	.....	369,187	641,332	57
350	198,083	58	45,524	131	56,602	161	95,957	206,767	532,181	58
42	23,494	9	10,000	29	12,038	4	1,456	36,950	85,100	59
90	67,826	26	19,416	64	48,410	.....	.....	23,308	121,250	60
2,051	1,154,104	247	241,802	1,601	799,761	203	112,541	2,784,461	5,092,080	61

engraving, 1; malt, 1; mantels, slate, marble, and marbleized, 1; mattresses and spring beds, 2; millinery and lace goods, 1; models and patterns, 1; mucilage and paste, 1; musical instruments and materials, not specified, 2; musical instruments, organs and materials, 1; musical instruments, pianos and materials, 1; optical goods, 1; paints, 2; perfumery and cosmetics, 1; photolithographing and engraving, 2; pickles, preserves, and sauces, 2; plumbers' supplies, 1; sausage, 2; sewing-machine repairing, 1; show cases, 1; soap and candles, 1; stationery goods, not elsewhere specified, 1; sugar and molasses, refining, 2; taxidermy, 1; tobacco, chewing, smoking, and snuff, 2; type founding, 1; umbrellas and canes, 1; vinegar and cider, 2; window shades, 1; wirework, including wire rope and cable, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SALEM, MASS.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	513	$752, 613	$6, 250, 164	$424, 772
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	27	30, 045	29, 840	4, 146
3	Boot and shoe cut stock	29	16, 425	199, 629	5, 682
4	Boot and shoe findings	4	11, 670	31, 545	2, 656
5	Boots and shoes, custom work and repairing	30	16, 330	8, 275	2, 110
6	Boots and shoes, factory product	23	93, 340	304, 976	26, 380
7	Bottling	6	18, 475	23, 069	3, 828
8	Brass castings and brass finishing	3	5, 530	24, 200	1, 471
9	Bread and other bakery products	20	25, 250	41, 910	5, 404
10	Carpentering	44	24, 585	175, 177	5, 812
11	Clothing, men's, custom work and repairing	19	44, 760	73, 765	6, 871
12	Clothing, women's, dressmaking	41	23, 035	9, 599	3, 126
13	Confectionery	4	20, 400	5, 000	2, 534
14	Cooperage	4	3, 775	2, 875	459
15	Dentistry, mechanical	12	10, 475	6, 275	1, 405
16	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	3	6, 445	6, 540	770
17	Dyeing and cleaning	3	3, 000	4, 700	542
18	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	11	5, 910	211, 514	15, 838
19	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	8	12, 500	8, 615	1, 913
20	Leather, morocco	5	12, 000	54, 970	5, 366
21	Leather, tanned and curried	24	36, 305	1, 157, 798	58, 106
22	Lock and gun smithing	3	1, 666	2, 530	252
23	Looking-glass and picture frames	3	2, 800	7, 250	452
24	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	3	10, 833	53, 700	2, 662
25	Marble and stone work. (See also Monuments and tombstones.)	4	7, 040	27, 460	1, 319
26	Masonry, brick and stone. (See also Plastering and stuccowork.)	15	5, 410	37, 375	1, 850
27	Millinery, custom work	9	26, 200	16, 785	3, 893
28	Monuments and tombstones. (See also Marble and stone work.)	3	4, 635	8, 750	959
29	Painting and paper hanging	35	30, 810	44, 080	4, 608
30	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	600	66, 305	5, 656
31	Photography	8	27, 166	23, 100	4, 179
32	Plumbing and gas fitting	7	10, 165	23, 950	1, 746
33	Printing and publishing, book and job. (See also Bookbinding and blank-book making; Printing and publishing, music.)	9	28, 750	68, 225	7, 401
34	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	4	40, 625	63, 750	10, 998
35	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	4	1, 700	15, 400	924
36	Saddlery and harness	8	9, 571	10, 475	1, 380
37	Shipbuilding	3	1, 775	13, 544	721
38	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	10	31, 000	37, 345	4, 418
39	Tobacco, cigars and cigarettes	7	7, 075	8, 355	2, 511
40	Watch, clock, and jewelry repairing	11	24, 900	6, 005	2, 938
41	All other industries (a)	44	58, 737	3, 335, 508	211, 406

a Embraces artificial limbs, 1; awnings, tents, and sails, 1; belting and hose, leather, 2; bookbinding and blank-book making, 2; boxes, wooden packing, 1; carriages and wagons, including custom work and repairing, 2; clothing, men's, factory product, 2; corsets, 1; cotton goods, 1; electroplating, 1; fancy articles, not elsewhere specified, 1; felt goods, 1; files, 1; fish, canning and preserving, 1; gas, illuminating and heating, 1; grease and tallow, 1; hairwork, 2; hardware, 1; ink, writing, 1;

SALT LAKE, UTAH.

1	All industries	175	802, 361	3, 354, 035	291, 255
2	Awnings, tents, and sails	3	23, 454	15, 000	2, 870
3	Blacksmithing and wheelwrighting (See also Carriages and wagons, including custom work and repairing.)	17	43, 386	29, 157	5, 683
4	Boots and shoes, custom work and repairing	6	10, 120	2, 857	1, 412
5	Bread and other bakery products	6	.....	72, 275	7, 225
6	Brick and tile	5	87, 915	54, 750	16, 555

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SALEM, MASS.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
5,798	$2,446,076	671	$472,110	3,519	$1,446,108	1,608	$527,858	$4,738,643	$8,522,751	1
57	33,381	29	19,237	28	14,144	.....	.....	17,808	66,366	2
482	147,059	35	23,605	223	70,145	224	53,309	244,767	442,859	3
57	15,058	7	3,943	32	5,205	18	5,910	48,604	79,672	4
39	18,885	27	12,919	8	3,992	4	1,974	14,827	38,390	5
1,011	364,993	47	35,674	144	52,964	820	276,355	684,871	1,178,724	6
36	22,958	14	9,988	22	12,970	.....	.....	79,098	136,806	7
24	17,020	4	4,120	20	12,900	.....	.....	28,640	56,300	8
89	39,549	37	16,874	52	22,675	.....	.....	69,452	131,943	9
281	169,436	54	40,272	227	129,164	.....	.....	220,278	434,277	10
128	53,752	21	15,802	24	11,335	83	26,615	77,689	156,025	11
169	43,405	40	17,095	95	19,494	34	6,816	35,099	88,499	12
14	8,027	10	6,500	4	2,127	.....	.....	10,091	24,700	13
13	7,392	4	3,560	8	3,382	1	450	4,677	12,700	14
19	5,453	12	4,239	6	1,064	1	150	2,274	12,185	15
10	3,400	4	1,500	6	1,900	.....	.....	2,712	11,675	16
16	8,048	6	3,692	10	4,356	.....	.....	2,090	12,815	17
151	91,057	23	20,123	128	70,934	.....	.....	92,361	249,845	18
26	15,228	4	2,808	21	11,760	1	660	7,628	28,990	19
117	66,889	10	10,430	100	52,759	7	3,700	135,381	225,185	20
686	376,164	40	51,343	520	248,552	126	76,269	1,279,366	1,835,341	21
3	2,184	3	2,184	.....	.....	.....	.....	1,666	5,200	22
10	4,724	4	2,004	4	2,170	2	550	7,498	18,250	23
47	29,665	4	3,040	43	26,625	.....	.....	57,820	98,550	24
23	14,728	6	3,526	17	11,202	.....	.....	5,163	25,380	25
169	82,202	18	13,142	151	69,120	.....	.....	54,976	156,363	26
54	15,744	13	5,890	41	9,854	.....	.....	64,557	99,950	27
14	8,905	5	3,215	9	5,690	.....	.....	4,598	16,630	28
158	77,915	42	24,948	116	52,967	.....	.....	47,770	142,717	29
20	3,740	4	1,240	16	2,500	.....	.....	8,600	24,200	30
26	14,588	10	8,832	13	4,706	3	1,050	5,576	29,160	31
37	21,121	8	6,035	29	15,086	.....	.....	32,264	61,000	32
70	25,999	10	7,992	51	16,364	9	1,673	14,199	54,385	33
76	38,258	11	11,616	46	20,357	19	6,285	25,036	84,456	34
18	10,570	4	3,270	14	7,300	.....	.....	19,538	34,950	35
18	10,204	11	6,724	7	3,480	.....	.....	8,266	22,346	36
8	3,232	1	157	7	3,075	.....	.....	1,576	6,325	37
49	25,947	11	6,958	38	18,989	.....	.....	24,789	64,680	38
16	5,859	4	2,340	3	882	9	2,637	5,669	14,818	39
17	13,378	9	6,814	8	6,564	.....	.....	1,581	21,704	40
1,540	529,209	65	48,489	1,228	417,355	247	63,455	1,289,788	2,318,290	41

kindling wood, 1; lasts, 1; leather goods, 1; mattresses and spring beds, 1; models and patterns, 2; musical instruments, organs and materials, 1; paints, 1; paving and paving materials, 2; plastering and stuccowork, 2; printing and publishing, music, 1; sausage, 2; sewing machine repairing, 1; steam fittings and heating apparatus, 1; toys and games, 1; umbrellas and canes, 1; wood, turned and carved, 1.

SALT LAKE, UTAH.

2,287	1,499,412	301	293,958	1,884	1,129,914	102	75,540	1,966,818	4,624,419	1
12	5,288	3	1,854	9	3,434	.....	.....	14,885	30,800	2
73	65,466	23	26,049	50	39,417	.....	.....	23,593	117,545	3
23	12,357	10	5,821	1	120	12	6,416	5,858	21,300	4
48	27,828	6	5,940	42	21,888	.....	.....	53,037	109,990	5
235	93,261	10	6,847	225	86,414	.....	.....	23,817	164,450	6

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SALT LAKE, UTAH—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
7	Carpentering	5	$2,400	$22,060	$26,006
8	Clothing, men's, custom work and repairing	7	28,364	94,350	3,730
9	Clothing, women's, dressmaking	8	18,000	2,530	1,850
10	Confectionery	4	44,500	69,189	7,189
11	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	7	34,000	174,688	9,662
12	Furniture, cabinetmaking, repairing and upholstering	5	48,600	55,000	7,189
13	Hosiery and knit goods. (See also Woolen goods.)	3	3,000	22,600	856
14	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	9	20,800	481,296	10,438
15	Millinery, custom work	6	66,857	19,650	9,146
16	Mineral and soda waters	3	2,600	92,800	2,371
17	Painting and paper hanging	3	.....	10,450	4,417
18	Plumbing and gas fitting	3	.....	72,200	2,492
19	Printing and publishing, book and job	7	54,055	111,806	7,031
20	Printing and publishing, newspapers and periodicals	8	150,000	122,403	86,049
21	Saddlery and harness	6	39,555	56,200	4,872
22	Salt	4	.....	42,600	.....
23	Tinsmithing, coppersmithing, and sheet-iron working	5	21,190	61,655	4,585
24	Tobacco, cigars and cigarettes	5	35,595	57,633	10,785
25	Trunks and valises	3	20,000	5,950	2,335
26	All other industries (a)	37	48,030	1,304,936	56,507

a Embraces baking and yeast powders, 1; boots and shoes, factory product, 1; brooms and brushes, 1; carriages and wagons, including custom work and repairing, 1; coffins, burial cases, and undertakers' goods, 1; fancy articles, not elsewhere specified, 1; fertilizers, 1; flouring and grist mill products, 2; gas, illuminating and heating, 1; ironwork, architectural and ornamental, 1; leather, tanned and curried, 2; lime and cement, 1; liquors, malt, 1; lithographing and engraving, 1; lock

SAN ANTONIO, TEX.

1	All industries	309	678,205	3,004,425	494,744
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	22	17,290	38,895	4,248
3	Boots and shoes, custom work and repairing	22	24,060	7,755	3,294
4	Bread and other bakery products	14	19,554	36,471	6,237
5	Carpentering	11	4,000	28,420	3,727
6	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	5	26,476	21,300	4,453
7	Clothing, men's, custom work and repairing	5	17,700	27,383	2,557
8	Clothing, women's, dressmaking	23	29,335	9,129	4,197
9	Coffins and burial cases, trimming and finishing	3	4,620	15,150	753
10	Confectionery	6	35,600	141,077	6,336
11	Dyeing and cleaning	3	12,000	2,325	1,695
12	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	4	2,400	254,000	7,297
13	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	6	3,300	41,735	570
14	Ice, artificial	4	.....	227,100	11,417
15	Liquors, malt. (See also Bottling.)	4	.....	922,500	284,806
16	Lock and gun smithing	6	8,200	4,293	1,317
17	Lumber, planing mill products, including sash, doors, and blinds	7	24,550	75,225	7,019
18	Marble and stone work. (See also Monuments and tombstones.)	3	3,500	30,550	2,885
19	Masonry, brick and stone. (See also Plastering and stuccowork.)	18	9,400	109,600	10,798
20	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	4	7,460	3,230	1,000
21	Millinery, custom work	11	35,900	10,763	4,490
22	Mineral and soda waters. (See also Bottling.)	5	1,700	16,140	4,538
23	Painting and paper hanging	11	12,820	22,005	2,671
24	Photography	8	41,755	21,295	5,198
25	Plumbing and gas fitting	5	19,275	50,250	3,409
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	48,770	49,500	6,672

OF 20,000 AND OVER BY SPECIFIED INDUSTRIES: 1890—Continued.

SALT LAKE, UTAH—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
32	$23,702	7	$5,105	25	$18,597	.....	.....	$18,884	$74,400	7
58	38,527	10	9,403	36	20,924	12	$8,200	42,170	108,348	8
38	9,081	8	2,605	30	6,476	.....	.....	400	21,056	9
78	40,245	13	6,948	63	32,857	2	640	99,246	220,790	10
143	108,016	10	10,235	133	97,781	.....	.....	89,897	227,647	11
47	32,354	5	5,880	42	26,474	.....	.....	20,949	71,218	12
49	13,250	2	1,500	47	11,750	.....	.....	22,350	43,500	13
205	161,840	17	23,000	188	138,840	.....	.....	225,941	515,100	14
33	11,548	8	2,930	25	8,618	.....	.....	33,015	89,810	15
43	21,992	7	5,972	36	16,020	.....	.....	23,259	59,480	16
47	53,182	7	10,200	40	42,982	.....	.....	12,403	80,424	17
98	74,936	10	11,900	88	63,036	.....	.....	156,410	270,000	18
85	59,124	17	19,324	68	39,800	.....	.....	25,739	109,700	19
244	177,576	30	36,870	185	117,758	29	22,948	89,724	431,805	20
57	38,302	9	7,200	47	30,102	1	1,000	55,756	97,201	21
28	13,800	3	2,200	25	11,600	.....	.....	210	42,500	22
56	46,700	14	16,470	42	30,230	.....	.....	62,572	133,439	23
53	40,517	2	1,616	6	2,981	45	35,920	42,037	103,497	24
16	9,249	5	3,510	11	5,739	.....	.....	8,260	30,400	25
486	321,181	65	64,489	420	256,276	1	416	815,466	1,450,019	26

and gun smithing, 1; looking-glass and picture frames, 2; marble and stone work, 1; masonry, brick and stone, 2; monuments and tombstones, 1; paper, 1; patent medicines and compounds, 1; photography, 2; plastering and stuccowork, 1; show cases, 2; slaughtering, wholesale, not including meat packing, 2; soap and candles, 2; watch, clock, and jewelry repairing, 1; wood, turned and carved, 1; woolen goods, 1.

SAN ANTONIO, TEX.

2,441	1,634,306	419	417,370	1,960	1,163,998	62	52,938	2,387,984	5,623,612	1
70	43,336	24	21,414	43	21,102	3	820	23,976	89,420	2
37	23,924	22	15,864	6	3,100	9	4,960	13,754	51,435	3
54	36,780	16	16,698	38	20,082	.....	.....	107,497	196,286	4
75	53,289	12	12,424	63	40,865	.....	.....	58,080	123,500	5
37	26,588	8	8,800	28	17,188	1	600	28,144	65,095	6
29	24,128	7	6,520	7	4,240	15	13,368	20,600	52,400	7
107	40,742	23	14,584	84	26,158	.....	.....	99,116	185,550	8
7	6,980	3	3,360	4	3,620	.....	.....	9,200	24,000	9
55	35,510	16	15,940	39	19,570	.....	.....	73,153	144,845	10
11	5,942	3	2,900	8	3,042	.....	.....	1,950	10,900	11
131	92,600	16	20,820	115	71,780	.....	.....	97,145	279,055	12
18	10,102	7	3,910	11	6,192	.....	.....	10,460	26,000	13
52	28,353	6	5,200	46	23,153	.....	.....	26,015	105,875	14
195	147,623	24	41,235	171	106,388	.....	.....	278,807	903,727	15
6	4,320	5	3,620	1	700	.....	.....	1,783	8,580	16
118	86,154	9	10,616	109	75,538	.....	.....	72,575	203,500	17
76	50,611	8	6,365	68	44,246	.....	.....	32,780	114,000	18
302	215,772	26	36,144	276	179,628	.....	.....	458,005	803,000	19
11	6,692	4	2,788	7	3,904	.....	.....	13,450	24,800	20
45	21,141	14	9,200	31	11,941	.....	.....	40,000	86,200	21
21	13,096	7	6,860	14	6,236	.....	.....	12,048	41,814	22
50	40,980	11	12,244	35	25,906	4	2,830	34,455	88,950	23
21	16,244	7	8,160	14	8,084	.....	.....	7,985	36,500	24
54	40,362	8	9,744	46	30,618	.....	.....	105,350	201,300	25
72	50,546	15	12,588	53	34,836	4	3,122	30,387	98,450	26

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SAN ANTONIO, TEX.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	11	$72,300	$106,392	$55,526
28	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	5	4,100	19,975	1,509
29	Saddlery and harness	9	83,635	181,500	14,728
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	4	3,927	24,400	841
31	Watch, clock, and jewelry repairing	10	28,023	28,473	3,614
32	All other industries (a)	52	76,555	477,534	26,942

a Embraces awnings, tents, and sails, 1; bluing, 1; bookbinding and blank-book making, 1; boot and shoe uppers, 1; bottling, 1; brick and tile, 1; brooms and brushes, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 2; cars and general shop construction and repairs by street railroad companies, 1; clay and pottery products, 1; coffee and spice, roasting and grinding, 1; cooperage, 1; cotton, ginning, 1; druggists' preparations, not including prescriptions, 2; engraving and diesinking, 1; fancy articles, not elsewhere specified, 2; flouring and grist mill

SAN FRANCISCO, CAL.

1	All industries	4,059	30,576,810	74,834,301	8,322,483
2	Ammunition	3	15,250	51,440	1,424
3	Artificial feathers and flowers. (See also Millinery and lace goods.)	6	21,225	3,692	1,685
4	Awnings, tents, and sails	12	72,825	57,925	7,315
5	Axle grease	3	5,250	50,550	1,926
6	Bags, other than paper	5	104,000	221,050	18,298
7	Baskets and rattan and willow ware	8	40,725	28,242	4,338
8	Belting and hose, leather	4	84,575	126,838	12,639
9	Billiard tables and materials	4	39,100	48,780	5,976
10	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	114	358,000	233,722	38,530
11	Bookbinding and blank-book making. (See also Printing and publishing.)	17	130,450	147,964	15,562
12	Boot and shoe uppers	7	27,300	20,590	2,302
13	Boots and shoes, custom work and repairing	242	516,750	117,937	43,352
14	Boots and shoes, factory product	55	751,442	1,674,175	137,546
15	Boxes, cigar	6	72,550	111,150	14,043
16	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	6	107,000	82,300	10,374
17	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	7	155,100	488,100	57,907
18	Brass castings and brass finishing. (See also Plumbers' supplies.)	9	72,250	158,406	20,101
19	Brassware	3	11,600	6,860	1,279
20	Bread and other bakery products	149	1,046,700	910,014	282,407
21	Brick and tile. (See also Clay and pottery products.)	4	8,555	427,706	24,002
22	Bridges	6	55,080	162,075	29,281
23	Brooms and brushes	11	58,510	42,030	6,210
24	Carpentering	170	425,600	629,463	305,835
25	Carriage and wagon materials	9	33,150	56,347	3,923
26	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	72	481,000	605,942	63,745
27	Cars and general shop construction and repairs by street railroad companies.	10	34,450	107,414	7,213
28	Chemicals. (See also Fertilizers; Paints; Varnish.)	13	96,000	729,136	39,658
29	Clothing, men's, custom work and repairing	259	2,432,750	1,108,785	286,573
30	Clothing, men's, factory product	119	580,493	718,047	56,929
31	Clothing, women's, dressmaking	253	969,475	231,143	78,974
32	Clothing, women's, factory product	70	483,490	628,552	74,435
33	Coffee and spice, roasting and grinding	19	622,450	1,411,828	96,434
34	Confectionery	43	732,350	395,648	63,506
35	Cooperage	24	157,700	689,771	37,733
36	Cordials and sirups	6	77,000	136,516	13,286
37	Cork, cutting	4	18,985	11,320	1,073
38	Corsets	8	30,000	2,174	2,334
39	Cutlery and edge tools. (See also Saws; Tools, not elsewhere specified.)	7	28,725	37,210	4,779
40	Dentistry, mechanical	117	581,075	106,094	42,734
41	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	29	83,550	39,370	9,640

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SAN ANTONIO, TEX.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
142	$119,524	24	$22,150	100	$74,660	18	$22,714	$47,454	$299,492	27
22	15,804	5	5,100	17	10,704	.....	.....	12,405	37,200	28
91	62,077	20	19,645	71	42,432	.....	.....	140,237	281,798	29
17	11,694	4	3,200	13	8,494	.....	.....	18,330	45,500	30
29	23,736	8	7,348	21	16,388	.....	.....	11,003	44,800	31
486	279,656	57	51,929	421	223,203	8	4,524	501,840	949,640	32

products, 2; fur goods, 1; furnishing goods, men's, 1; furs, dressed, 1; hairwork, 1; hand stamps, 1; ironwork, architectural and ornamental, 2; leather, dressed skins, 2; leather, tanned and curried, 2; lime and cement, 1; looking-glass and picture frames, 2; monuments and tombstones, 1; musical instruments and materials, not specified, 2; oil, cottonseed and cake, 1; patent medicines and compounds, 2; paving and paving materials, 2; plastering and stuccowork, 1; sewing machine repairing, 2; soap and candles, 2; tobacco, cigars and cigarettes, 1; trunks and valises, 1; wirework, including wire rope and cable, 1.

SAN FRANCISCO, CAL.

48,440	30,979,374	6,682	6,388,258	30,992	19,824,835	10,772	4,766,281	78,656,470	135,625,754	1
25	15,236	3	3,526	22	11,710	.....	.....	68,278	102,805	2
12	5,743	5	2,851	6	2,632	1	260	2,328	12,127	3
78	77,176	7	5,840	71	71,336	.....	.....	114,610	239,436	4
19	9,030	3	3,000	16	6,030	.....	.....	23,308	57,620	5
153	81,072	4	10,036	97	52,636	52	18,400	634,419	763,650	6
47	22,663	9	7,005	20	9,562	18	6,096	10,321	44,669	7
48	34,346	5	6,790	43	27,556	.....	.....	101,491	170,768	8
36	28,164	6	5,148	25	20,616	5	2,400	15,671	55,040	9
387	287,632	122	106,663	254	175,965	11	5,004	144,285	595,481	10
259	149,086	30	38,484	221	107,562	8	3,040	77,555	292,249	11
31	21,370	6	7,220	12	9,480	13	4,670	38,418	64,084	12
469	267,448	234	129,595	95	57,996	140	79,857	142,104	527,366	13
2,422	1,228,063	190	149,700	1,187	567,382	1,046	510,981	1,487,372	3,315,043	14
161	77,757	21	13,180	93	48,599	47	15,978	80,805	195,040	15
137	58,312	6	7,880	92	38,385	39	12,047	66,350	156,950	16
457	303,192	27	35,860	402	250,786	28	16,546	488,645	1,039,260	17
114	89,782	12	11,920	102	77,812	.....	.....	157,298	298,074	18
12	8,090	1	1,040	11	7,050	.....	.....	5,960	17,110	19
983	701,053	223	198,914	760	502,139	.....	.....	1,608,373	3,032,273	20
324	143,686	10	11,200	314	132,486	.....	.....	65,054	340,080	21
186	120,386	20	29,140	166	91,246	.....	.....	233,118	434,367	22
123	49,317	21	14,230	36	8,394	66	26,693	39,602	138,153	23
1,147	1,080,088	172	193,159	923	842,127	52	44,802	1,144,063	2,924,984	24
33	25,895	9	8,663	24	17,232	.....	.....	19,542	52,563	25
569	422,812	75	75,815	468	329,583	26	17,414	322,013	953,689	26
151	132,503	1	900	150	131,603	.....	.....	114,906	256,015	27
143	98,990	13	19,924	130	79,066	.....	.....	593,061	879,412	28
1,761	1,374,779	375	348,167	351	237,770	1,035	788,842	1,444,768	3,718,646	29
1,876	784,085	605	274,688	279	139,876	992	369,521	1,403,279	2,557,671	30
1,396	589,473	249	174,257	1,132	408,896	15	6,320	1,076,319	2,074,520	31
1,137	453,793	172	119,669	621	236,416	344	97,708	911,385	1,669,643	32
310	231,447	85	117,309	225	114,138	.....	.....	2,127,281	2,720,741	33
443	216,167	97	76,382	333	136,635	13	3,150	534,193	1,131,678	34
419	308,406	18	21,934	127	91,342	274	195,130	600,159	1,084,931	35
49	33,540	21	19,370	28	14,170	.....	.....	138,389	227,305	36
19	7,584	3	2,444	14	4,180	2	960	10,190	20,800	37
24	9,750	7	4,160	16	5,460	1	130	4,811	18,808	38
54	39,556	9	8,420	45	31,136	.....	.....	22,413	120,012	39
182	171,785	120	127,564	49	36,121	13	8,100	57,980	399,218	40
49	26,898	28	16,217	20	10,001	1	90	26,585	88,582	41

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SAN FRANCISCO, CAL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
42	Dyeing and cleaning	17	$98,850	$128,485	$18,470
43	Electroplating	7	33,950	14,695	3,452
44	Engraving and diesinking	14	29,750	4,695	2,474
45	Engraving, steel, including plate printing. (See also Lithographing and engraving; Photolitographing and engraving.)	6	21,000	9,995	1,773
46	Engraving, wood	8	20,750	3,495	1,800
47	Fancy articles, not elsewhere specified	14	40,000	14,193	3,245
48	Flavoring extracts	5	49,000	49,800	7,118
49	Flouring and grist mill products	11	151,670	1,100,500	153,238
50	Food preparations. (See also Fish, canning and preserving; Fruits and vegetables, canning and preserving.)	14	119,300	122,242	34,058
51	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	97	1,485,000	4,787,785	326,549
52	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	10	196,837	1,182,015	149,988
53	Fur goods. (See also Hats and caps, not including wool hats.)	8	192,425	482,300	14,718
54	Furnishing goods, men's. (See also Shirts.)	33	350,150	1,242,593	67,845
55	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds).	66	461,200	264,817	45,237
56	Furniture, chairs	3	52,500	37,050	4,734
57	Furniture, factory product	24	411,225	769,692	63,827
58	Gas and lamp fixtures. (See also Lamps and reflectors.)	5	114,000	79,600	10,733
59	Glass, cutting, staining, and ornamenting	8	32,550	87,820	5,422
60	Gloves and mittens. (See also Hosiery and knit goods; Woolen goods.)	15	238,750	542,025	33,016
61	Grease and tallow. (See also Axle grease; Soap and candles.)	4	2,000	103,360	9,595
62	Hairwork	17	214,800	31,300	16,960
63	Hand stamps	8	45,250	70,195	4,393
64	Hats and caps, not including wool hats. (See also Fur goods.)	16	92,300	80,125	8,261
65	Instruments, professional and scientific	7	35,775	33,160	4,947
66	Iron and steel, forgings	3	50,775	78,505	8,234
67	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	15	231,000	390,675	30,553
68	Ivory and bone work	3	5,000	2,200	555
69	Jewelry. (See also Watch, clock, and jewelry repairing.)	40	291,100	431,928	24,391
70	Lapidary work	4	7,200	5,005	591
71	Leather, tanned and curried	37	74,386	1,460,945	98,600
72	Liquors, malt	19	265,642	4,376,501	760,426
73	Liquors, vinous. (See also Liquors, distilled.)	11	210,200	925,735	36,912
74	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	7	160,775	356,134	33,026
75	Lock and gun smithing	38	83,150	33,245	7,715
76	Looking-glass and picture frames	24	210,550	354,950	30,699
77	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts; Wood, turned and carved.)	31	547,675	703,776	84,172
78	Malt. (See also Liquors, malt.)	6	.....	580,025	19,480
79	Marble and stone work. (See also Monuments and tombstones.)	16	141,775	335,080	21,772
80	Masonry, brick and stone. (See also Plastering and stucco work.)	10	70,050	222,900	23,690
81	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	8	102,000	107,932	12,351
82	Millinery and lace goods. (See also Artificial feathers and flowers.)	5	26,700	53,800	5,849
83	Millinery, custom work	70	725,700	188,506	59,818
84	Mineral and soda waters	15	83,275	287,181	18,207
85	Models and patterns	10	35,200	26,030	4,003
86	Monuments and tombstones. (See also Marble and stone work.)	13	52,275	82,830	7,448
87	Musical instruments and materials, not specified	10	23,300	7,070	2,350
88	Musical instruments, organs and materials	4	10,000	19,000	2,211
89	Musical instruments, pianos and materials	10	68,000	119,435	23,183
90	Oil, lubricating	5	121,400	180,411	18,711
91	Optical goods	3	25,750	12,225	2,047
92	Painting and paper hanging	104	426,150	253,932	49,761
93	Paints. (See also Chemicals; Varnish.)	5	210,000	387,631	39,848
94	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	36	149,000	149,077	69,431
95	Paving and paving materials	17	140,000	398,510	35,551
96	Perfumery and cosmetics. (See also Druggists' preparations, not including prescriptions.)	7	52,625	17,640	3,080

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SAN FRANCISCO, CAL.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
246	$174,396	22	$18,594	217	$146,562	7	$9,240	$44,041	$337,179	42
23	21,357	8	8,635	15	12,722	.....	.....	15,995	43,706	43
24	19,078	14	14,256	10	4,822	.....	.....	3,216	30,600	44
24	20,368	9	11,524	13	8,444	2	400	18,328	47,445	45
23	14,185	9	9,110	10	4,825	4	250	2,160	21,320	46
39	12,902	14	6,600	17	4,118	8	2,184	5,907	28,579	47
22	10,645	7	5,670	15	4,975	.....	.....	29,830	60,740	48
218	194,684	36	56,195	182	138,489	.....	.....	2,998,170	3,559,066	49
116	69,733	26	21,376	90	48,357	.....	.....	257,707	430,928	50
2,796	2,377,152	214	285,549	2,570	2,088,343	12	3,260	2,801,666	6,445,443	51
2,107	363,144	39	42,099	494	129,397	1,574	191,648	1,860,912	2,826,700	52
158	84,010	13	17,960	123	59,010	22	7,040	813,045	1,227,809	53
1,082	466,307	105	62,181	90	54,748	887	349,378	1,559,130	2,398,362	54
335	268,136	80	77,443	222	163,492	33	27,201	297,250	744,730	55
43	26,236	6	7,700	36	17,736	1	800	24,326	62,600	56
649	481,606	41	53,704	455	321,304	153	106,598	381,447	1,166,004	57
84	63,718	7	8,824	77	54,894	.....	.....	37,775	130,525	58
92	71,263	10	9,868	81	60,795	1	600	40,520	151,792	59
426	283,884	43	51,942	207	98,186	176	83,756	308,003	696,550	60
21	15,796	8	6,516	13	9,280	.....	.....	130,984	166,230	61
80	44,159	18	16,967	62	27,192	.....	.....	18,687	94,697	62
40	30,390	10	12,148	30	18,242	.....	.....	24,433	85,300	63
120	71,613	19	14,037	37	19,548	73	38,028	72,119	179,077	64
25	22,060	7	7,140	17	14,140	1	780	7,142	43,035	65
44	34,024	6	8,500	38	25,524	.....	.....	156,023	234,439	66
297	241,638	21	24,880	254	200,514	22	16,244	359,109	783,717	67
7	3,842	1	416	6	3,426	.....	.....	1,749	9,100	68
280	253,119	54	65,738	218	182,721	8	4,660	1,093,976	1,512,571	69
8	8,066	5	6,116	3	1,950	.....	.....	3,220	14,500	70
623	437,441	56	61,482	558	369,035	9	6,924	2,170,392	2,918,419	71
542	545,323	61	89,890	481	455,433	.....	.....	919,735	2,896,054	72
158	110,844	29	48,200	123	62,129	6	455	420,031	837,550	73
242	169,922	18	28,465	220	138,537	4	2,920	132,484	367,588	74
67	41,361	37	23,971	28	16,376	2	1,014	14,196	72,796	75
178	124,956	45	37,150	129	85,956	4	1,850	96,030	310,864	76
847	667,129	61	75,411	786	591,718	.....	.....	708,922	1,685,854	77
64	56,604	8	12,540	56	44,064	.....	.....	374,233	521,710	78
222	210,383	24	29,115	197	180,748	1	520	306,956	622,447	79
197	219,942	10	23,334	187	196,608	.....	.....	478,791	799,030	80
129	77,626	10	8,285	95	54,979	24	14,362	124,014	248,246	81
60	31,234	8	8,460	52	22,774	.....	.....	88,445	151,368	82
304	154,604	104	72,132	196	80,762	4	1,800	278,117	666,891	83
99	76,770	24	22,382	75	54,388	.....	.....	54,301	264,356	84
36	31,125	9	7,884	27	23,241	.....	.....	5,803	50,506	85
87	87,950	17	23,340	69	63,610	1	1,000	91,050	223,269	86
14	9,240	10	7,316	3	1,724	1	200	1,378	14,493	87
10	10,954	3	4,260	5	4,174	2	2,520	4,229	21,916	88
52	47,154	11	11,876	38	33,278	3	2,000	49,042	180,860	89
53	54,654	16	20,150	37	34,504	.....	.....	227,170	406,529	90
14	10,064	3	1,800	11	8,264	.....	.....	14,810	36,500	91
794	694,463	124	136,960	626	534,228	44	23,275	378,866	1,369,358	92
109	82,413	12	15,227	97	67,186	.....	.....	595,925	972,391	93
92	62,052	35	29,322	54	31,042	3	1,688	94,919	327,294	94
689	546,491	43	71,351	646	475,140	.....	.....	719,316	1,542,460	95
22	12,023	6	4,465	16	7,558	.....	.....	22,718	60,905	96

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SAN FRANCISCO, CAL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
97	Photographic materials	3	$3,650	$63,985	$628
98	Photography	49	533,800	138,848	47,661
99	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	5	21,750	13,150	2,572
100	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	10	63,100	237,555	17,798
101	Plastering and stuccowork. (See also Masonry, brick and stone.)	10	34,100	106,815	3,852
102	Plumbers' supplies. (See also Brass castings and brass finishing.)	3	71,200	97,550	10,280
103	Plumbing and gas fitting	116	400,750	393,847	49,372
104	Printing and publishing, book and job. (See also Bookbinding and blank-book making; Printing and publishing, music.)	78	680,225	978,329	164,260
105	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	110	1,329,050	2,591,782	676,009
106	Regalia and society banners and emblems	3	15,450	25,875	1,257
107	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	24	117,500	143,832	16,773
108	Saddlery and harness	53	253,200	1,357,793	63,193
109	Safes and vaults	4	44,350	23,715	4,088
110	Sausage. (See also Slaughtering.)	17	56,750	17,763	6,571
111	Saws	3	31,575	154,270	19,737
112	Shipbuilding	25	70,200	1,784,548	374,428
113	Shirts. (See also Furnishing goods, men's.)	49	200,400	311,571	63,571
114	Showcases	6	58,200	27,035	4,678
115	Silk and silk goods	9	99,260	112,283	10,438
116	Slaughtering and meat packing, wholesale. (See also Sausage.)	5	35,275	439,190	24,484
117	Slaughtering, wholesale, not including meat packing. (See also Sausage.)	20	300,300	1,152,679	201,775
118	Soap and candles. (See also Grease and tallow.)	15	167,500	766,300	92,154
119	Sporting goods	3	6,350	2,450	486
120	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	4	20,100	13,150	2,418
121	Stencils and brands	5	10,750	4,130	1,450
122	Stereotyping and electrotyping. (See also Type founding.)	3	57,750	85,245	11,230
123	Sugar and molasses, refining	3	49,575	5,509,965	598,118
124	Surgical appliances. (See also Artificial limbs.)	12	65,700	21,095	5,083
125	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	63	658,260	1,279,156	112,744
126	Tobacco, chewing, smoking, and snuff	3	35,100	19,410	10,514
127	Tobacco, cigars and cigarettes	165	1,048,000	1,729,975	388,602
128	Tools, not elsewhere specified. (See also Cutlery and edge tools.)	8	20,000	143,995	5,773
129	Trunks and valises	7	99,125	217,870	18,410
130	Umbrellas and canes	8	39,100	16,070	3,476
131	Upholstery materials. (See also Woolen goods.)	3	.....	36,950	1,094
132	Varnish. (See also Paints.)	3	6,000	38,300	7,788
133	Vinegar and cider	4	22,100	19,404	9,492
134	Watch, clock, and jewelry repairing. (See also Jewelry.)	88	281,000	53,110	23,288
135	Window shades	6	62,600	37,700	5,807
136	Wirework, including wire rope and cable. (See also Mattresses and spring beds.	14	130,000	875,445	38,347
137	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	20	61,700	27,465	6,457
138	All other industries (*a*)	104	2,602,650	17,157,620	763,070

a Embraces agricultural implements, 2; artificial limbs, 1; artists' materials, 2; babbitt metal and solder, 1; bags, paper, 1; baking and yeast powders, 1; bellows, 1; belting and hose, rubber, 1; bluing, 1; boot and shoe cut stock, 1; calcium lights, 1; card cutting and designing, 1; carpets, rag, 1; cars and general shop construction and repairs by steam railroad companies, 1; cars, street railroad, not including operations of railroad companies, 1; china, decorating, 2; chocolate and cocoa products, 1; clay and pottery products, 1; cleansing and polishing preparations, 1; clothing, men's, factory product, buttonholes, 2; coffins, burial cases, and undertakers' goods, 1; cordage and twine, 1; drug grinding, 1; electrical apparatus and supplies, 1; enameling, 1; fertilizers, 2; fireworks, 1; fish, canning and preserving, 2; foundry supplies, 1; gas, illuminating and heating, 2; gas machines and meters, 1; gas stoves, 2; glass, 1; glue, 2; gold and silver, leaf and foil, 1; hand knit goods, 1; hardware, saddlery, 1; hosiery and knit goods, 2; house furnishing goods, not elsewhere specified, 2; ice, artificial, 2; ink,

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SAN FRANCISCO, CAL.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
5	$3,700	2	$1,720	3	$1,980	.....	.....	$25,975	$35,300	97
210	158,388	62	59,754	136	88,724	12	$9,910	77,039	364,214	98
30	17,584	5	4,960	25	12,624	.....	.....	3,524	31,175	99
87	63,942	23	26,684	62	36,388	2	870	136,002	294,001	100
99	101,732	13	13,160	86	88,572	.....	.....	56,974	191,340	101
90	45,776	4	3,444	86	42,332	.....	.....	77,410	169,600	102
824	615,458	133	142,447	685	468,057	6	4,954	702,335	1,660,346	103
1,011	649,034	115	130,282	795	462,006	101	56,746	424,164	1,448,623	104
1,624	1,586,237	298	381,536	1,051	918,717	275	285,984	985,635	3,971,990	105
19	15,326	2	5,560	15	9,416	2	350	16,325	55,700	106
187	132,703	33	24,686	148	106,847	6	1,230	135,202	343,478	107
508	297,483	80	68,798	322	176,373	106	52,312	423,570	932,313	108
21	15,470	5	5,580	16	9,890	.....	.....	12,136	30,480	109
40	22,783	19	12,067	21	10,716	.....	.....	66,479	104,804	110
52	48,272	7	9,816	45	38,456	.....	.....	27,996	118,150	111
1,386	1,142,816	12	55,606	1,325	1,069,450	49	17,760	1,099,138	2,916,373	112
1,085	465,450	101	75,216	579	223,184	405	167,050	931,766	1,708,778	113
27	22,044	8	8,212	19	13,832	.....	.....	17,960	65,836	114
214	83,566	11	15,276	199	65,796	4	2,494	146,406	271,912	115
63	50,067	10	11,740	53	38,327	.....	.....	528,773	661,011	116
272	270,660	76	110,350	195	160,035	1	275	5,047,028	6,009,463	117
217	153,886	39	55,190	167	94,586	11	4,110	655,986	992,700	118
8	5,722	2	1,820	5	3,692	1	210	5,329	12,887	119
28	14,416	4	2,700	6	3,216	18	8,500	13,216	43,400	120
10	8,456	5	5,610	5	2,846	.....	.....	2,050	16,928	121
57	47,547	5	9,240	28	18,307	24	20,000	9,946	72,876	122
751	538,648	28	47,295	723	491,353	.....	.....	20,822,965	22,673,850	123
32	21,975	12	9,828	18	11,324	2	823	11,988	46,184	124
719	418,368	82	80,310	614	326,018	23	12,040	1,159,513	1,852,979	125
30	14,696	4	4,660	20	8,476	6	1,560	61,352	90,905	126
2,617	1,148,339	333	255,994	195	65,298	2,089	827,047	893,001	2,792,795	127
64	56,360	12	10,440	50	45,170	2	750	41,494	144,470	128
146	103,537	17	23,064	114	68,773	15	11,700	170,713	358,057	129
22	16,580	11	9,532	9	5,488	2	1,560	14,870	48,211	130
18	9,092	2	1,980	16	7,112	.....	.....	13,618	27,100	131
14	10,232	5	4,800	9	5,432	.....	.....	35,190	61,110	132
19	17,868	9	8,944	10	8,924	.....	.....	25,110	54,893	133
150	118,632	84	76,531	58	39,186	8	2,915	39,818	209,225	134
27	18,052	6	5,760	18	11,292	3	1,000	47,336	84,776	135
307	189,939	34	37,789	217	123,805	56	28,345	798,974	1,058,531	136
68	55,426	22	21,446	44	32,950	2	1,030	13,791	87,867	137
3,900	2,147,124	287	333,651	3,406	1,705,451	207	108,022	5,013,838	9,667,921	138

printing, 2; ink, writing, 1; iron and steel, 1; iron and steel, bolts, nuts, washers, and rivets, 1; japanning, 1; jewelry and instrument cases, 2; kaolin and other earth grinding, 2; lamps and reflectors, 1; lasts, 2; lead, bar, pipe, and sheet, 1; liquors, distilled, 1; lumber and other mill products from logs or bolts, 1; mantels, slate, marble, and marbleized, 1; matches, 2; mirrors, 1; oakum, 1; oil, illuminating, not including petroleum, refining, 1; oil, linseed, 2; paper patterns, 2; pens, gold, 1; pipes, tobacco, 2; printing and publishing, music, 1; printing materials, 1; pulp from fiber, other than wood, 1; rubber and elastic goods, 2; sewing machine repairing, 1; sewing machines and attachments, 1; silversmithing, 1; springs, steel, car and carriage, 1; stamped ware, 2; stationery goods, not elsewhere specified, 1; taxidermy, 2; toys and games, 1; type founding, 2; washing machines and clothes wringers, 1; wheelbarrows, 1; whips, 1; woodenware, not elsewhere specified, 1; woolen goods, 2.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SAVANNAH, GA.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	244	$779,298	$5,379,774	$484,497
2	Blacksmithing and wheelwrighting	18	32,000	44,460	5,572
3	Boots and shoes, custom work and repairing	9	7,700	2,130	1,064
4	Bread and other bakery products	25	59,000	137,232	15,260
5	Carpentering	11	8,650	14,170	2,087
6	Clothing, men's, custom work and repairing	15	36,000	24,065	5,201
7	Clothing, women's, dressmaking	8	5,250	3,787	741
8	Coffins and burial cases, trimming and finishing	5	11,300	34,300	1,736
9	Dentistry, mechanical	3	5,100	575	489
10	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	5	7,600	8,850	890
11	Fertilizers	4	60,000	1,050,969	159,689
12	Flouring and grist mill products	3	14,800	42,500	4,356
13	Foundry and machine shop products	4	.....	197,500	3,570
14	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	5	9,000	1,815	1,202
15	Lock and gun smithing	5	7,050	4,215	912
16	Lumber, planing mill products, including sash, doors, and blinds	6	23,000	274,309	17,452
17	Mattresses and spring beds. (See also Furniture.)	3	1,180	8,775	667
18	Minera. and soda waters. (See also Bottling.)	3	7,700	5,225	1,103
19	Painting and paper hanging	11	9,250	49,480	2,093
20	Photography	6	26,000	3,995	3,356
21	Plumbing and gas fitting	11	14,000	27,650	2,972
22	Printing and publishing, book and job	7	55,000	92,250	8,469
23	Printing and publishing, newspapers and periodicals	8	19,000	558,390	42,217
24	Rice, cleaning and polishing	3	.....	455,000	11,792
25	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	3	7,700	10,780	1,348
26	Saddlery and harness	5	8,650	5,740	1,118
27	Shipbuilding	4	4,100	156,100	9,384
28	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	5	10,700	17,750	1,610
29	Tobacco, cigars and cigarettes	4	4,900	2,781	1,463
30	Watch, clock, and jewelry repairing. (See also Jewelry.)	13	21,500	7,290	2,727
31	All other industries (a)	32	312,168	1,737,691	173,957

a Embraces boot and shoe uppers, 1; bottling, 2; brick and tile, 2; coffee and spice, roasting and grinding, 1; confectionery, 2; cooperage, 1; cotton, compressing, 2; gas, illuminating and heating, 1; hairwork, 2; hats and caps, not including wool hats, 1; ice, artificial, 1; jewelry, 1; liquors, malt, 1; marble and stone work, 1; masonry, brick and stone, 1; millinery,

SCRANTON, PA.

1	All industries	177	539,600	16,237,271	874,621
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	18	21,000	28,880	2,760
3	Bread and other bakery products	5	17,000	69,400	6,677
4	Brick and tile	4	36,050	38,000	5,515
5	Carpentering	6	3,400	88,800	11,730
6	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	9	10,650	194,350	5,937
7	Clothing, men's, custom work and repairing	18	54,500	77,650	7,061
8	Coffins and burial cases, trimming and finishing	5	3,200	63,000	3,167
9	Flouring and grist mill products	5	17,100	352,624	13,823
10	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	5	3,000	2,184,345	117,960
11	Iron and steel	4	.....	8,840,706	352,136
12	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	.....	21,800	998
13	Liquors, malt	3	.....	471,700	107,439
14	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts.)	8	24,360	405,176	12,950
15	Marble and stone work. (See also Monuments and tombstones.)	5	6,000	41,300	2,949
16	Photography	9	54,190	17,525	5,816
17	Plumbing and gas fitting	7	53,750	199,084	8,323
18	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	13	44,000	146,750	23,787
19	Saddlery and harness	5	22,100	19,392	2,245

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—*Continued.*

SAVANNAH, GA.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
2,760	$1,362,120	341	$302,772	2,213	$995,396	206	$63,952	$3,297,804	$6,319,066	1
127	70,781	15	13,745	110	56,256	2	780	25,046	136,567	2
19	10,235	8	3,733	1	364	10	6,138	3,393	15,996	3
154	63,513	27	16,733	127	46,780	.....	.....	317,446	482,855	4
87	51,146	8	5,980	71	42,666	8	2,500	74,879	149,374	5
70	38,886	11	7,793	30	13,210	29	17,883	30,280	85,229	6
36	10,882	4	1,872	25	7,910	7	1,100	1,655	18,500	7
13	6,162	6	3,100	5	2,178	2	884	10,773	30,510	8
4	4,728	3	3,958	1	770	.....	.....	1,321	9,209	9
17	3,305	5	1,539	12	1,766	.....	.....	7,120	17,150	10
230	121,133	34	47,600	196	73,533	.....	.....	718,689	1,262,061	11
19	8,964	3	3,120	16	5,844	.....	.....	122,959	146,150	12
147	98,699	9	10,880	138	87,819	.....	.....	65,840	252,535	13
14	6,351	5	2,919	8	3,072	1	360	3,845	14,648	14
10	5,448	4	3,100	6	2,348	.....	.....	2,133	9,312	15
369	178,386	25	25,636	334	152,570	10	180	179,656	439,923	16
16	6,128	2	1,248	14	4,880	.....	.....	5,899	14,700	17
17	5,036	2	1,092	15	3,944	.....	.....	6,642	26,500	18
102	56,838	12	9,228	84	46,410	6	1,200	41,770	122,900	19
14	10,148	6	4,780	8	5,368	.....	.....	7,176	24,520	20
46	25,321	11	8,511	35	16,810	.....	.....	34,606	80,020	21
57	34,275	11	9,284	45	24,206	1	785	27,877	91,246	22
161	116,193	24	25,604	120	84,029	17	6,560	152,166	354,766	23
85	34,776	15	12,716	70	22,060	.....	.....	684,396	914,611	24
40	23,594	2	1,248	38	22,346	.....	.....	32,935	67,200	25
12	7,397	4	2,327	8	5,070	.....	.....	4,158	14,628	26
118	61,134	6	6,080	112	55,054	.....	.....	45,716	126,300	27
23	13,747	5	4,463	18	9,284	.....	.....	18,370	40,776	28
10	4,215	1	600	5	1,624	4	1,991	3,180	9,547	29
19	11,762	8	4,147	8	6,474	3	1,141	2,270	16,874	30
724	272,937	65	59,736	553	190,751	106	22,450	665,617	1,344,467	31

custom work, 2; monuments and tombstones, 1; oil, cottonseed and cake, 1; oil, resin, 1; patent medicines and compounds, 2; paving and paving materials, 1; plastering and stuccowork, 1; soap and candles, 1; stencils and brands, 1; trunks and valises, 1.

SCRANTON, PA.

9,123	4,273,012	298	344,178	8,338	3,711,601	487	217,233	16,922,753	24,341,745	1
32	14,947	12	6,614	20	8,333	.....	.....	11,156	37,150	2
71	27,768	10	5,780	61	21,988	.....	.....	130,471	191,336	3
109	31,205	.....	.....	109	31,205	.....	.....	7,809	55,200	4
78	51,760	5	6,085	73	45,675	.....	.....	111,260	203,500	5
145	62,875	7	4,570	137	57,305	1	1,000	77,430	174,279	6
149	65,688	7	7,500	54	25,163	88	33,025	85,690	202,630	7
12	6,622	.....	.....	12	6,622	.....	.....	10,860	25,330	8
54	35,263	9	10,700	45	24,563	.....	.....	685,002	777,130	9
985	488,824	44	52,931	860	400,822	81	35,071	518,452	1,296,705	10
3,208	1,726,229	24	97,485	3,274	1,628,744	.....	.....	10,716,206	13,278,299	11
19	9,119	.....	.....	19	9,119	.....	.....	15,800	36,600	12
95	66,140	6	5,600	89	60,540	.....	.....	289,580	593,390	13
229	196,020	28	21,900	195	110,120	6	3,000	326,985	661,100	14
84	53,338	6	5,340	78	47,998	.....	.....	48,070	114,400	15
34	14,892	9	5,646	25	9,246	.....	.....	16,708	52,100	16
162	95,396	17	17,680	145	77,716	.....	.....	133,479	258,423	17
173	81,487	18	12,116	133	54,907	22	14,464	32,937	173,965	18
26	11,592	1	1,040	25	10,552	.....	.....	27,837	47,901	19

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SCRANTON, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
20	Silk and silk goods	3	$11,000	$409,000	$19,250
21	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	6	54,000	66,976	17,809
22	Wirework, including wire rope and cable	3	1,400	29,050	540
23	All other industries (a)	33	102,900	2,470,863	145,749

a Embraces bookbinding and blank-book making, 1; boxes, fancy and paper, 1; brass castings and brass finishing, 1; brooms and brushes, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 1; coffins, burial cases, and undertakers' goods, 1; confectionery, 2; cutlery and edge tools, 1; furniture, cabinetmaking, repairing and upholstering, 1; gas, illuminating and heating, 1; glass, 1; hats and caps, not including wool

SEATTLE, WASH.

1	All industries (a)	331	1,046,434	4,758,283	495,061
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	12	32,550	33,200	5,976
3	Boots and shoes, custom work and repairing	22	24,765	5,900	4,078
4	Bread and other bakery products	11	59,580	45,700	10,853
5	Brick and tile	7	34,220	321,305	17,269
6	Carpentering	25	35,592	43,350	5,728
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	20,028	37,450	3,356
8	Clothing, men's, custom work and repairing	16	88,790	79,750	18,470
9	Clothing, women's, dressmaking	18	38,300	10,900	4,675
10	Confectionery	6	28,146	54,675	5,160
11	Dyeing and cleaning	3	5,200	1,580	1,130
12	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	9	62,008	462,000	38,282
13	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product.)	6	10,130	39,850	5,308
14	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	5	15,540	46,825	3,052
15	Jewelry. (See also Watch, clock, and jewelry repairing.)	3	8,225	8,950	1,171
16	Liquors, malt. (See also Bottling.)	3	.....	722,000	84,850
17	Lumber and other mill products from logs or bolts	16	25,175	1,343,951	98,972
18	Lumber, planing mill products, including sash, doors, and blinds	9	43,370	167,750	22,130
19	Marble and stone work. (See also Monuments and tombstones.)	5	11,285	12,825	2,113
20	Masonry, brick and stone. (See also Plastering and stuccowork.)	5	340	3,200	36
21	Millinery, custom work	7	46,893	43,050	6,630
22	Monuments and tombstones. (See also Marble and stone work.)	3	9,585	13,250	1,890
23	Painting and paper hanging	10	16,530	15,750	3,765
24	Photography	7	26,440	7,295	3,537
25	Plumbing and gas fitting	14	54,725	162,961	11,086
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	10	58,840	101,461	12,529
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	10	60,135	262,155	57,125
28	Saddlery and harness	6	23,560	22,610	4,134
29	Shipbuilding	8	2,210	137,550	2,867
30	Soap and candles. (See also Grease and tallow.)	3	16,782	28,500	5,035
31	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	7	30,490	33,350	4,572
32	Tobacco, cigars and cigarettes	8	16,240	22,900	8,981
33	Watch, clock, and jewelry repairing. (See also Jewelry.)	17	27,235	15,700	4,045
34	All other industries (b)	36	113,525	450,590	36,256

a Includes returns from manufacturers of "Timber products, not manufactured at mill" having offices in Seattle. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to exactly locate its operations within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

b Embraces awnings, tents, and sails, 1; bookbinding and blank-book making, 2; bottling, 2; brass castings and brass finishing, 1; cars and general shop construction and repairs by steam railroad companies, 1; cooperage, 1; cutlery and edge

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SCRANTON, PA.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
905	$170,428	6	$5,500	899	$164,928	.....	.....	$1,614,710	$2,055,200	20
120	30,213	7	4,230	83	18,791	30	$7,192	35,124	94,116	21
12	7,144	4	3,060	8	4,084	.....	.....	9,055	26,000	22
2,331	1,087,062	78	70,401	1,994	893,180	259	123,481	2,018,132	3,986,991	23

hats, 1; hosiery and knit goods, 1; lime and cement, 1; lumber and other mill products from logs or bolts, 1; masonry, brick and stone, 2; mineral and soda waters, 2; monuments and tombstones, 1; painting and paper hanging, 2; patent medicines and compounds, 1; paving and paving materials, 1; slaughtering and meat packing, wholesale, 2; soap and candles, 1; tinsmithing, coppersmithing, and sheet-iron working, 2; tobacco, chewing, smoking, and snuff, 1; varnish, 1.

SEATTLE, WASH.

4,048	3,405,523	280	321,792	3,593	2,916,530	175	167,201	4,775,384	10,203,007	1
51	46,500	.....	.....	51	46,500	.....	.....	33,130	105,700	2
30	23,030	13	10,440	12	8,616	5	3,974	10,315	44,158	3
83	69,580	4	1,740	79	67,840	.....	.....	115,385	251,925	4
270	153,120	2	4,300	261	143,820	7	5,000	44,000	262,560	5
350	346,950	5	5,200	345	341,750	.....	.....	726,950	1,169,300	6
51	45,150	4	3,800	47	41,350	.....	.....	28,060	93,045	7
109	101,904	7	5,624	24	21,980	78	74,300	84,000	245,200	8
100	43,300	1	400	96	42,300	3	600	57,350	148,800	9
51	29,020	10	9,890	41	20,030	.....	.....	61,074	142,050	10
14	10,936	3	3,700	11	7,236	.....	.....	1,720	14,200	11
253	229,454	20	26,300	233	203,154	.....	.....	380,010	771,380	12
63	49,150	8	7,200	50	39,950	5	2,000	55,760	133,100	13
72	78,489	1	900	71	77,589	.....	.....	61,500	173,500	14
12	13,440	1	1,040	11	12,400	.....	.....	8,600	32,800	15
104	101,600	4	7,500	100	94,100	.....	.....	236,250	564,400	16
762	525,865	28	29,100	724	489,765	10	7,000	787,150	1,572,590	17
347	330,750	16	19,250	331	311,500	.....	.....	428,840	873,500	18
24	24,600	3	3,300	21	21,300	.....	.....	18,600	67,900	19
242	256,600	.....	.....	242	256,600	.....	.....	732,950	1,071,900	20
36	15,310	.....	.....	36	15,310	.....	.....	57,750	96,700	21
12	13,952	3	3,900	9	10,052	.....	.....	14,000	36,000	22
55	59,176	16	20,800	39	38,376	.....	.....	21,950	92,352	23
10	19,408	9	11,600	9	7,288	1	520	5,025	37,300	24
211	177,051	27	37,200	184	139,851	.....	.....	221,690	464,600	25
89	85,741	14	16,510	74	68,081	1	1,150	43,393	165,650	26
165	188,586	25	32,198	102	107,266	38	49,122	65,236	400,055	27
21	17,040	3	2,840	18	14,200	.....	.....	29,200	63,525	28
65	53,280	7	7,100	58	46,180	.....	.....	39,292	102,740	29
13	13,260	7	5,860	11	7,400	.....	.....	22,500	47,500	30
33	30,900	.....	.....	33	30,900	.....	.....	25,430	73,600	31
40	31,145	.....	.....	13	7,610	27	23,535	32,841	84,860	32
33	34,508	13	13,920	20	20,588	.....	.....	8,806	48,481	33
263	185,828	26	30,180	237	155,648	.....	.....	319,627	751,576	34

tools, 1; flavoring extracts, 1; fur goods, 1; furniture, factory product, 1; gas, illuminating and heating, 1; grease and tallow, 1; hand stamps, 2; iron and steel, doors and shutters, 1; lock and gun smithing, 2; looking-glass and picture frames, 1; millinery and lace goods, 1; mineral and soda waters, 2; paving and paving materials, 1; pickles, preserves, and sauces, 1; plastering and stuccowork, 2; roofing and roofing materials, 1; sausage, 1; show cases, 1; timber products, not manufactured at mill, 2; trunks and valises, 1; umbrellas and canes, 1; vinegar and cider, 2.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SIOUX CITY, IOWA.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	196	$1,575,175	$5,222,626	$494,489
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	10	$17,000	$17,005	$2,318
3	Boots and shoes, custom work and repairing	9	27,600	25,150	3,652
4	Bread and other bakery products	5	38,000	33,395	5,041
5	Brick and tile. (See also Clay and pottery products.)	3	.....	252,076	8,740
6	Carpentering	12	13,300	180,580	14,006
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	8,150	22,000	2,180
8	Clothing, men's, custom work and repairing	9	66,000	46,530	6,534
9	Clothing, women's, dressmaking	8	24,500	12,950	2,366
10	Confectionery	4	57,250	32,030	5,113
11	Dentistry, mechanical	5	12,050	5,225	1,182
12	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	5	45,125	16,000	4,742
13	Flouring and grist mill products	3	32,850	330,500	13,605
14	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	4	31,000	77,600	1,459
15	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	9,000	23,860	1,947
16	Lock and gun smithing	3	5,000	40,300	1,412
17	Lumber, planing mill products, including sash, doors, and blinds	4	11,950	164,927	7,844
18	Masonry, brick and stone. (See also Plastering and stuccowork.)	5	6,000	204,500	3,645
19	Millinery, custom work	9	95,000	24,830	8,308
20	Plumbing and gas fitting	8	39,000	115,375	7,009
21	Printing and publishing, book and job	3	12,400	17,900	1,747
22	Printing and publishing, newspapers and periodicals	13	72,000	295,143	43,012
23	Saddlery and harness	10	66,600	128,325	8,696
24	Slaughtering and meat packing, wholesale	3	647,150	1,662,736	192,373
25	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	9	64,000	35,515	7,927
26	Tobacco, cigars and cigarettes	6	32,250	40,000	6,386
27	Watch, clock, and jewelry repairing	5	40,000	7,600	4,269
28	All other industries (a)	34	102,000	1,410,565	128,976

a Embraces agricultural implements, 1; awnings, tents, and sails, 1; boxes, fancy and paper, 1; bridges, 1; cheese and butter, urban dairy product, 1; clay and pottery products, 1; coffee and spice, roasting and grinding, 1; coffins and burial cases, trimming and finishing, 2; cooperage, 1; cordials and sirups, 1; corsets, 1; foundry and machine shop products, 2; gas, illuminating and heating, 1; marble and stone work, 1; mattresses and spring beds, 1; mineral and soda waters, 2;

SOMERVILLE, MASS.

1	All industries	404	592,590	3,883,859	439,673
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	19	16,300	43,340	2,377
3	Boot and shoe cut stock	3	750	5,700	644
4	Boots and shoes, custom work and repairing	26	19,125	3,960	2,080
5	Bread and other bakery products	11	25,675	15,960	3,460
6	Carpentering	74	33,400	201,560	11,556
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	5	17,350	45,850	2,731
8	Clothing, men's, custom work and repairing	7	10,500	24,660	1,362
9	Clothing, women's, dressmaking	58	52,700	7,757	5,297
10	Confectionery	3	11,475	2,575	1,021
11	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product.)	9	22,100	10,470	1,584
12	Looking-glass and picture frames	3	6,875	61,002	1,782
13	Masonry, brick and stone. (See also Plastering and stuccowork.)	15	1,650	58,070	1,436
14	Millinery, custom work	8	13,400	4,800	1,375
15	Painting and paper hanging	52	28,900	36,270	4,300
16	Photography	3	5,600	7,950	596
17	Plastering and stuccowork. (See also Masonry, brick and stone.)	8	1,125	11,485	485
18	Plumbing and gas fitting	16	22,000	34,004	2,819
19	Printing and publishing, book and job	3	4,225	4,795	366
20	Printing and publishing, newspapers and periodicals	4	12,125	21,900	5,992
21	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	5	2,750	3,875	742

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SIOUX CITY, IOWA.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piece workers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
3,008	$1,871,425	379	$350,849	2,501	$1,412,158	128	$108,418	$10,295,190	$14,119,843	1
33	23,572	12	8,704	21	14,868	.....	.....	10,011	44,400	2
29	16,796	17	11,160	6	2,724	6	2,912	6,000	27,372	3
33	18,924	11	6,840	22	12,084	.....	.....	50,883	75,365	4
94	48,897	3	2,460	88	36,877	3	9,560	14,215	106,020	5
240	172,580	17	15,196	223	157,384	.....	.....	697,348	1,253,963	6
28	20,856	7	5,736	21	15,120	.....	.....	17,342	54,884	7
98	74,840	13	11,472	42	29,848	43	33,520	68,321	156,435	8
52	16,438	8	3,692	44	12,746	.....	.....	46,479	84,277	9
55	19,386	12	8,300	43	11,086	.....	.....	43,095	95,047	10
5	4,026	5	4,026	.....	.....	.....	.....	2,580	8,900	11
18	11,708	9	6,320	9	5,388	.....	.....	13,709	31,520	12
41	32,620	10	11,580	31	21,040	.....	.....	378,000	443,400	13
16	10,892	4	4,424	12	6,468	.....	.....	12,804	29,350	14
17	13,388	5	5,120	12	8,268	.....	.....	14,525	41,500	15
7	4,536	5	3,000	2	1,536	.....	.....	2,040	8,200	16
146	86,605	15	14,475	130	65,500	1	630	101,415	226,500	17
314	220,808	8	10,050	306	210,758	.....	.....	374,130	660,250	18
41	16,478	12	6,718	29	9,760	.....	.....	49,455	112,871	19
103	77,350	16	17,420	87	59,930	.....	.....	141,853	298,750	20
25	16,168	6	5,920	19	10,248	.....	.....	7,666	27,364	21
264	206,552	32	32,140	188	126,676	44	47,736	120,503	420,079	22
69	46,188	20	16,412	48	23,276	1	500	62,698	114,260	23
626	326,495	32	43,340	594	283,155	.....	.....	6,872,132	7,589,228	24
57	41,932	20	18,540	37	23,392	.....	.....	65,057	123,692	25
36	20,378	6	4,714	22	10,104	8	5,560	23,962	159,466	26
17	12,854	6	3,254	11	9,600	.....	.....	8,716	30,200	27
544	322,158	68	69,836	454	244,322	22	8,000	1,090,191	1,896,550	28

models and patterns, 1; monuments and tombstones, 2; oil, linseed, 1; patent medicines and compounds, 1; paving and paving materials, 2; pickles, preserves, and sauces, 1; plastering and stuccowork, 2; roofing and roofing materials, 1; soap and candles, 1; trunks and valises, 2; wirework, including wire rope and cable, 1.

SOMERVILLE, MASS.

3,285	1,783,979	496	426,942	2,559	1,263,382	230	93,655	4,420,128	7,307,522	1
42	29,706	19	15,638	23	14,068	.....	.....	13,451	51,444	2
38	10,400	5	2,644	9	3,375	24	4,381	6,438	17,744	3
38	16,743	22	11,134	9	3,760	7	1,849	6,841	27,250	4
62	30,779	20	9,195	42	21,584	.....	.....	75,724	122,132	5
528	389,506	83	83,480	445	306,026	.....	.....	532,623	1,068,441	6
32	18,920	6	5,370	22	12,250	4	1,300	27,367	50,000	7
38	19,042	6	4,686	29	13,356	3	1,000	15,095	38,350	8
139	49,886	58	36,573	77	19,278	4	35	11,323	75,006	9
10	5,080	6	3,580	4	1,500	.....	.....	6,000	13,700	10
30	15,728	7	4,710	18	9,108	5	1,910	10,800	32,151	11
79	55,519	3	3,665	56	37,028	20	14,826	28,160	105,500	12
241	148,216	16	17,547	225	130,669	.....	.....	237,266	401,560	13
17	6,875	7	3,980	10	2,895	.....	.....	4,910	14,200	14
215	141,482	57	48,980	158	92,502	.....	.....	53,657	210,746	15
9	5,024	3	3,224	2	900	4	900	3,990	10,300	16
78	58,836	10	10,000	50	37,836	18	11,000	35,555	97,900	17
75	51,213	20	18,024	55	33,189	.....	.....	85,691	152,573	18
7	3,786	3	2,780	2	506	2	500	1,755	5,776	19
45	25,713	9	9,148	33	16,315	3	250	9,606	45,809	20
16	9,810	5	4,560	11	5,250	.....	.....	15,328	25,400	21

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SOMERVILLE, MASS.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
22	Saddlery and harness	3	$3,975	$7,820	$477
23	Sausage. (See also Slaughtering and meat packing, wholesale.)	5	2,800	23,700	1,218
24	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	3	7,075	5,200	830
25	Tobacco, cigars and cigarettes	3	2,300	1,385	514
26	Watch, clock, and jewelry repairing	7	11,415	7,005	1,355
27	All other industries (a)	51	257,000	3,232,766	383,274

a Embraces boot and shoe findings, 1; brass, 1; brick and tile, 1; chemicals, 1; clay and pottery products, 2; coffins and burial cases, trimming and finishing, 1; coffins, burial cases, and undertakers' goods, 1; cooperage, 2; cordage and twine, 1; dyeing and cleaning, 1; dyeing and finishing textiles, 1; electrical apparatus and supplies, 2; flouring and grist mill products, 1; foundry and machine shop products, 2; fruits and vegetables, canning and preserving, 2; furniture, factory product, 2; glass, 1; grease and tallow, 2; hairwork, 1; hardware, 1; hats and caps, not including wool hats, 1; leather goods, 1; liquors,

SOUTH BEND, IND.

1	All industries	268	364,945	11,252,887	538,151
2	Agricultural implements	7	1,500	1,918,908	126,030
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	5	4,085	4,120	572
4	Boots and shoes, custom work and repairing	17	10,700	9,075	1,293
5	Bread and other bakery products	6	7,750	8,010	991
6	Brick and tile. (See also Clay and pottery products.)	4	25,300	29,680	3,703
7	Carpentering	6	3,775	20,635	426
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	10	18,750	6,876,953	237,814
9	Clothing, men's, custom work and repairing	13	16,450	38,120	2,143
10	Clothing, women's, dressmaking	13	23,555	18,355	2,557
11	Confectionery	3	8,650	6,000	783
12	Dentistry, mechanical	4	3,000	9,275	317
13	Flouring and grist mill products	3	4,100	101,550	3,535
14	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	4	2,250	66,638	4,169
15	Furniture, cabinetmaking, repairing and upholstering	3	7,650	15,490	1,006
16	Looking-glass and picture frames	3	4,525	3,965	516
17	Lumber and other mill products from logs or bolts	5	3,120	77,300	5,778
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	4	12,550	107,350	4,488
19	Masonry, brick and stone	3	4,300	44,300	478
20	Millinery, custom work	3	7,350	5,955	805
21	Painting and paper hanging	8	21,750	58,100	3,024
22	Patent medicines and compounds	8	7,400	7,727	3,854
23	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	3	10,125	15,035	1,448
24	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	5	26,475	51,250	11,250
25	Saddlery and harness	4	1,100	38,900	500
26	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	11	9,660	19,795	1,169
27	Tobacco, cigars and cigarettes	10	27,200	45,965	29,256
28	Watch, clock, and jewelry repairing	4	10,375	14,780	1,140
29	All other industries (a)	39	80,300	1,639,656	89,097

a Embraces bluing, 1; bookbinding and blank-book making, 2; brooms and brushes, 1; carriage and wagon materials, 1; clay and pottery products, 1; cooperage, 1; corsets, 1; dyeing and cleaning, 2; engraving, wood, 1; gas, illuminating and heating, 1; hand stamps, 1; hosiery and knit goods, 1; lime and cement, 1; lock and gun smithing, 2; monuments and

SPRINGFIELD, ILL.

1	All industries	374	687,000	3,641,415	303,368
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	12	8,300	24,525	2,023
3	Boots and shoes, custom work and repairing	19	15,700	17,206	1,667
4	Bottling. (See also Liquors, malt; Mineral and soda waters.)	3	2,900	11,255	383
5	Bread and other bakery products	9	21,600	29,125	2,019
6	Carpentering	57	21,300	273,925	7,039

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SOMERVILLE, MASS.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number	Wages.	Number.	Wages.	Number.	Wages.			
9	$5,600	3	$2,530	6	$3,070	.....	.....	$7,060	$15,200	22
18	10,878	6	3,800	12	7,078	.....	.....	37,625	55,234	23
10	6,566	3	2,250	7	4,316	.....	.....	5,200	13,400	24
5	1,556	3	976	1	500	1	$80	944	3,210	25
11	8,900	7	7,230	4	1,670	.....	.....	975	12,264	26
1,493	658,215	109	117,238	1,249	485,353	135	55,624	3,186,749	4,642,223	27

distilled, 1; lock and gun smithing, 1; lumber, planing mill products, including sash, doors, and blinds, 2; mats and matting, 1; models and patterns, 1; monuments and tombstones, 1; patent medicines and compounds, 1; paving and paving materials, 1; pickles, preserves, and sauces, 1; refrigerators, 1; slaughtering and meat packing, wholesale, 1; soap and candles, 2; tools, not elsewhere specified, 1; toys and games, 2; upholstery materials, 1; vinegar and cider, 2; window shades, 2.

SOUTH BEND, IND.

6,083	2,842,104	338	337,542	3,773	1,670,067	1,977	834,495	4,607,716	9,812,513	1
1,282	769,071	123	147,641	550	261,000	609	360,430	1,175,392	2,423,442	2
11	5,514	2	1,500	9	4,014	.....	.....	3,130	9,974	3
25	9,688	13	5,146	7	2,440	5	2,102	4,560	17,161	4
18	9,925	2	1,800	16	8,125	.....	.....	41,947	59,006	5
127	31,731	5	2,404	99	23,232	23	6,095	15,615	56,500	6
69	41,496	.....	.....	69	41,496	.....	.....	55,000	118,500	7
1,826	825,714	76	79,978	1,386	593,388	364	152,348	1,176,406	3,069,391	8
68	36,268	1	400	21	12,688	46	23,180	42,245	89,850	9
44	12,824	1	260	43	12,564	.....	.....	.....	19,400	10
16	5,948	2	2,200	7	2,092	7	756	10,295	19,350	11
5	4,830	3	3,250	2	1,580	.....	.....	1,800	7,050	12
26	14,128	.....	.....	24	12,328	2	1,800	353,065	396,374	13
84	45,706	4	3,600	80	42,106	.....	.....	120,105	187,300	14
11	7,450	4	2,900	7	4,550	.....	.....	5,700	20,100	15
5	1,894	3	794	2	1,100	.....	.....	2,850	5,400	16
48	18,348	7	3,820	41	14,528	.....	.....	25,175	56,825	17
32	17,066	3	2,340	27	14,417	2	309	51,970	86,512	18
85	74,100	.....	.....	85	74,100	.....	.....	68,000	148,000	19
10	2,520	.....	.....	10	2,520	.....	.....	7,100	11,550	20
55	35,434	1	312	54	35,122	.....	.....	47,050	104,200	21
28	11,308	5	1,678	22	9,580	1	50	8,206	33,350	22
33	13,062	6	4,226	26	8,644	1	192	10,092	26,075	23
74	34,830	13	8,558	57	23,824	4	2,448	27,080	79,595	24
20	9,477	3	1,813	17	7,664	.....	.....	13,400	24,210	25
34	17,703	1	400	33	17,303	.....	.....	27,168	57,200	26
221	68,567	5	3,185	20	7,672	196	57,710	64,632	181,180	27
6	3,744	.....	.....	6	3,744	.....	.....	1,175	8,100	28
1,825	713,758	55	59,337	1,053	427,346	717	227,075	1,248,528	2,496,912	29

tombstones, 2; paper, 2; perfumery and cosmetics, 1; photography, 2; plumbing and gas fitting, 2; pumps, not including steam pumps, 1; roofing and roofing materials, 1; sewing machine cases, 1; shirts, 2; soap and candles, 1; steam fittings and heating apparatus, 1; toys and games, 1; varnish, 1; vinegar and cider, 1; wood, turned and carved, 2; woolen goods, 1.

SPRINGFIELD, ILL.

3,269	1,745,158	416	354,851	2,631	1,292,712	222	97,595	3,790,754	6,562,470	1
29	19,493	11	8,623	18	10,870	.....	.....	6,730	47,385	2
24	11,220	15	6,980	7	3,450	2	790	6,254	19,889	3
11	5,772	5	3,540	6	2,232	.....	.....	9,183	17,974	4
33	26,117	7	5,353	26	13,764	.....	.....	47,578	95,362	5
355	193,937	46	39,190	309	154,747	.....	.....	272,915	573,675	6

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SPRINGFIELD, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	5	$14,700	$83,220	$4,576
8	Clothing, men's, custom work and repairing	16	77,900	65,140	7,255
9	Clothing, women's, dressmaking	86	62,950	34,596	4,535
10	Dentistry, mechanical	7	20,000	5,275	1,492
11	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	6	12,107	190,730	11,726
12	Furniture, cabinetmaking, repairing and upholstering	5	3,200	30,870	1,407
13	Looking-glass and picture frames	3	16,450	14,400	1,496
14	Lumber, planing mill products, including sash, doors, and blinds	3	7,252	58,500	3,430
15	Masonry, brick and stone. (See also Plastering and stuccowork.)	14	3,250	56,380	658
16	Millinery, custom work	7	75,000	57,055	6,180
17	Mineral and soda waters. (See also Bottling.)	3	1,245	15,300	333
18	Painting and paper hanging	8	15,000	64,650	2,605
19	Photography	6	20,800	8,980	2,073
20	Plastering and stuccowork. (See also Masonry, brick and stone.)	7	.....	4,235	75
21	Plumbing and gas fitting	5	14,600	24,450	1,671
22	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	3	12,200	88,200	3,014
23	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	9	64,646	95,985	15,843
24	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	11	45,600	31,700	5,137
25	Saddlery and harness	8	15,000	34,875	3,428
26	Tobacco, cigars and cigarettes	15	42,300	35,865	12,173
27	All other industries (*a*)	47	93,000	2,285,054	201,130

a Embraces agricultural implements, 1; awnings, tents, and sails, 1; bookbinding and blank-book making, 1; boot and shoe uppers, 1; brooms and brushes, 2; carpets, rag, 2; cars and general shop construction and repairs by steam railroad companies, 2; clothing, men's, factory product, 1; coffee and spice, roasting and grinding, 1; confectionery, 2; cooperage, 1; dyeing and cleaning, 1; flouring and grist mill products, 2; food preparations, 1; gas, illuminating and heating, 1; hosiery and knit goods, 1; ice, artificial, 1; iron and steel, 1; ironwork, architectural and ornamental, 1; kaolin and other earth grinding, 1;

SPRINGFIELD, MASS.

1	All industries	692	3,019,598	13,199,283	875,334
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	28	38,300	72,422	5,306
3	Boots and shoes, custom work and repairing	47	43,000	10,510	3,614
4	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	8	67,726	117,699	15,463
5	Brass castings and brass finishing	3	25,585	189,650	14,783
6	Bread and other bakery products	18	88,300	104,000	13,087
7	Brick and tile. (See also Clay and pottery products.)	5	35,000	176,000	17,121
8	Buttons	4	5,576	270,521	8,230
9	Carpentering	58	64,000	188,700	11,958
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	21,575	53,300	2,342
11	Cars and general shop construction and repairs by steam railroad companies.	3	.....	518,921	.....
12	Clothing, men's, custom work and repairing	19	82,200	88,352	10,272
13	Clothing, women's, dressmaking	129	104,000	41,354	17,838
14	Confectionery	3	80,185	24,448	5,909
15	Cotton goods. (See also Hosiery and knit goods.)	3	335,000	246,010	27,007
16	Dentistry, mechanical	15	20,000	7,345	1,714
17	Druggists' preparations, not including prescriptions	13	22,185	5,965	1,886
18	Electroplating	4	15,935	5,375	1,672
19	Engraving and diesinking	3	6,150	5,200	569
20	Engraving, wood	3	4,750	2,090	424
21	Envelopes	3	121,220	620,512	48,021
22	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	13	47,500	1,130,204	62,292
23	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	16	67,000	80,345	8,974
24	Hand stamps	4	19,250	33,852	4,896
25	Looking-glass and picture frames	6	20,300	11,583	2,007
26	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts; Wood, turned and carved.)	4	12,000	79,000	6,855
27	Marble and stone work. (See also Monuments and tombstones.)	6	15,685	101,927	8,225
28	Masonry, brick and stone	18	24,450	176,541	17,059
29	Millinery, custom work	16	47,900	20,652	5,239
30	Mineral and soda waters	5	14,075	8,255	1,364
31	Models and patterns	5	8,625	15,607	960

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SPRINGFIELD, ILL.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
58	$35,590	9	$9,150	46	$25,740	3	$700	$36,065	$84,901	7
144	90,520	19	17,604	67	31,560	58	41,356	71,887	206,480	8
173	45,741	69	28,601	104	17,140	.....	.....	133,422	224,100	9
8	4,707	7	3,907	1	800	.....	.....	1,928	11,600	10
145	98,425	12	14,360	133	84,065	.....	.....	70,965	233,380	11
18	8,646	4	2,682	14	5,964	.....	.....	5,835	16,460	12
10	5,700	4	2,300	6	3,400	.....	.....	7,630	16,600	13
55	40,300	5	6,200	50	34,100	.....	.....	30,810	100,000	14
146	81,066	12	10,721	134	70,345	.....	.....	79,571	186,505	15
81	33,690	12	12,724	49	16,966	20	4,000	124,500	179,000	16
13	8,429	4	4,700	9	3,729	.....	.....	6,972	35,800	17
75	42,964	11	9,843	58	29,879	6	3,242	28,504	92,307	18
15	7,589	4	2,961	11	4,628	.....	.....	3,931	16,900	19
35	21,138	7	6,198	28	14,940	.....	.....	18,183	48,900	20
25	17,377	1	688	24	16,689	.....	.....	34,759	60,200	21
71	35,593	2	2,020	69	33,573	.....	.....	19,099	89,200	22
123	70,028	21	19,846	73	40,030	29	10,152	29,025	138,605	23
51	28,610	12	8,810	39	19,800	.....	.....	39,406	77,380	24
28	15,970	8	6,440	20	9,530	.....	.....	13,270	34,977	25
76	38,720	12	8,989	28	8,541	36	21,190	40,416	104,177	26
1,467	763,816	97	111,421	1,302	636,230	68	16,165	2,651,826	3,850,653	27

liquors, malt, 1; lock and gun smithing, 1; marble and stone work, 2; models and patterns, 1; monuments and tombstones, 1; paper, 1; patent medicines and compounds, 2; paving and paving materials, 1; sausage, 1; shirts, 1; shoddy, 1; slaughtering and meat packing, wholesale, 2; soap and candles, 1; tinsmithing, coppersmithing, and sheet-iron working, 1; trunks and valises, 1; watch, clock, and jewelry repairing, 1; wirework, including wire rope and cable, 2; woolen goods, 1.

SPRINGFIELD, MASS.

10,250	5,868,894	1,091	1,025,258	7,399	4,024,439	1,760	819,197	7,817,534	17,040,692	1
91	67,574	32	27,192	59	40,382	.....	.....	32,598	117,384	2
68	37,298	45	26,625	22	10,257	1	416	15,836	61,580	3
160	67,255	12	13,112	76	35,991	72	18,152	161,842	270,865	4
140	85,340	10	15,540	127	67,800	3	2,000	112,400	250,000	5
113	70,055	26	25,586	87	44,469	.....	.....	174,091	303,527	6
239	77,948	9	8,384	230	69,564	.....	.....	43,198	182,500	7
436	153,130	8	10,968	376	125,837	52	16,325	130,866	348,308	8
466	351,801	68	69,164	398	282,637	.....	.....	492,745	944,510	9
50	36,016	4	4,940	46	31,076	.....	.....	11,470	63,825	10
894	500,425	8	6,210	886	494,215	.....	.....	432,266	956,452	11
162	102,832	24	25,684	74	41,465	64	35,683	89,259	213,096	12
401	158,438	129	69,593	271	88,565	1	280	46,739	246,123	13
70	37,432	25	14,520	45	22,912	.....	.....	86,966	143,140	14
101	38,192	2	2,100	60	18,731	39	17,361	403,998	518,016	15
18	6,927	14	5,399	4	1,528	.....	.....	4,242	17,507	16
20	7,188	9	2,236	11	4,952	.....	.....	19,234	48,958	17
15	9,072	5	4,340	10	4,732	.....	.....	1,171	14,137	18
10	6,330	5	4,480	5	1,850	.....	.....	1,025	11,000	19
6	6,068	5	5,600	.....	.....	1	468	675	7,500	20
411	152,767	19	24,710	187	67,277	205	60,780	517,918	1,089,112	21
562	338,412	34	49,461	528	288,951	.....	.....	663,750	1,236,944	22
103	74,832	22	17,371	81	57,461	.....	.....	75,669	169,553	23
27	21,017	9	8,742	11	8,003	7	4,272	30,734	71,964	24
12	8,346	5	3,660	7	4,686	.....	.....	18,675	32,294	25
100	70,554	10	10,380	90	60,174	.....	.....	78,392	178,463	26
95	79,517	10	11,436	85	68,081	.....	.....	57,932	176,634	27
400	342,328	26	36,911	374	305,417	.....	.....	514,020	928,478	28
96	40,582	29	17,388	67	23,194	.....	.....	89,590	157,324	29
22	10,162	5	2,894	17	7,268	.....	.....	7,025	20,100	30
25	19,298	5	5,216	20	14,082	.....	.....	6,291	31,600	31

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SPRINGFIELD, MASS.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
32	Optical goods	4	$16,000	$60,789	$4,391
33	Painting and paper hanging	16	54,790	62,332	5,512
34	Paper goods, not elsewhere specified	3	122,350	164,582	15,735
35	Photography	9	68,345	22,794	5,870
36	Plumbing and gas fitting	10	54,400	96,560	9,413
37	Printing and publishing, book and job	14	113,560	204,700	32,102
38	Printing and publishing, newspapers and periodicals	13	131,000	522,130	67,946
39	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	3	5,675	9,270	1,192
40	Saddlery and harness	15	37,925	84,837	5,936
41	Slaughtering and meat packing, wholesale	4	37,500	103,550	7,531
42	Soap and candles. (See also Grease and tallow.)	3	4,375	105,095	19,506
43	Stationery goods, not elsewhere specified	3	29,175	51,138	5,727
44	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	12	35,550	41,782	4,749
45	Tobacco, cigars and cigarettes	16	101,000	183,688	50,489
46	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	4	11,000	186,717	11,373
47	Watch, clock, and jewelry repairing. (See also Jewelry.)	17	41,481	9,956	3,557
48	All other industries (a)	80	608,000	6,883,014	298,618

a Embraces agricultural implements, 1; artificial limbs, 1; awnings, tents, and sails, 2; bicycles and tricycles, 1; boots and shoes, factory product, 1; boxes, wooden packing, 1; cardboard, 1; carpets, rag, 1; carriage and wagon materials, 1; cars, steam railroad, not including operations of railroad companies, 1; cheese and butter, urban dairy product, 1; chemicals, 1; clay and pottery products, 1; clothing, women's, factory product, 2; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; corsets, 1; cutlery and edge tools, 2; dyeing and cleaning, 2; fancy articles, not elsewhere specified, 1; fertilizers, 1; files, 1; firearms, 2; flouring and grist mill products, 2; fur goods, 1; furnishing goods, men's, 1; gas, illuminating, and heating, 1; gas machines and meters, 1; gold and silver, leaf and foil, 1; grease and tallow, 1; hairwork, 2; hardware, 2; hardware, saddlery, 1; hosiery and knit goods, 2; house furnishing goods, not elsewhere specified, 2; iron-

SPRINGFIELD, MO.

1	All industries	277	385,590	1,454,613	270,601
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	17	21,800	12,437	2,594
3	Boots and shoes, custom work and repairing	20	13,150	5,984	1,561
4	Bread and other bakery products	3	13,500	10,025	2,961
5	Brick and tile. (See also Clay and pottery products.)	3	4,200	10,905	1,115
6	Carpentering	45	18,400	125,189	128,217
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	3	.....	195,829	7,890
8	Clothing, men's, custom work and repairing	8	35,180	29,978	3,790
9	Clothing, women's, dressmaking	24	17,240	6,740	1,731
10	Dentistry, mechanical	5	8,200	4,935	912
11	Flouring and grist mill products	6	.....	224,124	15,820
12	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	3	3,745	64,300	2,045
13	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts.)	5	20,620	118,055	7,575
14	Marble and stone work. (See also Monuments and tombstones.)	5	735	3,195	466
15	Masonry, brick and stone. (See also Plastering and stuccowork.)	18	2,900	22,707	1,837
16	Millinery, custom work	7	44,670	25,696	8,664
17	Painting and paper hanging	17	17,120	20,731	3,507
18	Photography	5	8,650	45,880	1,537
19	Plastering and stuccowork. (See also Masonry, brick and stone.)	14	2,925	3,909	1,464
20	Plumbing and gas fitting	3	8,935	23,130	1,974
21	Printing and publishing, book and job	7	16,555	19,000	2,114
22	Printing and publishing, newspapers and periodicals	8	53,145	70,100	12,243
23	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	5	4,800	8,455	818
24	Saddlery and harness	3	2,360	50,230	2,998
25	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	6	15,540	17,805	1,871
26	Tobacco, chewing, smoking, and snuff	3	.....	114,800	23,163
27	Tobacco, cigars and cigarettes	4	6,845	9,303	4,561
28	Watch, clock, and jewelry repairing	4	8,875	2,310	741
29	All other industries (a)	26	35,500	208,721	26,432

a Embraces awnings, tents, and sails, 1; brooms and brushes, 1; clay and pottery products, 1; coffins and burial cases, trimming and finishing, 2; confectionery, 1; druggists' preparations, not including prescriptions, 2; dyeing and cleaning, 1; food preparations, 1; furniture, cabinetmaking, repairing and upholstering, 2; gas, illuminating and heating, 1; ironwork,

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SPRINGFIELD, MASS.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
47	$26,194	6	$5,988	41	$20,206	.....	.....	$39,779	$84,601	32
99	63,494	21	15,724	69	43,170	9	$4,600	43,506	124,712	33
42	27,843	10	10,928	32	16,915	.....	.....	167,678	240,479	34
30	20,884	9	8,632	20	12,202	1	50	6,805	39,886	35
127	79,304	19	20,446	108	58,858	.....	.....	134,202	233,486	36
169	91,933	26	25,481	138	63,552	5	2,900	75,562	220,164	37
364	251,408	70	68,128	225	131,528	69	51,752	129,968	521,098	38
26	15,188	5	3,948	21	11,240	.....	.....	20,837	57,750	39
85	49,853	26	19,661	33	17,562	26	12,630	52,962	124,250	40
66	46,388	7	9,520	59	36,868	.....	.....	385,569	502,136	41
31	21,403	5	6,654	25	14,623	1	126	87,641	143,044	42
87	43,750	8	9,200	26	13,480	53	21,070	56,309	165,000	43
86	57,601	14	12,194	72	45,407	.....	.....	56,823	137,105	44
297	171,350	17	18,590	67	32,589	213	120,171	183,371	481,441	45
88	53,482	14	12,733	62	31,389	12	9,360	36,046	126,127	46
42	33,736	19	18,648	23	15,088	.....	.....	5,256	43,389	47
3,251	1,837,947	201	228,941	2,124	1,168,205	926	440,801	2,014,603	4,989,527	48

work, architectural and ornamental, 1; jewelry, 1; kaolin and other earth grinding, 1; leather goods, 1; liquors, malt, 2; lithographing and engraving, 1; lock and gun smithing, 1; lumber and other mill products from logs or bolts, 1; mattresses and spring beds, 1; monuments and tombstones, 1; musical instruments and materials, not specified, 1; musical instruments, organs and materials, 1; needles and pins, 1; ordnance and ordnance stores, 1; paints, 1; paper patterns, 1; pens, gold, 1; photographic materials, 1; pocketbooks, 1; refrigerators, 1; screws, machine, 1; sewing machine repairing, 1; shipbuilding, 1; shirts, 1; shoddy, 1; show cases, 1; silk and silk goods, 1; stereotyping and electrotyping, 1; taxidermy, 1; toys and games, 1; typewriters and supplies, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 2.

SPRINGFIELD, MO.

1,422	677,146	126	92,793	1,145	521,950	151	62,403	1,657,877	3,062,095	1
30	15,364	5	2,920	24	12,194	1	250	10,136	44,240	2
23	10,061	12	5,000	2	960	9	4,101	8,502	27,784	3
17	6,240	.....	.....	17	6,240	.....	.....	19,011	32,624	4
33	7,708	.....	.....	33	7,708	.....	.....	3,265	16,600	5
259	135,597	7	7,592	251	127,955	1	50	243,563	585,252	6
77	44,438	7	11,000	70	33,438	.....	.....	97,270	173,080	7
67	36,072	1	300	25	14,296	41	21,476	37,875	94,320	8
57	14,151	21	4,781	28	6,968	8	2,402	38,353	64,778	9
5	3,963	4	3,773	1	190	.....	.....	1,233	7,415	10
58	29,809	10	11,475	48	18,334	.....	.....	593,690	722,150	11
29	18,536	1	1,500	28	17,036	.....	.....	27,807	60,839	12
104	63,016	2	2,540	102	60,476	.....	.....	157,590	249,450	13
10	5,408	.....	.....	6	3,068	4	2,340	3,510	11,793	14
101	60,015	.....	.....	98	58,785	3	1,230	95,171	181,968	15
42	12,930	5	2,652	37	10,278	.....	.....	51,886	83,205	16
51	26,672	6	2,543	45	24,129	.....	.....	34,581	78,194	17
10	5,134	1	1,000	9	4,134	.....	.....	6,238	19,316	18
39	16,910	1	243	38	16,667	.....	.....	24,828	53,244	19
22	10,868	1	312	21	10,556	.....	.....	17,088	38,356	20
25	11,386	5	4,160	19	6,986	1	240	9,726	31,457	21
127	56,781	12	14,340	96	35,877	19	6,564	18,735	101,746	22
10	6,416	1	312	9	6,104	.....	.....	8,785	18,850	23
21	10,836	4	2,230	11	4,914	6	3,692	47,111	64,711	24
12	6,760	.....	.....	11	6,292	1	468	11,079	26,711	25
60	16,658	4	4,000	34	9,891	22	2,767	20,196	66,988	26
30	15,480	.....	.....	1	105	29	15,285	15,989	38,814	27
6	2,806	2	1,406	4	1,400	.....	.....	2,314	8,170	28
97	27,131	14	8,714	77	16,870	6	1,538	52,345	160,040	29

architectural and ornamental, 2; lime and cement, 1; looking-glass and picture frames, 1; lumber and other mill products from logs or bolts, 1; mattresses and spring beds, 1; monuments and tombstones, 2; patent medicines and compounds, 1; paving and paving materials, 1; shirts, 1; sugar and molasses, refining, 1; vinegar and cider, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SPRINGFIELD, OHIO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
1	All industries	372	$884,841	$14,567,031	$1,046,292
2	Agricultural implements	12	72,500	10,095,591	655,783
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	20	10,100	6,842	2,105
4	Boots and shoes, custom work and repairing	21	18,300	5,038	1,877
5	Bread and other bakery products	20	68,400	56,144	9,197
6	Brick and tile	5	1,500	64,955	965
7	Carpentering	28	13,460	31,403	2,232
8	Carriage and wagon materials	3	6,750	5,675	1,415
9	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	6	38,100	47,794	4,561
10	Clothing, men's, custom work and repairing	14	78,000	62,278	9,003
11	Clothing women's, dressmaking	31	24,250	17,586	2,438
12	Coffins and burial cases, trimming and finishing	6	27,740	10,655	3,641
13	Coffins, burial cases, and undertakers' goods	3	34,010	134,840	15,435
14	Confectionery	6	44,325	9,076	3,437
15	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	18	41,450	1,468,736	133,899
16	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	3	4,000	1,010	391
17	Lime and cement	5	.....	149,428	2,606
18	Lumber, planing mill products, including sash, doors, and blinds	4	.....	43,755	1,777
19	Masonry, brick and stone. (See also Plastering and stuccework.)	21	4,225	23,985	1,234
20	Millinery, custom work	7	39,400	27,195	4,133
21	Models and patterns	3	3,450	2,750	306
22	Painting and paper hanging	16	9,215	17,668	1,129
23	Photography	6	21,500	7,398	1,907
24	Plastering and stuccework. (See also Masonry, brick and stone.)	4	.....	2,520	212
25	Plumbing and gas fitting	4	21,350	22,165	2,211
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	5	13,970	19,265	2,256
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	8	41,330	250,191	66,295
28	Pumps, not including steam pumps	3	15,300	28,620	3,088
29	Saddlery and harness	8	20,900	18,300	2,146
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	10	14,725	33,075	2,149
31	Tobacco, cigars and cigarettes	4	9,450	5,050	3,127
32	Watch, clock, and jewelry repairing	9	11,300	13,775	1,440
33	All other industries (a)	59	166,841	1,885,768	103,837

a Embraces awnings, tents, and sails, 1; bluing, 1; bookbinding and blank-book making, 2; brass castings and brass finishing, 2; brassware, 1; carpets, rag, 2; carriages and sleds, children's, 1; cars and general shop construction and repairs by steam railroad companies, 1; chemicals, 2; cooperage, 2; cutlery and edge tools, 1; dyeing and cleaning, 1; electroplating, 1; engraving, wood, 1; fertilizers, 1; files, 1; flavoring extracts, 1; flouring and grist mill products, 2; furniture, factory product, 1; gas, illuminating and heating, 1; hairwork, 1; hardware, 1; hardware, saddlery, 1; ironwork, architectural and ornamental, 2; kindling wood, 1; leather, tanned and curried, 1; liquors, malt, 1; lithographing and engraving, 1; lock and

SYRACUSE, N. Y.

1	All industries	1,246	3,777,463	22,853,424	2,689,781
2	Agricultural implements	3	16,950	539,673	50,929
3	Awnings, tents, and sails	3	5,700	18,050	1,920
4	Baskets and rattan and willow ware	10	5,685	36,270	771
5	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	43	60,235	79,950	8,252
6	Bookbinding and blank-book making. (See also Printing and publishing.)	4	23,000	43,939	4,481
7	Boots and shoes, custom work and repairing	64	60,272	50,370	6,442
8	Boots and shoes, factory product	5	55,740	277,017	13,427
9	Brass castings and brass finishing. (See also Plumbers' supplies.)	4	1,980	30,347	734
10	Bread and other bakery products	31	129,076	111,565	20,602
11	Carpentering	98	28,850	328,047	123,245
12	Carpets, rag	3	.....	3,700	147
13	Carriage and wagon materials	5	23,992	110,375	7,477
14	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	22	112,850	1,109,269	91,533
15	Chemicals. (See also Fertilizers.)	3	8,175	2,624,450	95,209
16	Clay and pottery products. (See also Brick and tile.)	3	2,200	164,889	11,669

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SPRINGFIELD, OHIO.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
6,693	$3,195,441	592	$532,769	5,434	$2,357,594	667	$305,078	$4,752,062	$10,760,965	1
3,267	1,498,159	195	235,925	2,982	1,211,764	90	50,470	2,282,528	5,221,008	2
26	11,146	4	1,944	21	9,177	1	25	6,904	27,355	3
27	11,614	15	5,790	8	3,484	4	2,340	9,635	27,684	4
55	24,791	11	4,748	44	20,043	.....	.....	66,627	121,693	5
47	11,837	.....	.....	33	6,467	14	5,370	4,828	23,740	6
106	58,286	8	3,587	98	54,699	.....	.....	112,914	205,435	7
6	2,890	.....	.....	6	2,890	.....	.....	7,689	15,250	8
70	33,909	2	1,468	68	32,441	.....	.....	38,078	93,631	9
90	40,960	7	6,260	21	9,896	62	24,894	53,162	133,550	10
84	14,972	8	2,208	76	12,764	.....	.....	11,315	37,294	11
13	6,800	8	4,400	5	2,400	.....	.....	16,519	34,594	12
80	44,744	9	6,980	71	30,764	9	7,000	71,838	157,680	13
16	4,308	1	400	15	3,908	.....	.....	12,130	28,829	14
1,106	611,763	74	80,929	793	420,207	239	110,627	857,959	1,857,599	15
3	784	1	100	2	684	.....	.....	1,834	4,082	16
111	52,710	12	11,080	99	41,630	.....	.....	40,152	113,125	17
28	15,602	6	3,096	22	12,506	.....	.....	64,267	88,775	18
80	34,708	2	1,000	77	33,668	1	40	42,250	97,223	19
30	8,244	4	1,212	24	6,720	2	312	32,955	54,838	20
6	3,032	4	2,304	2	728	.....	.....	655	5,923	21
28	12,777	13	6,165	15	6,612	.....	.....	6,922	27,125	22
11	4,618	1	300	9	3,902	1	416	8,271	20,800	23
17	7,320	1	624	16	6,696	.....	.....	4,091	14,675	24
44	24,482	7	3,849	37	20,633	.....	.....	17,095	49,950	25
30	15,332	7	4,615	23	10,717	.....	.....	6,009	29,651	26
198	112,137	42	24,708	136	73,821	20	13,608	85,053	387,959	27
19	11,556	3	2,500	16	9,056	.....	.....	14,574	39,659	28
14	6,826	1	500	11	5,280	2	1,040	16,567	33,535	29
19	10,461	6	3,960	12	5,901	1	600	14,140	34,400	30
19	10,297	4	2,176	3	1,050	12	7,071	6,383	21,375	31
13	8,290	3	2,490	10	5,800	.....	.....	1,833	13,910	32
1,021	480,176	133	107,451	679	291,460	209	81,265	836,945	1,739,527	33

gun smithing, 2; looking-glass and picture frames, 1; marble and stone work, 2; mattresses and spring beds, 2; mineral and soda waters, 1; monuments and tombstones, 2; musical instruments, pianos and materials, 1; paving and paving materials, 1; roofing and roofing materials, 2; sewing machine repairing, 1; shirts, 1; slaughtering and meat packing, wholesale, 2; soap and candles, 1; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 1; surgical appliances, 1; washing machines and clothes wringers, 1; wirework, including wire rope and cable, 1.

SYRACUSE, N. Y.

17,518	8,520,677	1,948	1,787,667	12,224	5,623,774	3,346	1,109,236	14,104,504	29,297,241	1
225	118,551	25	27,475	84	42,757	116	48,319	142,588	323,478	2
28	11,000	4	3,500	24	7,500	.....	.....	15,456	32,000	3
104	27,766	11	7,931	1	450	92	19,385	20,836	54,687	4
137	85,151	50	36,107	84	47,420	3	1,624	41,813	149,802	5
62	28,409	9	8,051	53	20,358	.....	.....	18,169	63,833	6
116	51,356	59	25,740	26	11,272	31	14,344	32,206	100,410	7
529	222,769	18	21,886	91	34,539	420	166,344	328,725	710,994	8
21	12,592	7	5,596	14	6,996	.....	.....	99,127	114,895	9
252	130,305	75	51,370	172	75,935	5	3,000	368,551	623,348	10
1,051	712,953	115	101,943	935	610,810	1	200	844,497	1,814,569	11
6	2,144	3	1,520	.....	.....	3	624	2,418	4,630	12
123	81,410	8	14,224	98	46,610	22	20,576	121,524	247,215	13
617	343,779	37	44,138	495	252,616	85	47,025	517,438	1,081,548	14
1,649	736,463	38	48,985	1,610	687,178	1	300	708,550	1,746,500	15
176	70,966	10	11,073	124	35,796	42	24,097	42,394	133,648	16

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

SYRACUSE, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
17	Clothing, men's, custom work and repairing	55	$379,676	$464,086	$42,943
18	Clothing, men's, factory product	92	484,660	1,937,732	587,295
19	Clothing, women's, dressmaking	72	132,931	28,955	11,584
20	Coffee and spice, roasting and grinding	3	31,500	48,000	4,741
21	Coffins and burial cases, trimming and finishing	5	32,110	91,775	7,401
22	Confectionery	10	110,414	89,005	10,914
23	Cooperage	14	15,700	66,991	14,478
24	Cutlery and edge tools. (See also Hardware; Saws; Tools, not elsewhere specified.)	4	6,650	3,205	709
25	Dentistry, mechanical	26	85,244	47,375	7,082
26	Dyeing and cleaning	6	10,092	24,700	2,285
27	Electroplating	3	5,589	5,050	823
28	Food preparations. (See also Fruits and vegetables, canning and preserving.)	3	1,925	103,725	44,132
29	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	28	166,171	1,426,333	92,539
30	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	3	.....	61,820	2,772
31	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	22	63,050	167,775	9,584
32	Furniture, factory product	8	39,744	226,386	8,137
33	Hairwork	4	14,148	18,625	1,533
34	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	3	4,125	287,824	27,417
35	Hosiery and knit goods. (See also Gloves and mittens.)	4	37,000	83,824	8,575
36	Jewelry. (See also Watch, clock, and jewelry repairing.)	5	6,828	16,025	890
37	Lime and cement	3	4,320	38,400	6,133
38	Liquors, malt. (See also Bottling.)	11	71,210	1,681,798	330,257
39	Lock and gun smithing	5	15,000	12,955	1,437
40	Looking-glass and picture frames	10	31,620	38,275	3,140
41	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	16	60,490	549,995	25,853
42	Marble and stone work. (See also Monuments and tombstones.)	4	792	124,155	3,155
43	Masonry, brick and stone. (See also Plastering and stuccowork.)	31	.....	120,760	141,856
44	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	3	22,880	24,900	3,484
45	Millinery, custom work	9	60,868	55,280	6,250
46	Mineral and soda waters. (See also Bottling.)	5	6,750	33,300	7,439
47	Models and patterns	3	1,725	2,580	186
48	Monuments and tombstones. (See also Marble and stone work.)	4	1,375	25,053	1,610
49	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	3	2,592	3,775	257
50	Painting and paper hanging	41	63,647	103,170	8,727
51	Patent medicines and compounds	13	11,394	21,310	1,991
52	Paving and paving materials	7	2,400	71,789	2,270
53	Photography	14	69,304	43,595	6,548
54	Plastering and stuccowork. (See also Masonry, brick and stone.)	3	.....	7,025	288
55	Plumbing and gas fitting	14	67,136	154,300	8,445
56	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	13	66,378	79,622	8,639
57	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	26	145,470	384,252	83,254
58	Pumps, not including steam pumps	3	3,149	45,050	2,792
59	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	14	14,500	106,889	4,395
60	Saddlery and harness	24	68,306	103,597	12,417
61	Salt	28	.....	1,532,501	70,506
62	Sausage. (See also Slaughtering and meat packing, wholesale.)	4	3,000	8,022	1,194
63	Shipbuilding	3	1,496	3,500	751
64	Shirts. (See also Furnishing goods, men's.)	11	55,712	44,520	5,983
65	Slaughtering and meat packing, wholesale. (See also Sausage.)	4	73,420	236,500	13,192
66	Soap and candles. (See also Grease and tallow.)	4	13,200	202,600	10,457
67	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	39	75,873	196,155	14,477
68	Tobacco, cigars and cigarettes	88	125,830	645,672	194,415
69	Watch, clock, and jewelry repairing. (See also Jewelry)	22	63,170	21,210	4,683
70	All other industries (a)	93	412,200	5,403,797	380,448

a Embraces babbitt metal and solder, 1; baking and yeast powders, 1; belting and hose, leather, 1; billiard tables and materials, 1; blacking, 1; boot and shoe findings, 1; bottling, 1; boxes, cigar, 1; boxes, fancy and paper, 2; boxes, wooden packing, 1; brick and tile, 1; brooms and brushes, 2; calcium lights, 1; cheese and butter, urban dairy product, 1; cloth, sponging and refinishing, 1; coffins, burial cases, and undertakers' goods, 1; corsets, 1; electrical apparatus and supplies, 1; electric light and power, 1; engraving, steel, including plate printing, 2; engraving, wood, 2; fertilizers, 1; firearms, 1; flouring and grist mill products, 2; fur goods, 2; furnishing goods, men's, 2; gas, illuminating and heating, 1; glass, 1; gloves and mittens, 2; grease and tallow, 2; hand stamps, 2; hardware, saddlery, 1; hats and caps, not including wool hats, 2; hay and straw, baling, 1; ink, writing, 1; instruments, professional and scientific, 1; iron and steel, 2; iron and steel, bolts, nuts,

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

SYRACUSE, N. Y.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
406	$242,954	85	$67,555	120	$54,516	201	$120,883	$291,326	$686,405	17
1,404	588,379	153	199,421	1,087	346,988	164	41,970	1,772,926	3,429,219	18
438	108,653	74	32,029	362	76,574	2	50	11,261	145,947	19
18	17,286	5	10,600	12	6,336	1	350	234,751	270,822	20
23	16,068	9	9,308	14	6,760	.....	.....	37,189	69,051	21
106	40,750	19	10,204	87	30,546	.....	.....	127,326	218,233	22
76	37,654	13	7,915	16	5,847	47	23,892	83,400	154,820	23
9	5,390	5	3,550	4	1,840	.....	.....	2,133	9,480	24
47	37,211	28	29,817	17	7,244	2	150	13,672	73,950	25
34	12,084	8	5,564	13	4,020	13	2,500	4,842	22,400	26
11	7,403	4	2,803	7	4,600	.....	.....	3,295	13,200	27
43	18,206	5	5,768	23	7,938	15	4,500	173,133	252,750	28
814	490,145	75	78,387	730	405,375	9	6,383	532,457	1,379,900	29
100	7,721	5	1,565	47	5,606	48	550	23,864	46,500	30
113	63,056	21	15,556	90	46,100	2	1,400	115,950	222,081	31
227	105,114	17	20,510	182	76,720	28	7,884	116,700	263,180	32
16	6,323	7	4,050	9	2,273	.....	.....	5,065	22,300	33
206	80,273	16	13,352	186	66,121	4	800	123,673	279,168	34
568	67,122	23	19,700	55	15,000	490	32,422	148,965	246,000	35
13	7,150	7	4,444	6	2,706	.....	.....	6,871	18,309	36
73	35,900	5	5,120	68	30,780	.....	.....	25,922	82,400	37
342	260,364	74	95,612	265	164,176	3	576	581,115	1,535,985	38
17	10,666	8	5,638	9	5,028	.....	.....	7,985	26,668	39
47	22,890	15	9,430	31	12,836	1	624	37,413	77,768	40
500	247,932	27	28,543	461	217,517	12	1,872	321,570	677,353	41
89	65,807	3	3,600	86	62,207	.....	.....	30,755	119,700	42
409	276,583	37	36,694	372	239,889	.....	.....	241,798	692,542	43
22	13,020	5	4,700	5	1,976	12	6,344	39,245	73,700	44
82	34,750	12	9,060	70	25,690	.....	.....	59,143	106,600	45
34	22,059	11	9,552	22	12,273	1	234	32,679	76,894	46
4	2,370	3	1,690	1	680	.....	.....	420	3,500	47
15	8,752	4	3,120	9	5,426	2	206	7,417	19,756	48
4	2,382	3	1,132	1	1,250	.....	.....	579	3,640	49
219	131,714	48	35,043	166	95,121	5	1,550	128,347	299,508	50
22	11,416	14	9,090	8	2,326	.....	.....	17,301	38,957	51
206	69,202	8	6,300	198	62,902	.....	.....	69,260	156,155	52
53	33,282	22	19,378	27	13,029	4	875	14,870	65,196	53
7	2,627	4	2,000	3	627	.....	.....	1,800	5,800	54
172	109,168	27	23,942	145	85,226	.....	.....	225,096	373,259	55
120	42,367	16	9,547	93	29,961	11	2,859	31,793	100,770	56
313	218,901	55	56,236	207	129,961	51	32,704	120,272	463,415	57
13	9,212	4	3,830	9	5,382	.....	.....	8,813	28,550	58
87	48,517	17	11,464	70	37,053	.....	.....	124,236	193,895	59
110	48,676	29	19,091	22	10,437	59	19,148	79,738	176,437	60
322	103,722	4	2,820	315	100,657	3	245	48,899	286,103	61
15	7,740	3	2,560	12	5,180	.....	.....	14,776	29,532	62
7	3,749	4	1,624	1	1,000	2	1,125	1,503	7,360	63
270	65,701	16	12,175	17	9,800	237	43,726	86,096	184,780	64
71	32,796	11	7,078	60	25,718	.....	.....	414,945	491,288	65
102	47,960	6	6,000	96	41,960	.....	.....	154,850	231,080	66
212	112,298	49	37,350	159	73,656	4	1,292	152,367	321,530	67
716	287,757	88	59,883	116	27,151	512	200,723	303,253	910,110	68
40	23,462	14	7,994	26	15,468	.....	.....	4,687	39,515	69
3,035	1,512,379	254	288,734	2,201	1,018,084	580	205,561	3,582,530	6,371,563	70

washers, and rivets, 1; iron and steel, pipe, wrought, 1; ironwork, architectural and ornamental, 1; kaolin and other earth grinding, 2; lamps and reflectors, 1; lead, bar, pipe, and sheet, 1; lithographing and engraving, 1; millinery and lace goods, 1; musical instruments, organs and materials, 1; oil, lubricating, 1; optical goods, 1; pens, gold, 1; pickles, preserves, and sauces, 1; pipes, tobacco, 1; plumbers' supplies, 1; pulp goods, 1; saws, 1; sewing machine repairing, 1; sewing machines and attachments, 1; show cases, 1; silverware, 2; steam fittings and heating apparatus, 2; stencils and brands, 1; stereotyping and electroptyping, 2; surgical appliances, 2; taxidermy, 1; tools, not elsewhere specified, 2; toys and games, 1; typewriters and supplies, 1; umbrellas and canes, 2; vinegar and cider, 1; washing machines and clothes wringers, 1; window shades, 2; wirework, including wire rope and cable, 1; wood, turned and carved, 2.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

TACOMA, WASH.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
1	All industries	225	$534,450	$7,227,201	$464,674
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	12	27,152	33,515	6,177
3	Boots and shoes, custom work and repairing	11	7,303	3,996	1,536
4	Bread and other bakery products	8	31,650	46,945	9,530
5	Brick and tile. (See also Clay and pottery products.)	3	4,980	87,200	3,811
6	Carpentering	9	11,245	26,075	4,281
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	3,895	51,775	3,062
8	Clothing, men's, custom work and repairing	12	53,615	38,660	9,235
9	Clothing, women's, dressmaking	4	2,980	2,850	807
10	Foundry and machine shop products	4	10,810	200,650	9,607
11	Ironwork, architectural and ornamental	4	11,925	100,300	3,080
12	Lumber and other mill products from logs or bolts	17	6,215	3,768,585	155,261
13	Lumber, planing mill products, including sash, doors, and blinds	5	3,025	250,250	8,285
14	Masonry, brick and stone	6	6,520	42,350	6,020
15	Mattresses and spring beds. (See also Furniture.)	5	20,856	43,800	4,865
16	Millinery, custom work	5	18,273	24,735	3,665
17	Painting and paper hanging	13	23,215	34,010	5,190
18	Photography	4	9,060	5,025	1,635
19	Plumbing and gas fitting	11	42,975	170,700	12,175
20	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	6	34,725	44,000	5,260
21	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	13	33,812	202,785	73,013
22	Saddlery and harness	3	12,760	27,725	2,040
23	Tinsmithing, coppersmithing, and sheet-iron working	7	21,000	60,200	5,040
24	Tobacco, cigars and cigarettes	5	14,175	18,732	9,193
25	Watch, clock, and jewelry repairing	11	18,120	9,475	3,325
26	All other industries (a)	43	104,155	1,932,263	118,563

a Embraces awnings, tents, and sails, 1; bookbinding and blank-book making, 2; boot and shoe uppers, 1; brooms and brushes, 1; cars and general shop construction and repairs by steam railroad companies, 1; clay and pottery products, 2; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 2; confectionery, 2; cooperage, 1; dyeing and cleaning, 1; engraving, steel, including plate printing, 1; flouring and grist mill products, 2; food preparations, 1; furniture, cabinetmaking, repairing and upholstering, 1; furniture, factory product, 1; gas, illuminating and heating, 1; hand stamps,

TAUNTON, MASS.

1	All industries (a)	316	656,880	7,891,382	707,629
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	29	22,400	45,310	2,474
3	Boots and shoes, custom work and repairing	15	26,600	5,929	1,867
4	Bread and other bakery products	6	19,400	16,960	1,571
5	Brick and tile. (See also Clay and pottery products.)	14	8,500	361,274	33,000
6	Carpentering	26	9,325	77,167	3,803
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	3	3,000	111,367	2,175
8	Clothing, men's, custom work and repairing	9	41,550	26,815	3,288
9	Clothing, women's, dressmaking	26	41,975	4,965	3,253
10	Coffins and burial cases, trimming and finishing	3	15,150	20,200	1,330
11	Cotton goods	8	.....	2,599,694	149,527
12	Foundry and machine shop products	15	39,250	1,785,353	134,286
13	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	8	12,150	10,554	1,290
14	Iron and steel, nails and spikes, cut and wrought, including wire nails.	4	7,000	536,925	17,641
15	Lock and gun smithing	3	4,475	5,700	371
16	Lumber and other mill products from logs or bolts	6	300	56,000	1,371
17	Masonry, brick and stone. (See also Plastering and stuccowork.)	7	3,750	10,960	467
18	Millinery, custom work	11	71,850	23,050	5,403
19	Mineral and soda waters	4	3,525	21,240	554
20	Models and patterns	3	.....	6,587	449
21	Monuments and tombstones	3	5,875	8,100	695
22	Painting and paper hanging	13	20,875	41,899	1,834
23	Photography	4	16,925	6,200	1,134
24	Plated and britannia ware	3	15,400	871,900	239,516
25	Plumbing and gas fitting	6	10,875	13,000	867

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Taunton. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

TACOMA, WASH.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
4,067	$3,280,820	409	$557,585	3,437	$2,528,658	221	$194,577	$5,171,658	$10,432,955	1
59	56,406	17	19,120	41	36,766	1	520	26,174	107,850	2
15	12,456	8	7,436	7	5,020	.....	.....	5,775	22,871	3
72	50,180	13	16,500	59	33,680	.....	.....	118,894	218,510	4
112	53,200	4	5,100	104	46,700	4	1,400	17,000	112,000	5
121	126,126	10	16,724	111	109,402	.....	.....	196,000	360,470	6
36	28,052	3	4,700	33	23,352	.....	.....	25,690	82,670	7
90	81,544	18	25,200	13	9,392	59	46,952	52,210	155,916	8
24	10,978	4	3,880	20	7,098	.....	.....	5,425	20,056	9
152	136,376	9	13,400	143	122,976	.....	.....	74,090	285,000	10
99	104,752	6	7,800	93	96,952	.....	.....	50,740	222,500	11
1,386	932,277	54	93,879	1,294	801,182	38	37,216	1,350,638	2,794,048	12
163	111,727	6	7,980	157	103,747	.....	.....	158,000	327,296	13
254	271,088	9	20,100	245	250,988	.....	.....	398,000	747,800	14
52	48,210	12	15,700	40	32,510	.....	.....	52,000	144,400	15
27	18,412	9	8,860	18	9,552	.....	.....	24,000	58,000	16
86	88,026	19	25,760	67	62,266	.....	.....	48,685	160,800	17
13	10,604	4	5,700	7	4,304	2	600	3,550	22,000	18
256	249,439	27	42,775	229	206,664	.....	.....	333,846	703,200	19
46	38,964	15	15,856	31	23,108	.....	.....	24,400	86,500	20
159	201,868	26	36,412	67	88,704	66	76,752	58,892	380,115	21
13	10,992	3	3,580	10	7,412	.....	.....	21,000	42,500	22
52	48,160	12	15,400	40	32,760	.....	.....	50,219	129,460	23
37	26,018	7	6,590	8	3,412	22	16,016	26,572	72,000	24
19	20,144	12	13,900	7	6,244	.....	.....	5,730	31,950	25
724	544,821	102	125,233	593	404,467	29	15,121	2,034,228	3,145,043	26

1; ice, artificial, 1; kaolin and other earth grinding, 1; liquors, malt, 2; lock and gun smithing, 1; looking-glass and picture frames, 1; mineral and soda waters, 2; monuments and tombstones, 2; paints, 1; patent medicines and compounds, 2; shipbuilding, 2; shirts, 1; show cases, 1; slaughtering and meat packing, wholesale, 1; soap and candles, 1; trunks and valises, 1.

TAUNTON, MASS.

6,466	3,141,273	318	304,079	5,533	2,540,196	615	296,998	4,799,287	9,936,829	1
45	23,440	14	7,592	31	15,848	.....	.....	15,710	58,005	2
21	8,802	13	5,462	8	3,340	.....	.....	4,099	16,637	3
44	16,542	3	2,040	31	14,002	10	500	39,650	73,896	4
363	154,692	18	14,038	319	124,939	26	15,715	69,521	307,657	5
170	99,315	8	5,490	162	93,825	.....	.....	192,741	343,945	6
52	30,484	2	1,500	50	28,984	.....	.....	25,049	71,190	7
49	22,574	6	4,982	22	9,764	21	7,828	29,724	64,294	8
95	28,863	17	9,238	78	19,625	.....	.....	69,181	112,389	9
12	6,194	1	1,000	11	5,194	.....	.....	14,300	28,875	10
2,000	708,825	16	20,816	1,931	674,362	53	13,647	1,629,595	2,747,816	11
1,505	852,066	66	64,785	1,367	734,281	72	53,000	672,262	1,095,966	12
22	11,920	3	2,050	19	9,870	.....	.....	9,519	28,255	13
301	150,996	14	15,020	177	89,467	110	46,509	362,825	575,720	14
3	1,657	3	1,657	.....	.....	.....	.....	418	3,000	15
61	23,418	5	2,115	54	20,643	2	660	14,885	54,800	16
47	28,605	3	2,320	44	26,285	.....	.....	12,682	40,875	17
27	10,834	2	1,220	25	9,614	.....	.....	32,350	57,744	18
8	3,924	1	576	7	3,348	.....	.....	1,519	9,900	19
7	5,309	1	1,200	6	4,109	.....	.....	657	10,788	20
23	14,505	3	2,280	20	12,225	.....	.....	11,081	29,023	21
65	40,906	2	1,380	63	39,526	.....	.....	25,144	83,672	22
7	5,600	3	3,040	4	2,560	.....	.....	2,598	12,766	23
697	442,768	35	55,172	486	301,596	176	86,000	307,074	1,086,700	24
19	12,590	2	1,487	17	11,103	.....	.....	19,680	43,807	25

exactly locate its operations within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

TAUNTON, MASS.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	$29,255	$109,000	$3,234
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	4	41,500	25,350	11,649
28	Saddlery and harness	9	20,600	11,855	1,425
29	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	9	37,100	57,609	9,659
30	Tobacco, cigars and cigarettes	6	5,250	3,651	1,852
31	Vinegar and cider	3	.....	6,335	217
32	Watch, clock, and jewelry repairing	5	10,250	2,375	652
33	All other industries (a)	43	112,775	999,118	70,715

a Embraces baskets and rattan and willow ware, 1; bicycle and tricycle repairing, 1; bookbinding and blank-book making, 1; boots and shoes, factory product, 1; boxes, wooden packing, 1; brass and copper, rolled, 1; brass castings and brass finishing, 1; buttons, 2; clay and pottery products, 1; coffins, burial cases, and undertakers' goods, 2; confectionery, 2; cotton waste, 1; crucibles, 2; cutlery and edge tools, 1; druggists' preparations, not including prescriptions, 1; dyeing and cleaning, 2; electroplating, 1; files, 2; flavoring extracts, 1; flouring and grist mill products, 1; gas, illuminating and heating, 1;

TERRE HAUTE, IND.

1	All industries	367	518,073	4,965,184	3,903,928
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	15	9,600	29,745	1,905
3	Boots and shoes, custom work and repairing	28	18,500	13,290	2,963
4	Bread and other bakery products	14	15,900	65,740	5,155
5	Brick and tile. (See also Clay and pottery products.)	11	4,400	64,720	4,521
6	Brooms and brushes	3	1,100	665	166
7	Carpentering	47	4,100	59,315	69,985
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	7	30,900	144,000	6,054
9	Clothing, men's, custom work and repairing	10	57,700	49,110	6,537
10	Clothing, men's, factory product	6	41,900	198,920	10,259
11	Clothing, women's, dressmaking	11	9,450	1,565	1,426
12	Coffins and burial cases, trimming and finishing	3	4,900	31,255	642
13	Cooperage	7	4,000	55,400	3,982
14	Flouring and grist mill products	12	35,564	599,350	50,359
15	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	7	10,440	288,450	8,178
16	Lock and gun smithing	3	4,400	1,375	653
17	Looking-glass and picture frames	3	3,050	7,000	390
18	Lumber and other mill products from logs or bolts	3	1,400	100,725	5,571
19	Lumber, planing mill products, including sash, doors, and blinds	3	.....	116,281	7,395
20	Masonry, brick and stone	14	1,100	10,675	2,988
21	Millinery, custom work	12	37,400	25,110	4,440
22	Mineral and soda waters	3	850	13,275	664
23	Monuments and tombstones. (See also Marble and stone work.)	3	3,050	6,150	384
24	Painting and paper hanging	14	15,000	17,580	3,854
25	Patent medicines and compounds	3	8,050	4,600	4,172
26	Photography	4	10,800	13,580	2,762
27	Plumbing and gas fitting	4	8,300	22,331	2,148
28	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	9	41,009	82,645	9,681
29	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	7	24,560	45,806	14,242
30	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working).	5	8,800	12,550	1,546
31	Saddlery and harness	8	20,400	15,770	2,977
32	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	7	15,600	35,750	2,721
33	Tobacco, cigars and cigarettes	22	15,450	19,237	9,187
34	Watch, clock, and jewelry repairing	9	5,400	5,608	828
35	All other industries (a)	50	45,000	2,807,611	3,655,193

a Embraces agricultural implements, 1; artificial limbs, 1; baskets and rattan and willow ware, 1; bicycle and tricycle repairing, 1; bookbinding and blank-book making, 1; boots and shoes, factory product, 1; boxes, cigar, 1; boxes, fancy and paper, 1; brass castings and brass finishing, 1; 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; cars, steam railroad, not including operations of railroad companies, 1; chemicals, 1; clay and pottery products, 1; coffee and spice, roasting and grinding, 2; confectionery, 2; corsets, 1; dentistry, mechanical, 1; dyeing and cleaning, 2;

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

TAUNTON, MASS.—Continued.

Average number of employés and total wages.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
55	$19,755	1	$461	54	$19,294	.....	.....	$23,145	$66,436	26
46	16,676	.....	.....	44	16,156	2	$520	10,561	66,700	27
14	7,713	6	3,669	8	4,044	.....	.....	5,862	19,750	28
43	20,407	6	2,804	33	15,443	4	2,160	26,342	73,450	29
18	7,083	3	1,425	15	5,658	.....	.....	4,274	15,211	30
7	1,089	2	139	5	950	.....	.....	2,405	6,203	31
10	4,886	5	3,376	5	1,510	.....	.....	900	7,400	32
630	358,835	54	65,745	437	222,631	139	70,459	1,162,994	1,814,959	33

hairwork, 1; looking-glass and picture frames, 2; lumber, planing mill products, including sash, doors, and blinds, 2; mattresses and spring beds, 1; oilcloth, enameled, 1; patent medicines and compounds, 1; paving and paving materials, 1; plastering and stucco work, 1; roofing and roofing materials, 1; sewing machines and attachments, 1; soap and candles, 1; timber products, not manufactured at mill, 1; tools, not elsewhere specified, 1; wirework, including wire rope and cable, 1.

TERRE HAUTE, IND.

5,205	2,154,001	485	364,559	3,432	1,385,242	1,288	404,200	6,785,616	13,720,529	1
45	22,315	14	8,960	28	12,005	3	1,350	10,735	40,590	2
47	22,824	25	13,382	4	1,782	18	7,660	16,165	47,525	3
81	34,970	19	10,480	62	24,490	.....	.....	111,655	195,670	4
173	42,680	12	4,422	85	22,708	76	15,550	9,409	67,275	5
17	5,168	1	800	8	2,925	8	1,443	9,394	18,225	6
228	106,790	46	23,550	182	83,240	.....	.....	217,770	422,423	7
125	60,675	10	7,760	44	16,475	71	36,500	83,888	169,947	8
145	81,995	20	19,416	14	12,525	111	50,054	73,560	171,255	9
585	133,965	16	15,100	100	35,555	469	83,310	411,557	602,955	10
59	14,058	15	6,548	41	6,910	3	600	58,100	75,960	11
5	4,680	3	2,900	2	1,780	.....	.....	20,500	36,060	12
182	78,807	8	6,755	51	18,795	123	53,257	171,694	285,906	13
236	98,750	25	17,054	211	81,696	.....	.....	2,209,018	2,471,145	14
154	82,657	16	14,063	132	65,894	6	2,700	94,970	216,100	15
5	2,752	3	2,077	2	675	.....	.....	475	3,600	16
8	4,850	2	1,500	5	3,200	1	150	6,060	12,500	17
146	73,200	1	1,200	105	47,000	40	25,000	87,767	229,335	18
129	81,821	13	12,032	116	69,789	.....	.....	115,424	217,568	19
119	57,533	14	10,068	105	47,465	.....	.....	108,255	180,821	20
64	13,391	15	7,180	49	6,211	.....	.....	35,990	58,550	21
11	6,000	3	1,790	8	4,210	.....	.....	2,695	10,100	22
10	3,900	3	1,250	7	2,650	.....	.....	7,950	13,800	23
71	50,275	16	14,185	42	26,396	13	9,200	28,460	89,000	24
19	6,545	9	4,710	4	1,360	6	475	3,610	16,200	25
14	9,306	7	5,554	7	3,752	.....	.....	5,500	21,000	26
25	16,868	5	5,140	20	11,728	.....	.....	23,752	46,200	27
98	53,438	11	11,600	81	37,260	6	4,578	42,254	109,720	28
115	53,155	11	10,852	81	30,919	23	11,384	23,334	115,398	29
25	13,740	5	3,590	20	10,150	.....	.....	17,065	38,600	30
26	11,777	7	4,104	17	6,773	2	900	20,712	38,525	31
46	23,022	13	8,402	33	14,620	.....	.....	37,122	81,633	32
62	25,438	18	8,534	14	4,105	30	12,794	20,671	55,978	33
16	10,352	4	2,200	12	8,152	.....	.....	4,105	18,000	34
2,114	846,309	95	97,461	1,740	661,553	279	87,295	2,697,380	7,551,225	35

furniture, cabinetmaking, repairing and upholstering, 1; furniture, factory product, 1; grease and tallow, 1; band stamps, 1; iron and steel, 2; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; ironwork, architectural and ornamental, 1; liquors, distilled, 1; liquors, malt, 1; liquors, vinous, 1; marble and stone work, 2; mattresses and spring beds, 1; paving and paving materials, 1; pumps, not including steam pumps, 2; scales and balances, 1; sewing machine repairing, 2; shirts, 1; slaughtering, wholesale, not including meat packing, 2; soap and candles, 1; steam fittings and heating apparatus, 1; trunks and valises, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

TOLEDO, OHIO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	734	$2,279,040	$12,700,372	$1,246,042
2	Awnings, tents, and sails	3	17,900	48,260	2,102
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	44	44,620	63,572	5,609
4	Boots and shoes, custom work and repairing	77	66,450	16,195	6,223
5	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	3	4,000	40,125	3,428
6	Bread and other bakery products	25	114,130	75,626	13,062
7	Brick and tile	6	91,820	125,750	19,539
8	Carpentering	35	9,000	52,430	9,354
9	Carpets, rag	6	4,000	2,285	422
10	Carriage and wagon materials	3	900	153,692	10,389
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	9	8,650	1,760,349	90,203
12	Cars and general shop construction and repairs by steam railroad companies.	3	.....	21,181	.....
13	Clothing, men's, custom work and repairing	35	106,540	263,987	14,917
14	Clothing, women's, dressmaking	78	101,050	12,098	9,798
15	Coffee and spice, roasting and grinding	3	33,460	175,961	7,209
16	Coffins and burial cases, trimming and finishing	3	15,000	53,000	2,695
17	Cooperage	7	1,330	11,709	483
18	Dentistry, mechanical	13	43,750	22,050	3,704
19	Dyeing and cleaning	4	2,600	22,790	577
20	Flouring and gristmill products	8	61,610	391,980	28,216
21	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	16	98,600	571,820	30,483
22	Furniture, cabinetmaking, repairing and upholstering	10	67,930	10,300	7,426
23	Furniture, factory product. (See also Furniture, chairs.)	7	58,740	268,902	19,906
24	Glass	3	.....	246,990	9,740
25	Hosiery and knit goods	3	40,800	163,500	21,880
26	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	3,730	10,600	1,055
27	Liquors, malt. (See also Bottling.)	5	10,000	1,785,757	324,007
28	Lock and gun smithing	4	16,530	3,130	1,656
29	Looking-glass and picture frames	5	22,500	178,765	7,220
30	Lumber and other mill products from logs or bolts	4	50,000	279,600	17,122
31	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing.)	11	62,660	387,000	29,972
32	Marble and stone work. (See also Monuments and tombstones.)	5	10,630	24,390	1,926
33	Masonry, brick and stone. (See also Plastering and stuccowork.)	11	4,000	31,330	1,117
34	Millinery, custom work	27	106,230	62,825	9,947
35	Painting and paper hanging	24	37,650	19,368	3,796
36	Patent medicines and compounds	3	11,500	18,250	37,315
37	Paving and paving materials	4	3,100	36,222	785
38	Photography	14	64,000	20,175	5,934
39	Plumbing and gas fitting	12	56,670	82,995	17,981
40	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	17	133,000	225,801	15,851
41	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	19	85,000	426,302	108,111
42	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	15	25,000	31,710	5,737
43	Saddlery and harness	12	47,900	33,754	5,059
44	Saws	4	27,500	26,000	2,947
45	Shipbuilding	6	13,300	227,200	5,652
46	Shirts. (See also Furnishing goods, men's.)	3	7,300	4,150	673
47	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	13	79,800	205,570	15,541
48	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	28	39,200	72,657	21,661
49	Trunks and valises	3	43,600	46,310	4,645
50	Watch, clock, and jewelry repairing	8	14,000	2,825	1,287
51	All other industries (a)	70	311,360	3,883,134	281,740

a Embraces 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, 2; bridges, 2; brooms and brushes, 2; carriages and sleds, children's, 1; cars, steam railroad, not including operations of railroad companies, 1; cheese and butter, urban dairy product, 1; clothing, men's, factory product, 2; confectionery, 1; crucibles, 1; cutlery and edge tools, 1; drug grinding, 1; engraving, wood, 1; fur goods, 1; furnishing goods, men's, 1; furniture, chairs, 2; gas and lamp fixtures, 1; gas, illuminating and heating, 1; grease and tallow, 1; hand stamps, 1; hats and caps, not including wool hats, 2; iron and steel, 1; iron and steel, bolts, nuts, washers, and rivets, 1; liquors, vinous, 1; mineral and soda waters, 1; models and patterns, 1;

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

TOLEDO, OHIO.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
10,313	$5,214,443	1,066	$881,121	8,034	$3,801,174	1,213	$532,148	$12,189,924	$21,051,574	1
61	23,599	9	$7,532	52	$16,067	.....	.....	51,762	100,000	2
112	66,335	46	30,450	64	35,385	2	500	28,772	113,554	3
95	41,110	72	30,392	10	4,338	13	6,380	26,152	82,045	4
50	28,502	5	3,670	38	19,632	7	5,200	39,200	79,200	5
149	79,616	28	22,808	120	56,392	1	416	218,636	379,765	6
300	86,864	5	4,145	141	48,183	154	34,536	20,211	173,600	7
317	175,894	46	29,755	246	139,339	31	6,800	372,884	628,288	8
10	3,440	6	2,015	3	725	1	700	2,135	6,280	9
106	51,748	8	9,250	92	39,474	6	3,024	70,298	149,730	10
603	297,608	34	40,900	493	214,530	76	42,178	536,811	1,067,540	11
87	54,090	3	2,390	84	51,700	.....	.....	60,982	115,070	12
284	153,905	38	30,025	53	29,461	193	94,419	154,406	366,816	13
252	69,486	86	33,815	166	35,671	.....	.....	10,735	112,828	14
206	101,650	22	19,400	177	80,750	7	1,500	2,564,850	2,830,000	15
11	7,900	3	2,900	8	5,000	.....	.....	17,000	40,000	16
42	20,910	6	3,650	36	17,260	.....	.....	30,470	63,300	17
17	8,870	12	7,930	4	940	1	900	3,876	17,400	18
14	6,885	7	3,806	7	3,079	.....	.....	2,600	12,076	19
152	79,515	18	18,516	131	60,399	3	600	1,323,301	1,481,447	20
566	323,063	33	35,432	488	266,831	45	20,800	505,630	966,628	21
27	15,482	9	5,340	18	10,142	.....	.....	13,498	40,550	22
318	176,482	17	17,675	301	158,807	.....	.....	163,260	488,000	23
316	168,356	18	16,655	263	114,501	35	37,200	61,582	281,500	24
430	105,600	10	12,600	340	73,000	80	20,000	134,428	237,445	25
22	13,018	2	1,500	20	11,518	.....	.....	6,785	24,250	26
265	223,674	28	44,450	237	179,224	.....	.....	635,230	1,605,859	27
10	5,903	2	1,075	8	4,888	.....	.....	1,275	10,000	28
204	75,184	14	12,194	155	57,740	35	5,250	76,590	185,070	29
219	78,520	12	10,200	207	68,320	.....	.....	222,775	335,328	30
373	187,572	26	25,490	347	162,082	.....	.....	664,093	961,025	31
52	33,831	4	5,606	40	20,737	8	7,488	23,545	72,000	32
134	71,455	12	10,175	122	61,280	.....	.....	179,030	280,556	33
111	41,055	31	18,150	80	22,905	.....	.....	81,265	164,850	34
119	69,868	24	17,314	95	52,554	.....	.....	40,323	129,932	35
13	4,726	1	450	12	4,276	.....	.....	31,997	109,332	36
145	49,192	6	4,704	139	44,488	.....	.....	71,300	141,500	37
32	15,074	14	8,782	15	4,792	3	1,500	9,862	51,358	38
121	91,456	16	14,704	105	76,752	.....	.....	96,837	273,900	39
222	111,305	25	23,868	194	86,345	3	1,092	71,643	272,091	40
377	259,396	41	41,884	220	147,056	116	70,456	156,872	724,866	41
60	35,705	17	13,703	39	21,677	4	325	46,529	101,035	42
52	25,372	8	5,046	38	17,206	6	3,120	34,327	71,000	43
21	14,218	3	2,636	18	11,582	.....	.....	11,595	37,000	44
382	210,170	15	16,880	357	187,290	10	6,000	203,565	445,100	45
18	5,792	2	1,100	6	1,832	10	2,860	2,450	11,000	46
338	119,623	17	12,800	321	106,823	.....	.....	333,828	570,500	47
145	70,000	23	14,230	72	31,201	50	24,560	69,768	185,206	48
52	29,124	1	1,200	10	5,460	41	22,464	58,300	112,412	49
15	10,584	6	4,000	9	6,584	.....	.....	3,100	20,020	50
2,286	1,215,656	181	178,820	1,833	924,956	272	111,880	2,643,552	4,921,822	51

monuments and tombstones, 1; needles and pins, 1; oil, linseed, 1; paints, 2; paper, 1; perfumery and cosmetics, 1; petroleum, refining, 1; photographic apparatus, 1; plastering and stuccowork, 1; pumps, not including steam pumps, 2; refrigerators, 1; regalia and society banners and emblems, 2; show cases, 1; slaughtering and meat packing, wholesale, 1; soap and candles, 2; stencils and brands, 1; stereotyping and electrotyping, 1; tobacco, chewing, smoking, and snuff, 2; tools, not elsewhere specified, 2; varnish, 1; vinegar and cider, 1; washing machines and clothes wringers, 1; wheelbarrows, 1; wirework, including wire rope and cable, 1; woodenware, not elsewhere specified, 2.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

TOPEKA, KAN.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	371	$876,175	$3,282,899	$276,038
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	25	$26,000	$28,075	$3,530
3	Boots and shoes, custom work and repairing	19	25,660	2,941	2,601
4	Bread and other bakery products	11	28,100	45,085	5,070
5	Brooms and brushes	3	730	1,340	116
6	Carpentering	49	10,300	74,191	14,499
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	3,750	27,905	1,384
8	Clothing, men's, custom work and repairing	15	66,600	35,210	8,869
9	Clothing, women's, dressmaking	31	29,580	3,175	3,869
10	Confectionery	4	5,000	10,450	1,420
11	Dentistry, mechanical	7	18,630	5,960	2,167
12	Dyeing and cleaning	3	15,070	1,140	1,976
13	Flouring and grist mill products	8	126,650	476,300	61,261
14	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	5	4,450	156,025	6,438
15	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	3	11,960	2,125	1,364
16	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	9,325	42,040	1,614
17	Looking-glass and picture frames	3	4,800	2,657	691
18	Lumber, planing mill products, including sash, doors and blinds. (See also Wood, turned and carved.)	3	.....	119,742	3,705
19	Marble and stone work. (See also Monuments and tombstones.)	3	2,000	21,850	1,387
20	Masonry, brick and stone. (See also Plastering and stuccowork.)	28	550	10,010	347
21	Millinery, custom work	10	68,170	30,250	7,470
22	Paving and paving materials	3	.....	68,049	5,056
23	Photography	8	18,700	6,960	3,744
24	Plastering and stuccowork. (See also Masonry, brick and stone.)	10	.....	760	.....
25	Plumbing and gas fitting	5	27,000	58,050	3,439
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	9	141,520	347,305	27,151
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	18	68,000	159,236	53,022
28	Saddlery and harness	5	4,500	45,650	1,917
29	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	15	20,230	32,520	2,961
30	Tobacco, cigars and cigarettes	11	32,170	22,275	8,561
31	Watch, clock, and jewelry repairing	6	12,700	3,775	1,310
32	All other industries (a)	44	94,030	1,441,848	39,099

a Embraces artificial limbs, 1; awnings, tents, and sails, 1; bookbinding and blank-book making, 1; brass castings and brass finishing, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 1; china, decorating, 1; cooperage, 1; corsets, 2; electroplating, 1; fruits and vegetables, canning and preserving, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; hairwork, 1; hand stamps, 1; ice, artificial, 1; lithographing and engraving, 1; lock and gun smithing, 2; mattresses and spring beds, 2; mineral and soda waters, 2; models

TRENTON, N. J.

1	All industries (a)	885	1,969,662	19,278,041	1,319,216
2	Belting and hose, rubber	4	.....	1,283,574	67,235
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	32	26,472	49,972	3,109
4	Boots and shoes, custom work and repairing	100	120,137	147,657	13,059
5	Boots and shoes, factory product	3	4,800	8,045	433
6	Bread and other bakery products	47	150,600	291,467	17,138
7	Brick and tile. (See also Clay and pottery products.)	3	2,500	188,350	6,202
8	Carpentering	46	40,094	326,229	8,876
9	Carpets, rag	5	2,250	13,308	404
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	9	23,015	245,563	4,953
11	China, decorating	5	35,280	158,762	8,990
12	Clay and pottery products. (See also Brick and tile.)	32	28,165	4,875,507	434,354
13	Clothing, men's, custom work and repairing	37	112,803	298,421	13,300
14	Clothing, women's, dressmaking	159	237,823	48,057	20,612
15	Clothing, women's, factory product	3	17,866	17,300	4,435
16	Coffins and burial cases, trimming and finishing	6	15,636	71,315	2,516

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Trenton. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

TOPEKA, KAN.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
3,390	$1,854,933	346	$275,580	2,890	$1,501,490	154	$77,854	$3,670,106	$6,752,449	1
49	35,215	24	19,839	21	12,878	4	2,498	17,538	63,537	2
27	12,286	16	7,358	1	260	10	4,668	7,751	24,805	3
32	14,717	10	3,378	22	11,339	.....	.....	45,940	85,427	4
8	3,616	5	2,860	1	100	2	656	3,956	7,986	5
354	184,603	18	13,836	336	170,767	.....	.....	312,956	565,787	6
27	16,773	4	3,160	23	13,613	.....	.....	13,310	37,125	7
67	46,378	8	7,766	25	18,398	34	20,214	37,123	103,804	8
98	19,127	3	1,100	75	15,727	20	2,300	18,644	59,475	9
30	10,207	2	600	28	9,607	.....	.....	30,013	47,600	10
9	3,446	7	2,296	1	900	1	250	3,417	10,874	11
10	3,970	2	1,120	8	2,850	.....	.....	1,060	9,000	12
124	86,424	21	26,960	103	59,464	.....	.....	1,237,235	1,529,121	13
80	48,794	6	4,910	74	43,884	.....	.....	51,526	118,676	14
9	4,510	2	1,200	7	3,310	.....	.....	6,250	14,350	15
24	15,693	5	3,360	19	12,333	.....	.....	37,960	64,300	16
4	2,100	1	300	3	1,800	.....	.....	3,250	9,500	17
75	49,950	6	5,280	69	44,670	.....	.....	74,245	166,851	18
41	22,715	1	350	40	22,365	.....	.....	22,168	50,971	19
278	108,050	7	4,781	271	103,269	.....	.....	141,980	279,882	20
37	12,570	6	3,390	31	9,180	.....	.....	34,700	61,750	21
45	20,566	1	840	44	19,726	.....	.....	33,379	83,210	22
12	6,558	3	1,250	9	5,308	.....	.....	6,720	24,140	23
66	30,024	2	864	64	29,160	.....	.....	27,216	64,189	24
66	45,183	5	4,380	61	40,803	.....	.....	62,782	127,716	25
195	156,172	22	25,448	172	130,580	1	144	149,501	369,424	26
212	118,154	40	32,471	130	54,706	42	30,977	76,328	301,453	27
24	13,360	6	3,668	16	8,548	2	1,144	24,068	49,212	28
28	16,597	6	3,808	22	12,789	.....	.....	32,482	62,733	29
49	23,396	9	6,288	14	3,868	26	13,240	23,194	61,665	30
8	5,117	3	2,179	5	2,938	.....	.....	954	8,500	31
1,302	718,662	95	80,540	1,195	636,359	12	1,763	1,132,370	2,289,386	32

and patterns, 1; monuments and tombstones, 2; musical instruments and materials, not specified, 1; oil, linseed, 1; optical goods, 1; patent medicines and compounds, 1; photographic materials, 1; pumps, not including steam pumps, 1; roofing and roofing materials, 1; shirts, 2; slaughtering and meat packing, wholesale, 1; starch, 1; trunks and valises, 1; vinegar and cider, 2; windmills, 2; wood, turned and carved, 1.

TRENTON, N. J.

14,984	7,968,894	1,221	1,134,490	12,365	6,053,366	1,398	781,038	12,625,400	25,628,223	1
343	193,053	31	43,827	304	145,066	8	4,160	786,245	1,162,709	2
70	43,026	29	21,004	41	22,022	.....	.....	39,091	107,647	3
139	73,190	74	41,250	64	31,420	1	520	61,298	174,386	4
17	10,764	2	2,080	15	8,684	.....	.....	46,923	102,070	5
308	150,810	48	39,422	257	110,788	3	600	306,214	656,783	6
238	80,207	7	5,102	231	75,105	.....	.....	15,084	113,630	7
613	399,630	51	60,840	562	338,790	.....	.....	863,245	1,541,714	8
7	4,328	5	3,328	2	1,000	.....	.....	4,210	11,021	9
139	82,705	9	9,620	130	73,085	.....	.....	88,348	232,026	10
140	71,234	17	17,067	118	52,598	5	1,569	179,841	321,072	11
4,095	2,347,701	160	203,669	3,038	1,609,258	897	534,774	1,196,090	4,631,202	12
307	153,830	49	45,413	182	81,677	76	26,740	183,085	478,872	13
393	124,074	167	71,012	226	53,062	.....	.....	285,714	478,139	14
45	10,770	3	2,340	22	4,270	20	4,160	12,746	34,000	15
25	20,348	8	8,800	17	11,548	.....	.....	24,763	56,931	16

exactly locate its operations within the limits of county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

TRENTON, N. J.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
17	Confectionery	16	$80,320	$65,446	$6,873
18	Cooperage	5	6,918	57,675	1,251
19	Druggists' preparations, not including prescriptions	4	21,750	19,170	3,374
20	Flouring and grist mill products	5	33,460	142,700	11,946
21	Food preparations	3	.....	16,815	148
22	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	17	29,985	1,680,385	76,677
23	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	12	22,754	142,821	3,447
24	Furniture, factory product	3	12,666	57,400	2,333
25	Hairwork	3	11,500	2,155	968
26	Iron and steel, forgings	4	1,764	93,939	1,445
27	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	7,200	33,275	919
28	Lamps and reflectors	3	9,340	225,151	12,694
29	Lock and gun smithing	3	1,200	25,500	294
30	Looking-glass and picture frames	7	45,139	25,570	4,329
31	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts; Wood, turned and carved.)	3	16,000	47,550	2,464
32	Marble and stone work. (See also Monuments and tombstones.)	4	4,700	79,850	1,121
33	Masonry, brick and stone. (See also Plastering and stuccowork.)	24	12,235	463,265	3,662
34	Millinery, custom work	20	134,190	113,006	11,365
35	Mineral and soda waters. (See also Bottling.)	3	10,500	44,010	1,734
36	Monuments and tombstones. (See also Marble and stone work.)	4	2,700	39,078	410
37	Painting and paper hanging	29	28,825	145,710	7,068
38	Paving and paving materials	4	3,250	19,955	859
39	Photography	14	54,610	23,417	4,513
40	Plastering and stuccowork. (See also Masonry, brick and stone.)	4	1,800	12,785	441
41	Plumbing and gas fitting	16	36,150	149,463	4,813
42	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	44,000	138,830	6,948
43	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	12	79,720	331,808	35,416
44	Saddlery and harness	12	42,165	43,740	4,163
45	Sausage. (See also Slaughtering.)	5	5,335	86,600	8,503
46	Slaughtering, wholesale, not including meat packing. (See also Slaughtering and meat packing, wholesale.)	3	2,000	36,325	615
47	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	14	55,850	210,190	6,837
48	Tobacco, cigars and cigarettes	31	70,900	93,261	17,774
49	Watch, clock, and jewelry repairing. (See also Jewelry.)	17	78,340	89,520	7,540
50	Woolen goods. (See also Hosiery and knit goods.)	3	.....	1,115,561	48,835
51	All other industries (a)	76	184,955	5,382,588	411,821

a Embraces agricultural implements, 2; awnings, tents, and sails, 1; bags, paper, 2; belting and hose, leather, 1; bookbinding, and blank-book making, 1; boot and shoe findings, 1; boot and shoe uppers, 1; bottling, 2; boxes, cigar, 1; boxes, fancy and paper, 1; boxes, wooden packing, 2; brass castings and brass finishing, 1; bridges, 2; brooms and brushes, 2; corsets, 2; dentistry, mechanical, 1; dyeing and cleaning, 1; emery wheels, 1; engraving and diesinking, 2; fancy articles, not elsewhere specified, 1; fertilizers, 2; fur goods, 1; gas, illuminating and heating, 1; gas stoves, 1; grease and tallow, 2; hardware, 1; hosiery and knit goods, 1; ice, artificial, 1; iron and steel, 2; jewelry, 2; lime and cement, 2;

TROY, N. Y.

1	All industries	840	3,296,026	24,030,753	2,837,802
2	Awnings, tents, and sails	3	4,315	3,937	630
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	35	46,000	69,457	5,088
4	Bookbinding and blank-book making. (See also Printing and publishing.)	3	11,565	33,265	1,206
5	Boots and shoes, custom work and repairing	69	54,265	40,361	5,710
6	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	4	48,750	182,828	11,070
7	Bread and other bakery products	29	77,950	168,577	17,137
8	Brick and tile. (See also Clay and pottery products.)	6	7,000	306,488	19,981
9	Carpentering	51	64,550	206,726	9,277
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	6	20,000	62,130	3,715
11	Clothing, men's, custom work and repairing	42	172,315	264,922	30,039

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

TRENTON, N. J.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
59	$37,000	23	$17,762	33	$17,678	3	$1,560	$51,631	$130,305	17
27	16,942	4	3,764	23	13,178	.....	.....	10,356	32,589	18
24	10,706	6	5,520	18	5,186	.....	.....	8,679	36,400	19
38	23,972	6	7,020	32	16,952	.....	.....	572,264	655,138	20
13	6,644	5	3,684	8	2,960	.....	.....	8,347	21,870	21
1,171	606,612	42	38,344	1,125	567,033	4	1,235	904,242	1,777,874	22
45	31,088	18	15,816	27	15,272	.....	.....	15,390	71,126	23
48	25,434	7	5,480	41	19,954	.....	.....	17,551	49,150	24
7	3,042	2	1,248	5	1,794	.....	.....	2,193	8,928	25
54	24,584	2	1,404	28	12,249	24	10,931	21,924	63,062	26
36	21,060	3	3,380	33	17,680	.....	.....	8,877	63,673	27
190	85,886	6	7,092	163	66,402	21	12,392	284,202	482,300	28
7	5,096	3	2,600	4	2,496	.....	.....	1,497	7,634	29
21	13,742	12	8,620	9	5,122	.....	.....	7,272	25,546	30
33	23,050	3	2,860	30	20,190	.....	.....	56,477	91,000	31
72	42,912	6	6,100	66	36,812	.....	.....	55,635	122,800	32
685	519,873	30	38,263	597	427,322	58	54,288	928,291	1,703,243	33
109	45,418	19	14,604	90	30,814	.....	.....	75,813	198,120	34
29	18,632	6	7,280	23	11,352	.....	.....	5,655	31,320	35
22	15,704	4	4,472	18	11,232	.....	.....	27,429	76,320	36
154	111,233	31	24,850	92	63,207	31	23,176	63,190	200,500	37
76	41,716	5	5,720	71	35,996	.....	.....	96,030	152,000	38
33	20,922	14	13,590	19	7,332	.....	.....	9,866	53,002	39
18	12,968	4	3,920	14	9,048	.....	.....	15,446	34,900	40
197	118,217	17	15,620	180	102,597	.....	.....	158,752	347,654	41
83	49,065	9	7,849	74	41,216	.....	.....	21,832	91,700	42
169	110,758	19	18,480	130	73,834	20	18,444	55,188	229,384	43
34	22,864	12	10,188	22	12,676	.....	.....	23,336	63,360	44
38	18,550	4	4,030	34	14,520	.....	.....	30,753	85,204	45
22	15,994	4	4,350	18	11,644	.....	.....	16,540	48,024	46
106	75,048	16	16,952	90	58,096	.....	.....	135,848	319,665	47
92	47,339	26	17,778	60	26,203	6	3,358	38,781	123,331	48
53	37,642	17	16,898	34	19,744	2	1,000	32,542	99,305	49
1,664	529,004	13	13,900	1,651	515,104	.....	.....	693,220	1,342,400	50
2,676	1,414,507	163	190,278	2,294	1,142,098	219	82,131	4,075,445	6,687,194	51

lumber and other mill products from logs or bolts, 2; mantels, slate, marble, and marbleized, 1; matches, 1; mattresses and spring beds, 2; models and patterns, 2; musical instruments, organs and materials, 1; musical instruments, pianos and materials, 1; pumps, not including steam pumps, 1; refrigerators, 1; roofing and roofing materials, 1; rubber and elastic goods, 2; shipbuilding, 2; shirts, 2; slaughtering and meat packing, wholesale, 2; soap and candles, 1; timber products, not manufactured at mill, 1; umbrellas and canes, 1; vinegar and cider, 1; watches, 1; window shades, 1; wire, 2; wood, turned and carved, 2; woodenware, not elsewhere specified, 1.

TROY, N. Y.

25,157	9,544,762	1,256	1,253,182	9,605	4,544,976	14,296	3,746,604	13,150,156	29,248,750	1
12	5,375	5	3,350	7	2,025	.....	.....	8,583	15,040	2
95	62,820	34	27,838	59	34,032	2	950	23,628	103,206	3
25	11,922	3	2,500	22	9,422	.....	.....	8,407	28,000	4
101	45,492	64	29,846	16	7,021	21	8,625	27,090	85,532	5
213	97,011	3	4,320	111	43,420	99	49,271	97,344	237,072	6
167	113,828	40	33,550	127	80,278	.....	.....	261,259	449,787	7
182	72,777	10	14,866	148	49,387	24	8,524	52,460	165,050	8
372	263,145	62	58,224	310	204,921	.....	.....	288,213	700,243	9
53	33,364	4	5,800	45	25,224	4	2,340	27,308	74,983	10
304	191,759	49	44,114	50	31,239	205	116,406	159,667	449,468	11

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

TROY, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
12	Clothing, men's, factory product, buttonholes	3	$8,215	$8,430	$1,531
13	Clothing, women's, dressmaking	81	116,960	66,869	12,015
14	Coffins and burial cases, trimming and finishing	7	2,978	46,995	1,118
15	Confectionery	8	36,555	26,625	4,679
16	Dentistry, mechanical	10	13,565	8,030	1,227
17	Dyeing and cleaning	4	13,000	26,070	2,172
18	Flouring and grist mill products	3	.....	167,186	18,653
19	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	30	209,100	3,194,203	280,820
20	Fur goods. (See also Hats and caps, not including wool hats.)	4	11,200	32,830	3,976
21	Furnishing goods, men's. (See also Shirts.)	17	478,615	1,583,178	836,462
22	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	11	22,056	22,940	2,618
23	Hats and caps, not including wool hats. (See also Fur goods.)	3	.....	5,900	1,490
24	Hosiery and knit goods. (See also Cotton goods.)	5	54,000	645,500	55,092
25	Iron and steel	4	.....	4,721,977	294,046
26	Liquors, malt. (See also Bottling.)	9	8,730	1,752,204	319,688
27	Lock and gun smithing	6	9,124	3,950	835
28	Looking-glass and picture frames	8	21,425	37,060	2,238
29	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	3	26,000	57,900	5,145
30	Marble and stone work. (See also Monuments and tombstones.)	8	15,825	64,940	4,509
31	Masonry, brick and stone	15	1,685	117,855	1,302
32	Millinery, custom work	22	157,330	167,897	13,449
33	Mineral and soda waters. (See also Bottling.)	7	37,850	90,080	9,189
34	Models and patterns	5	12,455	138,035	4,290
35	Monuments and tombstones. (See also Marble and stone work.)	3	3,333	36,115	1,344
36	Painting and paper hanging	50	66,950	90,446	7,986
37	Paper	5	66,420	970,523	48,041
38	Patent medicines and compounds	4	1,430	15,195	845
39	Photography	11	64,850	76,725	6,878
40	Plumbing and gas fitting	19	66,500	95,247	9,013
41	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	7	53,000	86,803	5,562
42	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	10	155,140	359,616	54,538
43	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	3	8,875	25,809	1,528
44	Saddlery and harness	13	24,200	42,220	2,649
45	Sewing machine repairing	3	8,000	2,538	835
46	Shirts. (See also Furnishing goods, men's.)	12	309,920	3,643,317	534,217
47	Slaughtering and meat packing, wholesale	9	38,285	80,067	8,110
48	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	22	49,675	97,955	8,333
49	Tobacco, cigars and cigarettes	43	122,360	299,634	36,982
50	Umbrellas and canes	3	12,355	4,100	1,137
51	Watch, clock, and jewelry repairing	25	48,825	39,330	4,277
52	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	3	23,220	201,280	15,879
53	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	3	3,000	3,750	349
54	All other industries (a)	71	405,710	3,534,738	108,902

a Embraces baking and yeast powders, 1; bells, 1; belting and hose, leather, 2; bicycle and tricycle repairing, 1; billiard tables and materials, 1; blacking, 2; bone, ivory, and lamp black, 1; boot and shoe uppers, 2; boots and shoes, factory product, 1; bottling, 1; boxes, wooden packing, 1; brass, 1; brooms and brushes, 1; cars and general shop construction and repairs by steam railroad companies, 1; clay and pottery products, 1; clothing, men's, factory product, 1; clothing, women's, factory product, 2; coffee and spice, roasting and grinding, 1; cooperage, 1; cordage and twine, 1; corsets 1; cotton goods, 1; electrical apparatus and supplies, 1; electric light and power, 2; electroplating, 2; engraving, wood, 1; fancy articles, not elsewhere specified, 2; files, 1; furniture, factory product, 1; gas, illuminating and heating, 1; gas

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

TROY, N. Y.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
95	$23,411	4	$3,662	6	$1,996	85	$17,753	$1,964	$29,199	12
300	101,554	84	50,750	203	48,904	13	1,900	50,513	175,499	13
12	5,811	5	2,900	6	2,536	1	375	15,697	27,775	14
56	21,178	9	9,040	20	8,186	27	3,952	55,761	97,800	15
17	7,293	11	6,433	6	860	.....	.....	3,578	15,585	16
16	9,196	2	1,767	13	7,269	1	160	1,567	23,900	17
46	30,522	7	11,100	39	19,422	.....	.....	528,487	608,230	18
1,815	988,345	96	133,833	894	457,923	825	396,589	856,899	2,505,647	19
17	7,125	1	350	16	6,775	.....	.....	15,981	33,850	20
5,049	1,006,774	105	126,683	390	164,086	4,554	716,005	842,909	3,054,456	21
43	24,936	10	7,913	33	17,023	.....	.....	31,682	70,189	22
17	6,755	2	1,400	10	4,149	5	1,206	8,907	19,540	23
769	281,751	12	25,300	331	114,592	426	141,859	456,373	846,542	24
2,965	1,512,295	42	59,400	2,923	1,452,895	.....	.....	3,703,474	5,860,667	25
235	171,800	37	43,770	198	128,030	.....	.....	353,214	1,192,137	26
8	3,640	6	3,040	1	100	1	500	1,716	6,500	27
24	14,325	6	5,050	18	9,275	.....	.....	26,642	61,200	28
82	44,320	5	4,052	63	31,168	14	9,100	70,951	132,950	29
66	41,576	9	11,000	57	30,576	.....	.....	42,016	102,600	30
242	156,262	22	28,400	220	127,862	.....	.....	131,306	344,484	31
115	52,180	30	19,570	82	32,460	3	150	121,775	217,260	32
42	25,438	5	7,850	35	17,378	2	210	28,749	112,791	33
76	55,045	4	3,880	72	51,165	.....	.....	7,663	83,800	34
14	9,600	2	1,800	12	7,800	.....	.....	5,720	19,600	35
253	152,430	53	43,331	200	109,099	.....	.....	49,540	238,989	36
197	90,447	5	5,241	192	85,206	.....	.....	325,569	552,228	37
11	3,375	2	1,030	7	2,225	2	120	3,749	8,700	38
38	29,136	12	14,465	24	14,321	2	350	14,444	62,800	39
112	72,638	29	26,166	83	46,472	.....	.....	154,263	268,507	40
81	41,623	11	11,329	69	29,794	1	500	21,383	85,550	41
304	203,961	36	44,982	150	73,620	118	85,350	71,056	413,736	42
35	21,968	7	6,100	28	15,868	.....	.....	49,121	77,948	43
53	30,637	10	9,950	29	14,121	14	6,566	31,244	77,620	44
10	7,240	.....	.....	10	7,240	.....	.....	3,140	5,500	45
8,713	2,474,255	84	97,680	1,250	427,697	7,379	1,948,878	2,476,156	6,217,785	46
69	28,105	20	16,372	49	11,733	.....	.....	199,861	283,073	47
130	88,106	26	24,446	102	61,788	2	1,872	70,153	205,559	48
306	143,561	42	25,420	70	16,480	194	101,661	173,865	406,794	49
5	2,150	2	1,250	3	900	.....	.....	4,066	7,960	50
40	29,696	18	13,494	25	14,296	6	1,900	5,767	45,120	51
112	61,821	8	8,328	72	39,154	32	14,339	155,730	251,694	52
5	3,125	3	2,500	2	625	.....	.....	790	4,400	53
1,029	561,869	98	107,747	697	344,938	234	109,184	1,622,756	2,084,165	54

stoves, 1; grease and tallow, 2; hairwork, 1; hand stamps, 2; hardware, 2; instruments, professional and scientific, 1; iron and steel, forgings, 1; japanning, 1; leather, tanned and curried, 1; lime and cement, 1; lithographing and engraving, 1; malt, 2; mantels, slate, marble, and marbleized, 1; mattresses and spring beds, 2; oil, lubricating, 1; paints, 1; plumbers' supplies, 1; refrigerators, 1; regalia and society banners and emblems, 1; sewing machines and attachments, 1; shoddy, 2; springs, steel, car and carriage, 1; stamped ware, 1; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 1; stencils and brands, 1; upholstery materials, 1; varnish, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

UTICA, N. Y.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
1	All industries	565	$1,840,625	$14,332,510	$992,294
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	29	22,840	37,240	2,421
3	Bookbinding and blank-book making. (See also Printing and publishing.)	3	6,375	17,450	865
4	Boots and shoes, custom work and repairing	17	18,030	25,815	2,266
5	Boots and shoes, factory product	3	28,500	725,432	36,403
6	Bottling. (See also Liquors, malt; Mineral and soda waters.)	6	7,110	24,805	2,606
7	Boxes, cigar	3	8,000	7,500	804
8	Bread and other bakery products	20	69,730	75,375	10,095
9	Carpentering	39	22,470	259,785	9,301
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	10	20,760	95,825	3,395
11	Clothing, men's, custom work and repairing	17	118,000	155,340	13,226
12	Clothing, men's, factory product	11	401,680	2,254,208	127,431
13	Clothing, women's, dressmaking	121	121,300	78,280	11,543
14	Confectionery	5	32,940	7,200	3,112
15	Cotton goods. (See also Hosiery and knit goods.)	3	.....	2,894,859	124,415
16	Dentistry, mechanical	16	49,200	36,550	3,675
17	Flouring and grist mill products	3	38,900	174,000	7,011
18	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	11	9,150	665,092	106,664
19	Fur goods	3	30,000	52,123	2,867
20	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	3	2,000	21,500	685
21	Hairwork	4	19,080	9,180	1,597
22	Hosiery and knit goods. (See also Cotton goods.)	6	4,500	603,608	30,678
23	Liquors, malt. (See also Bottling.)	9	18,900	394,346	103,804
24	Lock and gun smithing	4	6,900	4,475	605
25	Looking-glass and picture frames	4	24,700	17,060	2,789
26	Masonry, brick and stone	4	1,240	46,450	1,015
27	Mattresses and spring beds. (See also Furniture.)	3	1,250	76,975	1,709
28	Millinery, custom work	19	117,300	99,780	16,265
29	Monuments and tombstones	4	14,330	26,200	3,958
30	Painting and paper hanging	10	30,000	74,100	3,233
31	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	6,430	44,900	1,385
32	Photography	10	39,600	13,565	3,353
33	Plumbing and gas fitting	7	18,110	130,025	2,738
34	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	9	34,400	92,050	4,322
35	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	20	128,000	154,293	82,771
36	Saddlery and harness	9	22,900	44,975	2,503
37	Shirts. (See also Furnishing goods, men's.)	3	8,300	3,170	827
38	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	4	58,000	324,420	28,414
39	Tinsmithing, coppersmithing, and sheet-iron working	3	5,000	35,750	1,514
40	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	31	56,500	207,064	54,134
41	Watch, clock, and jewelry repairing	14	30,800	19,550	3,123
42	Window shades	4	13,000	17,740	1,502
43	All other industries (a)	58	174,400	4,284,455	171,270

a Embraces agricultural implements, 2; awnings, tents, and sails, 1; boot and shoe cut stock, 1; boot and shoe uppers, 2; boxes, fancy and paper, 1; cars and general shop construction and repairs by steam railroad companies, 1; clay and pottery products, 1; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 1; cooperage, 1; cordage and twine, 1; druggists' preparations, not including prescriptions, 1; dyeing and cleaning, 2; electrical apparatus and supplies, 2; electric light and power, 2; electroplating, 1; engraving and diesinking, 2; engraving, wood, 2; flavoring extracts, 2; furnishing goods, men's, 1; furniture, factory product, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1;

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—*Continued.*

UTICA, N. Y.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
12,598	$4,326,711	971	$908,097	5,997	$2,439,670	5,630	$978,944	$7,790,766	$15,615,715	1
57	29,570	30	17,808	27	11,762	.....	.....	11,858	57,495	2
22	10,212	5	4,088	16	5,924	1	200	4,430	18,800	3
40	17,385	17	9,024	18	6,125	5	2,236	10,625	33,234	4
507	241,256	30	37,462	154	56,511	323	147,283	445,749	851,300	5
31	12,386	11	5,005	20	7,381	.....	.....	43,742	62,570	6
17	6,878	3	1,894	14	4,984	.....	.....	11,019	21,600	7
89	45,797	35	21,793	54	24,004	.....	.....	96,133	189,060	8
312	218,684	37	32,377	268	181,307	7	5,000	239,015	518,800	9
80	42,069	16	11,588	61	28,294	3	2,187	30,745	91,809	10
212	102,031	37	18,229	24	11,841	151	71,961	116,451	300,013	11
4,566	639,774	106	114,674	260	124,950	4,200	400,150	1,583,292	2,833,308	12
284	90,753	122	49,354	162	41,399	.....	.....	19,891	143,474	13
17	6,053	9	3,538	8	2,515	.....	.....	17,577	30,585	14
1,491	458,460	15	26,001	1,476	431,559	.....	.....	1,256,072	2,160,247	15
20	17,186	16	15,308	4	1,878	.....	.....	6,336	42,635	16
39	27,232	11	13,240	26	13,242	2	750	340,242	431,300	17
448	246,496	26	39,040	347	177,456	75	30,000	339,382	771,616	18
37	17,124	6	4,820	31	12,304	.....	.....	42,153	83,925	19
14	10,242	4	4,480	10	5,762	.....	.....	5,950	19,000	20
10	3,874	3	1,456	7	2,418	.....	.....	6,831	17,000	21
724	188,784	13	10,571	389	96,786	322	81,427	360,851	715,178	22
117	95,803	37	43,408	80	52,395	.....	.....	164,056	491,001	23
7	3,750	4	2,250	3	1,500	.....	.....	1,450	6,200	24
17	8,476	4	2,724	13	5,752	.....	.....	16,065	33,000	25
131	67,030	7	11,960	94	50,070	30	5,000	44,350	121,000	26
99	50,594	7	13,516	90	36,778	2	300	86,113	171,505	27
105	36,225	29	15,953	74	19,492	2	780	160,050	267,600	28
40	25,080	7	5,620	33	19,460	.....	.....	8,350	49,500	29
96	83,179	12	24,693	81	56,686	3	1,800	72,600	176,400	30
14	5,093	6	2,748	8	2,345	.....	.....	12,650	33,850	31
23	12,898	9	6,424	14	6,474	.....	.....	5,564	33,440	32
95	60,925	13	18,100	82	42,825	.....	.....	85,130	161,000	33
92	47,368	13	12,980	75	31,988	4	2,400	35,989	102,650	34
305	199,357	37	41,988	166	102,607	102	54,762	99,679	513,965	35
26	11,666	8	3,548	18	8,118	.....	.....	12,153	30,422	36
16	5,346	4	1,980	2	728	10	2,638	4,648	14,093	37
195	130,183	23	34,300	148	80,883	24	15,000	113,245	328,939	38
17	9,572	2	2,000	15	7,572	.....	.....	8,785	21,650	39
304	148,332	53	39,595	43	12,700	208	96,037	176,798	443,699	40
26	18,556	14	12,124	10	5,432	2	1,000	11,319	36,580	41
13	6,268	2	312	11	5,956	.....	.....	12,495	22,560	42
1,843	868,764	128	169,224	1,561	641,507	154	58,033	1,670,322	3,163,712	43

hand knit goods, 1; hand stamps, 2; instruments, professional and scientific, 1; ironwork, architectural and ornamental, 2; lumber, planing mill products, including sash, doors, and blinds, 2; mineral and soda waters, 2; models and patterns, 1; musical instruments, organs and materials, 1; oilcloth, floor, 1; optical goods, 1; paving and paving materials, 1; perfumery and cosmetics, 1; pumps, not including steam pumps, 1; shoddy, 1; silverware, 1; slaughtering, wholesale, not including meat packing, 1; soap and candles, 2; sporting goods, 1; tobacco, chewing, smoking, and snuff, 1; trunks and valises, 1; wood, turned and carved, 1; worsted goods, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WASHINGTON, D. C.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
1	All industries	2,295	$6,604,939	$28,865,089	$1,589,114
2	Awnings, tents, and sails	4	4,550	25,500	758
3	Baking and yeast powders	3	3,100	10,880	2,884
4	Baskets and rattan and willow ware	3	3,900	2,040	432
5	Bicycle and tricycle repairing	13	50,150	39,505	5,388
6	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	135	181,460	243,202	24,284
7	Bluing	3	1,225	2,408	247
8	Bookbinding and blank-book making. (See also Printing and publishing.)	9	26,600	33,375	2 652
9	Boot and shoe uppers	5	10,200	16,530	994
10	Boots and shoes, custom work and repairing	232	257,515	151,724	26,171
11	Bottling. (See also Liquors, malt; Mineral and soda waters.)	19	56,400	167,107	23,922
12	Bread and other bakery products	88	108,050	657,169	44,809
13	Brick and tile. (See also Clay and pottery products)	13	6,250	772,681	63,031
14	Brooms and brushes	3	1,720	10,115	241
15	Carpentering	170	253,626	955,188	75,552
16	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	21	83,575	329,660	11,028
17	Cars and general shop construction and repairs by steam railroad companies.	3	.....	44,700	1,878
18	Cheese and butter, urban dairy product	4	3,660	4,057	585
19	Clay and pottery products. (See also Brick and tile.)	5	2,000	173,702	6,303
20	Clothing, men's, custom work and repairing	116	489,275	506,416	59,163
21	Clothing, women's, dressmaking	149	209,760	150,095	31,176
22	Coffins and burial cases, trimming and finishing	25	69,450	162,125	14,816
23	Confectionery	57	190,800	310,554	41,272
24	Cooperage	8	19,750	23,285	1,942
25	Corsets	3	10,550	7,900	2,129
26	Dentistry, mechanical	60	69,507	50,832	9,160
27	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	85	280,990	256,635	38,100
28	Dyeing and cleaning	24	77,200	94,757	10,661
29	Electroplating	7	20,550	7,670	1,651
30	Engraving and diesinking	8	38,025	21,800	3,050
31	Engraving, steel, including plate printing. (See also Lithographing and engraving; Photolithographing and engraving.)	5	14,200	1,532,225	1,384
32	Fancy articles, not elsewhere specified	7	39,700	51,438	7,053
33	Fertilizers. (See also Chemicals.)	3	24,000	73,570	4,995
34	Fish, canning and preserving	3	1,850	5,530	391
35	Flouring and grist mill products	6	112,100	698,417	30,748
36	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	16	71,967	447,033	16,187
37	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	54	206,650	258,486	24,258
38	Hairwork	11	35,950	38,830	4,477
39	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	12	27,000	398,455	10,175
40	Jewelry. (See also Watch, clock, and jewelry repairing.)	9	28,800	45,338	3,582
41	Kindling wood	8	20,685	26,430	2,980
42	Lime and cement	3	12,700	32,063	3,711
43	Liquors, malt. (See also Bottling.)	5	337,757	836,434	173,413
44	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	7	82,500	185,044	18,232
45	Lock and gun smithing	19	55,925	54,448	6,793
46	Looking-glass and picture frames	12	51,945	38,000	6,344
47	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	14	40,000	700,000	22,697
48	Mantels, slate, marble, and marbleized	6	29,300	79,100	5,305
49	Marble and stone work. (See also Monuments and tombstones.)	19	47,750	485,049	15,768
50	Masonry, brick and stone. (See also Plastering and stuccowork.)	35	37,575	188,495	16,218
51	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	11	21,550	123,300	5,586

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WASHINGTON, D. C.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
23,404	$14,622,264	2,998	$2,358,122	18,587	$10,846,522	1,819	$1,417,620	$17,194,667	$39,331,437	1
44	18,920	5	3,320	39	15,600	.....	.....	21,418	47,100	2
22	10,125	6	3,600	16	6,525	.....	.....	11,850	29,700	3
7	3,814	3	2,324	4	1,490	.....	.....	948	6,200	4
88	41,330	22	12,410	66	28,920	.....	.....	17,555	73,820	5
460	253,633	142	90,062	306	160,690	12	2,881	131,912	472,200	6
6	2,372	3	1,760	3	612	.....	.....	759	3,500	7
53	23,360	7	5,200	46	18,160	.....	.....	8,875	48,760	8
10	7,266	5	4,570	5	2,696	.....	.....	21,166	32,520	9
412	198,753	238	132,613	134	57,596	40	8,544	101,992	357,831	10
208	118,957	37	33,500	171	85,457	.....	.....	537,297	850,719	11
589	350,855	115	88,828	474	262,027	.....	.....	802,072	1,409,575	12
1,204	442,929	22	25,350	1,106	399,708	76	17,862	208,430	846,950	13
11	5,032	4	2,640	4	832	3	1,560	8,951	17,650	14
2,421	1,749,767	203	200,867	2,187	1,528,148	31	20,752	2,926,634	5,312,352	15
290	160,170	37	33,810	251	125,544	2	816	140,582	370,154	16
159	81,213	4	2,380	155	78,833	.....	.....	47,810	140,901	17
6	1,870	.....	.....	6	1,870	.....	.....	21,436	30,022	18
89	40,621	1	900	86	38,521	2	1,200	29,880	114,637	19
859	463,086	130	89,911	597	327,048	132	46,127	372,088	1,072,394	20
644	214,981	124	63,126	513	151,130	7	725	133,972	478,132	21
86	57,092	27	19,805	58	37,162	1	125	156,623	297,947	22
349	165,907	115	69,827	226	95,888	8	192	332,269	672,118	23
53	23,880	8	4,880	45	19,000	.....	.....	23,744	54,751	24
22	7,413	4	2,585	18	4,828	.....	.....	6,200	21,200	25
72	19,247	59	17,144	12	1,728	1	375	13,072	62,071	26
252	129,483	92	50,635	160	78,848	.....	.....	120,755	377,850	27
107	49,232	30	17,862	75	31,082	2	288	18,525	97,959	28
13	7,994	7	6,500	6	1,494	.....	.....	3,932	15,800	29
29	21,880	11	10,424	18	11,456	.....	.....	9,875	51,900	30
997	849,332	45	54,650	711	445,484	241	349,198	178,576	1,033,589	31
450	112,932	7	4,100	443	108,832	.....	.....	37,371	262,900	32
31	11,450	2	1,664	23	8,652	6	1,134	76,700	93,300	33
8	3,146	3	1,600	5	1,546	.....	.....	7,006	11,302	34
149	85,718	25	27,218	124	58,500	.....	.....	1,359,888	1,564,062	35
311	172,297	22	22,499	289	149,798	.....	.....	211,915	505,400	36
240	131,967	72	52,718	153	77,377	15	1,872	159,425	386,395	37
30	15,434	12	8,340	18	7,094	.....	.....	15,124	41,200	38
321	194,910	27	22,310	294	172,600	.....	.....	250,936	464,360	39
52	27,512	10	6,748	42	20,764	.....	.....	22,580	69,700	40
40	17,991	11	6,959	25	10,304	4	728	26,846	53,260	41
24	12,046	4	3,500	20	8,546	.....	.....	21,688	45,950	42
120	82,422	17	24,800	103	57,622	.....	.....	295,017	853,800	43
127	79,568	7	5,584	120	73,984	.....	.....	161,747	315,977	44
68	41,669	21	14,906	47	26,763	.....	.....	31,705	99,350	45
44	29,312	16	12,420	28	16,892	.....	.....	46,700	100,700	46
440	258,438	33	28,020	403	228,418	4	2,000	372,960	747,000	47
55	36,138	9	8,440	46	27,698	.....	.....	34,684	97,200	48
391	305,631	28	36,666	361	268,515	2	450	375,701	803,468	49
661	537,180	43	54,165	618	483,015	.....	.....	700,825	1,330,345	50
77	38,195	17	11,813	48	21,378	12	5,004	81,587	154,346	51

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WASHINGTON, D. C.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
52	Millinery and lace goods. (See also Artificial feathers and flowers.)	4	$9,850	$13,215	$1,896
53	Millinery, custom work	32	160,750	232,220	24,530
54	Mineral and soda waters. (See also Bottling.)	9	20,400	82,221	8,576
55	Models and patterns	8	17,150	36,801	2,004
56	Monuments and tombstones. (See also Marble and stone work.)	7	38,250	178,025	10,529
57	Optical goods	6	55,650	28,500	4,755
58	Painting and paper hanging	156	506,922	601,128	73,620
59	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	8	22,100	49,400	2,505
60	Paving and paving materials	11	20,700	524,787	47,551
61	Photography	29	121,050	137,185	21,890
62	Plastering and stuccowork. (See also Masonry, brick and stone.)	25	8,515	26,658	2,339
63	Plumbing and gas fitting	86	252,900	467,735	44,207
64	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	51	530,925	1,200,579	68,701
65	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	13	160,200	537,502	123,440
66	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	5	10,400	46,010	2,353
67	Saddlery and harness	36	110,650	112,041	10,586
68	Shipbuilding	4	5,500	15,575	654
69	Shirts	3	7,775	2,565	706
70	Slaughtering and meat packing, wholesale	24	1,660	118,230	10,274
71	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	72	241,050	432,406	29,604
72	Tobacco, cigars and cigarettes	70	110,225	114,782	30,046
73	Trunks and valises	4	29,500	28,735	3,749
74	Umbrellas and canes	4	11,500	10,525	2,196
75	Watch, clock, and jewelry repairing. (See also Jewelry.)	33	77,100	157,733	12,041
76	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	3	3,075	4,361	768
77	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	5	6,600	9,660	696
78	All other industries (a)	53	234,800	12,167,153	164,322

a Embraces artificial feathers and flowers, 1; artificial limbs, 2; bags, other than paper, 1; boxes, cigar, 1; boxes, fancy and paper, 2; brass castings and brass finishing, 2; buttons, 1; calcium lights, 1; cars and general shop construction and repairs by street railroad companies, 2; chemicals, 2; china, decorating, 1; coffee and spice, roasting and grinding, 2; cork, cutting, 1; electric light and power, 1; envelopes, 1; files, 1; flavoring extracts, 1; gas and lamp fixtures, 2; gas, illuminating and heating, 2; glass, cutting, staining, and ornamenting, 2; glue, 1; grease and tallow, 1; hats and caps, not including wool

WATERBURY, CONN.

1	All industries	219	876,487	17,682,500	1,155,304
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	9	12,450	21,110	2,117
3	Boots and shoes, custom work and repairing	16	14,500	9,020	1,838
4	Bottling. (See also Liquors, malt; Mineral and soda waters.)	3	13,600	3,795	1,699
5	Brass castings and brass finishing	5	750	4,204,100	333,377
6	Brassware	10	1,875	3,988,119	187,422
7	Bread and other bakery products	9	68,800	73,792	11,112
8	Buttons	4	42,623	634,587	47,448
9	Carpentering	19	22,500	178,671	16,507
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	6	2,390	65,955	1,947
11	Clothing, men's, custom work and repairing	12	62,500	73,430	8,128
12	Clothing, women's, dressmaking	4	5,400	3,625	645
13	Coffins and burial cases, trimming and finishing	5	20,000	35,430	3,199
14	Foundry and machine shop products	14	43,354	591,243	20,501
15	Hardware. (See also Cutlery and edge tools.)	3	.....	277,293	19,608
16	Looking-glass and picture frames	3	15,100	13,600	1,956
17	Masonry, brick and stone. (See also Plastering and stuccowork.)	7	1,600	142,600	4,055
18	Millinery, custom work	12	57,100	54,460	6,762
19	Mineral and soda waters. (See also Bottling.)	5	5,800	20,350	1,250
20	Painting and paper hanging	6	14,500	37,100	3,623
21	Paving and paving materials	3	2,010	17,625	1,608

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WASHINGTON, D. C.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
29	$11,923	9	$6,225	20	$5,698	.....	.....	$11,855	$35,240	52
247	105,277	46	31,924	201	73,353	.....	.....	206,479	438,922	53
65	84,136	24	17,179	41	16,957	.....	.....	30,945	86,748	54
33	19,486	8	6,700	19	8,232	6	$4,554	8,509	35,289	55
104	63,574	11	13,400	93	50,174	.....	.....	45,914	155,500	56
19	11,888	6	5,420	13	6,468	.....	.....	8,284	29,990	57
1,134	748,728	202	170,395	920	574,791	12	3,542	629,426	1,671,914	58
20	10,862	8	4,930	12	5,932	.....	.....	9,625	33,620	59
878	404,523	35	30,017	840	373,162	3	1,344	387,890	993,415	60
143	83,139	33	28,019	110	55,120	.....	.....	52,210	191,230	61
225	139,311	25	23,796	185	109,515	15	6,000	88,795	258,580	62
646	432,567	127	104,586	512	324,181	7	3,800	502,203	1,130,574	63
3,099	2,494,406	66	56,582	2,117	1,694,237	916	743,587	1,256,934	3,914,547	64
497	389,731	79	83,730	213	145,240	205	160,761	300,794	1,173,567	65
49	34,864	6	5,600	43	29,264	.....	.....	35,140	81,899	66
106	58,636	40	25,512	65	32,824	1	300	50,082	147,245	67
14	8,410	.....	.....	14	8,410	.....	.....	9,940	28,755	68
21	7,590	3	1,970	18	5,620	.....	.....	4,581	15,265	69
109	57,083	27	19,970	82	37,113	.....	.....	664,754	858,439	70
424	259,120	92	77,678	332	181,442	.....	.....	311,602	700,410	71
159	83,270	72	42,730	48	22,200	39	18,340	75,878	211,767	72
44	24,270	4	3,420	40	20,850	.....	.....	40,970	87,450	73
15	5,227	3	2,195	12	3,032	.....	.....	7,290	16,500	74
126	83,224	39	28,773	83	50,901	4	3,550	66,220	186,841	75
9	5,148	3	2,600	6	2,548	.....	.....	1,680	8,100	76
9	6,024	6	4,524	3	1,500	.....	.....	2,485	11,660	77
1,979	1,325,368	132	154,285	1,837	1,161,083	10	10,000	1,680,479	4,427,603	78

hats, 2; ice, artificial, 1; instruments, professional and scientific, 1; lamps and reflectors, 1; ordnance and ordnance stores, 1; photographic apparatus, 1; photolithographing and engraving, 2; plumbers' supplies, 2; printing materials, 1; soap and candles, 1; stereotyping and electrotyping, 2; surgical appliances, 2; taxidermy, 2; upholstery materials, 1; vinegar and cider, 2.

WATERBURY, CONN.

10,354	5,608,654	514	623,786	5,971	3,348,318	3,869	1,636,550	8,715,921	17,712,829	1
30	22,172	10	9,030	20	13,142	.....	.....	18,293	49,446	2
26	15,200	16	9,600	6	3,200	4	2,400	5,939	28,913	3
7	4,860	2	1,800	5	3,060	.....	.....	21,913	33,357	4
1,764	1,015,470	53	78,200	1,139	642,520	572	294,750	1,887,328	3,726,625	5
2,808	1,372,419	87	135,433	1,344	700,697	1,377	536,289	2,133,945	4,242,469	6
100	61,224	27	18,014	73	43,210	.....	.....	163,080	267,980	7
558	244,361	17	22,700	144	90,370	397	131,291	279,687	655,190	8
333	234,650	26	25,900	307	208,750	.....	.....	351,171	673,289	9
64	44,088	9	9,542	50	31,346	5	3,200	18,063	72,540	10
87	53,510	17	13,050	16	9,860	54	30,600	48,945	128,469	11
16	5,450	4	2,000	12	3,450	.....	.....	2,419	9,960	12
14	9,368	4	3,340	10	6,028	.....	.....	20,252	40,864	13
527	359,693	31	47,087	496	312,606	.....	.....	263,282	732,052	14
440	190,519	10	14,833	150	63,436	280	112,250	246,629	512,773	15
6	4,500	5	3,600	1	900	.....	.....	6,039	14,525	16
267	179,885	12	14,700	255	165,185	.....	.....	128,934	340,822	17
44	20,050	17	9,075	27	10,975	.....	.....	58,667	99,275	18
13	7,970	5	3,480	8	4,490	.....	.....	8,651	27,700	19
72	50,150	10	8,450	62	41,700	.....	.....	31,057	100,680	20
29	13,650	3	2,900	26	10,750	.....	.....	6,240	25,161	21

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WATERBURY, CONN.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
22	Photography	3	$17,100	$9,140	$2,615
23	Plumbing and gas fitting	6	16,870	76,225	4,506
24	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making; Printing and publishing, book and job.)	6	41,200	107,850	20,818
25	Saddlery and harness	4	30,600	12,200	3,486
26	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	4	6,005	18,600	1,745
27	Tobacco, cigars and cigarettes	4	9,010	10,278	2,771
28	All others industries (*a*)	37	348,850	7,002,302	444,561

a Embraces awnings, tents, and sails, 1; bookbinding and blank-book making, 1; boxes, fancy and paper, 2; brass and copper, rolled, 1; brooms and brushes, 1; clock cases and materials, 1; clocks, 1; confectionery, 2; cotton goods, 1; cutlery and edge tools, 2; dyeing and cleaning, 1; engraving and diesinking, 2; flouring and grist mill products, 1; furniture, cabinet, making, repairing and upholstering, 1; gas, illuminating and heating, 1; grease and tallow, 1; leather, morocco, 1; liquors, malt,

WHEELING, W. VA.

1	All industries	418	983,236	8,494,630	1,205,931
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	11	10,000	13,595	1,308
3	Boots and shoes, custom work and repairing	35	30,000	9,955	3,403
4	Bread and other bakery products	25	49,600	80,482	13,019
5	Carpentering	4	2,600	8,775	569
6	Carpets, rag	3	700	1,280	163
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	6	12,100	144,600	5,827
8	Clothing, men's, custom work and repairing	20	96,425	159,911	11,725
9	Clothing, women's, dressmaking	60	56,775	12,122	6,136
10	Coffee and spice, roasting and grinding	4	20,380	51,886	7,196
11	Confectionery	6	50,460	31,725	4,975
12	Cooperage	6	6,000	10,655	910
13	Dentistry, mechanical	4	11,000	2,210	1,033
14	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	4	9,200	21,370	1,777
15	Dyeing and cleaning	5	21,000	6,140	2,214
16	Foundry and machine shop products	5	31,290	243,419	20,178
17	Furniture, cabinetmaking, repairing and upholstering	4	8,750	18,450	2,117
18	Glass	3	.....	629,013	31,905
19	Iron and steel	3	.....	1,428,387	48,175
20	Iron and steel, nails and spikes, cut and wrought, including wire nails	5	.....	1,789,034	41,889
21	Leather, tanned and curried	3	.....	184,313	673
22	Liquors, malt	5	13,910	824,593	186,411
23	Lock and gun smithing	5	12,700	3,450	1,309
24	Looking-glass and picture frames	5	17,750	14,185	1,763
25	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing.)	6	17,950	252,228	11,052
26	Masonry, brick and stone. (See also Plastering and stuccowork.)	3	400	5,600	1,691
27	Millinery, custom work	13	58,025	55,515	7,277
28	Mineral and soda waters	4	4,950	24,470	3,183
29	Painting and paper hanging	7	8,175	23,710	1,341
30	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	4,050	4,370	3,513
31	Photography	5	28,800	26,506	4,028
32	Plastering and stuccowork. (See also Masonry, brick and stone.)	3	1,050	2,274	560
33	Plumbing and gas fitting	10	26,800	133,646	5,594
34	Printing and publishing, book and job	5	20,440	34,437	3,992
35	Printing and publishing, newspapers and periodicals	10	43,000	161,915	44,566
36	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	7	36,000	45,479	4,337
37	Saddlery and harness	7	27,250	66,045	4,402
38	Sausage. (See also Slaughtering and meat packing, wholesale.)	5	1,000	9,865	613
39	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	13	27,000	108,150	4,816
40	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	37	78,100	133,213	118,777
41	Watch, clock, and jewelry repairing	12	14,200	9,000	1,604
42	All other industries (*a*)	37	124,500	1,708,657	589,910

a Embraces awnings, tents, and sails, 2; baskets and rattan and willow ware, 2; boxes, fancy and paper, 2; boxes, wooden packing, 2; brass castings and brass finishing, 1; brick and tile, 2; brooms and brushes, 1; carriage and wagon materials, 1; clay and pottery products, 1; dyeing and finishing textiles, 1; files, 1; flouring and grist mill products, 1; fruit jar trimmings, 1; fruits and vegetables, canning and preserving, 1; gas, illuminating and heating, 1; grease and tallow, 1; hairwork, 1;

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WATERBURY, CONN.—Continued.

Average number of employés and total wages.								Cost of material used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
15	$9,138	3	$1,820	13	$7,318	.....	.....	$3,754	$20,412	22
94	57,625	12	10,050	82	47,575	.....	.....	89,250	173,426	23
75	64,932	14	17,800	31	28,112	30	$19,020	18,564	137,205	24
20	12,600	5	3,950	15	8,650	.....	.....	11,459	32,123	25
25	17,425	6	5,500	19	11,925	.....	.....	13,093	35,263	26
17	9,400	3	2,200	1	600	13	6,600	12,602	30,702	27
2,903	1,528,345	107	149,782	1,659	878,463	1,137	500,150	2,866,665	5,501,608	28

1; lock and gun smithing, 1; lumber and other mill products from logs or bolts, 1; lumber, planing mill products, including sash, doors, and blinds, 1; monuments and tombstones, 1; needles and pins, 1; plastering and stuccowork, 1; plated and britannia ware, 2; printing and publishing, book and job, 2; registers, car fare, 1; roofing and roofing materials, 1; sausage, 1; watch, clock, and jewelry repairing, 1; watches, 1.

WHEELING, W. VA.

6,850	3,037,727	743	566,565	4,566	1,904,228	1,541	566,934	7,381,940	13,022,589	1
31	18,276	18	11,308	12	6,548	1	420	7,707	32,845	2
52	19,544	36	14,004	4	2,080	12	3,460	10,870	38,507	3
92	48,938	38	24,130	54	24,808	.....	.....	103,012	194,739	4
24	12,665	9	6,065	15	6,600	.....	.....	10,064	27,110	5
4	2,870	3	1,870	1	500	.....	.....	3,410	6,940	6
88	52,572	10	9,190	77	42,744	1	728	56,161	126,387	7
280	129,133	37	38,040	152	53,344	91	37,749	163,107	359,342	8
146	42,494	63	28,006	83	14,488	.....	.....	158,990	223,838	9
15	8,795	3	2,050	6	4,185	6	1,960	476,001	515,685	10
59	28,734	16	9,161	25	10,837	18	8,736	82,822	169,947	11
32	17,610	5	2,924	4	2,182	23	12,504	23,868	45,153	12
5	2,806	4	2,580	1	226	.....	.....	2,346	8,700	13
15	4,272	6	2,165	9	2,107	.....	.....	14,805	31,600	14
21	8,535	9	4,276	12	4,259	.....	.....	2,839	16,155	15
198	119,407	18	19,107	169	91,772	11	8,528	81,354	248,574	16
20	14,454	7	5,176	22	9,278	.....	.....	23,118	47,819	17
991	386,698	23	34,646	400	108,203	568	243,849	162,839	613,234	18
634	395,879	17	22,360	617	373,519	.....	.....	1,480,566	2,176,186	19
1,402	538,914	23	27,601	1,379	511,313	.....	.....	1,891,287	2,523,608	20
79	40,560	2	1,520	77	39,040	.....	.....	361,807	414,923	21
177	116,912	27	27,532	147	88,756	3	624	318,659	735,402	22
7	2,480	5	2,170	2	310	.....	.....	1,538	8,335	23
8	4,130	4	2,655	4	1,475	.....	.....	15,235	32,450	24
207	103,210	20	14,742	187	88,468	.....	.....	240,463	389,696	25
42	23,620	3	3,000	39	20,620	.....	.....	17,687	43,877	26
72	24,498	31	13,375	41	11,123	.....	.....	55,188	104,952	27
16	7,633	6	4,204	10	3,429	.....	.....	6,766	35,660	28
49	31,352	8	6,294	41	25,058	.....	.....	17,455	62,800	29
11	3,182	4	1,370	7	1,812	.....	.....	3,266	9,560	30
26	16,472	8	8,336	18	8,136	.....	.....	13,770	48,664	31
13	7,568	4	3,220	9	4,348	.....	.....	3,001	12,202	32
105	56,841	20	17,261	85	39,580	.....	.....	78,177	177,507	33
27	11,022	7	4,770	20	6,252	.....	.....	7,233	29,436	34
203	100,848	32	26,790	129	53,614	42	20,444	58,849	262,813	35
37	23,025	9	7,144	28	15,881	.....	.....	37,810	78,135	36
48	22,699	14	9,580	25	9,933	9	3,186	28,016	82,319	37
11	4,740	4	2,020	7	2,720	.....	.....	14,873	24,624	38
64	38,841	22	17,844	42	20,997	.....	.....	27,456	84,554	39
399	196,036	39	27,398	14	2,258	346	166,380	111,467	461,240	40
16	7,076	4	1,742	12	5,334	.....	.....	1,801	15,528	41
1,115	342,886	125	98,429	580	186,091	410	58,366	1,266,856	2,501,543	42

hardware, 1; hats and caps, not including wool hats, 1; hosiery and knit goods, 1; ice, artificial, 1; monuments and tombstones, 2; pickles, preserves, and sauces, 2; shipbuilding, 1; slaughtering and meat packing, wholesale, 2; tobacco, chewing, smoking, and snuff, 2; umbrellas and canes, 1; vinegar and cider, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WICHITA, KAN.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
1	All industries	144	$478,051	$3,062,696	$304,458
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	3	7,580	7,370	940
3	Boots and shoes, custom work and repairing	11	9,776	9,590	1,154
4	Bread and other bakery products	5	24,000	62,548	15,831
5	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	3	9,060	35,625	2,166
6	Clothing, men's, custom work and repairing	9	48,090	26,460	5,072
7	Confectionery	3	30,195	24,385	2,525
8	Dyeing and cleaning	3	3,105	1,575	285
9	Flouring and grist mill products	6	52,690	214,305	22,070
10	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	13,860	57,463	5,504
11	Lumber, planing mill products, including sash, doors, and blinds	3	6,220	93,524	3,542
12	Millinery, custom work	9	51,060	28,325	5,350
13	Photography	4	11,325	5,360	1,014
14	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	3	14,265	11,440	1,464
15	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	11	53,310	183,350	27,418
16	Saddlery and harness	8	17,600	98,151	4,819
17	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	5	4,700	34,350	803
18	Tobacco, cigars and cigarettes	7	16,800	16,725	4,853
19	Watch, clock, and jewelry repairing. (See also Jewelry.)	4	6,750	2,225	935
20	All other industries (a)	44	97,665	2,149,925	198,713

a Embraces awnings, tents, and sails, 1; bookbinding and blank-book making, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; brick and tile, 2; brooms and brushes, 1; carpentering, 1; cars, and general shop construction and repairs by steam railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 1; clothing, men's, factory product, 1; clothing, women's, dressmaking, 1; coffee and spice, roasting and grinding, 1; dentistry, mechanical, 2; foundry and machine shop products, 2; furnishing goods, men's, 1; furniture, cabinetmaking, repairing and upholstering, 1; hand stamps, 1; hardware, 1; ice, artificial, 1; jewelry, 1; lock and gun smithing, 1; looking-glass and picture

WILKESBARRE, PA.

1	All industries	270	838,525	5,598,139	578,640
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.	21	31,725	15,400	3,086
3	Boots and shoes, custom work and repairing	6	8,875	380	741
4	Bread and other bakery products	10	31,500	52,025	5,041
5	Brick and tile	4	33,855	53,375	5,709
6	Carpentering	14	15,275	122,300	89,234
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	5	10,000	58,050	3,521
8	Clothing, men's, custom work and repairing	21	116,400	113,010	14,960
9	Clothing, women's, dressmaking	18	56,700	4,200	4,827
10	Coffins and burial cases, trimming and finishing	4	13,250	12,650	1,905
11	Confectionery	6	16,450	46,590	7,162
12	Flouring and grist mill products	3	17,650	66,376	3,524
13	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	10	15,410	720,735	18,018
14	Looking-glass and picture frames	3	17,100	4,700	1,425
15	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts; Wood, turned and carved.)	4	22,750	94,053	4,911
16	Masonry, brick and stone. (See also Plastering and stuccowork.)	7	4,100	74,402	107,051
17	Millinery, custom work	9	29,750	51,215	3,585
18	Monuments and tombstones	3	5,650	100	499
19	Painting and paper hanging	9	15,150	21,075	2,513
20	Photography	7	38,000	6,825	3,460
21	Plumbing and gas fitting	3	6,880	5,125	765
22	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	3	10,650	17,350	852
23	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	8	16,330	95,731	21,915
24	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.	3	200	6,825	695
25	Saddlery and harness	7	22,725	39,325	3,307

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WICHITA, KAN.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
1,686	$907,031	241	$233,937	1,299	$623,084	146	$50,910	$3,380,478	$5,074,913	1
15	11,860	6	5,900	9	5,960	.....	.....	2,781	18,000	2
18	9,920	9	6,046	4	1,500	5	2,374	4,575	18,460	3
44	24,394	10	10,556	34	13,838	.....	.....	55,456	135,857	4
38	27,832	7	8,500	31	19,332	.....	.....	24,177	57,758	5
73	48,628	13	14,224	43	29,604	17	5,400	30,655	90,550	6
18	13,741	5	6,820	13	6,921	.....	.....	29,325	48,960	7
5	1,652	2	1,040	3	612	.....	.....	494	4,500	8
46	34,286	15	14,644	31	19,642	.....	.....	347,110	420,349	9
49	30,710	8	8,420	41	22,290	.....	.....	40,265	122,968	10
36	27,018	5	7,176	31	19,842	.....	.....	67,450	147,000	11
41	15,152	13	7,900	28	7,252	.....	.....	27,850	55,500	12
9	5,568	5	3,328	4	2,240	.....	.....	1,750	11,435	13
16	8,760	4	3,080	12	5,680	.....	.....	4,421	15,200	14
195	91,944	18	16,186	162	62,790	15	12,968	63,629	205,700	15
56	40,120	16	14,894	29	18,860	11	6,366	71,440	130,950	16
14	7,864	4	2,800	10	5,064	.....	.....	9,525	26,000	17
30	14,730	4	2,200	6	2,755	20	9,775	11,639	32,908	18
8	5,340	3	2,290	5	3,050	.....	.....	1,531	16,920	19
975	488,412	94	97,933	803	376,452	78	14,027	2,577,405	3,521,358	20

frames, 1; mattresses and spring beds, 1; mineral and soda waters, 1; monuments and tombstones, 1; painting and paper hanging, 2; paving and paving materials, 1; perfumery and cosmetics, 1; pickles, preserves, and sauces, 1; plumbing and gas fitting, 1; pumps, not including steam pumps, 1; roofing and roofing materials, 1; shirts, 1; slaughtering and meat packing, wholesale, 2; soap and candles, 2; trunks and valises, 1; vinegar and cider, 1; wirework, including wire rope and cable, 1.

WILKESBARRE, PA.

4,405	2,058,978	264	250,752	3,226	1,553,345	915	254,881	4,026,579	7,746,371	1
53	31,268	1	624	52	30,644	.....	.....	20,306	58,680	2
18	11,252	.....	.....	18	11,252	.....	.....	12,253	28,375	3
77	36,961	9	6,700	68	30,261	.....	.....	100,120	169,985	4
101	30,857	2	960	99	29,897	.....	.....	10,215	66,950	5
206	145,689	14	16,120	192	129,569	.....	.....	202,522	506,260	6
52	27,014	6	4,884	46	23,030	.....	.....	32,824	77,750	7
132	62,110	5	3,100	99	43,366	28	15,644	82,640	179,325	8
142	37,892	.....	.....	142	37,892	.....	.....	48,155	97,394	9
11	6,200	2	1,800	9	4,400	.....	.....	8,370	23,200	10
41	18,478	8	3,916	33	14,562	.....	.....	53,926	90,625	11
29	14,690	5	3,260	24	11,430	.....	.....	150,630	197,900	12
307	162,335	24	23,196	283	139,139	.....	.....	339,837	617,832	13
6	5,304	2	1,600	4	3,704	.....	.....	14,260	28,500	14
69	35,690	3	2,374	66	33,316	.....	.....	48,760	95,000	15
208	134,496	9	8,315	199	126,181	.....	.....	182,788	452,031	16
96	27,694	1	400	95	27,294	.....	.....	51,725	104,065	17
9	4,420	.....	.....	9	4,420	.....	.....	3,400	9,100	18
50	29,532	8	6,332	42	23,200	.....	.....	29,689	74,171	19
25	13,036	8	6,200	17	6,836	.....	.....	6,642	32,076	20
24	13,286	2	1,600	22	11,686	.....	.....	28,749	58,250	21
22	7,531	1	416	19	5,971	2	1,144	5,955	18,000	22
93	49,585	10	12,764	61	25,865	22	10,956	23,917	117,951	23
17	9,710	3	2,020	14	7,690	.....	.....	19,535	39,300	24
23	14,199	2	1,664	21	12,535	.....	.....	12,449	35,249	25

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WILKESBARRE, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
26	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	8	$6,575	$104,250	$1,979
27	Tobacco, cigars and cigarettes	11	14,875	19,045	6,991
28	Watch, clock, and jewelry repairing. (See also Jewelry.)	9	9,050	7,155	1,094
29	Wirework, including wire rope and cable	4	7,100	855,990	10,737
30	All other industries (*a*)	50	244,550	2,929,882	249,133

a Embraces awnings, tents, and sails, 1; bicycle and tricycle repairing, 1; bookbinding and blank-book making, 2; boot and shoe uppers, 1; boots and shoes, factory product, 1; brass castings and brass finishing, 1; brooms and brushes, 2; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 1; chemicals, 1; clothing, men's, factory product, 1; clothing, women's, factory product, 1; cotton goods, 1; cutlery and edge tools, 1; dentistry, mechanical, 2; dyeing and cleaning, 2; engraving and diesinking, 1; fancy articles, not elsewhere specified, 2; files, 1; furniture, cabinetmaking, repairing and upholstering, 1; gas, illuminating and heating, 1; ironwork, architectural

WILLIAMSPORT, PA.

1	All industries (*a*)	302	793,335	12,335,423	626,646
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.	13	3,600	31,494	1,275
3	Boots and shoes, custom work and repairing	7	3,950	4,651	385
4	Bread and other bakery products	17	14,375	64,557	3,755
5	Brick and tile	3	.....	58,130	607
6	Carpentering	14	3,675	106,864	5,111
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	9,950	33,352	1,471
8	Clothing, men's, custom work and repairing	21	65,775	118,247	7,824
9	Clothing, women's, dressmaking	15	17,175	4,923	1,634
10	Confectionery	7	42,100	58,484	5,263
11	Dentistry, mechanical	9	17,875	5,040	1,474
12	Foundry and machine shop products	11	20,000	528,249	13,402
13	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	3	3,800	13,912	480
14	Furniture, factory product	4	3,925	705,922	74,979
15	Kindling wood	3	2,550	127,868	39,287
16	Leather, tanned and curried	3	.....	564,541	15,969
17	Lumber and other mill products from logs or bolts	21	121,100	6,608,444	245,121
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	10	33,500	221,236	14,808
19	Millinery, custom work	9	41,100	30,485	3,782
20	Mineral and soda waters. (See also Bottling.)	4	6,750	28,435	2,340
21	Monuments and tombstones. (See also Marble and stone work.)	3	1,575	16,925	368
22	Painting and paper hanging	12	6,750	13,524	1,657
23	Photography	8	22,100	34,925	3,700
24	Plumbing and gas fitting	6	18,200	28,160	2,075
25	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making; Printing and publishing, book and job.)	10	72,300	149,550	20,891
26	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.	4	5,300	14,080	604
27	Saddlery and harness	8	21,100	32,653	2,350
28	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	6	3,275	11,935	545
29	Tobacco, cigars and cigarettes	5	8,825	8,036	2,930
30	Watch, clock, and jewelry repairing	7	12,650	1,747	915
31	All other industries (*b*)	55	210,000	2,709,054	151,575

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Williamsport. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to exactly locate its operations within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

b Embraces belting and hose, leather, 1; bookbinding and blank-book making, 1; boots and shoes, factory product, 1; boots and shoes, rubber, 1; bottling, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brooms and brushes, 2; cars and general shop construction and repairs by steam railroad companies, 1; clothing, men's factory product, 2; cutlery and edge tools, 1; dyeing and cleaning, 2; flouring and grist mill products, 2; furnishing goods, men's, 2; furs, dressed, 1; gas,

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—*Continued.*

WILKESBARRE, PA.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piecework ers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
102	$61,708	11	$10,464	91	$51,244	.....	.....	$70,457	$142,948	26
47	21,749	10	5,116	37	16,633	.....	.....	27,113	67,310	27
11	7,016	.....	.....	11	7,016	.....	.....	1,783	14,800	28
190	108,465	15	22,490	155	73,975	20	$12,000	360,701	539,284	29
2,244	929,011	103	104,437	1,298	610,337	843	215,137	2,067,858	3,810,060	30

and ornamental, 2; jewelry, 1; liquors, malt, 2; lock and gun smithing, 1; lumber and other mill products from logs or bolts, 1; mineral and soda waters, 2; paper, 1; paving and paving materials, 1; plastering and stuccework, 1; shirts, 1; silk and silk goods, 1; slaughtering and meat packing, wholesale, 2; slaughtering, wholesale, not including meat packing, 1; *soap and candles*, 2; tools, not elsewhere specified, 2; umbrellas and canes, 1; washing machines and clothes wringers, 1; wood, turned and carved, 1.

WILLIAMSPORT, PA.

6,113	2,677,579	460	406,048	4,733	1,988,536	920	282,995	5,919,284	11,107,037	1
25	13,740	9	5,680	16	8,060	.....	.....	7,593	31,437	2
9	3,901	6	2,549	3	1,352	.....	.....	1,519	7,544	3
88	34,165	21	11,185	67	22,980	.....	.....	100,900	171,302	4
48	20,605	2	600	36	15,847	10	4,158	5,475	38,130	5
198	121,600	17	14,695	178	105,255	3	1,650	165,729	320,835	6
37	19,330	7	3,392	27	14,438	3	1,500	19,206	62,507	7
183	86,650	24	21,200	26	11,019	133	54,431	81,054	204,508	8
50	12,417	13	5,912	37	6,505	.....	.....	2,795	26,400	9
87	35,300	16	10,614	69	23,436	2	1,250	70,802	188,050	10
13	4,793	9	3,377	4	1,416	.....	.....	2,793	12,932	11
359	194,263	32	25,968	327	168,295	.....	.....	185,939	470,601	12
14	4,695	3	450	11	4,245	.....	.....	11,170	22,978	13
528	234,658	27	33,254	401	165,039	100	36,365	260,180	668,410	14
276	78,327	7	3,824	105	43,227	164	31,276	43,986	186,266	15
142	68,196	3	4,260	76	38,298	63	25,638	552,557	741,143	16
1,599	691,127	57	98,680	1,366	536,259	176	56,188	2,318,396	3,843,731	17
227	96,118	25	17,842	188	78,103	14	173	203,729	373,666	18
64	21,559	8	5,035	56	16,524	.....	.....	35,520	79,700	19
17	6,210	4	2,296	13	3,914	.....	.....	7,420	16,765	20
6	4,500	3	2,400	3	2,100	.....	.....	9,095	16,550	21
51	27,135	4	2,405	47	24,730	.....	.....	16,013	56,601	22
40	23,796	9	9,886	21	10,610	10	3,300	13,090	53,100	23
44	28,200	13	10,500	31	17,700	.....	.....	44,155	98,913	24
144	78,214	20	19,280	89	36,186	35	22,748	46,197	169,803	25
11	4,579	2	833	9	3,746	.....	.....	4,957	17,096	26
29	15,057	10	5,615	19	9,442	.....	.....	17,393	41,361	27
24	13,006	6	3,322	18	9,684	.....	.....	15,471	36,202	28
26	9,371	5	1,715	5	1,278	16	6,378	6,473	20,707	29
11	4,716	1	520	7	3,796	3	400	1,200	9,300	30
1,763	721,351	97	78,759	1,478	605,052	188	37,540	1,668,468	3,126,499	31

illuminating and heating, 1; hand stamps, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; lime and cement, 2; liquors, malt, 1; lock and gun smithing, 2; looking-glass and picture frames, 1; marble and stone work, 1; masonry, *brick and stone*, 1; mattresses and spring beds, 2; musical instruments *and materials*, not specified, 1; paints, 2; patent medicines and compounds, 2; plastering and stuccework, 2; printing and publishing, book and job, 2; pumps, not including steam pumps, 1; sand and emery paper and cloth, 1; saws, 2; sewing machines and attachments, 1; shirts, 2; timber products, not manufactured at mill, 1; washing machines and clothes wringers, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 2; woolen goods, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WILMINGTON, DEL.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	590	$1,378,180	$20,585,646	$1,131,648
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	21	29,070	66,026	5,304
3	Boots and shoes, custom work and repairing	76	65,900	47,212	7,336
4	Bottling. (See also Liquors, malt; Mineral and soda waters.)	4	12,000	57,600	11,390
5	Bread and other bakery products	38	64,000	268,505	19,220
6	Brooms and brushes	3	2,500	6,440	304
7	Carpentering	26	17,110	194,115	171,417
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	20	92,600	648,182	34,146
9	Cars, steam railroad, not including operations of railroad companies.	3	.....	2,839,733	87,677
10	Chemicals. (See also Fertilizers; Paints.)	3	.....	53,500	1,908
11	Clothing, men's, custom work and repairing	25	72,600	173,127	10,123
12	Clothing, women's, dressmaking	59	50,060	11,230	4,715
13	Coffins and burial cases, trimming and finishing	12	7,000	68,996	4,018
14	Confectionery	17	45,600	95,105	9,656
15	Electrical apparatus and supplies	3	2,600	120,044	16,137
16	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; steam fittings and heating apparatus.)	18	9,060	3,004,118	128,419
17	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	8	12,930	12,685	1,572
18	Iron and steel	3	.....	2,035,502	21,238
19	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	13,900	7,661	1,619
20	Leather, morocco	17	247,870	1,754,672	117,232
21	Liquors, malt. (See also Bottling.)	3	.....	456,876	68,068
22	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing.)	6	28,750	229,177	13,369
23	Marble and stone work	4	4,375	107,105	3,355
24	Masonry, brick and stone. (See also Plastering and stuccowork.)	8	7,565	97,175	22,172
25	Millinery, custom work	15	30,230	37,145	3,430
26	Mineral and soda waters. (See also Bottling.)	4	1,000	9,350	294
27	Painting and paper hanging	19	43,260	40,450	5,833
28	Photography	6	26,700	34,770	4,356
29	Plumbing and gas fitting	16	45,840	142,975	12,760
30	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	10	36,800	151,775	5,750
31	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	10	36,600	181,267	15,544
32	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	11	6,600	79,205	3,901
33	Saddlery and harness	12	23,660	76,550	8,679
34	Shipbuilding	6	32,000	1,731,163	69,502
35	Slaughtering and meat packing, wholesale. (See also Slaughtering, wholesale, not including meat packing.)	3	.....	142,500	3,392
36	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	14	21,000	90,655	5,733
37	Tobacco, cigars and cigarettes	21	38,000	40,282	13,612
38	All other industries (a)	63	251,000	5,472,773	223,467

a Embraces awnings, tents, and sails, 1; baskets and rattan and willow ware, 1; belting and hose, leather, 2; bookbinding and blank-book making, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; boxes, cigar, 1; boxes, wooden packing, 1; brass castings and brass finishing, 1; brick and tile, 2; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 2; cheese and butter, urban dairy product, 1; clay and pottery products, 2; coffee and spice, roasting and grinding, 2; cooperage, 1; cordage and twine, 1; cordials and sirups, 1; cotton goods, 2; cutlery and edge tools, 1; dentists' materials, 1; dyeing and finishing textiles, 1; electroplating, 2; fertilizers, 1; flouring and grist mill products, 1; gas, illuminating and heating, 1; glass, 1; grease and tallow, 2; ice, artificial, 1;

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WILMINGTON, DEL.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
14,377	$7,664,148	1,007	$956,281	12,136	$5,884,173	1,234	$823,694	$13,050,152	$24,568,125	1
74	39,584	22	13,974	48	24,890	4	720	19,234	66,177	2
112	47,435	67	30,379	25	9,088	20	7,968	25,676	88,058	3
37	20,496	7	5,936	30	14,560	.....	.....	84,920	146,040	4
140	77,462	46	28,490	94	48,972	.....	.....	179,409	329,350	5
7	2,650	1	300	6	2,350	.....	.....	3,107	6,350	6
296	197,088	23	21,721	273	175,367	.....	.....	281,644	720,342	7
461	251,636	26	24,260	341	180,011	94	47,365	336,086	795,880	8
2,347	1,396,198	46	66,459	2,031	1,039,739	300	290,000	1,528,528	3,291,293	9
14	7,000	1	300	13	6,700	.....	.....	31,500	76,000	10
259	106,905	25	20,102	106	50,256	128	36,547	98,775	245,725	11
166	50,603	62	32,179	104	18,424	.....	.....	15,377	78,258	12
21	11,996	11	7,138	9	4,258	1	600	20,270	41,935	13
75	30,650	24	10,764	51	19,886	.....	.....	80,676	146,230	14
62	33,992	5	6,900	57	27,092	.....	.....	85,352	101,756	15
1,521	888,900	75	100,681	1,311	695,102	135	93,117	1,149,505	2,495,034	16
23	11,083	10	6,363	10	3,420	3	1,300	4,900	18,950	17
1,228	602,106	36	59,075	1,192	543,031	.....	.....	1,170,330	1,896,660	18
17	7,870	5	3,584	12	4,286	.....	.....	4,990	12,962	19
1,432	722,170	81	103,098	1,261	570,269	90	48,812	2,752,680	4,015,694	20
58	48,060	10	14,780	48	33,280	.....	.....	100,608	247,046	21
122	72,986	14	12,774	104	57,712	4	2,500	65,625	173,442	22
40	22,761	4	3,560	36	19,201	.....	.....	27,115	82,725	23
123	85,290	8	9,150	115	76,140	.....	.....	93,785	227,475	24
48	18,618	14	8,588	34	10,030	.....	.....	29,877	56,729	25
15	6,470	3	2,840	12	3,630	.....	.....	3,365	11,300	26
120	77,428	23	16,710	91	51,521	15	9,197	35,190	128,950	27
19	14,168	6	5,800	13	8,368	.....	.....	11,000	29,263	28
159	89,969	29	23,234	130	66,735	.....	.....	148,009	297,061	29
117	54,797	17	12,545	100	42,252	.....	.....	18,787	102,100	30
155	88,841	32	25,950	86	42,674	37	20,217	25,103	144,677	31
74	45,269	14	9,790	60	35,479	.....	.....	30,485	90,261	32
42	24,459	12	8,015	30	16,444	.....	.....	29,705	69,800	33
1,752	873,636	40	94,374	1,712	779,262	.....	.....	807,988	1,966,124	34
42	24,600	6	4,840	36	19,760	.....	.....	235,450	302,460	35
79	47,229	16	12,117	63	35,112	.....	.....	35,267	99,100	36
85	39,464	19	11,070	11	2,261	55	26,133	22,605	79,957	37
3,026	1,524,270	167	138,441	2,511	1,146,611	348	239,218	3,457,229	5,966,961	38

iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, forgings, 1; leather, patent and enameled, 1; leather, tanned and curried, 2; looking-glass and picture frames, 2; mattresses and spring beds, 1; paints, 1; paving and paving materials, 1; pickles, preserves, and sauces, 1; plastering and stuccowork, 2; pulp from fiber, other than wood, 2; pumps, not including steam pumps, 1; saws, 1; slaughtering, wholesale, not including meat packing, 2; springs, steel, car and carriage, 2; steam fittings and heating apparatus, 2; tools, not elsewhere specified, 2; wirework, including wire rope and cable, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WILMINGTON, N. C.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	121	$141,166	$1,752,667	$105,571
2	Boots and shoes, custom work and repairing	19	8,270	4,893	1,202
3	Bread and other bakery products	4	1,200	2,220	554
4	Carpentering	10	3,460	16,245	5,468
5	Clothing, men's, custom work and repairing	8	18,865	2,340	2,891
6	Clothing, women's, dressmaking	10	4,000	2,795	573
7	Coffins and burial cases, trimming and finishing	3	1,660	1,180	322
8	Dentistry, mechanical	4	1,286	2,800	186
9	Flouring and grist mill products	4	7,150	41,400	3,561
10	Lumber and other mill products from logs or bolts	4	.....	253,000	13,532
11	Printing and publishing, newspapers and periodicals. (See also Printing and publishing, book and job.)	4	8,400	71,000	17,219
12	Tinsmithing, coppersmithing, and sheet-iron working	3	2,775	1,500	432
13	Watch, clock, and jewelry repairing	3	400	4,500	341
14	All other industries (a)	45	83,700	1,348,794	59,285

a Embraces awnings, tents, and sails, 1; blacksmithing and wheelwrighting, 2; brick and tile, 2; carriages and wagons, including custom work and repairing, 2; cars and general shop construction and repairs by steam railroad companies, 2; chemicals, 1; clothing, men's, factory product, 1; confectionery, 2; cotton, compressing, 2; cotton goods, 1; dyeing and cleaning, 1; fertilizers, 1; foundry and machine shop products, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; ice, artificial, 1; lock and gun smithing, 1; lumber, planing mill products, including sash, doors, and blinds, 1; marble and

WOONSOCKET, R. I.

1	All industries	201	962,560	10,096,619	393,282
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	7	3,000	48,760	695
3	Boots and shoes, custom work and repairing	13	9,000	4,345	846
4	Bottling. (See also Mineral and soda waters.)	4	7,800	36,550	1,102
5	Bread and other bakery products	7	5,100	68,775	1,543
6	Carpentering	11	5,825	11,875	600
7	Clothing, men's, custom work and repairing	13	33,000	18,305	3,317
8	Clothing, women's, dressmaking	34	22,375	5,798	2,238
9	Cotton goods. (See also Hosiery and knit goods.)	8	186,000	4,345,360	117,708
10	Dentistry, mechanical	5	8,600	2,125	732
11	Foundry and machine shop products	10	35,600	381,180	9,056
12	Masonry, brick and stone	4	2,000	5,050	187
13	Millinery, custom work	9	29,685	14,360	3,118
14	Monuments and tombstones	3	3,725	8,875	467
15	Painting and paper hanging	8	10,800	9,215	1,230
16	Photography	3	20,600	3,800	1,801
17	Plumbing and gas fitting	4	8,600	45,300	2,026
18	Printing and publishing, book and job. (See also Printing and publishing, newspapers and periodicals.)	4	9,675	22,250	1,559
19	Saddlery and harness	4	12,700	69,548	7,060
20	Soap and candles	3	1,000	21,135	615
21	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	4	5,000	13,525	632
22	Watch, clock, and jewelry repairing	5	3,575	2,500	383
23	Woolen goods. (See also Hosiery and knit goods.)	3	390,000	2,740,945	126,212
24	Worsted goods	4	51,000	764,300	28,554
25	All other industries (a)	31	97,900	1,452,743	70,992

a Embraces boxes, fancy and paper, 1; brass castings and brass finishing, 1; brooms and brushes, 1; carriages and wagons, including custom work and repairing, 1; cars and general shop construction and repairs by steam railroad companies, 1; confectionery, 1; dyeing and finishing textiles, 1; flouring and grist mill products, 2; furniture, cabinetmaking, repairing and upholstering, 1; gas, illuminating and heating, 1; hosiery and knit goods, 2; liquors, vinous, 1; lock and

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WILMINGTON, N. C.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
1,499	$549,868	141	$89,200	1,263	$447,593	95	$13,015	$1,014,384	$1,904,147	1
27	5,361	15	3,026	4	1,070	8	665	4,860	13,290	2
4	1,300	.....	.....	3	1,000	1	300	2,743	6,500	3
62	26,417	8	5,473	42	17,744	12	3,200	30,947	74,750	4
39	14,775	9	7,272	15	5,963	15	1,540	19,122	40,866	5
19	4,784	8	2,690	7	1,534	4	560	768	7,950	6
4	1,112	2	702	1	360	1	50	1,230	2,850	7
5	1,775	4	1,575	.....	.....	1	200	450	2,700	8
33	12,889	9	5,309	23	7,280	1	300	119,535	143,086	9
190	61,806	5	3,860	185	57,946	.....	.....	161,100	290,500	10
89	50,916	9	7,748	78	42,668	2	500	27,453	120,775	11
7	3,560	2	900	5	2,660	.....	.....	2,423	9,290	12
3	1,540	1	520	2	1,020	.....	.....	900	3,600	13
1,017	363,633	69	49,585	898	308,348	50	5,700	642,853	1,187,990	14

stone work, 1; masonry, brick and stone, 1; mattresses and spring beds, 2; millinery, custom work, 2; mineral and soda waters, 1; monuments and tombstones, 1; painting and paper hanging, 1; photography, 2; plumbing and gas fitting, 1; printing and publishing, book and job, 2; rice, cleaning and polishing, 1; saddlery and harness, 2; shipbuilding, 2; shirts, 1; wood, preserving, 1.

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6,417	2,361,617	227	220,388	5,951	2,077,099	239	64,130	5,532,286	9,013,264	1
35	20,164	8	4,900	27	15,264	.....	.....	10,447	32,500	2
14	6,944	7	3,484	7	3,460	.....	.....	5,357	15,575	3
17	9,768	2	2,000	15	7,768	.....	.....	52,560	104,500	4
53	31,010	8	6,380	44	24,170	1	460	75,367	130,100	5
97	59,003	7	6,075	90	52,928	.....	.....	109,400	186,900	6
89	41,806	7	6,370	34	16,360	48	19,076	32,770	87,200	7
118	38,863	27	11,596	91	27,267	.....	.....	7,617	54,100	8
2,842	842,302	35	47,180	2,798	792,504	9	2,618	1,670,780	3,071,903	9
6	4,301	5	4,036	1	265	.....	.....	1,775	6,900	10
264	153,666	16	15,932	248	137,734	.....	.....	157,228	374,050	11
54	30,590	2	1,900	52	28,690	.....	.....	29,150	70,700	12
35	18,866	10	6,766	25	12,100	.....	.....	34,675	63,500	13
14	9,540	3	2,140	11	7,400	.....	.....	5,985	17,900	14
39	19,901	4	2,301	35	17,600	.....	.....	15,000	43,100	15
6	3,268	2	768	4	2,500	.....	.....	1,750	9,500	16
89	55,690	5	4,430	84	51,260	.....	.....	103,425	174,750	17
16	8,334	2	1,404	14	6,930	.....	.....	4,039	16,400	18
56	28,589	5	6,174	51	22,415	.....	.....	74,089	128,000	19
7	3,600	3	1,900	4	1,700	.....	.....	36,387	42,230	20
11	7,310	.....	.....	11	7,310	.....	.....	10,345	21,500	21
9	4,100	3	1,950	6	2,150	.....	.....	1,525	7,450	22
1,166	432,005	14	21,030	1,082	399,667	70	11,308	1,019,463	1,921,151	23
590	191,998	12	19,980	570	168,480	8	3,538	746,622	1,030,950	24
790	339,999	40	41,692	647	271,177	103	27,130	1,326,530	2,002,465	25

gun smithing, 1; looking-glass and picture frames, 2; lumber and other mill products from logs or bolts, 1; lumber, planing mill products, including sash, doors, and blinds, 2; mineral and soda waters, 1; patent medicines and compounds, 1; printing and publishing, newspapers and periodicals, 2; roofing and roofing materials, 1; tobacco, cigars and cigarettes, 2; tools, not elsewhere specified, 1; washing machines and clothes wringers, 2; wood, turned and carved, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WORCESTER, MASS.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
1	All industries	996	$4,679,140	$25,230,620	$1,827,815
2	Belting and hose, leather	3	60,000	440,563	22,742
3	Blacking	3	2,525	7,104	2,556
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	40	70,600	66,161	8,274
5	Boot and shoe cut stock	7	50,665	210,790	14,200
6	Boots and shoes, custom work and repairing	70	68,425	13,104	6,676
7	Boots and shoes, factory product	15	274,465	1,502,823	182,562
8	Brass castings and brass finishing	3	7,730	13,100	1,090
9	Bread and other bakery products	17	90,800	63,437	18,080
10	Carpentering	69	36,360	526,330	33,441
11	Carriage and wagon materials	3	5,325	33,375	834
12	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	8	38,235	54,575	5,991
13	Cars and general shop construction and repairs by steam railroad companies.	3	.....	130,008	.....
14	Clay and pottery products. (See also Brick and tile.)	4	13,660	31,385	3,874
15	Clothing, men's, custom work and repairing	24	118,510	126,989	17,671
16	Clothing, men's, factory product	3	62,500	106,031	11,215
17	Clothing, women's, dressmaking	82	152,135	23,158	16,143
18	Coffee and spice, roasting and grinding	3	6,087	17,779	1,109
19	Coffins and burial cases, trimming and finishing	5	30,475	28,953	3,710
20	Confectionery	6	33,337	29,450	3,593
21	Cotton goods. (See also Hosiery and knit goods.)	7	172,000	345,129	24,346
22	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	5	20,050	117,502	7,826
23	Dentistry, mechanical	3	7,400	1,130	598
24	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	11	79,600	14,051	10,025
25	Dyeing and cleaning	7	21,130	16,670	2,623
26	Electroplating	4	9,425	3,720	1,140
27	Engraving and diesinking	4	8,700	1,525	1,132
28	Engraving, wood	5	12,580	8,407	1,713
29	Envelopes	4	117,275	464,067	57,041
30	Files. (See also Cutlery and edge tools.)	3	4,230	13,750	750
31	Firearms	4	27,500	432,206	21,794
32	Flouring and grist mill products	3	2,000	130,011	2,490
33	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	78	614,465	4,501,791	264,031
34	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Mattresses and spring beds.)	15	40,800	24,522	5,914
35	Grease and tallow. (See also Soap and candles.)	4	.....	60,100	4,707
36	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	5	9,775	279,274	22,133
37	Iron and steel, bolts, nuts, washers, and rivets	3	27,950	49,300	3,978
38	Iron and steel, nails and spikes, cut and wrought, including wire nails	3	4,775	275,925	4,864
39	Leather, tanned and curried	3	10,555	218,650	8,888
40	Lock and gun smithing	11	15,850	8,930	1,921
41	Looking-glass and picture frames	8	20,450	16,770	3,035
42	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	8	32,000	574,300	37,145
43	Marble and stone work. (See also Monuments and tombstones.)	5	4,156	29,750	1,363
44	Masonry, brick and stone. (See also Plastering and stucco work.)	37	9,770	296,854	29,453
45	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	6	9,950	36,200	2,610
46	Millinery, custom work	18	101,460	36,032	12,186
47	Mineral and soda waters	5	6,800	35,650	6,139
48	Models and patterns	6	13,155	9,400	1,823
49	Monuments and tombstones. (See also Marble and stone work.)	3	8,800	68,889	5,395
50	Musical instruments and materials, not specified	3	9,400	3,350	1,004
51	Musical instruments, organs and materials	6	122,900	415,234	45,658
52	Needles and pins	3	2,375	9,625	552
53	Optical goods	3	7,000	6,450	1,108
54	Painting and paper hanging	37	45,510	33,825	7,987
55	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	6,720	7,850	2,511
56	Photography	18	85,060	21,591	8,021

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WORCESTER, MASS.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
21,729	$11,694,121	1,485	$1,573,707	17,118	$8,802,344	3,126	$1,318,070	$21,208,904	$39,533,869	1
79	54,393	16	21,190	63	33,203	.....	.....	649,972	757,633	2
6	3,235	1	416	5	2,819	.....	.....	15,486	23,640	3
125	83,952	41	28,888	83	54,714	1	350	41,419	154,638	4
404	123,053	16	19,600	135	55,823	253	47,630	419,579	680,332	5
87	43,286	67	34,083	14	6,563	6	2,640	21,986	79,025	6
1,571	804,031	53	71,015	783	383,713	735	348,703	1,709,979	2,923,545	7
16	10,040	3	2,340	13	7,700	.....	.....	19,563	35,009	8
124	66,785	28	16,781	92	48,926	4	1,078	183,069	321,255	9
999	734,201	75	89,963	924	644,238	.....	.....	1,186,579	2,107,628	10
11	8,265	3	2,240	8	6,025	.....	.....	7,607	17,530	11
57	39,570	7	6,540	50	33,030	.....	.....	34,981	90,927	12
221	118,531	.....	.....	221	118,531	.....	.....	143,829	262,369	13
28	16,408	6	4,550	18	9,250	4	2,608	7,401	33,000	14
242	130,039	30	26,880	45	34,061	167	69,098	131,526	312,287	15
127	60,708	3	4,200	124	56,508	.....	.....	175,261	283,050	16
404	128,564	54	29,954	293	83,253	57	15,357	15,672	260,793	17
6	3,824	3	2,224	2	1,300	1	300	53,733	66,138	18
29	19,150	4	3,400	25	15,750	.....	.....	23,221	57,254	19
32	20,365	9	7,704	23	12,661	.....	.....	40,538	74,253	20
259	101,502	18	23,755	182	58,112	59	19,635	400,297	578,853	21
81	53,511	11	10,114	70	43,397	.....	.....	32,605	118,140	22
4	2,214	3	1,964	1	250	.....	.....	450	3,984	23
26	15,528	17	10,588	9	4,940	.....	.....	22,063	51,568	24
33	16,844	5	4,254	28	12,590	.....	.....	4,986	31,537	25
22	13,676	5	4,400	17	9,276	.....	.....	2,774	18,404	26
5	3,310	4	2,760	1	550	.....	.....	1,250	8,807	27
19	11,370	8	5,620	11	5,750	.....	.....	1,357	21,440	28
425	182,348	20	54,612	150	69,869	246	57,867	539,192	901,262	29
32	18,102	1	1,000	24	12,792	7	4,310	6,971	30,490	30
507	259,302	13	15,510	443	209,771	51	34,021	95,175	451,002	31
22	13,147	5	3,950	17	9,197	.....	.....	94,603	116,900	32
3,575	2,200,179	175	225,861	3,082	1,779,775	318	194,543	2,333,293	5,472,417	33
47	30,310	16	9,680	29	19,850	2	780	41,645	84,686	34
28	19,574	4	4,600	24	14,974	.....	.....	58,476	97,700	35
225	129,304	19	23,540	146	64,514	60	41,250	70,700	264,489	36
58	32,956	6	7,600	52	25,356	.....	.....	27,935	98,626	37
65	47,880	11	13,220	42	24,590	12	10,070	172,090	235,000	38
72	47,180	5	8,712	67	38,468	.....	.....	397,959	487,243	39
19	12,138	10	7,528	7	4,110	2	500	13,329	32,332	40
19	12,337	7	5,495	12	6,842	.....	.....	26,192	44,065	41
333	210,942	17	21,840	312	187,002	4	2,100	339,046	630,571	42
43	32,361	6	5,830	37	26,531	.....	.....	11,871	51,476	43
615	433,464	40	53,768	575	379,696	.....	.....	509,921	1,037,386	44
51	26,179	6	5,184	45	20,995	.....	.....	105,385	175,646	45
68	29,513	18	10,185	44	17,451	6	1,877	65,429	127,510	46
21	11,108	4	2,854	17	8,254	.....	.....	16,517	53,540	47
21	15,450	7	5,740	14	9,710	.....	.....	3,497	22,900	48
65	33,465	6	4,805	59	28,660	.....	.....	21,822	83,877	49
5	3,478	3	2,105	2	1,368	.....	.....	7,525	14,452	50
208	178,978	18	24,007	174	105,473	76	44,498	175,383	468,209	51
26	12,004	4	3,280	22	8,724	.....	.....	2,335	16,614	52
9	5,533	1	500	8	5,038	.....	.....	2,172	10,890	53
175	113,277	27	21,364	147	91,763	1	150	41,827	185,238	54
7	3,701	3	2,545	4	1,156	.....	.....	5,330	16,000	55
42	23,351	13	8,491	27	14,150	2	710	18,227	64,646	56

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

WORCESTER, MASS.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
57	Plumbing and gas fitting	29	$144,925	$216,155	$22,132
58	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	19	80,450	121,955	17,142
59	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	11	110,250	164,000	45,238
60	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	4	5,100	56,842	15,339
61	Saddlery and harness	20	45,100	39,850	4,703
62	Sausage. (See also Slaughtering and meat packing, wholesale.)	4	9,700	6,125	3,280
63	Screws, machine	4	94,500	171,100	18,939
64	Shirts. (See also Furnishing goods, men's.)	4	11,500	8,050	1,304
65	Soap and candles. (See also Grease and tallow.)	3	850	6,645	1,474
66	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	16	59,000	37,885	7,243
67	Tobacco, cigars and cigarettes	9	21,500	37,625	10,207
68	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	15	101,000	316,296	22,899
69	Watch, clock, and jewelry repairing. (See also Jewelry.)	28	102,500	13,395	8,992
70	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	9	204,115	419,543	45,918
71	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	6	12,650	30,906	2,230
72	Woolen goods. (See also Carpets and rugs, other than rag; Hosiery and knit goods; Worsted goods.)	14	189,500	1,269,399	106,436
73	All other industries (a)	82	673,100	10,320,404	526,074

a Embraces agricultural implements, 2; awnings, tents, and sails, 2; babbitt metal and solder, 1; baskets and rattan and willow ware, 1; bookbinding and blank-book making, 2; boxes, cigar, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brick and tile, 1; brooms and brushes, 2; carpets and rugs, other than rag, 2; cars and general shop construction and repairs by street railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 1; cheese and butter, urban dairy product, 1; clothing, women's, factory product, 2; cooperage, 1; corsets, 2; dyeing and finishing textiles, 1; emery wheels, 1; electrical apparatus and supplies, 2; fancy articles, not elsewhere specified, 1; fire extinguishers, chemical, 2; flags and banners, 1; furnishing goods, men's, 1; furniture, chairs, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; hand stamps, 1; hats and caps, not including wool hats, 1; hosiery and knit goods, 1; ink,

YONKERS, N. Y.

1	All industries (a)	628	2,163,519	10,989,789	819,340
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	27	43,930	36,396	5,202
3	Boots and shoes, custom work and repairing	59	127,000	30,291	11,922
4	Bottling. (See also Liquors, malt; Mineral and soda waters.)	13	48,000	38,707	5,665
5	Boxes, fancy and paper	3	11,335	10,003	1,102
6	Bread and other bakery products	18	105,600	78,358	13,510
7	Carpentering	48	62,275	558,250	11,592
8	Carpets, rag	3	1,200	5,573	245
9	Carpets and rugs, other than rag	3	20,000	2,922,364	72,053
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	3	3,000	61,100	1,218
11	Chemicals. (See also Fertilizers; Varnish.)	3	125,650	177,000	153,419
12	Clothing, men's, custom work and repairing	29	102,390	71,473	10,004
13	Clothing, women's, dressmaking	111	180,050	104,568	17,457
14	Clothing, women's, factory product	3	3,787	12,723	324
15	Confectionery	12	86,100	20,185	7,361
16	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	11	55,750	43,005	5,674
17	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	13	25,940	1,221,124	125,532
18	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	16	41,227	10,379	3,355
19	Hairwork	3	16,950	2,915	1,370
20	Hats and caps, not including wool hats	3	152,670	735,245	110,536
21	Lock and gun smithing	7	15,000	10,235	1,266
22	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	7	21,000	31,070	2,889
23	Masonry, brick and stone. (See also Plastering and stuccowork.)	23	42,890	1,739,067	18,190
24	Millinery, custom work	14	53,025	27,675	5,164
25	Mineral and soda waters. (See also Bottling.)	8	20,400	94,656	2,561
26	Painting and paper hanging	38	72,000	166,679	8,280

a Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Yonkers. This industry is reported as of the place where the office of the establishment is located, because it is not practicable to

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

WORCESTER, MASS.—Continued.

Average number of employés and total wages.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
216	$152,111	34	$33,547	182	$118,564	.....	.....	$267,412	$483,478	57
153	64,991	30	19,148	81	44,045	42	$1,798	42,949	147,633	58
237	203,784	37	35,552	136	108,644	64	59,588	69,030	358,811	59
60	37,114	6	7,020	48	28,972	6	1,122	101,041	162,227	60
58	35,476	17	11,854	40	23,422	1	200	38,978	100,241	61
21	13,208	4	4,000	17	9,208	.....	.....	26,883	50,870	62
160	79,769	8	8,668	148	70,021	4	1,080	57,194	214,543	63
51	21,251	5	5,600	9	2,931	37	12,720	14,155	42,793	64
8	4,964	2	1,520	6	3,444	.....	.....	5,430	13,375	65
48	32,001	14	9,970	34	22,031	.....	.....	34,568	102,585	66
68	35,796	7	5,084	6	2,656	55	28,056	28,158	82,392	67
267	184,702	21	28,177	204	123,178	42	33,347	98,103	379,115	68
39	24,128	19	9,890	20	14,238	.....	.....	7,754	46,200	69
476	161,373	29	29,228	254	82,071	193	50,074	292,163	596,978	70
37	25,330	7	7,780	25	16,550	5	1,000	18,280	51,320	71
933	356,367	21	23,943	912	332,424	.....	.....	835,549	1,374,857	72
7,037	3,442,840	260	342,897	6,174	2,870,933	603	229,010	8,718,937	14,838,975	73

writing, 1; instruments, professional and scientific, 1; iron and steel, 2; iron and steel, forgings, 1; ironwork, architectural and ornamental, 1; japanning, 1; jewelry, 1; lasts, 2; leather goods, 2; liquors, malt, 1; oil, lubricating, 1; paints, 1; paving and paving materials, 1; photographic materials, 1; plastering and stucowork, 2; printing materials, 1; refrigerators, 1; regalia and society banners and emblems, 2; saws, 1; shipbuilding, 2; silk and silk goods, 1; slaughtering and meat packing, wholesale, 1; sporting goods, 2; springs, steel, car and carriage, 1; stamped ware, 2; steam fittings and heating apparatus, 1; surgical appliances, 1; trunks and valises, 2; umbrellas and canes, 1; vinegar and cider, 1; watch and clock materials, 1; wire, 2; worsted goods, 1.

YONKERS, N. Y.

11,303	5,877,145	860	803,168	9,194	4,529,489	1,249	544,488	10,995,699	21,319,017	1
67	43,274	26	17,910	40	25,164	1	200	22,636	88,954	2
103	49,397	57	31,864	40	16,535	6	998	32,655	107,946	3
32	16,310	13	8,560	19	7,750	.....	.....	50,263	98,111	4
54	21,859	2	1,520	34	11,381	18	8,958	25,199	52,430	5
103	59,610	29	18,912	74	40,698	.....	.....	165,128	276,959	6
548	435,437	56	48,466	492	386,971	.....	.....	441,759	1,073,407	7
5	1,716	2	1,040	3	676	.....	.....	1,542	4,514	8
3,933	1,469,399	18	42,824	3,803	1,386,622	112	39,953	4,918,726	7,962,491	9
16	12,128	2	1,520	14	10,608	.....	.....	7,601	27,420	10
129	98,317	25	50,300	91	43,687	13	4,330	163,806	507,109	11
101	56,940	30	17,700	55	32,054	16	7,186	85,855	193,955	12
354	119,470	115	55,344	239	64,126	.....	.....	249,695	498,685	13
10	3,940	2	1,120	8	2,820	.....	.....	3,585	9,995	14
34	13,908	14	6,048	20	7,860	.....	.....	40,611	98,250	15
34	19,188	11	7,312	23	11,876	.....	.....	12,521	53,004	16
426	301,958	78	108,368	324	189,702	24	3,888	487,446	1,090,920	17
45	23,325	17	11,480	24	11,104	4	741	14,051	52,393	18
6	2,678	3	1,820	3	858	.....	.....	2,795	10,240	19
1,199	557,506	7	17,780	335	162,693	857	377,033	719,449	1,741,544	20
14	8,776	7	4,600	7	4,176	.....	.....	4,750	15,790	21
30	18,980	8	4,800	22	14,180	.....	.....	17,472	46,209	22
1,415	1,031,423	43	62,907	1,372	968,516	.....	.....	915,238	2,248,837	23
37	15,482	16	8,500	21	6,982	.....	.....	53,918	93,747	24
43	20,073	9	5,540	34	14,533	.....	.....	22,319	76,665	25
294	227,051	42	33,024	251	193,937	1	90	88,073	389,869	26

exactly locate its operations within the limits of a county or municipality. The data are included in "All other industries" in order that the operations of individual establishments may not be disclosed.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

YONKERS, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	CAPITAL. Direct investment.	Miscellaneous expenses.
27	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	$2,177	$19,290	$474
28	Paving and paving materials	7	22,225	53,425	2,069
29	Photography	3	13,800	4,970	1,130
30	Pickles, preserves, and sauces	5	11,555	16,300	1,037
31	Plumbing and gas fitting	17	41,000	153,644	5,364
32	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	5	19,800	14,970	1,723
33	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	3	14,575	58,750	9,137
34	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	4	6,600	8,320	546
35	Saddlery and harness	10	21,800	14,350	2,051
36	Silk and silk goods	4	131,100	341,100	75,155
37	Slaughtering and meat packing, wholesale	3	42,750	57,440	5,114
38	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	8	31,366	43,045	3,237
39	Tobacco, cigars and cigarettes	11	43,163	20,409	7,166
40	Umbrellas and canes	3	2,000	12,275	262
41	Watch, clock, and jewelry repairing	10	41,000	8,304	3,807
42	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	4	25,685	7,830	2,718
43	All other industries (*a*)	50	255,757	1,946,326	102,459

a Embraces awnings, tents, and sails, 2; bookbinding and blank-book making, 1; boots and shoes, factory product, 1; brass castings and brass finishing, 1; bridges, 2; brooms and brushes, 2; clothing, men's, factory product, 1; clothing, men's, factory product, buttonholes, 1; cooperage, 2; corsets, 1; dentistry, mechanical, 2; dyeing and cleaning, 2; electric light and power, 2; fertilizers, 1; food preparations, 1; furnishing goods, men's, 2; glue, 1; grease and tallow, 1; hosiery and knit goods,

YORK, PA.

1	All industries	350	444,790	3,842,453	358,635
2	Agricultural implements	3	.....	534,700	21,325
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	11	850	21,791	308
4	Boots and shoes, custom work and repairing	23	12,250	17,216	1,417
5	Boxes, cigar	5	.....	58,026	1,126
6	Bread and other bakery products	13	12,500	86,393	8,148
7	Brick and tile. (See also Clay and pottery products.)	5	200	18,770	1,162
8	Brooms and brushes	7	3,700	2,125	380
9	Carpentering	6	700	31,875	3,987
10	Carpets, rag	4	9,710	54,825	1,633
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	8	15,500	135,345	7,076
12	Clothing, men's, custom work and repairing	14	29,475	87,674	4,904
13	Clothing, women's, dressmaking	38	14,800	14,684	1,999
14	Confectionery	7	5,130	17,717	4,362
15	Cooperage	10	.....	11,616	108
16	Dentistry, mechanical	10	11,500	14,685	1,088
17	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	6	53,000	374,140	25,035
18	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	7	13,300	14,555	1,692
19	Lime and cement	8	2,300	18,305	1,440
20	Lock and gun smithing	3	1,600	3,175	171
21	Looking-glass and picture frames	4	4,500	1,612	406
22	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing.)	6	15,750	117,500	7,533
23	Marble and stone work	3	3,825	11,585	383
24	Masonry, brick and stone	3	400	4,840	348
25	Millinery, custom work	9	30,175	31,020	2,973
26	Mineral and soda waters	4	1,950	31,625	1,233

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

YONKERS, N. Y.—Continued.

Average number of employés and total wages.								Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piceworkers.				
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
26	$15,492	11	$10,172	15	$5,320	.....	.....	$14,626	$38,982	27
60	31,587	10	7,088	50	23,899	.....	.....	23,255	69,657	28
5	2,636	3	1,960	1	520	1	$156	2,802	8,234	29
18	10,712	6	4,212	12	6,500	.....	.....	7,426	24,554	30
147	106,470	24	19,736	123	86,734	.....	.....	120,070	279,501	31
17	7,456	5	2,740	12	4,716	.....	.....	4,647	18,760	32
42	28,206	4	8,000	31	14,642	7	5,564	10,706	57,557	33
22	12,898	5	3,528	17	9,370	.....	.....	11,741	29,300	34
22	13,202	9	5,680	13	7,522	.....	.....	11,651	33,008	35
559	347,402	12	22,470	448	258,270	99	66,662	498,395	1,097,580	36
23	15,664	3	3,520	20	12,144	.....	.....	103,143	139,843	37
57	41,088	11	8,040	46	33,048	.....	.....	40,637	119,271	38
26	13,400	6	4,224	20	9,176	.....	.....	13,193	59,669	39
6	2,416	2	676	4	1,740	.....	.....	1,238	4,170	40
25	11,916	11	6,512	12	5,200	2	204	1,882	19,750	41
18	12,096	5	2,984	13	9,112	.....	.....	18,400	38,625	42
1,198	576,359	101	121,767	1,099	426,067	88	28,525	1,555,794	2,481,111	43

1; ironwork, architectural and ornamental, 1; leather, morocco, 1; liquors, malt, 2; looking-glass and picture frames, 1; marble and stone work, 2; mattresses and spring beds, 1; monuments and tombstones, 1; mucilage and paste, 1; musical instruments, pianos and materials, 1; plastering and stuccowork, 1; plumbers' supplies, 1; shipbuilding, 2; shirts, 2; sugar and molasses, refining, 1; timber products, not manufactured at mill, 1; tools, not elsewhere specified, 2; varnish, 1; wool hats, 1.

YORK, PA.

4,120	1,609,456	451	289,038	2,752	1,109,486	917	210,932	3,170,840	5,968,223	1
361	126,422	11	8,406	350	118,016	.....	.....	276,733	468,846	2
16	8,000	11	5,850	5	2,150	.....	.....	4,526	15,732	3
36	12,658	19	7,013	14	4,745	3	900	8,782	27,569	4
106	27,720	9	5,075	52	13,725	45	8,920	84,268	148,470	5
92	39,448	19	15,150	73	24,298	.....	.....	130,207	200,324	6
34	7,815	4	1,215	7	1,570	23	5,030	2,179	13,168	7
19	5,133	7	2,223	5	1,210	7	1,700	5,254	11,632	8
72	32,022	6	4,758	66	28,164	.....	.....	69,124	129,500	9
100	29,932	2	1,500	14	5,252	84	23,180	59,311	109,175	10
196	73,362	10	10,150	184	62,212	2	1,000	222,574	389,030	11
165	42,225	17	13,300	43	14,625	105	14,900	55,746	124,031	12
118	23,240	44	13,165	74	10,081	.....	.....	74,648	109,981	13
37	8,340	7	3,153	15	2,690	15	2,500	26,555	51,050	14
27	6,244	4	1,144	4	1,000	19	4,100	13,430	24,094	15
13	6,117	10	5,790	3	327	.....	.....	3,128	17,026	16
387	205,404	20	26,684	367	178,720	.....	.....	219,129	506,813	17
25	9,176	5	2,300	19	6,588	1	288	8,795	25,400	18
36	9,654	4	1,118	32	8,536	.....	.....	11,532	27,965	19
3	1,800	3	1,800	.....	.....	.....	.....	425	2,800	20
4	815	4	815	.....	.....	.....	.....	2,460	4,150	21
161	92,071	11	14,250	150	77,821	.....	.....	186,117	308,604	22
18	11,930	4	3,100	14	8,830	.....	.....	6,910	21,443	23
63	27,218	5	4,100	58	23,118	.....	.....	64,750	114,288	24
37	9,672	16	5,545	21	4,127	.....	.....	55,365	79,400	25
24	9,000	4	2,400	20	6,600	.....	.....	4,153	15,750	26

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

YORK, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
27	Painting and paper hanging	9	$9,000	$41,525	$1,974
28	Photography	4	19,825	17,950	1,598
29	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	7	13,100	45,945	2,244
30	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	11	19,900	158,910	26,507
31	Saddlery and harness	9	9,600	11,274	963
32	Tinsmithing, coppersmithing, and sheet-iron working	16	14,700	38,345	3,350
33	Tobacco, cigars and cigarettes	33	26,400	283,127	97,272
34	Watch, clock, and jewelry repairing	7	7,600	11,470	830
35	Whips	3	3,550	27,250	1,160
36	All other industries (*a*)	34	78,000	1,490,858	122,440

a Embraces baskets and rattan and willow ware, 1; bookbinding and blank-book making, 2; boxes, wooden packing, 2; cars and general shop construction and repairs by steam railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 1; clay and pottery products, 1; clothing, women's, factory product, 1; dyeing and cleaning, 1; fertilizers, 1; files, 1; furnishing goods, men's, 1; gas, illuminating and heating, 1; hairwork, 1; hardware, saddlery, 1; hats and caps, not including wool hats, 1; ice, artificial, 1; iron and steel, 1; iron and steel, nails and spikes, cut and wrought,

YOUNGSTOWN, OHIO.

1	All industries	245	418,044	7,542,742	462,785
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	12	7,600	16,920	1,310
3	Boots and shoes, custom work and repairing	20	5,750	4,933	1,015
4	Bread and other bakery products	6	14,925	27,230	4,967
5	Brick and tile	3	6,000	34,884	1,748
6	Carpentering	8	3,660	16,925	1,407
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	2,750	162,900	5,655
8	Clothing, men's, custom work and repairing	13	27,300	60,169	5,517
9	Clothing, women's, dressmaking	32	21,100	9,405	3,982
10	Confectionery	5	28,800	6,770	2,791
11	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	5	.....	383,847	54,452
12	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	3	3,000	960	415
13	Iron and steel	8	93,400	4,852,704	238,910
14	Lock and gun smithing	3	2,675	1,975	433
15	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts.)	4	24,250	151,875	7,310
16	Masonry, brick and stone. (See also Plastering and stuccowork.)	7	3,160	37,675	3,211
17	Millinery, custom work	10	22,125	19,330	3,528
18	Mineral and soda waters. (See also Bottling.)	4	.....	11,725	1,054
19	Monuments and tombstones. (See also Marble and stone work.)	3	4,350	15,520	1,001
20	Painting and paper hanging	6	3,824	5,035	993
21	Photography	7	22,000	9,910	2,746
22	Plastering and stuccowork. (See also Masonry, brick and stone.)	5	3,125	5,630	923
23	Plumbing and gas fitting	5	4,000	48,700	1,662
24	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making; Printing and publishing, book and job.)	5	29,700	68,425	13,775
25	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	6	12,075	33,550	2,341
26	Saddlery and harness	4	8,350	6,125	831
27	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	6	4,700	98,507	3,835
28	Tobacco, cigars and cigarettes	7	13,575	11,509	11,589
29	Watch, clock, and jewelry repairing	10	9,875	4,365	1,542
30	All other industries (*a*)	34	35,975	1,435,239	83,833

a Embraces bookbinding and blank-book making, 1; bottling, 1; brass castings and brass finishing, 1; brooms and brushes, 2; cheese and butter, urban dairy product, 1; coffee and spice, roasting and grinding, 2; coffins and burial cases, trimming and finishing, 1; cooperage, 1; dyeing and cleaning, 1; flouring and grist mill products, 2; gas, illuminating and heating, 1; glass, 1; gunpowder, 1; hairwork, 2; house furnishing goods, not elsewhere specified, 2; iron and steel, pipe,

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

YORK, PA.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Piceworkers.		Cost of materials used.	Value of products, *including* receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
68	$29,935	14	$7,350	54	$22,585	.....	.....	$25,303	$66,100	27
17	9,630	7	6,162	10	3,468	.....	.....	6,188	23,000	28
61	18,319	9	4,500	32	7,419	20	$6,400	9,851	36,000	29
151	51,358	23	13,720	126	36,963	2	675	26,803	136,112	30
15	6,075	9	3,750	6	2,325	.....	.....	9,432	21,750	31
79	35,088	21	13,000	58	22,088	.....	.....	49,995	114,557	32
546	161,439	30	20,807	43	11,831	473	128,801	138,098	446,221	33
17	6,365	8	2,795	9	3,570	.....	.....	1,037	12,250	34
16	5,840	4	1,965	12	3,875	.....	.....	3,507	14,741	35
1,000	459,074	70	54,985	812	391,551	118	12,538	1,303,925	2,150,660	36

including wire nails, 1; leather, tanned and curried, 1; liquors, malt, 1; malt, 1; mattresses and spring beds, 1; musical instruments, organs and materials, 1; paper, 1; plumbing and gas fitting, 2; show cases, 1; soap and candles, 1; steam fittings and heating apparatus, 1; washing machines and clothes wringers, 1; wirework, including wire rope and cable, 1; woolen goods, 1.

YOUNGSTOWN, OHIO.

5,843	3,607,659	357	311,707	5,256	3,181,405	230	114,547	9,380,929	14,667,260	1
30	18,385	11	7,632	19	10,753	.....	.....	5,382	32,737	2
28	14,013	19	8,947	9	5,066	.....	.....	8,336	22,785	3
34	18,627	8	6,360	26	12,267	.....	.....	42,729	77,299	4
57	24,517	7	5,360	48	17,957	2	1,200	15,197	48,874	5
61	52,701	5	3,865	56	28,926	.....	.....	43,100	91,865	6
85	57,538	9	9,609	74	46,929	2	1,000	93,176	187,794	7
131	62,380	13	8,156	12	7,470	106	46,754	60,691	158,871	8
86	24,874	23	9,679	63	15,195	.....	.....	8,804	43,710	9
18	8,438	8	3,710	10	4,728	.....	.....	13,416	27,903	10
249	152,963	13	15,960	236	137,003	.....	.....	247,395	501,545	11
3	1,716	1	468	2	1,248	.....	.....	2,150	5,150	12
3,776	2,491,392	71	101,552	3,705	2,389,840	.....	.....	6,332,311	9,676,050	13
6	3,068	3	1,612	3	1,456	.....	.....	1,300	5,350	14
75	48,151	8	9,310	67	38,841	.....	.....	228,215	357,800	15
93	52,485	4	3,602	89	48,883	.....	.....	62,506	126,420	16
39	10,404	11	4,001	28	6,403	.....	.....	19,400	37,167	17
10	5,682	4	2,509	6	3,173	.....	.....	4,498	23,022	18
12	8,500	4	3,640	7	4,760	1	100	11,170	21,600	19
36	22,313	6	4,884	30	17,429	.....	.....	12,645	39,532	20
17	11,212	8	6,772	9	4,440	.....	.....	4,859	22,855	21
28	11,533	4	2,390	24	9,143	.....	.....	9,250	24,100	22
39	26,475	12	9,608	27	16,867	.....	.....	36,220	70,573	23
83	64,998	13	12,440	38	28,208	32	24,350	22,904	115,801	24
33	19,015	7	5,270	26	13,745	.....	.....	58,511	87,680	25
15	9,054	7	4,540	7	3,734	1	780	9,859	20,300	26
93	36,427	10	7,220	42	13,707	41	15,500	87,865	145,860	27
38	19,057	7	5,140	11	1,859	20	12,058	15,562	47,323	28
15	8,964	6	3,764	9	5,200	.....	.....	1,950	14,440	29
653	342,687	55	43,707	573	286,175	25	12,805	1,921,537	2,632,848	30

wrought, 1; ironwork, architectural and ornamental, 1; liquors, malt, 2; looking-glass and picture frames, 2; lumber and other mill products from logs or bolts, 1; marble and stone work, 1; mattresses and spring beds, 1; printing and publishing, book and job, 1; scales and balances, 1; soap and candles, 1; tools, not elsewhere specified, 1; trunks and valises, 1.

TABLE 2.—MANUFACTURES IN 165 CITIES HAVING A POPULATION

ZANESVILLE, OHIO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.		Miscellaneous expenses.
			Value of hired property.	Direct investment.	
1	All industries	301	$344,847	$4,200,409	$303,616
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	18	12,330	12,578	1,851
3	Boots and shoes, custom work and repairing	21	8,700	4,551	1,100
4	Bread and other bakery products	6	2,000	177,518	23,640
5	Brick and tile. (See also Clay and pottery products.)	3	.....	331,990	16,647
6	Carpentering	13	6,600	21,675	782
7	Carpets, rag	3	300	972	75
8	Carriage and wagon materials	3	2,000	21,635	1,787
9	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	9	7,553	180,993	14,394
10	Clay and pottery products. (See also Brick and tile.)	4	3,310	424,053	69,713
11	Clothing, men's, custom work and repairing	10	44,350	94,120	7,499
12	Clothing, women's, dressmaking	13	7,520	5,754	856
13	Coffee and spice, roasting and grinding	4	4,000	38,735	1,583
14	Confectionery	8	6,680	27,565	2,727
15	Cooperage	4	1,200	2,979	233
16	Flouring and grist mill products	5	7,705	116,682	9,496
17	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	5	10,000	479,623	20,291
18	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product.)	5	5,000	17,333	901
19	Glass	4	.....	164,462	7,915
20	Liquors, malt	4	.....	83,402	19,942
21	Looking-glass and picture frames	3	5,500	1,450	521
22	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts.)	6	2,359	110,513	4,637
23	Masonry, brick and stone. (See also Plastering and stuccowork.)	9	4,430	29,380	681
24	Millinery, custom work	12	39,000	22,277	3,910
25	Mineral and soda waters	3	1,200	3,700	178
26	Painting and paper hanging	10	7,820	4,620	863
27	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	4	1,800	21,004	5,280
28	Photography	7	13,725	8,360	1,384
29	Plumbing and gas fitting	3	10,000	10,770	1,633
30	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	5	4,125	25,288	1,236
31	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	8	13,750	100,150	13,936
32	Saddlery and harness	4	8,975	3,162	890
33	Soap and candles	3	800	133,344	34,085
34	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	11	7,575	14,678	1,309
35	Tobacco, cigars and cigarettes. (See also Tobacco, chewing, smoking, and snuff.)	20	32,100	23,326	21,398
36	Watch, clock, and jewelry repairing	6	13,100	4,315	1,124
37	All other industries (a)	45	49,340	1,471,352	98,989

a Embraces agricultural implements, 1; bookbinding and blank-book making, 1; boxes, cigar, 1; boxes, fancy and paper, 1; boxes, wooden packing, 2; brass castings and brass finishing, 1; brooms and brushes, 1; cars and general shop construction and repairs by steam railroad companies, 2; coffins, burial cases, and undertakers' goods, 1; cordage and twine, 1; druggists' preparations, not including prescriptions, 2; dyeing and cleaning, 2; files, 1; fruits and vegetables, canning and preserving, 1; furniture, factory product, 1; gas, illuminating and heating, 1; glue, 1; hairwork, 1; iron and steel, 2; ironwork,

OF 20,000 AND OVER, BY SPECIFIED INDUSTRIES: 1890—Continued.

ZANESVILLE, OHIO.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.										
Aggregates.		Officers, firm members, and clerks.		Operatives, skilled and unskilled.		Pieceworkers.		Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Average number.	Total wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
3,687	$1,560,933	299	$235,343	2,717	$1,049,622	671	$275,968	$3,331,626	$6,053,484	1
20	8,428	7	3,848	13	4,580	.....	.....	7,203	26,392	2
25	8,449	9	3,421	9	2,983	7	2,045	6,772	23,058	3
140	35,038	22	7,209	118	27,829	.....	.....	161,530	276,168	4
261	111,900	12	12,150	249	99,750	.....	.....	40,526	220,000	5
71	38,422	3	2,100	64	35,022	4	1,300	138,821	191,978	6
3	1,400	3	1,400	.....	.....	.....	.....	1,765	3,352	7
22	8,771	1	375	21	8,396	.....	.....	7,765	23,092	8
139	52,286	5	4,051	64	24,295	70	23,940	86,014	175,126	9
318	150,771	29	40,365	288	109,881	1	525	55,942	362,822	10
144	45,628	13	6,875	29	12,697	102	26,056	77,457	157,410	11
42	7,232	8	2,761	34	4,471	.....	.....	25,899	38,805	12
23	6,868	3	2,164	20	4,704	.....	.....	179,475	194,767	13
27	6,505	4	1,232	15	3,243	8	2,030	31,854	49,169	14
12	5,059	.....	.....	1	360	11	5,299	8,695	22,126	15
35	18,097	6	4,940	29	13,157	.....	.....	229,544	277,900	16
253	139,524	17	20,552	187	86,972	49	32,000	123,001	323,128	17
12	4,820	2	960	10	3,860	.....	.....	6,093	17,690	18
267	142,267	7	9,100	160	35,437	100	97,730	90,941	242,981	19
34	19,875	5	3,820	29	16,055	.....	.....	31,533	88,974	20
5	1,272	1	416	4	856	.....	.....	2,380	5,180	21
75	39,432	14	7,630	61	31,802	.....	.....	61,466	118,675	22
140	79,877	8	5,875	132	74,002	.....	.....	63,826	169,482	23
45	7,809	4	1,152	41	6,657	.....	.....	29,851	52,684	24
4	1,156	3	1,056	1	100	.....	.....	930	3,250	25
37	15,275	7	3,226	27	11,515	3	534	9,950	32,850	26
17	6,001	3	1,950	14	4,051	.....	.....	7,347	36,149	27
18	6,493	3	1,220	13	5,152	2	112	4,244	15,413	28
31	9,625	.....	.....	31	9,625	.....	.....	8,285	23,737	29
14	4,688	2	958	12	3,730	.....	.....	5,564	15,651	30
106	49,139	8	6,500	62	26,899	36	15,740	22,111	104,904	31
10	4,215	2	1,230	8	2,985	.....	.....	4,644	11,000	32
107	54,852	13	17,240	76	32,112	18	5,500	500,389	648,099	33
18	7,135	3	1,473	*15	5,662	.....	.....	9,182	24,382	34
103	26,748	4	1,250	24	6,990	75	18,508	23,525	83,484	35
13	5,906	3	1,404	10	4,502	.....	.....	1,425	11,020	36
1,096	429,370	65	55,431	846	329,290	185	44,649	1,265,677	1,974,486	37

architectural and ornamental, 1; leather, tanned and curried, 2; lime and cement, 1; lock and gun smithing, 1; lumber and other mill products from logs or bolts, 1; monuments and tombstones, 2; paints, 1; paper, 1; plastering and stucco work, 2; roofing and roofing materials, 2; shirts, 1; stationery goods, not elsewhere specified, 2; tobacco, chewing, smoking, and snuff, 1; trunks and valises, 1; umbrellas and canes, 1; woolen goods, 1.