TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

BUFFALO, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
				Direct investment.						
					Value of plant.			Live assets.		
			Value of hired property.	Aggregate.	Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
62	Hairwork	6	$52,825	$27,600	.....	.....	$3,000	$10,150	$10,000	$4,450
63	Hand stamps	3	23,225	54,050	$20,000	$5,000	17,200	7,000	1,600	3,250
64	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	5	101,000	204,384	6,000	6,628	61,175	14,551	27,686	88,344
65	Hats and caps, not including wool hats. (See also Fur goods.)	5	31,700	15,550	.....	.....	5,000	4,150	2,875	3,525
66	Iron and steel, bolts, nuts, washers, and rivets	3	.....	525,750	186,000	129,000	210,100	100	50	500
67	Iron and steel, forgings	8	6,700	805,951	157,500	180,900	323,200	73,100	26,925	94,326
68	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	5	22,750	210,300	56,500	43,000	67,700	10,600	6,500	26,000
69	Jewelry. (See also Watch, clock, and jewelry repairing.)	4	24,375	106,650	.....	.....	13,800	20,200	10,400	62,250
70	Jewelry and instrument cases	5	40,000	90,661	1,000	14,000	17,197	18,628	14,243	25,593
71	Leather, tanned and curried	8	.....	2,009,816	342,000	232,988	98,439	210,078	782,329	343,982
72	Lime and cement	4	.....	1,014,895	759,500	54,350	58,650	883	630	140,882
73	Liquors, malt. (See also Bottling.)	19	.....	5,357,413	848,783	1,661,911	1,077,907	313,684	578,183	876,945
74	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	5	85,000	1,159,957	60,000	114,477	470,500	175,628	89,144	250,208
75	Lock and gun smithing	9	11,450	22,350	9,225	6,000	4,450	460	860	1,355
76	Looking-glass and picture frames	26	128,920	280,645	56,500	56,500	27,920	56,825	48,800	34,100
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.)	29	145,000	2,882,448	471,540	409,936	478,598	713,644	138,437	670,293
78	Malt. (See also Liquors, malt.)	22	184,585	3,299,195	487,650	766,340	189,825	253,040	1,074,550	527,790
79	Marble and stone work (See also Monuments and tombstones.)	10	24,885	325,352	60,000	23,500	37,700	78,200	13,000	112,952
80	Masonry, brick and stone. (See also Plastering and stuccowork.)	109	81,700	1,025,820	204,070	151,100	144,413	38,745	279,295	208,197
81	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	9	60,945	53,732	.....	.....	8,554	12,124	13,052	20,002
82	Millinery, custom work	67	247,250	318,030	84,200	65,400	8,555	115,910	28,540	15,425
83	Mineral and soda waters. (See also Bottling.)	11	34,000	90,993	21,050	20,274	37,384	3,575	2,160	6,550
84	Models and patterns	8	14,050	11,595	.....	.....	4,045	525	1,375	5,050
85	Monuments and tombstones. (See also Marble and stone work.)	14	8,625	153,381	46,650	17,950	7,810	11,730	39,424	29,817
86	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	4	8,200	6,380	.....	.....	1,320	250	560	4,250
87	Musical instruments, pianos and materials	4	41,335	113,859	.....	.....	2,100	16,950	22,059	72,750
88	Optical goods	3	3,750	1,300	.....	.....	750	600	10	.....
89	Painting and paper hanging	181	369,690	870,801	103,465	100,200	154,056	188,787	67,563	256,730
90	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	27	99,715	644,028	107,500	182,500	72,204	53,374	80,563	147,797
91	Paving and paving materials	9	51,200	528,999	3,500	3,000	41,398	48,763	20,531	411,807
92	Petroleum, refining	3	21,942	1,778,931	145,100	200,275	397,829	60,598	236,238	738,822
93	Photography	43	171,235	117,765	13,125	8,300	71,300	7,200	7,265	10,575
94	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	6	13,000	141,121	34,800	35,200	31,232	16,789	4,800	18,300
95	Plastering and stuccowork. (See also Masonry, brick and stone.)	16	5,620	32,363	11,000	10,000	6,200	313	850	4,000
96	Plumbing and gas fitting	63	169,000	673,569	194,488	108,550	48,290	124,029	47,065	151,147
97	Printing and publishing, book and job. (See also Bookbinding and blank-book making; Printing and publishing, music.)	40	309,385	507,554	11,550	8,400	302,045	53,418	43,046	89,095
98	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	38	612,640	926,596	11,000	8,000	543,037	100,393	11,117	253,040
99	Refrigerators	5	65,000	632,775	85,000	98,800	89,180	85,993	163,109	110,693
100	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	8	35,575	43,350	2,500	2,500	15,850	6,100	2,800	13,600
101	Saddlery and harness	37	79,275	281,804	44,200	39,450	12,808	32,603	54,447	98,356
102	Sausage. (See also Slaughtering.)	5	11,222	44,836	13,000	7,000	8,125	2,670	4,891	9,150
103	Scales and balances	3	10,000	104,525	20,600	32,525	10,000	9,000	15,000	18,000
104	Sewing machine repairing	4	4,400	8,545	5,000	2,000	470	30	30	1,015
105	Shipbuilding	14	60,857	1,045,660	430,500	71,100	147,800	45,487	24,260	326,513
106	Shirts. (See also Furnishing goods, men's.)	6	26,140	122,141	.....	.....	10,896	9,060	54,335	47,850
107	Slaughtering and meat packing, wholesale. (See also Sausage.)	6	13,300	2,545,560	243,000	428,000	231,200	56,760	663,500	923,100
108	Slaughtering, wholesale, not including meat packing. (See also Sausage.)	28	20,000	360,720	108,340	114,400	16,475	18,700	42,705	60,100
109	Soap and candles. (See also Grease and tallow.)	13	72,500	1,350,535	97,570	187,703	194,510	231,431	184,213	455,108
110	Stereotyping and electrotyping. (See also Type founding.)	4	15,934	9,560	.....	.....	7,200	360	100	1,900
111	Surgical appliances. (See also Artificial limbs.)	4	17,250	11,105	.....	.....	4,350	780	3,750	2,225
112	Taxidermy	3	4,050	1,075	.....	.....	300	250	250	275
113	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	108	171,625	1,062,259	206,025	297,550	185,721	58,364	96,807	217,792
114	Tobacco, cigars and cigarettes	163	110,365	610,480	158,109	124,807	17,381	114,657	79,763	115,763
115	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	4	17,500	158,228	8,000	14,000	87,000	10,155	24,373	14,700

BY SPECIFIED INDUSTRIES: 1890—Continued.

BUFFALO, N. Y.—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$4,490	$4,225	.....	$245	.....	.....	.....	$20	27	$12,342	4	$3,980	5	$3,350	62
2,161	1,858	.....	303	.....	.....	.....	.....	29	10,120	5	4,540	2	1,456	63
8,760	6,060	$99	2,364	$40	.....	$197	.....	371	157,151	12	11,482	3	1,544	64
2,295	2,220	.....	75	.....	.....	.....	.....	40	18,518	6	7,100	1	600	65
16,599	.....	835	2,485	6,902	.....	6,377	.....	357	128,820	3	1,998	.....	.....	66
39,115	536	2,564	2,808	26,314	.....	3,088	3,805	453	290,087	23	33,374	.....	.....	67
4,874	1,820	1,606	648	100	.....	.....	700	125	77,057	9	13,305	.....	.....	68
2,167	1,950	.....	217	.....	.....	.....	.....	112	70,434	12	28,100	9	2,000	69
5,545	3,200	300	895	525	.....	350	275	171	53,998	12	14,155	.....	.....	70
121,380	.....	6,520	23,270	23,600	.....	63,920	4,070	629	312,438	33	48,100	.....	.....	71
72,659	.....	30,974	548	12,334	.....	7,000	12,803	193	84,884	6	10,400	.....	.....	72
1,028,824	.....	474,953	21,503	48,046	.....	64,657	419,665	583	439,343	60	62,884	.....	.....	73
81,358	6,800	2,461	9,979	5,280	.....	24,500	32,338	815	517,183	54	86,394	9	4,818	74
1,269	1,030	104	60	75	.....	.....	.....	21	10,395	11	7,046	.....	.....	75
18,172	11,603	1,030	1,179	990	.....	.....	3,370	135	61,395	28	21,868	1	200	76
303,396	13,050	16,935	25,657	11,865	$175,000	35,134	25,755	2,146	1,125,836	103	118,058	4	1,540	77
145,916	10,767	24,288	26,300	19,222	.....	22,201	43,138	574	270,125	42	62,880	.....	.....	78
110,837	2,250	2,216	1,018	2,090	91,500	480	10,383	370	227,859	25	26,670	.....	.....	79
120,656	7,354	4,825	1,685	5,405	52,700	1,670	47,017	2,900	1,611,002	156	211,651	.....	.....	80
7,334	5,485	.....	505	.....	.....	125	1,219	78	36,225	9	10,180	2	1,900	81
24,065	19,780	1,735	1,404	481	.....	.....	665	328	101,819	18	12,063	58	30,133	82
11,650	2,724	546	450	810	.....	265	6,855	98	49,421	15	13,100	.....	.....	83
1,261	1,124	.....	67	70	.....	.....	.....	22	14,659	6	5,180	1	500	84
3,365	776	1,299	453	212	.....	.....	625	87	67,047	19	21,308	.....	.....	85
680	656	.....	24	.....	.....	.....	.....	6	2,220	4	1,900	.....	.....	86
4,177	3,307	.....	870	.....	.....	.....	.....	91	67,000	9	13,812	.....	.....	87
300	300	.....	.....	.....	.....	.....	.....	6	4,300	3	2,800	.....	.....	88
144,836	33,272	4,377	4,834	6,895	.....	28,670	66,788	1,354	800,543	229	184,908	4	1,152	89
711,024	7,049	3,770	3,485	6,412	.....	850	689,458	271	129,628	52	39,964	35	13,176	90
143,311	4,095	175	70	13,723	.....	15,702	109,546	1,422	525,109	31	27,324	.....	.....	91
73,279	3,072	7,875	1,749	17,954	.....	11,607	31,022	274	152,503	25	21,590	.....	.....	92
16,976	13,699	347	1,020	170	.....	420	1,320	158	93,470	47	46,948	6	3,656	93
4,992	1,038	579	555	2,820	.....	.....	.....	44	26,948	16	14,368	1	1,200	94
1,615	506	109	75	.....	.....	.....	925	98	64,674	19	16,294	1	300	95
33,138	13,520	3,099	2,499	1,455	.....	60	12,505	815	437,012	101	106,675	2	924	96
39,460	21,657	210	4,760	1,180	.....	4,432	7,221	530	278,629	72	71,592	2	820	97
204,962	42,880	2,850	12,859	3,867	.....	5,181	137,325	1,095	626,969	110	115,558	19	6,461	98
71,709	5,200	3,998	3,186	4,250	.....	5,725	49,350	449	219,706	20	32,088	1	500	99
5,598	2,846	105	197	.....	.....	.....	2,450	104	57,530	16	16,430	.....	.....	100
9,965	7,135	903	1,297	295	.....	120	215	194	101,562	41	36,038	4	1,336	101
2,111	1,010	270	281	350	.....	.....	200	23	13,686	4	4,300	.....	.....	102
4,100	800	1,000	1,225	75	.....	.....	100	162	84,680	15	14,030	.....	.....	103
542	396	71	25	50	.....	.....	.....	5	2,044	3	1,314	.....	.....	104
25,212	4,260	5,906	4,571	1,700	.....	2,825	5,950	569	403,642	30	33,925	1	2,500	105
3,810	2,100	.....	401	300	.....	.....	1,000	847	124,610	11	12,805	3	870	106
111,501	1,200	9,353	15,075	11,698	.....	35,600	38,575	674	366,313	36	48,226	15	5,936	107
17,343	1,797	3,193	1,528	2,445	.....	.....	8,380	182	107,910	38	41,900	1	312	108
234,054	5,800	4,713	11,377	7,849	.....	24,616	179,699	490	205,594	60	65,972	10	6,310	109
1,461	1,275	.....	61	.....	.....	.....	125	17	12,396	5	6,236	.....	.....	110
1,554	1,380	.....	74	100	.....	.....	.....	12	7,146	6	4,080	.....	.....	111
324	324	.....	.....	.....	.....	.....	.....	5	2,730	3	2,500	.....	.....	112
122,480	15,505	7,198	3,925	10,113	.....	11,797	73,942	1,024	517,469	127	113,038	2	1,025	113
104,315	10,743	72,765	3,516	1,784	.....	2,386	13,121	642	326,933	157	109,218	2	728	114
8,836	1,400	360	1,306	1,620	.....	3,060	1,090	126	57,896	7	8,500	.....	.....	115

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

BUFFALO, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
62	Hairwork	2	$756	16	$4,250						
63	Hand stamps	17	9,136	4	832	1	$156				
64	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	148	60,899	19	2,439	27	3,391	156	$76,080	2	$423
65	Hats and caps, not including wool hats. (See also Fur goods.)	5	3,512	16	3,200	1	156	7	3,150		
66	Iron and steel, bolts, nuts, washers, and rivets	354	126,822								
67	Iron and steel, forgings	423	255,013	7	1,700						
68	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	114	63,336			2	416				
69	Jewelry. (See also Watch, clock, and jewelry repairing.)	82	37,742	6	1,812	3	780				
70	Jewelry and instrument cases	55	26,801	90	11,182	5	660			9	1,200
71	Leather, tanned and curried	596	264,338								
72	Lime and cement	181	73,134			6	1,350				
73	Liquors, malt. (See also Bottling.)	523	376,459								
74	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	491	330,034	183	41,176	47	9,560	31	45,201		
75	Lock and gun smithing	8	3,037			2	312				
76	Looking-glass and picture frames	77	35,297	26	3,530	1	100	2	400		
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.)	1,964	982,286			45	4,946	30	19,000		
78	Malt. (See also Liquors, malt.)	532	207,245								
79	Marble and stone work. (See also Monuments and tombstones.)	297	184,321	2	806			9	6,442	37	9,620
80	Masonry, brick and stone. (See also Plastering and stuccowork.)	2,735	1,394,201					9	5,150		
81	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	29	13,775	25	4,822			4	1,420	9	4,128
82	Millinery, custom work			248	59,184	3	239			1	200
83	Mineral and soda waters. (See also Bottling.)	69	33,196	10	2,500	4	625				
84	Models and patterns	14	8,875			1	104				
85	Monuments and tombstones. (See also Marble and stone work.)	65	44,189			1	150	2	1,400		
86	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	1	200					1	120		
87	Musical instruments, pianos and materials	72	51,240	1	400	9	1,638				
88	Optical goods	3	1,500								
89	Painting and paper hanging	956	518,912	12	2,660	5	538	145	91,727	2	546
90	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.	64	40,968	58	14,398			53	19,411	9	1,711
91	Paving and paving materials	1,381	497,165					10	620		
92	Petroleum, refining	217	111,541					32	19,372		
93	Photography	59	29,548	35	11,318	5	574	6	1,426		
94	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	20	10,360	7	1,020						
95	Plastering and stuccowork. (See also Masonry, brick and stone.)	78	48,080								
96	Plumbing and gas fitting	658	324,473			32	4,390	22	550		
97	Printing and publishing, book and job. (See also Bookbinding and blank-book making; Printing and publishing, music.)	368	184,830	70	17,178	13	2,072	5	2,128		
98	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	517	331,769	90	17,765	100	11,472	239	133,944	20	10,000
99	Refrigerators	103	55,262	23	4,600	47	6,850	240	118,806	2	300
100	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	88	41,100								
101	Saddlery and harness	110	49,242	1	200	1	150	37	14,596		
102	Sausage. (See also Slaughtering.)	19	9,386								
103	Scales and balances	124	55,872			5	774	18	14,004		
104	Sewing machine repairing	1	600			1	130				
105	Shipbuilding	500	340,817					38	26,400		
106	Shirts. (See also Furnishing goods, men's.)	7	4,520	14	3,760	1	75			811	102,580
107	Slaughtering and meat packing, wholesale. (See also Sausage.)	607	306,199					7	4,368	9	1,584
108	Slaughtering, wholesale, not including meat packing. (See also Sausage.)	120	53,398	1	120			22	12,180		
109	Soap and candles. (See also Grease and tallow).	233	104,757	81	19,028	86	6,565	9	1,506	8	1,456
110	Stereotyping and electrotyping. (See also Type founding.)	12	6,160								
111	Surgical appliances. (See also Artificial limbs.)	4	2,600	1	310	1	156				
112	Taxidermy	1	200					1	30		
113	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	725	387,215	16	2,300	43	4,576	81	1,470	17	7,190
114	Tobacco, cigars and cigarettes	109	48,754	22	2,562	31	3,850	290	155,856	23	5,047
115	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	56	27,520	10	2,080	4	618	40	19,178		

BY SPECIFIED INDUSTRIES: 1890—Continued.

BUFFALO, N. Y.—Continued.

Average number of employés and total wages—continued. Piecework—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
		$10,890	$10,700	$90			$100	$36,100	$8,700	$27,400	62
		9,149	8,409	22			718	38,055	26,055	12,000	63
4	$893	87,515	76,777	7,001			3,737	339,853	337,853	2,000	64
4	800	14,629	14,500	129				51,300	47,600	3,700	65
		395,850	388,000	7,850				607,000	605,000	2,000	66
		469,614	429,900	39,668			46	946,122	945,122	1,000	67
		313,998	306,800	2,773			4,425	441,700	429,700	12,000	68
		100,701	99,600	505	$596			220,000	76,000	144,000	69
		52,050	48,465	935	500		2,150	139,811	139,211	600	70
		1,698,625	1,692,725	5,900				2,390,400	2,385,400	5,000	71
		54,170	200	16,761			37,209	229,668	210,500	19,168	72
		1,235,656	1,128,868	73,786			33,002	3,274,376	3,265,161	9,215	73
		464,007	446,853	3,642	3,012		10,500	1,480,862	1,471,247	9,615	74
		5,407	5,357	50				20,525	13,600	6,925	75
		140,613	138,078	1,425			1,110	255,350	223,400	31,950	76
		1,988,931	1,932,113	7,643	500	$4,000	44,675	3,918,819	3,903,819	15,000	77
		2,680,417	2,637,634	41,195		700	888	3,614,835	3,550,993	63,842	78
		338,034	329,742	3,100			5,192	767,317	762,023	5,294	79
		1,682,485	1,602,320	7,025		90	73,050	3,722,779	3,379,517	343,262	80
		87,564	82,409	780			4,375	139,618	108,528	31,090	81
		208,282	206,445	1,687			150	410,366	269,147	141,222	82
		41,134	39,956	690			488	152,150	151,650	500	83
		1,602	1,290	27	260	5	20	23,948	23,948		84
		92,602	90,797	105			1,700	193,257	189,757	3,500	85
		2,555	2,460	95				7,720	4,200	3,520	86
		86,197	85,177	770	250			190,900	184,900	6,000	87
		1,836	1,800	36				6,800	5,000	1,800	88
1	100	728,611	706,430	5,491			16,690	1,925,073	1,675,000	250,073	89
		267,961	250,312	4,864		100	12,685	1,809,100	1,549,679	259,421	90
		463,535	428,555	14,700			20,280	1,472,804	1,472,804		91
		1,499,257	1,058,629	75,898			364,730	1,822,020	1,526,599	295,421	92
		53,386	46,546	596			6,244	222,593	207,693	14,900	93
		55,837	54,022	1,515		300		132,000	122,500	9,500	94
		44,268	39,173	65			5,030	127,300	99,800	27,500	95
		693,105	689,001	3,360		50	694	1,360,070	1,211,570	148,500	96
		218,143	206,411	1,285	7,637		2,810	620,060	599,760	20,300	97
		345,562	316,472	8,304	1,800		18,986	1,451,651	1,444,130	7,521	98
13	1,300	225,409	128,584	3,275		6,300	87,250	600,170	546,700	53,470	99
		96,575	95,900	675				175,000	117,000	58,000	100
		124,129	111,032	469			12,628	273,838	208,406	65,432	101
		53,555	51,890	1,165			500	81,100	81,100		102
		46,880	44,700	1,880		300		190,800	187,000	3,800	103
		605	550	55				3,700	3,700		104
		311,650	275,266	1,000			35,384	1,012,095	789,009	223,086	105
		113,620	113,150	110	300		60	274,000	264,000	10,000	106
		6,466,186	6,338,741	24,445			103,000	7,719,970	7,716,392	3,578	107
		1,970,978	1,967,688	3,290				2,231,074	2,046,810	184,264	108
		1,315,428	1,019,191	11,776	600	3,000	280,861	2,073,547	2,072,547	1,000	109
		4,625	4,450	100	75			21,345	21,345		110
		2,625	2,425	160			40	18,000	9,000	9,000	111
		1,220	1,150	70				5,400		5,400	112
13	655	834,272	820,520	8,397			5,355	1,688,966	1,363,862	325,104	113
8	918	277,160	250,536	2,037			24,587	818,858	816,586	2,272	114
		39,405	34,450	2,140	1,280		1,535	121,888	121,888		115

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

BUFFALO, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
116	Trunks and valises. (See also Leather goods.)	7	$46,250	$20,250	$1,000	$200	$1,300	$3,500	$3,500	$10,750
117	Umbrellas and canes	6	8,200	18,377	5,000	3,000	1,410	2,995	4,600	1,372
118	Watch, clock, and jewelry repairing. (See also Jewelry.)	80	170,100	109,945	28,000	27,350	25,270	12,665	4,205	12,455
119	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	5	35,750	79,600	3,000	2,400	55,200	4,000	6,000	9,000
120	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	10	23,500	20,292	500	200	6,608	2,050	1,875	9,059
121	All other industries (a)	76	476,186	8,262,442	1,151,050	1,347,531	2,081,040	640,463	936,475	2,105,883

BURLINGTON, IOWA.

1	All industries	223	492,849	3,963,986	443,400	513,430	961,167	642,871	511,721	891,397
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	12	7,200	17,240	3,400	4,000	2,450	2,165	1,865	3,360
3	Boots and shoes, custom work and repairing	9	7,760	4,440	.....	.....	2,050	1,005	785	600
4	Bread and other bakery products	8	7,418	113,152	21,000	33,000	18,801	9,473	9,810	26,068
5	Brick and tile	4	.....	58,800	16,200	9,000	23,400	.....	2,000	8,200
6	Carpentering	22	6,491	36,570	800	2,150	4,160	2,040	370	27,050
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	9	1,750	304,060	28,000	58,350	32,650	46,810	41,600	96,650
8	Clothing, men's, custom work and repairing	10	37,556	58,691	.....	.....	2,050	25,810	5,550	25,281
9	Confectionery	4	20,000	40,952	8,000	12,000	4,949	1,700	6,075	8,228
10	Cooperage	4	.....	31,300	8,500	7,100	800	7,250	3,550	4,100
11	Foundry and machine shop products	5	600	266,525	22,300	43,700	78,000	23,800	45,850	52,875
12	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	3	2,727	7,295	800	1,200	500	1,300	1,075	2,420
13	Furniture, factory product	7	43,000	250,010	17,000	26,000	22,600	61,802	61,233	61,375
14	Lumber and other mill products from logs or bolts.	5	7,500	623,260	60,000	38,700	86,041	171,793	117,900	148,826
15	Marble and stone work. (See also Monuments and tombstones.)	3	1,545	15,525	3,000	700	950	675	4,700	5,500
16	Masonry, brick and stone. (See also Plastering and stuccowork.)	9	745	6,575	.....	.....	2,150	250	.....	4,175
17	Millinery, custom work	10	38,727	23,815	1,000	2,000	.....	14,400	2,625	3,790
18	Painting and paper hanging	4	6,328	5,855	.....	.....	600	3,355	.....	1,900
19	Photography	6	21,333	12,235	500	1,500	5,500	925	500	3,310
20	Plastering and stuccowork. (See also Masonry, brick and stone.)	6	600	1,350	.....	.....	350	.....	.....	1,000
21	Plumbing and gas fitting	3	16,944	25,100	.....	.....	2,800	13,500	800	8,000
22	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	4	34,863	54,007	.....	.....	32,155	12,268	100	9,484
23	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	7	39,750	93,250	.....	.....	56,000	4,950	600	31,700
24	Saddlery and harness	5	29,500	111,385	.....	.....	4,755	47,960	17,070	41,600
25	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	7	25,100	26,850	3,400	6,100	3,400	2,000	2,300	9,650
26	Tobacco, cigars and cigarettes	16	47,773	69,110	3,200	5,500	2,505	16,800	15,130	25,975
27	All other industries (b)	41	87,639	1,706,634	246,300	262,430	576,551	170,840	170,233	280,280

CAMBRIDGE, MASS.

1	All industries	1,232	3,936,373	20,331,585	1,614,494	2,346,951	3,310,972	2,171,058	4,797,973	6,090,137
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	49	70,800	89,669	23,600	21,400	13,740	6,934	5,515	18,480
3	Bookbinding and blank-book making. (See also Printing and publishing.)	3	11,250	10,900	.....	.....	4,250	1,500	1,100	4,050
4	Boots and shoes, custom work and repairing	84	116,650	8,828	150	225	4,518	2,615	895	425
5	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	4	42,620	172,332	28,300	37,700	38,954	36,973	9,757	20,648
6	Bread and other bakery products	35	160,000	381,068	47,800	47,736	63,072	53,428	10,931	149,101

a Embraces agricultural implements, 1; artificial limbs, 1; axle grease, 1; bicycles and tricycles, 1; boot and shoe uppers, 2; boxes, cigar, 2; calcium lights, 1; cars and general shop construction and repairs by street railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 2; china, decorating, 1; clothing, men's, factory product, buttonholes, 2; coffins, burial cases, and undertakers' goods, 1; cordage and twine, 1; cotton goods, 1; dye stuffs and extracts, 1; engraving, steel, including plate printing, 1; envelopes, 1; fertilizers, 2; furniture, chairs, 1; galvanizing, 1; glucose, 1; grease and tallow, 1; hand knit goods, 1; hay and straw, baling, 2; hosiery and knit goods, 1; ink, printing, 1; ink, writing, 1; instruments, professional and scientific, 2; kindling wood, 2; lamps and reflectors, 1; lasts, 2; leather goods, 2; liquors, distilled, 1; lumber and other mill products from logs or bolts, 2; mantels, slate, marble, and marbleized, 1; musical instruments, organs and materials, 2; nets and seines, 1; oil, linseed, 2; oil, lubricating, 1; paints, 2; perfumery and cosmetics, 1; photographic materials, 1; photolithographing and engraving, 2; printing and publishing, music, 2; regalia and society banners and emblems, 1; safes and vaults, 1; show cases, 1; sporting goods, 1; stamped ware, 2;

BY SPECIFIED INDUSTRIES: 1890—Continued.

BUFFALO, N. Y.—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$4,568	$3,700	$20	$348	.....	.....	.....	$500	40	$21,955	8	$9,180	.....	.....	116
945	738	90	92	.....	.....	.....	25	15	6,646	7	3,824	1	$250	117
15,685	13,608	622	482	$298	.....	.....	675	154	85,542	70	46,352	1	964	118
3,763	2,860	275	178	.....	.....	.....	450	59	29,626	10	11,330	.....	.....	119
2,572	2,115	10	369	78	.....	.....	.....	60	35,622	11	8,852	.....	.....	120
1,225,045	35,712	258,662	52,147	97,231	$20,400	$56,916	703,977	3,277	1,805,633	247	260,854	11	3,892	121

BURLINGTON, IOWA.

259,615	46,755	31,086	19,756	13,829	12,870	46,388	88,931	3,264	1,424,178	307	257,200	22	9,564	1
1,245	792	109	84	.....	.....	50	210	26	11,073	10	4,798	.....	.....	2
829	776	15	28	.....	.....	.....	10	12	4,194	5	1,944	.....	.....	3
3,350	816	642	482	150	.....	650	610	81	35,000	13	9,680	.....	.....	4
765	.....	135	160	330	.....	100	40	70	27,170	1	1,040	.....	.....	5
13,776	714	6	36	.....	12,870	.....	150	130	79,602	22	15,819	.....	.....	6
11,104	155	2,107	1,717	1,000	.....	4,465	1,660	202	101,489	17	17,354	.....	.....	7
5,029	3,380	268	231	60	.....	.....	1,090	69	40,485	6	3,185	.....	.....	8
2,545	1,800	216	129	50	.....	250	100	23	8,200	4	2,150	.....	.....	9
2,812	.....	175	125	.....	.....	200	2,312	39	17,020	3	2,280	.....	.....	10
19,459	50	844	1,285	100	.....	50	17,130	241	148,100	15	20,200	.....	.....	11
454	300	45	67	.....	.....	.....	42	7	3,530	3	1,530	.....	.....	12
20,528	3,700	1,106	2,492	900	.....	1,530	10,800	279	117,845	23	24,190	.....	.....	13
31,241	840	2,610	3,566	5,625	.....	10,600	8,000	345	112,775	17	14,350	1	160	14
1,315	170	117	28	.....	.....	.....	1,000	15	8,540	3	2,740	.....	.....	15
82	82	.....	.....	.....	.....	.....	.....	71	32,205	13	10,375	.....	.....	16
4,951	4,260	189	187	.....	.....	50	265	28	10,344	1	900	9	5,374	17
902	696	50	56	.....	.....	.....	100	15	8,380	4	3,280	.....	.....	18
2,149	1,920	.....	51	.....	.....	.....	178	17	8,922	6	4,822	.....	.....	19
72	72	.....	.....	.....	.....	.....	.....	19	9,774	5	3,304	.....	.....	20
2,695	1,525	195	115	50	.....	50	760	26	17,350	3	3,400	.....	.....	21
4,850	2,780	293	386	25	.....	1,089	268	40	22,869	9	10,657	1	260	22
21,355	3,180	290	320	455	.....	670	16,440	158	65,295	15	10,520	3	1,100	23
6,392	2,365	444	395	100	.....	28	3,060	98	43,226	12	9,377	2	808	24
3,245	2,510	270	130	25	.....	.....	310	32	17,815	7	5,565	.....	.....	25
16,275	5,255	9,315	429	220	.....	101	955	98	44,277	17	10,692	.....	.....	26
82,195	8,608	11,645	7,257	4,739	.....	26,505	23,441	1,105	427,798	73	63,048	6	1,862	27

CAMBRIDGE, MASS.

2,370,252	310,598	404,041	121,383	117,968	62,295	200,996	1,152,971	14,258	7,759,813	1,267	1,113,157	410	148,693	1
9,091	6,371	802	541	312	.....	12	1,053	153	107,382	50	42,432	.....	.....	2
1,218	908	30	80	50	.....	.....	150	34	18,625	4	3,500	.....	.....	3
10,672	9,333	21	31	233	.....	.....	1,054	128	62,220	81	39,146	.....	.....	4
14,455	4,262	1,807	1,353	2,506	.....	2,264	2,263	175	95,152	4	4,600	1	600	5
72,971	13,940	3,093	2,434	4,105	.....	7,744	41,655	506	240,141	41	33,180	25	8,681	6

starch, 2; steam fittings and heating apparatus, 1; stencils and brands, 1; toys and games, 1; type founding, 1; upholstery materials, 1; varnish, 1; vinegar and cider, 1; washing machines and clothes wringers, 1.

b Embraces agricultural implements, 1; awnings, tents, and sails, 1; bookbinding and blank-book making, 1; boxes, cigar, 1; boxes, wooden packing, 2; brooms and brushes, 1; carpets, rag, 2; cars and general shop construction and repairs by steam railroad companies, 1; cheese and butter, urban dairy product, 1; clothing, men's, factory product, 1; coffins and burial cases, trimming and finishing, 1; coffins, burial cases, and undertakers' goods, 1; dyeing and cleaning, 1; flouring and grist mill products, 2; fruits and vegetables, canning and preserving, 1; fur goods, 1; gas, illuminating and heating, 1; grease and tallow, 1; hairwork, 2; iron and steel, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; lumber, planing mill products, including sash, doors, and blinds, 1; mattresses and spring beds, 2; mineral and soda waters, 2; monuments and tombstones, 2; oil, linseed, 1; patent medicines and compounds, 1; paving and paving materials, 2; pickles, preserves, and sauces, 1; roofing and roofing materials, 1; slaughtering and meat packing, wholesale, 1; trunks and valises, 2.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

BUFFALO, N. Y.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
116	Trunks and valises. (See also Leather goods.)	22	$10,250	1	$300	1	$125	5	$1,500	3	$900
117	Umbrellas and canes	4	1,760	3	812						
118	Watch, clock, and jewelry repairing. (See also Jewelry.)	78	38,248	1	200	4	378				
119	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	25	11,300	3	2,000			11	3,436	10	1,560
120	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	48	25,970					1	800		
121	All other industries	2,451	1,321,878	226	49,373	77	11,022	219	150,341	42	7,505

BURLINGTON, IOWA—Continued.

1	All industries	2,229	930,746	210	33,274	104	17,102	327	160,277	54	14,390
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	15	7,025			1	150				
3	Boots and shoes, custom work and repairing	7	2,250								
4	Bread and other bakery products	39	21,792	29	3,528						
5	Brick and tile	48	18,630					30	7,500		
6	Carpentering	115	63,458			2	325				
7	Carriages and wagons, including custom work and repairing (See also Blacksmithing and wheelwriting.)	155	75,460			28	7,825	2	850		
8	Clothing, men's, custom work and repairing	6	4,100	1	250	1	75	55	32,875		
9	Confectionery	7	4,100	11	1,800	1	150				
10	Cooperage							36	14,740		
11	Foundry and machine shop products	209	112,000					17	15,900		
12	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	4	2,000								
13	Furniture, factory product	221	74,300	3	1,050	6	1,500	26	16,805		
14	Lumber and other mill products from logs or bolts.	304	94,665	1	125			6	1,550	14	1,800
15	Marble and stone work. (See also Monuments and tombstones.)	12	5,800								
16	Masonry, brick and stone. (See also Plastering and stuccowork.)	58	21,830								
17	Millinery, custom work			17	3,920	1	150				
18	Painting and paper hanging	11	5,100								
19	Photography	6	2,850	5	1,250						
20	Plastering and stuccowork. (See also Masonry, brick and stone.)	14	6,470								
21	Plumbing and gas fitting	20	12,750			3	1,200				
22	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	25	11,421	5	531						
23	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	76	29,630	7	1,820	32	3,125	25	19,100		
24	Saddlery and harness	44	20,284					40	12,757		
25	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	25	12,250								
26	Tobacco, cigars and cigarettes	15	4,410			5	575	56	28,000	2	150
27	All other industries	793	318,171	131	19,030	24	2,027	34	10,200	38	12,440

CAMBRIDGE, MASS.—Continued.

1	All industries	8,690	5,034,305	1,299	375,004	32	3,665	1,116	690,614	1,442	393,805
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	102	64,750			1	200				
3	Bookbinding and blank-book making. (See also Printing and publishing.)	17	9,525	10	3,100			3	2,500		
4	Boots and shoes, custom work and repairing	35	15,274					12	7,800		
5	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	152	78,511					18	11,441		
6	Bread and other bakery products	306	160,850	34	8,830					100	28,600

BY SPECIFIED INDUSTRIES: 1890—Continued.

BUFFALO, N. Y.—Continued.

Average number of employés and total wages—continued.		Cost of materials used.						Value of products.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
.....	.....	$25,455	$25,240	$150	.....	.....	$65	$71,500	$65,400	$6,100	116
.....	.....	6,166	5,990	102	.....	.....	74	21,290	17,040	4,250	117
.....	.....	34,583	33,388	915	.....	.....	280	166,686	89,383	77,303	118
.....	.....	37,045	36,180	665	$200	.....	.....	83,250	75,750	7,500	119
.....	.....	11,633	11,057	26	550	.....	.....	57,912	52,912	5,000	120
4	$768	6,169,347	5,362,078	143,464	854	$47,238	615,713	9,434,530	9,130,634	303,896	121

BURLINGTON, IOWA—Continued.

11	1,625	3,099,200	2,912,250	46,968	895	8,605	130,482	5,413,138	5,059,232	353,906	1
.....	.....	9,485	8,815	620	.....	.....	50	32,800	23,800	9,000	2
.....	.....	3,767	3,655	112	.....	.....	.....	13,448	7,048	6,400	3
.....	.....	148,433	145,733	2,515	.....	.....	185	228,135	228,135	.....	4
.....	.....	13,221	.....	12,940	.....	.....	281	52,792	52,792	.....	5
.....	.....	115,095	114,075	20	.....	.....	1,000	230,793	212,493	18,300	6
.....	.....	192,690	188,615	2,325	.....	.....	1,750	340,920	269,920	71,000	7
.....	.....	39,106	38,425	681	.....	.....	.....	101,041	100,441	600	8
.....	.....	45,160	43,135	425	.....	.....	1,600	70,850	68,850	2,000	9
.....	.....	33,174	32,974	.....	.....	.....	200	56,847	56,247	600	10
.....	.....	153,690	147,000	6,540	.....	.....	150	337,175	322,175	15,000	11
.....	.....	2,802	2,650	22	30	.....	100	8,171	6,996	1,175	12
.....	.....	142,688	121,313	3,655	.....	380	17,340	323,975	321,875	2,100	13
2	125	418,086	385,180	.....	.....	5,430	27,476	669,159	528,900	140,259	14
.....	.....	14,950	14,750	.....	.....	.....	200	27,950	27,750	200	15
.....	.....	17,205	17,205	.....	.....	.....	.....	54,175	51,900	2,275	16
.....	.....	26,547	26,247	250	.....	.....	50	48,841	47,541	1,300	17
.....	.....	5,140	4,840	.....	.....	.....	300	16,200	16,200	.....	18
.....	.....	8,480	8,300	180	.....	.....	.....	25,000	25,000	.....	19
.....	.....	7,315	7,315	.....	.....	.....	.....	20,395	20,185	210	20
.....	.....	27,130	27,000	80	.....	.....	50	54,250	44,250	10,000	21
.....	.....	15,902	15,352	525	.....	.....	25	52,377	51,877	500	22
.....	.....	27,409	25,864	745	.....	.....	800	139,760	139,760	.....	23
.....	.....	104,807	104,320	230	.....	100	157	179,288	177,028	2,260	24
.....	.....	11,536	10,986	550	.....	.....	.....	35,482	29,832	5,650	25
3	450	44,074	37,962	225	745	.....	5,742	115,105	115,105	.....	26
6	1,050	1,470,708	1,380,530	14,328	120	2,695	73,026	2,178,209	2,113,132	65,077	27

CAMBRIDGE, MASS.—Continued.

2	540	20,268,534	19,117,961	367,104	22,855	14,702	745,912	35,975,089	34,299,521	1,675,568	1
.....	.....	53,572	47,892	2,533	.....	.....	3,147	195,805	51,100	144,705	2
.....	.....	4,514	4,126	88	.....	.....	300	27,000	27,000	.....	3
.....	.....	26,338	23,758	1,530	.....	.....	1,050	104,169	71,519	32,650	4
.....	.....	119,042	114,555	1,256	100	2,400	731	290,897	285,847	5,050	5
.....	.....	741,326	651,377	15,668	120	.....	74,161	1,417,140	1,417,140	.....	6

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CAMBRIDGE, MASS.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
7	Brick and tile. (See also Clay and pottery products.)	7	$2,500	$691,839	$277,500	$41,000	$76,300	$57,400	$148,024	$91,615
8	Brooms and brushes	4	1,200	85,725	6,100	6,600	2,225	28,150	20,700	21,950
9	Carpentering	102	28,265	564,090	22,174	20,125	29,700	27,735	347,835	116,521
10	Carriage and wagon materials	4	5,538	400	.....	.....	205	55	105	35
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	13	65,750	171,675	34,400	41,700	13,975	15,000	34,150	32,450
12	Clay and pottery products. (See also Brick and tile.)	3	.....	134,300	10,800	37,500	21,500	3,250	25,900	35,350
13	Clothing, men's, custom work and repairing	41	137,450	59,615	.....	.....	6,290	37,475	3,870	11,980
14	Clothing, men's, factory product	3	4,875	97,555	5,800	7,200	5,550	14,000	27,000	38,005
15	Clothing, women's, dressmaking	281	371,735	40,160	50	100	17,810	7,492	11,223	3,485
16	Coffins and burial cases, trimming and finishing	5	20,000	5,650	.....	.....	2,000	800	2,100	750
17	Confectionery	25	104,061	191,895	15,650	29,850	47,775	27,375	23,795	47,450
18	Cooperage	14	43,900	53,281	1,300	700	10,300	20,415	9,956	10,530
19	Dentistry, mechanical	13	26,625	3,265	.....	.....	1,230	810	875	350
20	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	40	30,810	11,305	.....	.....	730	2,675	7,850	50
21	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	15	292,891	2,092,076	56,750	33,800	249,427	294,470	473,340	984,289
22	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	37	83,200	31,545	200	300	6,650	7,995	12,455	3,945
23	Furniture, factory product. (See also Furniture, chairs.)	11	257,100	364,398	16,500	60,000	67,122	81,962	112,745	26,069
24	Glass, cutting, staining, and ornamenting	3	4,000	6,400	1,500	1,000	800	500	1,450	1,150
25	Leather, tanned and curried	3	.....	42,700	11,000	7,500	7,700	4,500	9,500	2,500
26	Lock and gun smithing	6	9,600	1,295	.....	.....	625	260	320	90
27	Looking-glass and picture frames	3	12,750	6,100	.....	.....	850	1,850	2,300	1,100
28	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	5	6,665	223,008	40,000	25,000	34,530	39,014	22,552	61,912
29	Marble and stone work. (See also Monuments and tombstones.)	8	28,125	115,500	27,000	9,000	12,100	17,750	11,200	38,450
30	Masonry, brick and stone. (See also Plastering and stuccowork.)	45	72,625	131,205	1,225	575	14,215	16,575	65,455	33,160
31	Mattresses and spring beds. (See also Furniture.)	4	5,275	23,475	8,000	7,500	1,985	1,215	3,125	1,650
32	Millinery, custom work	24	61,100	11,797	500	500	2,662	3,128	4,130	877
33	Monuments and tombstones. (See also Marble and stone work.)	8	12,565	96,375	13,300	6,300	6,350	6,400	51,900	12,125
34	Musical instruments, organs and materials. (See also Musical instruments and materials, not specified.)	3	750	903,238	105,000	56,000	24,095	102,350	174,950	440,843
35	Musical instruments, pianos and materials	9	256,460	543,471	20,000	15,000	48,500	76,344	115,555	268,072
36	Painting and paper hanging	77	127,375	75,520	2,950	3,875	14,954	13,471	20,845	19,435
37	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	3,250	680	.....	50	205	110	255	60
38	Photography	6	13,175	3,385	.....	300	1,850	495	630	110
39	Plastering and stuccowork. (See also Masonry, brick and stone.)	17	32,100	25,560	.....	.....	4,600	1,755	14,545	4,660
40	Plumbing and gas fitting	32	100,885	112,426	.....	.....	13,268	16,200	28,830	54,128
41	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	132,166	89,173	.....	.....	53,578	3,170	22,675	9,750
42	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	9	333,160	1,597,082	.....	.....	968,824	35,293	257,857	335,108
43	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	10	16,400	12,990	75	100	3,740	1,875	3,025	4,175
44	Saddlery and harness	14	34,135	9,085	.....	.....	1,875	1,615	2,585	3,010
45	Sausage. (See also Slaughtering.)	3	4,300	9,575	1,500	2,500	2,200	400	725	2,250
46	Soap and candles	8	80,112	561,760	60,000	100,600	68,275	102,813	144,740	85,341
47	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	18	78,400	145,127	.....	.....	30,890	28,418	32,492	53,327
48	Tobacco, cigars and cigarettes	13	30,550	16,350	.....	.....	935	6,065	5,400	3,950
49	Watch, clock, and jewelry repairing	17	39,250	4,635	.....	.....	2,785	1,100	395	355
50	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	4	11,200	19,300	.....	.....	3,050	4,400	6,850	5,000
51	All other industries (a)	79	552,680	10,282,793	775,370	1,725,215	1,302,208	955,403	2,494,576	3,030,021

a Embraces baking and yeast powders, 1; bicycles and tricycles, 1; boots and shoes, rubber, 1; boxes, fancy and paper, 1; brass, 1; cheese and butter, urban dairy product, 1; chemicals, 1; coffins, burial cases, and undertakers' goods, 1; collars and cuffs, paper, 1; cordage and twine, 2; cotton goods, 1; cutlery and edge tools, 2; dyeing and cleaning, 2; electrical apparatus and supplies, 1; engraving and diesinking, 1; fancy articles, not elsewhere specified, 2; fertilizers, 1; flavoring extracts, 2; food preparations, 2; fur goods, 1; furniture, chairs, 1; galvanizing, 1; gas, illuminating and heating, 1; gloves and mittens, 1; hairwork, 2; hardware, 1; hats and caps, not including wool hats, 1; hosiery and knit goods, 1; instruments, professional and scientific, 1; iron and steel, 1; ironwork, architectural and ornamental, 1; kindling wood, 2; labels and tags, 1; lime and cement, 1; liquors, distilled, 1; models and patterns, 1; musical instruments and

BY SPECIFIED INDUSTRIES: 1890—Continued.

CAMBRIDGE, MASS.—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$23,306	$250	$5,017	$1,439	$10,600	.....	$3,000	$3,000	576	$217,092	12	$14,384	1	$400	7
6,243	120	677	568	353	.....	900	3,625	51	19,724	12	8,264	1	312	8
93,264	12,261	1,393	1,910	2,362	$62,295	.....	13,043	707	519,549	121	110,884	.....	.....	9
405	344	5	5	6	.....	.....	45	5	2,295	4	1,995	.....	.....	10
12,988	3,935	1,924	2,249	360	.....	1,400	3,120	172	117,458	13	11,024	.....	.....	11
2,402	.....	637	1,000	150	.....	15	600	96	43,670	5	5,430	1	520	12
13,491	10,997	395	374	243	.....	.....	1,482	188	92,596	40	28,184	2	650	13
2,175	390	355	990	25	.....	.....	415	178	65,320	.....	.....	2	1,250	14
34,138	27,936	.....	15	1,359	.....	.....	4,828	605	165,333	.....	.....	282	95,112	15
3,265	1,500	52	40	145	.....	.....	1,528	11	7,250	5	3,850	.....	.....	16
19,479	7,277	1,005	1,322	1,043	.....	2,375	5,857	347	142,062	32	25,907	6	2,700	17
9,821	3,514	668	974	570	.....	.....	4,095	105	56,349	17	12,068	1	250	18
2,544	2,130	9	103	62	.....	.....	240	15	8,181	13	7,231	.....	.....	19
3,027	2,465	47	27	80	.....	.....	408	50	12,259	41	10,449	1	250	20
423,106	17,570	23,962	12,115	4,319	.....	5,935	359,205	1,075	704,081	65	84,190	1	250	21
9,646	6,657	210	149	467	.....	100	2,063	111	63,376	41	23,972	3	850	22
58,652	25,710	4,548	7,797	1,215	.....	600	18,782	636	425,349	24	23,652	2	936	23
590	320	74	36	110	.....	.....	50	12	8,413	3	2,613	.....	.....	24
3,143	.....	385	208	550	.....	.....	2,000	73	45,960	5	5,460	.....	.....	25
920	768	.....	.....	32	.....	.....	120	7	3,143	6	2,743	.....	.....	26
1,574	1,030	36	47	25	.....	.....	436	12	6,980	3	2,530	.....	.....	27
10,804	600	1,533	2,365	1,850	.....	2,006	2,450	225	145,050	11	7,750	2	550	28
4,242	2,250	791	251	200	.....	.....	750	127	96,370	8	8,030	.....	.....	29
16,301	5,810	233	364	1,382	.....	.....	8,512	362	243,190	50	47,040	.....	.....	30
984	475	391	63	35	.....	.....	20	21	9,409	3	1,750	.....	.....	31
5,787	4,888	53	57	110	.....	.....	679	58	21,404	3	2,250	21	9,424	32
3,529	1,005	724	355	105	.....	.....	1,340	69	45,349	7	6,749	1	500	33
69,588	75	8,718	1,599	55	.....	55	59,086	380	277,223	20	25,000	.....	.....	34
65,984	18,185	2,595	2,650	1,200	.....	25,500	15,854	514	329,514	26	40,668	5	2,672	35
16,904	10,195	398	376	1,328	.....	.....	4,607	307	213,711	82	63,811	.....	.....	36
500	325	.....	.....	25	.....	.....	150	4	950	3	875	.....	.....	37
1,471	1,054	24	25	205	.....	.....	163	8	3,900	6	3,100	.....	.....	38
4,956	2,592	80	50	365	.....	.....	1,869	105	77,610	19	17,810	.....	.....	39
14,427	8,071	424	345	557	.....	100	4,930	201	138,010	41	37,270	2	900	40
16,835	7,930	945	2,708	280	.....	4,382	640	279	175,350	12	11,074	1	425	41
318,558	19,984	4,823	3,368	1,750	.....	24,350	264,283	628	379,438	46	65,961	27	12,424	42
3,929	1,312	77	71	235	.....	.....	2,234	44	29,205	11	8,430	1	400	43
3,239	2,731	68	50	50	.....	.....	340	30	19,704	12	9,080	.....	.....	44
1,140	430	118	92	75	.....	.....	425	17	10,550	3	1,950	.....	.....	45
39,610	6,409	6,566	6,373	6,200	.....	6,252	7,810	292	160,676	33	40,734	1	520	46
31,378	7,057	527	925	3,240	.....	3,583	16,046	131	73,403	25	20,048	.....	.....	47
5,673	2,444	2,586	154	39	.....	.....	450	40	22,749	10	6,674	1	500	48
3,698	3,177	85	82	89	.....	.....	265	32	17,550	17	9,900	.....	.....	49
3,007	1,008	550	258	185	.....	530	476	36	22,690	4	3,790	.....	.....	50
895,122	42,603	323,980	62,995	67,176	.....	109,893	288,475	4,320	1,996,839	173	165,125	19	7,617	51

materials, not specified, 2; nets and seines, 1; optical goods, 1; paving and paving materials, 1; photographic materials, 1; pickles, preserves, and sauces, 1; plated and britannia ware, 1; plumbers' supplies, 2; pulp goods, 1; rubber and elastic goods, 1; safes and vaults, 1; sewing machine repairing, 2; shipbuilding, 2; slaughtering and meat packing, wholesale, 2; slaughtering, wholesale, not including meat packing, 1; sporting goods, 1; springs, steel, car and carriage, 1; stamped ware, 2; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 1; steam packing, 2; tools, not elsewhere specified, 1; trunks and valises, 2; umbrellas and canes, 1; vinegar and cider, 1; whips, 1; window shades, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CAMBRIDGE, MASS.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecoworkers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
7	Brick and tile. (See also Clay and pottery products.)	559	$200,308					4	$2,000		
8	Brooms and brushes	17	6,372	15	$2,288	2	$200	4	2,288		
9	Carpentering	586	408,665								
10	Carriage and wagon materials	1	300								
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	143	96,434					16	10,000		
12	Clay and pottery products. (See also Brick and tile.)	63	30,890	20	4,680	5	650	2	1,500		
13	Clothing, men's, custom work and repairing	48	26,600	49	15,012			25	15,150	24	$7,000
14	Clothing, men's, factory product	25	13,500	1	250					150	50,320
15	Clothing, women's, dressmaking			323	70,221						
16	Coffins and burial cases, trimming and finishing	6	3,400								
17	Confectionery	120	69,487	160	39,808					20	4,160
18	Cooperage	65	31,689					22	11,742		
19	Dentistry, mechanical			2	950						
20	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	8	1,560								
21	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	1,000	619,641								
22	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	61	36,406	6	2,148						
23	Furniture, factory product. (See also Furniture, chairs.)	543	368,374					67	32,387		
24	Glass, cutting, staining, and ornamenting	8	5,500	1	300						
25	Leather, tanned and curried	62	35,500					6	5,000		
26	Lock and gun smithing	1	400								
27	Looking-glass and picture frames	6	3,834	2	416	1	200				
28	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	211	135,950	1	800						
29	Marble and stone work. (See also Monuments and tombstones.)	107	81,140					12	7,200		
30	Masonry, brick and stone. (See also Plastering and stuccowork.)	310	195,630	2	520						
31	Mattresses and spring beds. (See also Furniture.)	17	7,450	1	200						
32	Millinery, custom work	3	1,298	30	8,382	1	50				
33	Monuments and tombstones. (See also Marble and stone work.)	61	38,100								
34	Musical instruments, organs and materials. (See also Musical instruments and materials, not specified.)	6	3,902					340	246,821	5	1,500
35	Musical instruments, pianos and materials	370	235,301	30	8,025			83	42,848		
36	Painting and paper hanging	212	142,250	1	300			12	7,350		
37	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	1	75								
38	Photography	2	800								
39	Plastering and stuccowork. (See also Masonry, brick and stone.)	83	58,300	1	300			2	1,200		
40	Plumbing and gas fitting	158	99,840								
41	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	155	115,467	109	48,093	2	300				
42	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	265	167,691	89	31,160	1	200	90	64,888	110	37,114
43	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	32	20,375								
44	Saddlery and harness	17	10,024					1	600		
45	Sausage. (See also Slaughtering.)	14	8,600								
46	Soap and candles	222	109,962	17	3,070			17	5,850		
47	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	97	48,155					9	5,200		
48	Tobacco, cigars and cigarettes	14	8,500	3	925	1	200	9	5,200	2	750
49	Watch, clock, and jewelry repairing	15	7,650								
50	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	25	17,100	7	1,800						
51	All other industries	2,341	1,232,966	385	123,426	18	1,605	353	201,679	1,031	264,361

BY SPECIFIED INDUSTRIES: 1890—Continued.

CAMBRIDGE, MASS.—Continued.

Average number of employés and total wages—continued.		Cost of materials used.						Value of products.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
		$159,180		$154,225			$4,955	$489,800	$489,800		7
		43,963	$43,241	422			300	103,835	103,335	$500	8
		739,228	653,087	2,291	$200	$75	77,575	1,580,500	1,415,100	165,400	9
		1,524	1,442	42			40	4,700	2,700	2,000	10
		104,303	88,478	2,175			13,650	280,225	112,425	167,800	11
		17,630	11,130	6,375			125	82,700	82,300	400	12
		79,309	71,102	1,240			6,967	202,888	125,788	77,100	13
		156,512	140,350	1,292	120		14,750	266,000	266,000		14
		263,698	252,794	5,644			5,260	475,803	450,353	25,450	15
		16,644	15,452	192			1,000	27,800	27,800		16
		362,819	295,594	5,571	288		61,366	684,875	678,575	6,300	17
		83,769	81,648	1,346			775	160,467	160,467		18
		6,080	5,425	251	15		398	17,450	17,450		19
		21,391	18,766	470			2,155	43,514	43,514		20
		827,489	732,307	34,418	5,660	918	54,186	2,478,730	2,273,382	205,348	21
		53,905	50,645	720	100		2,440	138,000	133,000	5,000	22
		227,599	192,692	5,155	7,765	950	21,097	756,740	756,740		23
		5,676	4,435	91			1,150	19,200	19,200		24
		300,450	298,250	950			1,250	369,000	368,500	500	25
		1,922	1,670	112			140	5,700	5,700		26
		10,955	9,383	65			1,507	25,250	10,250	15,000	27
		193,156	174,997	2,400	1,300	2,700	11,750	384,470	353,470	31,000	28
		123,683	120,750	1,533			1,400	264,000	264,000		29
		143,156	125,093	973		25	17,065	427,647	372,050	55,597	30
		9,100	8,336	89	575		100	24,565	22,565	2,000	31
		22,097	20,462	560	120		955	51,800	49,300	2,500	32
		21,407	20,343	314			750	95,200	95,200		33
		197,677	192,776	3,801			500	642,870	642,500	370	34
		328,767	323,390	1,027	2,375	25	1,950	907,813	837,813	70,000	35
		98,193	87,907	1,347			8,939	356,800	267,700	89,100	36
		1,687	1,240	79			368	3,450	3,450		37
		2,666	2,364	142			160	9,200	9,000	200	38
		30,610	27,920	593			2,097	123,600	102,500	21,100	39
		142,921	131,241	1,780			9,900	356,790	223,900	132,890	40
		42,033	31,840	2,116	590		7,487	251,369	251,369		41
		567,671	428,496	3,322			135,853	1,556,056	1,556,056		42
		19,497	15,488	246			3,763	57,250	49,750	7,500	43
		13,901	12,839	262			800	46,599	15,299	31,300	44
		38,888	35,280	408	350	50	2,800	55,750	55,650	100	45
2	$540	978,362	859,021	14,067		2,000	103,274	1,303,870	1,286,770	17,100	46
		137,608	124,809	2,035		100	10,664	319,603	283,683	35,920	47
		16,272	13,915	298			2,059	54,431	54,431		48
		2,977	2,343	309			325	29,400	14,900	14,500	49
		12,195	10,068	35	1,492	100	500	36,846	27,500	9,346	50
		12,701,763	12,537,444	85,246	1,745	5,350	71,978	18,367,522	18,065,680	301,842	51

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CAMDEN, N. J.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
				Direct investment.						
					Value of plant.			Live assets.		
			Value of hired property.	Aggregate.	Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
1	All industries	658	$2,073,188	$15,244,506	$1,932,280	$2,177,320	$3,490,831	$1,689,214	$2,440,345	$3,514,516
2	Baskets and rattan and willow ware	3	1,525	2,175	300	700	255	140	130	650
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	24	38,100	26,320	200	800	7,080	4,740	3,845	9,655
4	Boots and shoes, custom work and repairing	51	71,825	21,328	1,530	2,220	5,980	2,712	3,961	4,925
5	Boots and shoes, factory product	25	37,630	215,836	12,950	26,717	50,155	30,401	27,014	68,569
6	Bottling. (See also Mineral and soda waters.)	4	10,700	32,382	5,000	5,000	13,600	1,130	2,052	5,600
7	Bread and other bakery products	36	78,375	66,661	7,700	23,500	16,130	6,898	2,035	10,398
8	Brooms and brushes	5	3,150	3,420	200	600	1,335	710	475	100
9	Carpentering	47	35,000	476,068	6,950	13,200	28,920	26,680	326,245	74,073
10	Carpets, rag	8	7,950	8,864	1,300	1,900	1,409	970	1,110	2,175
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	8	146,775	197,423	17,800	8,000	20,625	26,783	59,073	65,142
12	Clothing, men's, custom work and repairing	12	24,450	41,800	8,500	9,000	1,695	11,210	3,005	8,390
13	Clothing, women's, dressmaking	34	42,065	26,670	4,700	3,400	2,490	5,040	5,190	5,850
14	Coffins and burial cases, trimming and finishing	6	9,750	23,275	6,050	8,850	1,475	1,875	1,925	3,100
15	Confectionery	12	65,450	19,845	.....	.....	8,205	3,615	3,275	4,750
16	Cooperage	3	1,050	8,959	1,000	3,600	750	300	1,150	2,150
17	Dyeing and cleaning	4	4,500	63,175	8,000	9,000	24,900	15,025	2,050	4,200
18	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	13	26,400	2,543,748	305,000	362,685	699,837	168,945	285,396	721,885
19	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	14	16,485	77,865	12,000	27,000	5,965	6,425	17,875	8,600
20	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	5,050	35,562	1,000	1,500	12,700	1,800	10,175	8,387
21	Lock and gun smithing	6	9,825	16,320	1,200	3,000	1,900	1,370	5,500	3,350
22	Lumber and other mill products from logs or bolts.	4	16,500	584,764	245,000	17,600	26,400	106,006	81,179	108,579
23	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	5	97,465	243,800	15,500	23,500	37,500	67,600	33,500	66,200
24	Marble and stone work. (See also Monuments and tombstones.)	6	7,415	60,433	16,400	3,050	3,600	8,250	18,139	10,994
25	Masonry, brick and stone. (See also Plastering and stuccowork.)	27	6,450	23,365	1,200	1,600	4,220	1,250	8,340	6,755
26	Millinery, custom work	15	55,600	29,210	1,800	3,200	4,450	8,675	4,235	6,850
27	Oilcloth, floor	4	.....	586,000	83,000	145,000	81,745	48,192	110,141	118,822
28	Painting and paper hanging	53	98,535	84,950	300	400	8,220	27,655	18,815	29,560
29	Patent medicines and compounds	5	7,850	72,335	6,800	12,200	5,125	2,325	2,585	43,300
30	Paving and paving materials	3	4,050	16,375	500	800	11,300	1,050	975	1,750
31	Photography	6	22,200	15,560	4,000	3,250	6,250	475	185	1,400
32	Plastering and stuccowork. (See also Masonry, brick and stone.)	10	3,600	25,355	4,750	2,550	6,950	950	4,055	6,100
33	Plumbing and gas fitting	12	17,225	77,695	9,500	10,500	5,475	11,520	6,275	34,425
34	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	5	10,635	20,450	1,000	3,000	12,000	910	790	2,750
35	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	10	102,000	241,863	18,000	36,000	140,500	4,422	5,925	37,016
36	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	8	24,885	173,230	70,000	20,000	50,580	6,350	5,000	21,300
37	Saddlery and harness	6	10,350	37,331	3,500	6,500	705	5,730	11,385	9,511
38	Shipbuilding	11	208,000	1,209,445	325,300	87,700	260,750	57,943	442,630	35,122
39	Slaughtering and meat packing, wholesale. (See also Sausage; Slaughtering, wholesale, not including meat packing.)	4	5,820	111,800	10,000	20,000	25,000	21,200	3,850	22,750
40	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	12	15,050	94,140	21,500	28,050	17,050	4,655	10,510	12,375
41	Tobacco, cigars and cigarettes	24	63,815	33,380	.....	.....	2,690	12,748	11,292	6,650
42	Watch, clock, and jewelry repairing	11	22,650	43,425	6,500	6,000	8,260	1,830	17,325	3,510
43	Woolen goods	4	18,333	634,002	22,000	102,000	160,500	86,673	205,629	57,200
44	Worsted goods	4	46,000	1,030,271	32,000	158,000	358,472	155,661	94,375	231,763
45	All other industries (a)	85	573,685	5,886,770	632,350	966,148	1,347,683	730,375	581,729	1,628,485

a Embraces agricultural implements, 1; awnings, tents, and sails, 1; bags, paper, 2; bookbinding and blank-book making, 1; boxes, cigar, 1; brass, 1; brass castings and brass finishing, 2; brick and tile, 2; carriages and sleds, children's, 2; cars and general shop construction and repairs by steam railroad companies, 2; chemicals, 1; clay and pottery products, 1; clothing, horse, 1; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; cork, cutting, 1; dentistry, mechanical, 2; dyeing and finishing textiles, 2; dyestuffs and extracts, 2; electrical apparatus and supplies, 1; electroplating, 1; fertilizers, 2; files, 1; flouring and grist mill products, 1; fruits and vegetables, canning and preserving, 2; gas, illuminating and heating, 1; glass, 1; gold and silver, leaf and foil, 1; grease and tallow, 1; hairwork, 1; hand knit goods, 1; hardware, 2; hats and caps, not including wool hats,

BY SPECIFIED INDUSTRIES: 1890—Continued.

CAMDEN, N. J.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries *not* elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$709,452	$155,824	$58,528	$67,087	$108,509	$5,200	$96,408	$217,896	10,362	$5,557,580	877	$782,425	41	$15,973	1
189	122	25	7	.....	.....	.....	35	6	2,382	3	1,436	.....	.....	2
4,216	3,429	30	45	687	.....	.....	25	90	58,953	25	19,154	.....	.....	3
6,983	5,746	93	41	860	.....	60	183	100	52,877	47	28,559	.....	.....	4
9,125	2,634	487	1,094	2,351	.....	1,284	1,275	585	284,146	54	44,088	1	715	5
1,065	750	75	90	.....	.....	.....	150	17	11,804	2	1,456	.....	.....	6
9,605	6,269	776	273	1,225	.....	60	1,002	169	81,278	44	29,098	8	2,900	7
402	252	40	15	95	.....	.....	.....	19	7,896	5	3,350	.....	.....	8
15,644	2,798	6,529	1,813	3,194	.....	1,000	310	628	477,965	56	48,059	.....	.....	9
1,143	954	23	11	45	.....	.....	110	15	6,626	5	2,548	.....	.....	10
19,943	11,722	157	2,224	415	.....	2,275	3,150	150	103,576	13	16,984	.....	.....	11
2,985	1,956	160	90	640	.....	.....	139	74	35,781	11	7,720	.....	.....	12
3,695	3,365	125	40	45	.....	.....	120	69	20,986	.....	.....	10	4,364	13
1,194	780	226	61	127	.....	.....	.....	20	14,522	6	5,290	.....	.....	14
4,569	3,927	.....	92	445	.....	.....	105	64	31,864	15	12,124	4	1,212	15
191	84	38	19	50	.....	.....	.....	13	7,032	3	1,840	.....	.....	16
3,599	360	175	1,170	1,369	.....	.....	525	104	36,934	2	1,750	.....	.....	17
18,313	2,112	7,255	2,406	2,011	.....	95	4,434	1,068	613,172	35	42,163	.....	.....	18
4,201	1,319	144	188	2,440	.....	.....	110	64	35,518	12	8,478	.....	.....	19
1,046	404	.....	47	560	.....	.....	35	23	13,870	4	3,288	1	312	20
1,005	786	45	24	80	.....	.....	70	9	5,644	7	4,404	.....	.....	21
16,459	1,900	2,127	827	1,630	.....	6,925	3,050	80	37,406	11	8,038	.....	.....	22
15,739	8,772	1,623	2,514	1,000	.....	1,480	350	157	103,342	12	15,188	2	1,356	23
1,285	593	183	56	353	.....	.....	100	42	28,882	7	5,600	.....	.....	24
10,739	516	2,385	388	1,750	5,200	.....	500	375	291,430	31	26,150	.....	.....	25
3,983	3,336	97	85	70	.....	150	245	43	15,056	5	2,950	3	994	26
37,973	.....	1,481	8,027	6,623	.....	5,623	16,219	318	196,278	16	26,840	1	250	27
9,234	6,899	.....	185	2,100	.....	.....	50	313	237,747	64	49,696	.....	.....	28
6,932	550	182	160	525	.....	300	5,215	17	7,689	6	3,850	1	234	29
774	324	60	15	375	.....	.....	.....	131	84,525	4	3,900	.....	.....	30
1,982	1,554	62	31	200	.....	.....	135	11	6,032	5	2,860	1	364	31
1,634	288	198	623	495	.....	.....	30	20	72,809	10	8,823	.....	.....	32
2,652	1,200	301	110	835	.....	.....	200	104	79,412	14	13,222	.....	.....	33
1,113	650	100	111	102	.....	.....	150	25	11,566	6	4,260	.....	.....	34
26,247	6,121	1,010	1,010	1,400	.....	580	16,126	180	106,687	27	25,424	1	324	35
22,285	1,742	800	1,883	5,650	.....	3,000	9,210	145	102,616	20	20,136	.....	.....	36
1,363	828	225	150	150	.....	.....	10	34	22,308	7	5,528	.....	.....	37
36,510	19,070	2,065	6,920	6,367	.....	300	1,788	380	333,743	15	20,445	.....	.....	38
3,825	465	415	461	1,060	.....	.....	1,424	43	26,310	5	4,240	1	260	39
2,725	1,204	376	215	880	.....	.....	50	72	53,699	12	8,928	.....	.....	40
14,085	4,467	8,890	468	225	.....	30	5	93	49,407	24	17,003	2	716	41
2,373	1,812	85	86	305	.....	.....	85	17	12,140	12	8,820	.....	.....	42
72,481	1,100	1,963	4,318	9,850	.....	20,000	35,250	418	166,433	8	7,000	.....	.....	43
82,956	2,500	1,995	3,419	8,350	.....	34,861	31,831	783	222,302	9	7,260	.....	.....	44
224,990	40,158	15,502	25,275	41,575	.....	18,385	84,095	3,214	1,386,875	198	205,375	5	1,972	45

1; hosiery and knit goods, 1; ink, printing, 1; instruments, professional and scientific, 1; kindling wood, 1; leather, morocco, 1; lime and cement, 2; looking-glass and picture frames, 1; mantels, slate, marble, and marbleized, 1; matches, 1; mattresses and spring beds, 1; millinery and lace goods, 1; mineral and soda waters, 2; models and patterns, 2; monuments and tombstones, 2; paper, 2; paper goods, not elsewhere specified, 2; pens, steel, 1; pickles, preserves, and sauces, 2; pumps, not including steam pumps, 1; sausage, 1; silk and silk goods, 1; slaughtering, wholesale, not including meat packing, 2; smelting and refining, 1; soap and candles, 2; surgical appliances, 1; taxidermy, 1; trunks and valises, 2; upholstery materials, 2; wood, turned and carved, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES.

CAMDEN, N. J.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
1	All industries	6,143	$3,649,790	1,029	$262,214	166	$26,196	1,022	$605,589	1,078	$215,248
2	Baskets and rattan and willow ware	1	346					2	630		
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	65	39,790								
4	Boots and shoes, custom work and repairing	35	17,456	3	1,030			15	5,832		
5	Boots and shoes, factory product	157	82,321	105	33,495	4	832	146	80,462	118	42,233
6	Bottling. (See also Mineral and soda waters.)	15	10,348								
7	Bread and other bakery products	95	42,802	17	4,802	3	676	2	1,000		
8	Brooms and brushes	2	712	1	250	1	100	5	2,214	5	1,270
9	Carpentering	572	429,906								
10	Carpets, rag	6	3,016	4	1,062						
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	137	87,492								
12	Clothing, men's, custom work and repairing	14	7,564	9	2,790			26	13,924	14	3,783
13	Clothing, women's, dressmaking			59	16,622						
14	Coffins and burial cases, trimming and finishing	14	9,232								
15	Confectionery	19	11,618	19	5,428	7	1,482				
16	Cooperage	10	5,192								
17	Dyeing and cleaning	48	23,744	2	624					52	10,816
18	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	997	545,563			1	208	35	25,298		
19	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	30	15,676	2	624			19	10,520	1	250
20	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	18	10,270								
21	Lock and gun smithing	2	1,240								
22	Lumber and other mill products from logs or bolts.	69	29,368								
23	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	143	86,798								
24	Marble and stone work. (See also Monuments and tombstones.)	35	23,282								
25	Masonry, brick and stone. (See also Plastering and stucco work.)	344	265,280								
26	Millinery, custom work			35	11,112						
27	Oilcloth, floor	143	71,588					158	97,660		
28	Painting and paper hanging	244	184,179					5	3,872		
29	Patent medicines and compounds	3	2,124	5	1,124	2	357				
30	Paving and paving materials	127	80,625								
31	Photography	4	2,444	1	364						
32	Plastering and stucco work. (See also Masonry, brick and stone.)	67	61,118					3	2,868		
33	Plumbing and gas fitting	90	66,190								
34	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	14	5,434			3	624	2	1,248		
35	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	122	67,338	2	728	7	1,148	21	11,725		
36	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	124	82,272			1	208				
37	Saddlery and harness	27	16,780								
38	Shipbuilding	349	297,074								
39	Slaughtering and meat packing, wholesale. (See also Sausage; Slaughtering, wholesale, not including meat packing.)	37	21,840					16	16,224		
40	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	60	44,771								
41	Tobacco, cigars and cigarettes	21	8,232	1	250	2	306	43	22,900		
42	Watch, clock, and jewelry repairing	5	3,320								
43	Woolen goods	245	118,968	87	25,792	15	2,121			57	12,407
44	Worsted goods	244	95,311	454	93,301	38	5,650	10	8,200	28	12,490
45	All other industries	1,389	671,217	223	62,816	82	12,484	514	301,012	803	131,999

BY SPECIFIED INDUSTRIES: 1890—Continued.

CAMDEN, N. J.—Continued.

AVERAGE NUMBER OF EMPLOYES AND TOTAL WAGES—continued.		COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
6	$145	$11,816,151	$10,987,419	$245,640	$5,051	$26,350	$551,691	$21,145,637	$18,526,149	$2,610,488	1
		2,521	2,456	15			50	6,854	6,854		2
		30,556	25,885	1,281			3,390	111,033	107,333	3,700	3
		30,467	28,822	812			833	107,147	97,194	9,953	4
		503,927	486,089	1,596	120		16,122	981,652	981,652		5
		26,374	22,064	285			4,025	50,705	50,705		6
		199,608	185,703	2,760			11,145	348,877	342,815	6,062	7
		6,383	6,055	148			180	16,596	16,596		8
		840,723	785,635	1,506			53,582	1,493,441	1,370,626	122,815	9
		5,162	5,030	57			75	16,045	16,045		10
		76,756	60,266	1,640			14,850	223,213	178,213	45,000	11
		41,226	40,860	150			216	91,966	87,052	4,914	12
		10,588	2,300	299			7,989	49,650	46,700	2,950	13
		21,975	20,141	134			1,700	46,710	46,710		14
		56,609	52,001	908			3,700	122,943	122,943		15
		4,800	4,800					14,610	14,610		16
		55,730	47,650	6,530		500	1,050	110,200	109,400	800	17
		875,420	750,921	64,820	555	4,074	55,050	1,948,250	1,902,539	45,711	18
		47,148	45,710	378			1,060	101,643	85,543	16,100	19
		23,002	22,925	277			700	47,001	47,001		20
		3,450	3,145	75			230	12,600	8,500	4,100	21
		247,141	243,787			2,924	430	343,032	334,010	9,022	22
		332,245	328,370	1,025		350	2,500	509,000	508,000	1,000	23
		25,531	25,521	10				63,975	63,975		24
		470,324	458,405	100			11,819	852,711	806,581	46,130	25
		27,696	25,870	226			1,600	59,746	58,696	1,050	26
		586,695	543,490	14,975		4,195	24,035	973,500	973,500		27
		211,478	205,603	457			5,418	525,612	493,471	32,141	28
		26,468	22,370	538			3,560	47,350	47,300	50	29
		101,249	100,099				1,150	213,354	213,354		30
		3,510	3,250	90			170	15,640	15,640		31
		59,558	59,258				300	148,901	129,976	18,925	32
		120,875	119,610	565			700	237,802	232,302	5,500	33
		6,796	5,606	170	300	50	670	24,630	23,430	1,200	34
		46,412	42,215	1,746			2,451	232,652	229,852	2,800	35
		205,280	199,450	3,580		500	1,750	358,402	356,402	2,000	36
		25,825	25,225	35			565	57,950	57,500	450	37
		727,011	709,161	1,000			16,850	1,177,222	798,722	378,500	38
		259,781	257,961	870	450		500	330,740	322,305	8,435	39
		64,461	61,300	286			2,875	147,303	141,303	6,000	40
		38,594	33,722	119			4,753	113,661	113,661		41
		9,906	9,661	65			180	28,234	22,434	5,800	42
6	145	449,616	425,853	7,200	700		15,863	743,369	377,500	365,869	43
		1,154,462	1,110,189	14,905			29,368	1,668,662	239,999	1,428,663	44
		3,751,912	3,372,985	114,007	2,926	13,757	248,237	6,371,053	6,327,205	43,848	45

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CANTON, OHIO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
1	All industries	420	$437,150	$11,387,406	$752,132	$1,365,067	$1,816,936	$961,949	$1,360,518	$5,130,804
2	Agricultural implements	10	4,250	4,721,601	168,136	265,227	212,899	244,779	242,825	3,587,735
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	21	12,740	24,183	7,150	4,850	3,585	1,680	692	6,226
4	Boots and shoes, custom work and repairing	15	8,670	7,541	1,800	1,050	1,520	823	238	2,110
5	Bottling. (See also Liquors, malt; Mineral and soda waters.)	5	2,740	6,747	800	1,100	3,100	520	157	1,070
6	Bread and other bakery products	11	33,185	34,562	8,000	3,050	7,460	5,947	4,685	6,020
7	Brick and tile. (See also Clay and pottery products.)	9	48,940	200,200	33,250	61,100	49,650	2,525	17,975	35,700
8	Carpentering	57	3,610	128,005	7,260	4,295	10,855	21,282	25,790	58,523
9	Carpets, rag	3	2,500	4,125	50	50	640	315	2,000	1,070
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	6	520	112,787	23,400	18,200	9,450	15,750	14,400	31,587
11	Clothing, men's, custom work and repairing	14	42,450	31,265	2,300	500	2,650	16,375	1,350	8,090
12	Clothing, women's, dressmaking	27	20,730	16,079	5,500	4,700	2,275	770	675	2,159
13	Confectionery	5	16,325	25,020	4,300	8,425	1,550	1,450	6,320	2,975
14	Dentistry, mechanical	8	10,910	10,450	1,400	2,000	2,750	885	300	3,025
15	Flouring and grist mill products	5	3,000	144,725	20,875	32,700	53,100	9,800	7,750	29,500
16	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	9	9,750	360,506	68,000	56,000	91,500	27,450	35,950	81,606
17	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Furniture, factory product; Mattresses and spring beds.)	4	4,190	7,200	900	450	550	5,080	.....	220
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts.)	6	800	212,822	45,900	24,300	25,172	53,100	10,500	53,850
19	Masonry, brick and stone. (See also Plastering and stuccowork.)	24	825	31,382	1,500	800	10,360	2,797	2,625	13,300
20	Millinery, custom work	8	31,150	15,811	.....	.....	416	11,300	1,275	2,820
21	Mineral and soda waters. (See also Bottling.)	3	800	9,500	2,300	1,800	4,200	450	100	650
22	Painting and paper hanging	30	14,570	23,829	1,270	1,125	3,099	9,500	300	8,535
23	Photography	7	14,360	10,825	300	450	7,800	950	80	1,245
24	Plastering and stuccowork. (See also Masonry, brick and stone.)	14	175	12,874	.....	.....	2,985	762	175	8,952
25	Plumbing and gas fitting	5	20,450	27,876	.....	.....	2,560	11,691	.....	13,625
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	3	4,000	21,075	2,000	2,000	11,500	1,100	3,025	2,050
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	6	15,800	88,250	10,000	6,000	48,000	8,150	2,100	14,000
28	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	9	8,200	361,717	36,000	25,600	31,207	44,250	35,100	189,560
29	Saddlery and harness	6	9,250	164,975	15,500	32,000	19,200	33,150	30,450	34,675
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	7	9,000	39,835	14,200	7,000	2,650	2,175	2,360	11,450
31	Tobacco, cigars and cigarettes	20	15,600	19,996	1,760	710	1,975	5,543	3,865	6,143
32	Watch, clock, and jewelry repairing	4	6,750	1,780	.....	.....	700	700	380	.....
33	All other industries (a)	59	60,410	4,509,263	268,281	799,585	1,191,578	420,900	907,586	921,333

CHARLESTON, S. C.

1	All industries	566	996,537	7,345,459	1,065,598	1,822,760	1,941,105	681,966	711,605	1,122,425
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	20	18,944	25,700	10,900	6,025	3,650	1,300	425	3,400
3	Boots and shoes, custom work and repairing	37	48,889	23,832	3,250	3,800	5,050	3,437	3,663	4,632
4	Bread and other bakery products	28	51,089	365,233	89,900	84,100	35,885	25,303	24,685	105,360
5	Carpentering	57	56,944	282,233	18,570	22,250	34,026	19,085	107,533	80,769
6	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	10	17,578	28,185	6,800	10,375	2,850	2,350	1,630	4,180
7	Clothing, men's, custom work and repairing	32	46,044	92,994	24,950	17,750	6,010	21,276	5,053	17,955
8	Clothing, men's, factory product	5	25,215	61,095	.....	.....	1,720	14,900	24,350	20,125
9	Clothing, women's, dressmaking	111	124,811	43,182	9,950	15,600	7,662	1,179	2,277	6,514
10	Coffins and burial cases, trimming and finishing	3	1,000	14,115	5,000	4,500	755	700	1,200	1,960
11	Confectionery	7	25,750	24,511	5,500	8,850	5,428	2,633	610	1,490
12	Cooperage	6	20,329	286,100	21,000	110,000	43,250	93,800	16,825	1,225
13	Cotton, compressing	4	.....	1,187,000	258,000	642,000	255,000	2,000	.....	30,000
14	Dentistry, mechanical	3	3,200	2,370	.....	.....	900	110	60	1,300

a Embraces baking and yeast powders, 1; bookbinding and blank-book making, 1; boots and shoes, factory product, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brass castings and brass finishing, 1; bridges, 1; brooms and brushes, 2; carriage and wagon materials, 2; cars and general shop construction and repairs by steam railroad companies, 1; chemicals, 1; clay and pottery products, 2; coffins, burial cases, and undertakers' goods, 1; cooperage, 1; cutlery and edge tools, 2; dyeing and cleaning, 2; electroplating, 1; engraving, wood, 1; fertilizers, 1; furniture, chairs, 2; furniture, factory product, 2; gas, illuminating and heating, 1; glass, 1; hairwork, 1; hardware, 1; hardware, saddlery, 1; iron and steel, 1; lamps and reflectors, 1; lime and cement, 1; liquors, malt, 2; lock and

BY SPECIFIED INDUSTRIES: 1890—Continued.

CANTON, OHIO.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$952,010	$39,186	$58,781	$32,014	$114,854	$156,396	$136,942	$413,837	7,053	$3,780,753	636	$550,176	57	$21,936	1
292,918	330	14,758	8,668	10,975	.....	58,287	199,900	1,005	555,905	104	125,880	6	2,980	2
2,031	1,399	221	87	225	.....	95	4	41	23,451	21	13,606	.....	.....	3
870	774	51	22	4	.....	6	13	25	9,444	12	5,568	.....	.....	4
2,018	270	57	18	465	.....	.....	1,208	11	6,578	4	3,224	.....	.....	5
4,847	2,975	276	205	567	.....	153	671	55	27,872	18	10,857	7	1,972	6
14,480	4,270	464	803	3,395	.....	2,565	2,983	200	80,280	12	9,173	.....	.....	7
159,568	393	230	250	415	156,396	1,327	557	297	176,326	53	37,568	.....	.....	8
394	227	31	26	15	.....	70	16	9	2,745	2	675	.....	.....	9
1,709	50	251	563	410	.....	275	160	64	27,343	2	2,224	.....	.....	10
4,433	3,792	206	155	45	.....	110	125	101	51,971	12	8,606	.....	.....	11
2,143	1,854	97	36	58	.....	.....	98	78	15,634	.....	.....	19	5,776	12
1,770	1,440	211	91	28	.....	.....	.....	16	6,056	5	2,482	1	230	13
1,266	973	65	51	130	.....	.....	47	10	3,710	7	2,798	.....	.....	14
9,717	200	790	1,687	3,215	.....	3,740	85	34	18,847	2	1,665	.....	.....	15
17,124	770	2,234	1,675	4,460	.....	2,400	5,525	280	174,377	23	17,191	2	800	16
425	370	14	35	6	.....	.....	.....	5	3,246	3	1,400	.....	.....	17
7,310	84	1,490	1,968	1,165	.....	2,273	339	91	53,566	14	14,275	.....	.....	18
4,334	90	156	34	1,228	.....	274	2,552	233	135,270	22	14,715	.....	.....	19
3,361	2,760	226	89	5	.....	.....	281	38	11,966	5	2,430	4	1,664	20
1,237	78	37	17	275	.....	130	700	12	4,856	4	1,890	.....	.....	21
2,304	1,448	102	80	12	.....	8	654	91	45,030	30	15,505	.....	.....	22
2,123	1,308	38	55	557	.....	.....	165	18	8,027	8	4,004	.....	.....	23
1,508	18	35	21	309	.....	116	1,009	62	34,425	11	6,515	.....	.....	24
2,244	1,820	204	70	150	.....	.....	.....	80	40,318	12	9,426	.....	.....	25
754	340	174	110	60	.....	70	.....	16	7,804	4	3,900	.....	.....	26
19,762	1,500	400	687	125	.....	700	16,350	112	56,014	17	10,764	.....	.....	27
17,684	680	841	784	875	.....	1,569	12,935	129	73,315	27	22,750	3	1,450	28
6,774	731	494	704	670	.....	550	3,625	156	70,580	9	7,975	1	400	29
1,857	800	323	107	125	.....	112	390	31	16,814	8	5,358	.....	.....	30
8,416	1,405	6,581	52	19	.....	102	257	60	22,171	16	6,018	1	250	31
600	600	.....	.....	.....	.....	.....	.....	5	3,630	.....	.....	.....	.....	32
356,020	5,437	27,724	12,864	84,866	.....	61,941	163,188	3,682	2,013,722	169	181,734	13	6,414	33

CHARLESTON, S. C.

464,172	86,202	96,326	51,117	66,761	1,360	47,990	114,416	5,504	2,326,078	657	491,503	163	51,786	1
2,656	1,705	265	57	180	150	.....	299	58	25,394	19	12,639	.....	.....	2
6,043	4,400	365	85	199	.....	50	944	57	21,740	34	15,974	.....	.....	3
15,455	4,598	3,510	1,070	1,142	.....	.....	5,135	226	97,807	42	29,160	12	4,084	4
18,789	5,140	1,172	744	4,597	.....	540	6,596	515	260,660	56	35,998	.....	.....	5
3,994	1,582	904	217	400	.....	28	863	71	34,032	9	7,712	.....	.....	6
7,583	4,144	1,049	474	66	.....	30	1,820	156	76,984	31	20,426	5	2,454	7
2,996	1,696	650	345	25	.....	.....	280	90	38,044	14	14,200	1	474	8
14,911	11,233	537	206	176	.....	.....	2,759	258	54,071	.....	.....	103	33,985	9
730	120	250	70	210	.....	.....	80	6	2,874	3	1,824	.....	.....	10
2,833	2,060	369	154	25	.....	25	200	31	7,646	3	1,520	5	1,490	11
13,147	1,520	1,082	3,815	2,620	.....	.....	4,110	314	126,269	6	8,465	.....	.....	12
29,150	.....	7,000	2,500	8,500	.....	10,000	1,150	155	51,600	20	18,200	.....	.....	13
358	320	15	13	.....	.....	.....	10	4	860	1	280	.....	.....	14

gun smithing, 1; looking-glass and picture frames, 1; lumber and other mill products from logs or bolts, 1; mattresses and spring beds, 1; models and patterns, 1; monuments and tombstones, 2; patent medicines and compounds, 1; safes and vaults, 1; sausage, 1; saws, 1; shirts, 1; soap and candles, 1; springs, steel, car and carriage, 1; steam fittings and heating apparatus, 1; watch cases, 1; watches, 1; wirework, including wire rope and cable, 2; woodenware, not elsewhere specified, 1; woolen goods, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CANTON, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
1	All industries	4,239	$2,153,938	465	$141,510	18	$3,269	1,280	$733,118	357	$176,702
2	Agricultural implements	507	232,325					388	194,780		
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	19	9,325					1	520		
4	Boots and shoes, custom work and repairing	1	520					12	3,356		
5	Bottling. (See also Liquors, malt; Mineral and soda waters.)	7	3,354								
6	Bread and other bakery products	28	14,543	1	350	1	150				
7	Brick and tile. (See also Clay and pottery products.)	179	67,387			2	360	7	3,360		
8	Carpentering	244	138,758								
9	Carpets, rag	1	160	1	160			4	1,700	1	50
10	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	58	23,944					4	1,175		
11	Clothing, men's, custom work and repairing	10	6,417	14	3,196			43	26,838	22	6,914
12	Clothing, women's, dressmaking			59	9,858						
13	Confectionery	7	2,968	3	436						
14	Dentistry, mechanical	3	912								
15	Flouring and grist mill products	24	13,022					8	4,160		
16	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	199	107,150					56	49,236		
17	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Furniture, factory product; Mattresses and spring beds.)	2	1,846								
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts.)	77	39,291								
19	Masonry, brick and stone. (See also Plastering and stuccowork.)	211	120,555								
20	Millinery, custom work			27	7,196	2	676				
21	Mineral and soda waters. (See also Bottling.)	7	2,810			1	156				
22	Painting and paper hanging	50	26,075					5	3,450		
23	Photography	6	3,107	1	364	3	552				
24	Plastering and stuccowork. (See also Masonry, brick and stone.)	57	27,910								
25	Plumbing and gas fitting	68	30,892								
26	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	3,250	3	550	1	104				
27	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	76	38,790	10	1,600			9	4,860		
28	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	99	49,115								
29	Saddlery and harness	26	12,205	30	6,500			80	40,000	10	3,500
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	20	10,850			3	606				
31	Tobacco, cigars and cigarettes	4	647	2	250	3	340	32	14,292	1	270
32	Watch, clock, and jewelry repairing	5	3,030								
33	All other industries	2,230	1,162,840	314	111,050	2	325	631	385,391	323	165,968

CHARLESTON, S. C.—Continued.

1	All industries	3,396	1,456,902	737	139,547	91	13,866	261	120,984	195	48,120
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	34	12,029			1	26	3	450		
3	Boots and shoes, custom work and repairing	11	2,212			1	12	10	3,126	1	416
4	Bread and other bakery products	164	62,253	8	1,710						
5	Carpentering	458	224,537					1	125		
6	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	61	25,744					1	576		
7	Clothing, men's, custom work and repairing	34	13,441	7	956	1	120	59	33,550	19	6,037
8	Clothing, men's, factory product	4	2,720					5	3,000	66	17,650
9	Clothing, women's, dressmaking			108	17,509	3	140			41	3,217
10	Coffins and burial cases, trimming and finishing	3	1,050								
11	Confectionery	23	4,636								
12	Cooperage	295	115,300					13	2,504		
13	Cotton, compressing	135	33,400								
14	Dentistry, mechanical	3	580								

BY SPECIFIED INDUSTRIES: 1890—Continued.

CANTON, OHIO—Continued.

AVERAGE NUMBER OF EMPLOYES AND TOTAL WAGES—continued.		COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Piecework—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
1	$104	$4,948,508	$4,415,732	$111,103	$2,627	$14,982	$404,064	$11,881,810	$10,315,025	$1,566,785	1
.....	.....	630,903	415,978	13,402	60	.....	201,463	2,002,896	1,696,721	306,175	2
.....	.....	10,002	9,341	616	.....	.....	45	38,874	600	38,274	3
.....	.....	6,846	6,497	117	.....	.....	232	20,542	3,560	16,982	4
.....	.....	16,102	15,962	40	.....	.....	100	29,374	24,574	4,800	5
.....	.....	56,597	49,793	1,872	.....	.....	4,932	112,370	112,370	.....	6
.....	.....	33,410	.....	24,120	.....	.....	9,290	167,045	166,245	800	7
.....	.....	327,961	325,634	16	.....	.....	2,311	712,386	67,750	644,636	8
.....	.....	2,945	2,860	30	.....	.....	25	8,840	6,450	2,390	9
.....	.....	40,117	38,250	512	.....	.....	1,355	89,325	76,975	12,350	10
.....	.....	66,825	66,483	340	.....	.....	2	140,294	79,144	61,150	11
.....	.....	18,351	16,180	166	.....	.....	2,005	41,441	15,350	26,091	12
.....	.....	21,146	20,221	245	.....	.....	680	31,590	31,590	.....	13
.....	.....	3,125	2,970	131	24	.....	.....	10,900	4,600	6,300	14
.....	.....	323,968	309,636	2,212	.....	225	11,295	388,206	367,306	20,900	15
.....	.....	175,279	139,324	4,055	1,400	1,200	29,300	493,550	463,160	30,390	16
.....	.....	5,817	5,790	27	.....	.....	.....	12,504	12,504	.....	17
.....	.....	124,635	122,110	1,250	.....	325	950	231,460	221,460	10,000	18
.....	.....	117,691	117,691	.....	.....	.....	.....	280,415	280,015	400	19
.....	.....	32,962	32,340	12	.....	.....	610	56,202	16,100	40,102	20
.....	.....	3,061	2,816	.....	.....	.....	245	12,544	12,544	.....	21
.....	.....	33,487	33,028	59	.....	.....	400	91,246	2,200	89,046	22
.....	.....	5,435	5,435	.....	.....	.....	.....	22,247	9,474	12,773	23
.....	.....	28,168	28,154	14	.....	.....	.....	76,660	52,345	24,315	24
.....	.....	61,030	38,610	120	.....	.....	22,300	118,500	51,000	67,500	25
.....	.....	10,741	10,471	100	120	.....	50	23,065	23,065	.....	26
.....	.....	32,007	30,897	510	500	.....	100	144,410	144,410	.....	27
.....	.....	362,358	354,483	275	200	.....	7,400	530,504	490,804	39,700	28
.....	.....	113,215	109,505	610	.....	100	3,000	225,225	221,250	3,975	29
.....	.....	16,955	15,411	259	.....	.....	1,285	42,850	14,360	28,490	30
1	104	20,497	17,328	89	8	.....	3,072	55,662	55,662	.....	31
.....	.....	700	700	.....	.....	.....	.....	8,631	8,631	.....	32
.....	.....	2,246,772	2,071,804	59,904	315	13,132	101,617	5,662,052	5,582,806	79,246	33

CHARLESTON, S. C.—Continued.

4	370	4,753,396	4,522,400	83,050	4,056	35,985	107,905	9,005,421	7,978,868	1,026,553	1
1	250	13,976	13,158	713	.....	.....	105	45,130	20,865	24,265	2
.....	.....	17,730	16,841	32	.....	.....	857	48,811	23,399	25,412	3
.....	.....	260,603	247,386	5,361	36	.....	7,820	467,944	445,974	21,970	4
.....	.....	600,885	585,210	480	.....	.....	15,195	980,594	768,657	211,937	5
.....	.....	20,625	19,514	571	.....	5	535	67,968	21,111	46,857	6
.....	.....	57,771	56,155	171	120	.....	1,325	176,599	156,805	19,794	7
.....	.....	92,100	92,000	.....	.....	.....	100	161,200	161,200	.....	8
3	120	14,778	13,162	380	.....	12	1,224	109,302	94,118	15,184	9
.....	.....	6,950	6,850	.....	.....	.....	100	14,800	6,300	8,500	10
.....	.....	17,013	13,772	536	.....	.....	2,705	48,485	48,135	350	11
.....	.....	279,275	278,675	.....	400	.....	800	425,125	424,500	625	12
.....	.....	11,165	.....	8,450	.....	.....	2,715	124,000	24,000	100,000	13
.....	.....	530	530	.....	.....	.....	.....	2,000	2,000	.....	14

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHARLESTON, S. C.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	Direct investment. Aggregate.	Value of plant. Land.	Buildings.	Machinery, tools, and implements.	Live assets. Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
15	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	11	$26,600	$28,940	$5,200	$13,500	$1,350	$1,975	$3,565	$3,350
16	Flouring and grist mill products	7	30,530	188,095	17,000	26,000	27,000	41,450	30,145	46,500
17	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	4	.....	357,850	34,000	41,000	119,500	37,650	52,400	73,300
18	Furnishing goods, men's	8	9,050	16,255	5,500	2,850	2,435	775	2,480	2,215
19	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	10	12,856	11,250	1,700	1,000	2,600	1,245	1,760	2,945
20	Lock and gun smithing	7	12,000	25,850	9,200	8,100	3,100	2,025	1,625	1,800
21	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.)	10	19,670	208,756	25,878	19,000	38,400	24,410	24,678	76,390
22	Masonry, brick and stone	17	15,878	181,584	40,800	17,600	2,870	3,705	97,845	18,764
23	Mattresses and spring beds. (See also Furniture.)	5	8,167	13,001	.....	8,100	2,307	265	529	1,800
24	Millinery, custom work	11	36,711	27,845	4,500	7,500	1,115	8,600	1,725	4,405
25	Mineral and soda waters	4	9,667	11,500	1,000	5,000	4,100	120	575	705
26	Monuments and tombstones	5	2,167	39,850	8,200	2,300	2,950	4,600	18,300	3,500
27	Painting and paper hanging	8	10,867	17,015	2,600	3,400	2,190	2,100	1,450	5,275
28	Photography	4	23,111	30,810	.....	.....	25,300	2,400	2,360	750
29	Plumbing and gas fitting	14	26,600	27,862	5,900	5,700	2,417	3,710	6,880	3,255
30	Printing and publishing, book and job	5	18,475	241,900	21,000	39,000	71,000	52,300	12,800	45,800
31	Printing and publishing, newspapers and periodicals.	4	14,250	120,600	10,500	20,000	65,000	3,800	1,300	29,000
32	Rice, cleaning and polishing	4	.....	264,700	50,000	91,000	100,000	3,200	.....	20,500
33	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	4	11,200	25,634	1,500	6,000	1,923	985	3,100	12,126
34	Saddlery and harness	7	22,700	37,803	1,500	2,000	2,785	6,379	15,110	10,029
35	Shipbuilding	7	11,440	127,720	20,500	15,400	12,000	7,270	47,475	25,075
36	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	18	31,056	80,730	19,100	24,900	11,235	5,095	8,965	11,435
37	Tobacco, cigars and cigarettes	5	15,167	8,655	.....	.....	955	3,475	4,150	75
38	Watch, clock, and jewelry repairing	18	50,878	44,122	7,000	13,000	10,500	4,442	980	8,200
39	All other industries (a)	46	137,713	2,761,582	319,200	525,100	1,025,887	271,917	183,097	436,321

CHATTANOOGA, TENN.

1	All industries	294	579,305	7,405,646	1,365,372	871,946	1,602,362	839,700	931,585	1,794,681
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	13	17,110	4,120	.....	.....	1,200	525	.....	2,395
3	Boots and shoes, custom work and repairing	20	18,900	7,691	.....	.....	1,807	2,124	180	3,580
4	Bread and other bakery products	7	26,950	30,740	5,200	8,500	8,240	6,075	275	11,450
5	Brick and tile	6	40,890	153,880	32,600	11,100	35,000	9,600	49,000	17,180
6	Carpentering	19	11,080	178,042	.....	150	9,875	48,530	8,040	111,447
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	12,430	20,700	.....	1,800	1,800	9,000	4,800	3,300
8	Clothing, men's, custom work and repairing	10	34,510	32,340	.....	.....	710	16,650	1,300	13,680
9	Clothing, women's, dressmaking	28	25,980	25,489	6,500	4,030	2,676	2,000	3,000	7,283
10	Dentistry, mechanical	4	4,750	1,700	.....	.....	475	275	.....	950
11	Dyeing and cleaning	4	5,110	9,712	6,000	1,500	955	72	.....	1,185
12	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	14	26,210	868,513	182,360	121,507	153,341	30,505	72,206	258,594
13	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	8	11,670	7,210	2,000	350	2,075	650	385	1,750
14	Furniture, factory product	3	.....	396,642	70,000	46,900	45,400	40,300	88,300	105,742
15	Iron and steel	5	.....	1,061,656	138,000	255,567	399,098	64,959	86,820	117,212
16	Lock and gun smithing	4	5,000	2,105	.....	.....	1,400	90	100	515
17	Lumber and other mill products from logs or bolts.	8	9,200	1,101,900	274,000	52,200	131,500	125,200	306,500	212,500
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	8	18,100	742,554	216,259	35,900	112 112	98,560	56,229	223,554
19	Marble and stone work	6	6,460	123,502	29,500	7,056	15,394	18,087	20,559	32,906
20	Masonry, brick and stone. (See also Plastering and stuccowork.)	13	22,150	156,724	.....	.....	32,226	29,350	2,500	92,648
21	Mattresses and spring beds. (See also Furniture.)	4	16,500	18,945	1,000	500	3,025	3,753	4,287	6,380
22	Millinery, custom work	4	11,450	31,610	2,800	2,200	310	15,000	700	10,600
23	Painting and paper hanging	13	17,960	25,905	.....	.....	3,505	7,050	1,700	13,650
24	Photography	5	10,380	8,550	.....	.....	4,250	1,275	.....	3,025
25	Plastering and stucco work. (See also Masonry, brick and stone.)	4	4,350	10,175	200	150	385	1,015	.....	8,425

a Embraces awnings, tents, and sails, 2; bagging, flax, hemp, and jute, 1; bags, other than paper, 2; baskets and rattan and willow ware, 1; boot and shoe uppers, 1; boxes, wooden packing, 2; brick and tile, 2; cars and general shop construction and repairs by steam railroad companies, 2; chemicals, 1; clay and pottery products, 1; cotton, cleaning and rehandling, 1; cotton goods, 1; cotton ties, 2; dyeing and cleaning, 2; fertilizers, 2; flags and banners, 1; food preparations, 1; gas,

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHARLESTON, S. C.—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$3,655	$2,394	$391	$160	$125	.....	.....	$585	23	$8,764	17	$7,844	.....	.....	15
5,947	2,580	911	781	400	.....	$300	975	69	32,144	24	17,176	.....	.....	16
9,517	.....	3,922	1,995	2,200	.....	.....	1,400	227	139,788	13	18,080	.....	.....	17
1,270	724	265	126	20	.....	.....	135	35	7,335	4	1,160	5	$750	18
1,771	1,157	192	82	30	.....	30	280	27	10,315	10	4,960	.....	.....	19
1,801	960	434	128	65	.....	25	189	18	8,780	10	5,410	.....	.....	20
11,928	1,883	2,055	945	1,653	.....	2,200	3,192	221	89,591	22	18,294	.....	.....	21
6,701	1,444	1,396	569	652	$160	930	1,550	144	79,991	15	9,859	.....	.....	22
2,244	735	281	255	.....	.....	.....	973	51	15,835	7	3,260	1	144	23
4,387	3,304	440	229	69	.....	.....	345	43	11,863	.....	.....	23	7,893	24
1,545	870	330	25	225	.....	.....	95	13	5,204	5	2,224	.....	.....	25
837	195	317	125	75	.....	.....	125	41	23,597	6	5,672	.....	.....	26
1,920	978	367	125	60	.....	.....	390	51	26,071	11	7,055	.....	.....	27
2,801	2,080	72	124	175	.....	.....	350	16	8,880	5	4,489	.....	.....	28
3,718	2,394	390	127	245	50	.....	512	42	20,855	13	8,350	.....	.....	29
24,256	1,370	1,808	1,545	775	.....	1,400	17,358	143	81,748	40	31,200	.....	.....	30
38,630	1,060	1,360	710	300	.....	3,000	32,200	129	96,960	16	13,988	.....	.....	31
20,350	.....	7,000	3,400	4,950	.....	3,500	1,500	99	37,710	11	11,210	.....	.....	32
1,507	896	200	42	84	.....	.....	285	26	14,750	4	3,900	.....	.....	33
5,209	1,816	435	278	130	.....	.....	2,550	36	19,756	15	9,639	.....	.....	34
11,590	1,088	775	1,212	7,050	.....	.....	1,405	82	46,786	6	5,860	.....	.....	35
5,301	2,795	968	493	150	.....	.....	925	79	41,552	22	13,682	.....	.....	36
5,235	1,365	3,103	10	165	.....	32	560	23	10,649	6	2,853	.....	.....	37
7,184	4,579	468	182	100	1,000	.....	855	48	41,620	29	26,360	.....	.....	38
166,283	11,017	51,278	27,729	28,923	.....	25,900	21,436	1,877	636,638	108	92,800	8	2,912	39

CHATTANOOGA, TENN.

999,518	58,178	75,991	47,878	91,010	365,361	102,326	168,774	5,741	2,746,887	479	474,222	62	26,142	1
1,037	1,863	.....	.....	.....	.....	.....	74	35	17,465	16	8,374	.....	.....	2
2,173	1,878	.....	23	.....	.....	.....	272	43	16,702	30	11,119	.....	.....	3
6,014	2,731	256	307	570	.....	480	1,670	45	24,496	15	10,552	3	780	4
13,001	3,287	476	2,110	3,793	.....	2,700	635	238	58,358	12	10,760	.....	.....	5
279,927	1,218	.....	2,780	.....	268,361	4,115	3,453	269	163,835	26	28,999	.....	.....	6
2,437	1,254	422	260	75	.....	101	325	45	21,293	6	3,552	.....	.....	7
4,336	3,375	215	203	.....	.....	.....	543	80	47,306	13	11,409	.....	.....	8
4,280	2,622	220	85	100	.....	.....	1,253	134	40,906	1	500	27	11,002	9
602	466	.....	6	.....	.....	.....	130	5	2,559	5	2,559	.....	.....	10
972	501	100	76	95	.....	.....	200	12	4,900	4	2,700	1	400	11
54,034	2,640	3,296	2,980	4,900	.....	6,803	33,415	627	300,908	36	41,149	.....	.....	12
1,379	1,185	12	41	.....	.....	.....	141	18	12,582	10	6,593	.....	.....	13
28,332	.....	1,500	4,432	6,800	.....	7,900	7,700	264	113,180	12	16,520	1	500	14
95,355	.....	10,817	3,862	39,559	.....	25,445	15,672	543	262,548	25	31,330	.....	.....	15
591	506	.....	15	.....	.....	.....	70	7	3,784	5	2,978	.....	.....	16
59,956	1,095	5,213	9,410	13,028	.....	18,700	12,510	414	167,476	24	22,988	.....	.....	17
40,959	1,825	2,735	7,807	3,678	.....	17,705	7,709	392	193,012	35	36,575	.....	.....	18
10,782	785	600	292	800	.....	5,145	3,100	139	73,840	11	12,775	.....	.....	19
120,270	2,640	150	2,280	1,650	97,000	2,547	14,003	437	245,307	21	27,050	.....	.....	20
2,558	1,660	10	169	614	.....	.....	105	38	16,950	5	3,300	.....	.....	21
2,502	1,128	299	215	.....	.....	.....	860	38	16,899	1	500	14	6,012	22
3,899	1,874	.....	100	.....	.....	425	1,500	83	59,400	14	13,485	.....	.....	23
2,567	1,042	484	71	.....	.....	.....	970	17	9,375	8	6,030	1	144	24
1,955	516	2	.....	.....	.....	197	1,240	45	27,832	5	5,000	.....	.....	25

illuminating and heating, 1; grease and tallow, 1; hairwork, 2; hand stamps, 1; ice, artificial, 1; iron work, architectural and ornamental, 2; liquors, malt, 1; looking-glass and picture frames, 1; lumber and other mill products from logs or bolts, 1; musical instruments, organs and materials, 1; patent medicines and compounds, 2; sausage, 1; soap and candles, 1; trunks and valises, 1; umbrellas and canes, 2; vinegar and cider, 1; wood, turned and carved, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHARLESTON, S. C.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
15	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	6	$920								
16	Flouring and grist mill products	45	14,968								
17	Foundry and machine shop products (See also Ironwork, architectural and ornamental.)	211	121,208					3	$500		
18	Furnishing goods, men's			3	$425			23	5,000		
19	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	13	5,030					4	325		
20	Lock and gun smithing	8	3,370								
21	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.)	194	70,172			5	$1,125				
22	Masonry, brick and stone	129	70,132								
23	Mattresses and spring beds. (See also Furniture.)	21	7,744	4	582			17	3,905	1	$200
24	Millinery, custom work			20	3,070						
25	Mineral and soda waters	8	2,980								
26	Monuments and tombstones	31	20,725					4	1,200		
27	Painting and paper hanging	33	16,880					7	2,136		
28	Photography	10	4,160	1	240						
29	Plumbing and gas fitting	29	12,525								
30	Printing and publishing, book and job	63	36,528	40	14,020						
31	Printing and publishing, newspapers and periodicals.	77	45,978					36	37,000		
32	Rice, cleaning and polishing	88	26,500								
33	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	21	10,770			1	80				
34	Saddlery and harness	7	3,612					14	6,505		
35	Shipbuilding	71	40,556					5	370		
36	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	56	27,470					1	100		
37	Tobacco, cigars and cigarettes	1	560								
38	Watch, clock, and jewelry repairing	17	14,184					16	7,236		
39	All other industries	1,032	396,628	546	100,135	79	12,363	2	1,076		
								37	12,300	67	20,600

CHATTANOOGA, TENN.—Continued.

1	All industries	4,553	2,052,295	208	63,065	163	25,640	201	93,448	55	11,527
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	19	9,091								
3	Boots and shoes, custom work and repairing							13	5,583		
4	Bread and other bakery products	25	12,956			2	208				
5	Brick and tile	163	39,108	8	1,483	40	5,007	15	2,000		
6	Carpentering	247	132,536			2	500	4	1,800		
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	34	16,057			2	364	3	1,320		
8	Clothing, men's, custom work and repairing	13	8,830	8	2,150	2	273	35	21,784	9	2,860
9	Clothing, women's, dressmaking			105	29,326	1	78				
10	Dentistry, mechanical										
11	Dyeing and cleaning	3	950	4	850						
12	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	541	241,924			10	1,736	40	16,099		
13	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	8	5,989								
14	Furniture, factory product	179	78,583	17	5,337	45	7,920	10	4,320		
15	Iron and steel	516	230,768			2	450				
16	Lock and gun smithing	1	624			1	182				
17	Lumber and other mill products from logs or bolts.	371	141,904			9	860	5	1,356		
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Wood, turned and carved.)	336	152,281			21	4,156				
19	Marble and stone work	128	61,065								
20	Masonry, brick and stone. (See also Plastering and stuccowork.)	416	218,257								
21	Mattresses and spring beds. (See also Furniture.)	29	12,702	4	948						
22	Millinery, custom work			21	10,260	2	127				
23	Painting and paper hanging	61	41,615					8	4,300		
24	Photography	5	2,591	2	510	1	130				
25	Plastering and stuccowork. (See also Masonry, brick and stone.)	38	21,582					2	1,250		

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHARLESTON, S. C.—Continued.

Average number of employes and total wages—continued.		Cost of materials used.						Value of products.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
.....	.....	$19,825	$19,445	$25	.....	.....	$355	$44,488	$40,288	$4,200	15
.....	.....	342,951	335,205	2,838	.....	$50	4,858	389,914	348,914	41,000	16
.....	.....	162,020	154,720	6,650	.....	.....	650	365,200	359,200	6,000	17
.....	.....	15,695	15,160	10	.....	.....	525	32,470	29,700	2,770	18
.....	.....	13,298	12,437	66	.....	.....	795	26,475	21,925	4,550	19
.....	.....	7,437	7,380	32	.....	.....	25	26,660	12,600	14,060	20
.....	.....	249,871	242,646	800	$300	1,100	5,025	444,833	384,433	60,400	21
.....	.....	277,150	275,300	500	.....	.....	1,350	426,075	322,000	104,075	22
.....	.....	10,083	8,663	450	.....	.....	970	34,705	33,730	975	23
.....	.....	12,290	11,750	.....	.....	.....	540	46,956	38,708	8,248	24
.....	.....	13,705	11,505	.....	.....	.....	2,200	28,100	28,100	.....	25
.....	.....	16,790	16,350	.....	.....	.....	440	77,350	74,350	3,000	26
.....	.....	17,380	17,350	.....	.....	.....	30	51,215	25,600	25,615	27
.....	.....	6,585	6,575	.....	.....	.....	10	22,520	7,300	15,220	28
.....	.....	27,690	27,445	45	.....	.....	200	54,825	22,495	32,330	29
.....	.....	96,250	93,200	1,400	.....	.....	1,650	242,985	233,985	9,000	30
.....	.....	23,340	21,465	925	.....	.....	950	206,100	206,100	.....	31
.....	.....	27,500	.....	7,350	.....	1,100	19,050	120,056	116,300	3,756	32
.....	.....	15,865	15,350	200	.....	.....	315	34,357	22,297	12,060	33
.....	.....	34,440	33,850	90	.....	.....	500	72,500	67,300	5,200	34
.....	.....	46,452	44,562	800	.....	.....	1,090	185,280	126,030	59,250	35
.....	.....	44,826	43,864	122	.....	.....	840	108,160	73,475	34,685	36
.....	.....	8,834	7,902	26	.....	.....	906	27,100	26,900	200	37
.....	.....	14,542	14,375	67	.....	.....	100	73,105	33,730	39,375	38
.....	.....	1,854,526	1,742,648	43,010	3,200	33,718	31,050	3,192,034	3,126,344	65,690	39

CHATTANOOGA, TENN.—Continued.

20	$548	4,937,902	4,297,608	362,149	481	23,634	254,030	10,216,109	7,895,031	2,321,078	1
.....	.....	6,978	6,271	431	.....	5	271	29,190	.....	29,190	2
.....	.....	10,797	10,318	.....	.....	.....	479	31,727	1,287	30,440	3
.....	.....	43,972	40,738	1,628	.....	.....	1,606	86,020	86,020	.....	4
.....	.....	26,231	.....	21,614	.....	.....	4,617	125,607	125,607	.....	5
.....	.....	331,239	320,479	.....	96	.....	10,664	835,782	835,782	.....	6
.....	.....	20,927	19,280	307	.....	.....	1,280	50,880	14,150	36,730	7
.....	.....	55,580	47,840	.....	.....	.....	7,740	122,545	1,330	121,215	8
.....	.....	18,145	17,900	.....	.....	.....	245	71,952	3,600	68,352	9
.....	.....	839	714	.....	.....	.....	125	4,000	1,200	2,800	10
.....	.....	1,003	756	230	.....	.....	17	7,565	.....	7,565	11
.....	.....	574,668	474,846	34,849	.....	4,004	60,969	1,094,811	1,051,924	42,887	12
.....	.....	8,050	7,281	60	.....	.....	709	25,421	5,800	19,621	13
.....	.....	137,870	132,234	336	.....	2,800	2,500	339,375	338,375	1,000	14
.....	.....	776,314	474,834	271,363	.....	.....	30,117	1,241,262	1,216,121	25,141	15
.....	.....	1,120	595	120	.....	.....	405	7,200	.....	7,200	16
5	368	448,829	438,868	.....	.....	8,861	1,100	817,603	807,303	10,300	17
.....	.....	457,605	443,601	.....	200	1,504	12,300	821,862	553,362	268,500	18
.....	.....	129,894	127,499	1,000	.....	600	795	234,280	195,156	39,124	19
.....	.....	366,699	356,959	600	.....	200	8,940	797,278	.....	797,278	20
.....	.....	59,430	53,508	370	.....	37	5,425	90,977	80,597	10,380	21
.....	.....	35,001	34,001	.....	.....	.....	1,000	62,430	12,000	50,430	22
.....	.....	46,361	44,783	.....	.....	.....	1,578	124,728	7,200	117,528	23
.....	.....	4,773	4,123	.....	.....	.....	650	19,910	.....	19,910	24
.....	.....	23,699	22,649	.....	.....	.....	1,050	59,500	.....	59,500	25

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHATTANOOGA, TENN.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
26	Plumbing and gas fitting	5	$34,790	$99,418	.....	.....	$7,600	$42,914	$100	$48,804
27	Printing and publishing, newspapers and periodicals. (See also Printing and publishing, book and job.)	6	14,900	162,885	$17,298	$10,000	46,720	4,318	3,450	81,099
28	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	4	8,560	16,385	.....	.....	3,020	5,060	4,030	4,275
29	Saddlery and harness	3	12,185	25,320	.....	.....	1,260	2,260	6,200	15,600
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	7	33,810	47,550	.....	.....	10,075	14,800	5,260	17,475
31	Watch, clock, and jewelry repairing	9	22,750	10,295	.....	.....	4,150	2,350	250	3,545
32	All other industries (a)	37	95,170	2,014,379	382,255	312,536	562,778	187,413	205,474	363,923

CHELSEA, MASS.

1	All industries	347	1,048,968	7,028,356	583,253	691,446	1,570,182	934,028	1,366,540	1,882,907
2	Baskets and rattan and willow ware	5	11,100	4,995	.....	.....	1,320	980	1,295	1,400
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	15	25,225	10,255	4,700	2,600	3,465	2,210	1,755	4,525
4	Boots and shoes, custom work and repairing	32	32,775	8,737	400	1,175	4,499	1,548	300	815
5	Bread and other bakery products	16	89,450	40,850	600	400	9,530	14,350	1,690	14,280
6	Carpentering	20	22,740	32,505	1,760	2,600	8,700	7,925	2,700	8,820
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	6,625	19,375	3,500	7,300	4,700	1,100	1,050	1,725
8	Clothing, men's, custom work and repairing	13	35,358	10,736	.....	.....	1,475	5,991	400	2,870
9	Clothing, men's, factory product	8	12,525	8,100	200	1,050	4,900	1,500	.....	450
10	Clothing, women's, dressmaking	52	88,100	7,562	.....	.....	4,896	964	40	1,752
11	Confectionery	4	11,475	41,375	23,000	2,000	12,350	725	750	2,550
12	Dentistry, mechanical	4	9,890	1,775	.....	.....	1,300	225	150	100
13	Foundry and machine shop products	5	27,100	714,460	103,000	47,000	68,700	56,960	82,300	356,500
14	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Furniture, factory product; Mattresses and spring beds.)	7	17,480	2,665	.....	.....	1,525	710	70	360
15	Grease and tallow. (See also Soap and candles.)	4	22,840	40,797	5,800	3,200	5,200	10,100	4,250	12,247
16	Leather, tanned and curried	3	.....	29,800	2,800	12,900	8,600	1,000	3,000	1,500
17	Looking-glass and picture frames	3	11,350	1,435	.....	.....	515	420	300	200
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts.)	3	22,100	39,200	7,000	6,000	14,500	4,300	3,800	3,600
19	Masonry, brick and stone. (See also Plastering and stuccowork.)	6	3,275	7,915	1,500	1,050	1,115	350	.....	3,900
20	Millinery, custom work	9	44,210	10,745	.....	.....	590	7,650	1,060	1,445
21	Painting and paper hanging	21	36,910	12,750	700	700	4,275	3,430	120	3,525
22	Plastering and stuccowork. (See also Masonry, brick and stone.)	3	3,100	1,290	.....	.....	545	125	.....	620
23	Plumbing and gas fitting	14	38,750	20,014	.....	.....	5,400	5,314	600	8,700
24	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	6	14,250	9,540	.....	.....	7,050	560	175	855
25	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	4	13,625	7,683	.....	.....	6,900	.....	.....	783
26	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	7	13,525	40,650	2,000	2,450	3,800	20,450	.....	11,950
27	Rubber and elastic goods	8	156,460	2,553,354	108,600	189,237	499,272	446,680	687,238	622,327
28	Saddlery and harness	3	8,140	3,917	.....	.....	850	240	350	2,477
29	Soap and candles. (See also Grease and tallow.)	4	3,525	7,000	2,100	900	2,150	650	250	950
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	3	13,100	11,225	.....	.....	2,200	5,600	1,575	1,850
31	Tobacco, cigars and cigarettes	10	17,225	17,475	1,000	1,000	2,835	8,045	2,870	1,725
32	Varnish. (See also Paints.)	3	.....	20,000	4,250	6,950	1,700	3,000	3,500	600
33	Watch, clock, and jewelry repairing	3	8,150	2,750	.....	.....	1,250	750	.....	750
34	All other industries (b)	45	228,500	3,278,426	310,343	402,934	873,265	320,176	564,952	806,756

a Embraces agricultural implements, 1; baking and yeast powders, 2; bottling, 1; brass castings and brass finishing, 1; bridges, 1; cars and general shop construction and repairs by steam railroad companies, 2; cars, steam railroad, not including operations of railroad companies, 1; clothing, men's, factory product, 1; druggists' preparations, not including prescriptions, 1; electrical apparatus and supplies, 1; electroplating, 1; flouring and grist mill products, 1; fruits and vegetables, canning and preserving, 1; gas, illuminating and heating, 1; hairwork, 1; ice, artificial, 2; ironwork, architectural and ornamental, 1; leather tanned and curried, 1; lime and cement, 1; liquors, malt, 1; mantels, slate, marble, and marbleized, 1; mineral and soda waters, 1; paints, 2; paving and paving materials, 1; printing and publishing, book and job, 1; sausage, 1; saws, 1; shirts, 1; tobacco, cigars and cigarettes, 2; trunks and valises, 2; wood, turned and carved, 1.

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHATTANOOGA, TENN.—*Continued.*

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$7,377	$3,468	$60	$437	$100	.....	$775	$2,537	112	$47,030	14	$10,519	.....	.....	26
39,752	1,348	673	832	100	.....	80	36,719	186	103,622	16	17,182	14	$6,904	27
1,754	942	27	80	.....	.....	520	185	28	16,471	5	3,893	.....	.....	28
1,960	1,225	125	160	200	.....	.....	250	29	24,212	9	5,660	.....	.....	29
5,768	3,356	250	157	235	.....	400	1,370	78	42,868	10	10,037	.....	.....	30
2,756	2,286	.....	60	25	.....	.....	385	18	14,971	9	6,020	.....	.....	31
109,333	9,462	48,040	9,128	14,688	.....	8,288	19,718	1,322	596,800	76	104,114	1	400	32

CHELSEA, MASS.

547,110	83,035	53,919	36,834	74,980	$16,000	141,166	141,176	3,470	1,884,002	403	443,073	90	55,084	1
1,079	1,004	16	59	1	.....	.....	5	33	14,740	6	3,640	.....	.....	2
2,523	2,266	119	38	40	.....	60	.....	34	25,639	15	14,921	.....	.....	3
3,051	2,948	31	42	15	.....	.....	15	45	25,640	27	16,950	.....	.....	4
10,066	8,028	472	501	195	.....	.....	870	97	59,380	24	26,831	15	5,135	5
7,034	2,041	223	180	20	.....	.....	4,570	125	93,059	21	24,135	.....	.....	6
1,037	650	208	60	110	.....	.....	.....	14	11,196	5	4,540	.....	.....	7
3,408	2,907	164	82	155	.....	100	.....	39	18,234	8	4,325	.....	.....	8
1,577	1,075	26	81	145	.....	.....	250	147	43,480	5	6,259	4	3,700	9
7,965	7,915	.....	.....	.....	.....	.....	50	140	58,191	.....	.....	52	35,869	10
1,522	916	415	66	125	.....	.....	.....	16	9,498	4	4,300	.....	.....	11
996	890	.....	11	95	.....	.....	.....	7	4,500	4	3,260	.....	.....	12
36,328	2,200	7,143	2,795	1,315	.....	2,500	20,375	341	217,999	17	30,050	1	780	13
1,455	1,396	33	26	.....	.....	.....	.....	15	8,917	6	4,730	.....	.....	14
3,225	1,380	152	373	120	.....	200	1,000	25	15,724	6	5,628	.....	.....	15
1,285	.....	285	390	535	.....	75	.....	22	14,943	4	3,700	.....	.....	16
1,193	1,020	24	19	.....	.....	.....	130	9	6,066	3	3,030	.....	.....	17
4,956	1,760	321	840	135	.....	1,900	.....	61	38,450	1	2,000	.....	.....	18
710	260	46	18	16	.....	.....	370	23	17,344	3	3,020	.....	.....	19
3,656	3,530	56	70	.....	.....	.....	.....	25	12,000	.....	.....	8	6,100	20
3,246	2,950	72	79	35	.....	.....	110	73	57,178	23	21,446	.....	.....	21
263	247	6	10	.....	.....	.....	.....	7	6,441	2	2,406	.....	.....	22
3,948	3,098	75	115	30	.....	.....	630	51	38,406	14	14,819	2	430	23
1,150	998	47	80	25	.....	.....	.....	18	10,351	7	6,320	.....	.....	24
3,278	950	9	93	.....	.....	.....	2,226	17	9,480	2	2,010	.....	.....	25
2,131	1,081	255	62	608	.....	.....	125	33	25,241	7	7,486	.....	.....	26
212,709	10,967	12,477	11,241	47,556	.....	76,254	54,214	945	482,877	90	118,500	4	2,170	27
776	650	19	37	.....	.....	.....	70	6	3,881	1	333	.....	.....	28
576	280	36	25	35	.....	.....	200	10	6,080	4	3,830	.....	.....	29
1,163	1,045	36	32	.....	.....	.....	50	13	10,750	3	3,650	.....	.....	30
6,756	1,369	5,005	117	25	.....	.....	240	51	21,040	10	9,040	.....	.....	31
1,772	.....	212	280	.....	.....	.....	1,280	9	6,400	.....	.....	.....	.....	32
678	648	18	12	.....	.....	.....	.....	7	5,156	2	1,750	.....	.....	33
215,598	16,566	25,918	18,997	23,644	16,000	60,077	54,396	1,012	505,071	79	96,230	4	1,800	34

[b] Embraces baking and yeast powders, 1; belting and hose, rubber, 2; bluing, 1; bookbinding and blank-book making, 1; boxes, fancy and paper, 1; brass castings and brass finishing, 1; brick and tile, 1; brooms and brushes, 1; carriage and wagon materials, 1; clay and pottery products, 2; cordage and twine, 1; cutlery and edge tools, 1; dyeing and cleaning, 2; dyeing and finishing textiles, 1; fertilizers, 1; furnishing goods, men's, 2; furniture, chairs, 1; furniture, factory product, 1; furs, dressed, 1; gas, illuminating and heating, 1; kaolin and other earth grinding, 1; lock and gun smithing, 2; lumber and other mill products from logs or bolts, 1; marble and stone work, 1; mattresses and spring beds, 1; monuments and tombstones, 1; oil, lubricating, 1; paints, 1; paper hangings, 1; patent medicines and compounds, 2; photography, 2; sewing machine repairing, 2; shipbuilding, 1; stamped ware, 1; type founding, 1; window shades, 2.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHATTANOOGA, TENN.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecoworkers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
26	Plumbing and gas fitting	96	$36,349			2	$162				
27	Printing and publishing, newspapers and periodicals. (See also Printing and publishing, book and job.)	132	64,398	7	$4,836			6	$5,610	11	$4,086
28	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	23	12,578								
29	Saddlery and harness	9	6,276			3	676	8	11,600		
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	65	32,327			3	504				
31	Watch, clock, and jewelry repairing	9	8,951								
32	All other industries	1,096	462,033	32	7,365	15	2,307	52	16,420	35	3,981

CHELSEA, MASS.—Continued.

1	All industries	1,763	985,527	483	129,309	12	1,016	319	145,202	396	121,991
2	Baskets and rattan and willow ware	22	9,970	5	1,120						
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	19	10,718								
4	Boots and shoes, custom work and repairing	16	7,690					2	1,000		
5	Bread and other bakery products	51	31,554	7	1,860						
6	Carpentering	104	68,924								
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	9	6,656								
8	Clothing, men's, custom work and repairing	11	5,249	6	2,404			6	4,024	8	2,232
9	Clothing, men's, factory product	7	2,400	30	8,580			27	2,600	74	19,650
10	Clothing, women's, dressmaking			88	22,322						
11	Confectionery	6	3,592	6	1,606						
12	Dentistry, mechanical	3	1,300								
13	Foundry and machine shop products	148	109,478					175	86,691		
14	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Furniture, factory product; Mattresses and spring beds.)	6	3,202	2	616			1	300		
15	Grease and tallow. (See also Soap and candles.)	10	10,096								
16	Leather, tanned and curried	18	11,213								
17	Looking-glass and picture frames	6	3,636								
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts.)	60	36,450								
19	Masonry, brick and stone. (See also Plastering and stuccowork.)	20	14,324								
20	Millinery, custom work			17	5,900						
21	Painting and paper hanging	45	30,522					5	5,200		
22	Plastering and stuccowork (See also Masonry, brick and stone.)	5	4,041								
23	Plumbing and gas fitting	34	22,801	1	416						
24	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	3,670	2	241	1	120				
25	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	11	5,780	4	1,690						
26	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	26	17,755								
27	Rubber and elastic goods	466	228,998	173	52,400			20	13,419	192	67,390
28	Saddlery and harness	4	3,148	1	400						
29	Soap and candles. (See also Grease and tallow.)	6	2,850								
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	10	7,100								
31	Tobacco, cigars and cigarettes	2	800					7	3,900	32	7,300
32	Varnish. (See also Paints.)	9	6,400								
33	Watch, clock, and jewelry repairing	5	3,466								
34	All other industries	607	321,304	141	29,754	11	1,796	76	27,768	90	25,419

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHATTANOOGA, TENN.—Continued.

AVERAGE NUMBER OF EMPLOYES AND TOTAL WAGES—continued.		COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
.....	.....	$87,178	$80,940	$30	.....	.....	$6,208	$166,100	.....	$166,100	26
.....	.....	62,536	57,371	495	.....	.....	4,670	241,853	$241,353	500	27
.....	.....	59,062	58,047	220	.....	.....	1,695	89,162	76,247	12,915	28
.....	.....	30,026	29,306	.....	.....	.....	720	73,009	67,489	5,520	29
.....	.....	71,293	68,099	489	.....	.....	2,675	153,187	27,237	125,950	30
.....	.....	4,049	3,219	25	.....	.....	805	24,650	.....	24,650	31
15	$180	1,036,864	920,459	27,922	$185	$5,623	82,675	2,366,234	2,145,882	220,352	32

CHELSEA, MASS.—Continued.

4	1,000	4,681,291	4,044,919	90,657	3,411	37,697	504,607	8,158,207	7,227,246	930,961	1
.....	.....	5,378	4,755	73	100	.....	450	31,529	30,854	675	2
.....	.....	18,475	16,891	648	.....	.....	936	48,193	3,843	44,350	3
.....	.....	10,470	8,694	311	.....	.....	1,465	39,725	8,390	31,335	4
.....	.....	133,410	126,114	4,301	.....	760	2,235	233,554	224,609	8,945	5
.....	.....	90,704	73,855	159	240	.....	16,450	226,290	153,550	72,740	6
.....	.....	7,235	6,755	280	.....	.....	200	23,001	7,301	15,700	7
.....	.....	17,520	15,832	276	.....	.....	1,412	46,173	33,041	13,132	8
.....	.....	9,948	9,000	342	196	.....	410	63,003	57,058	5,945	9
.....	.....	6,437	.....	782	.....	.....	5,655	81,743	54,078	27,665	10
.....	.....	13,609	9,559	350	.....	.....	3,700	31,804	28,604	3,200	11
.....	.....	1,972	1,575	77	.....	.....	320	8,250	5,850	2,400	12
.....	.....	135,120	106,647	17,598	150	25	10,700	472,300	457,200	15,100	13
.....	.....	5,897	4,379	98	.....	.....	1,420	19,200	9,200	10,000	14
.....	.....	88,266	87,261	645	.....	.....	360	124,828	124,828	.....	15
.....	.....	63,450	61,750	1,250	.....	.....	450	86,060	83,760	2,300	16
.....	.....	7,487	6,160	27	.....	.....	1,300	15,080	14,700	380	17
.....	.....	59,440	50,500	2,000	940	.....	6,000	133,500	125,000	8,500	18
.....	.....	12,818	12,248	10	.....	.....	560	35,300	17,800	17,500	19
.....	.....	14,117	11,027	125	.....	.....	2,965	48,300	42,900	5,400	20
.....	.....	23,493	19,394	124	.....	.....	3,975	97,245	37,839	59,406	21
.....	.....	2,145	1,535	10	.....	.....	600	10,690	2,290	8,400	22
.....	.....	26,844	21,164	609	.....	.....	5,071	84,235	18,480	65,755	23
.....	.....	4,323	3,811	269	.....	.....	243	21,000	19,780	1,220	24
.....	.....	3,179	2,664	.....	150	.....	365	17,403	17,403	.....	25
.....	.....	60,938	56,179	704	.....	.....	4,055	111,072	51,000	60,072	26
.....	.....	1,891,427	1,502,480	25,569	325	11,025	352,028	2,796,649	2,564,372	232,277	27
.....	.....	1,567	1,194	23	.....	.....	350	7,620	2,370	5,250	28
.....	.....	7,930	6,470	260	.....	.....	1,200	17,400	16,500	900	29
.....	.....	4,225	3,527	166	.....	.....	532	20,890	2,545	18,345	30
.....	.....	22,825	21,210	160	.....	.....	1,455	66,293	65,457	836	31
.....	.....	39,930	35,250	700	.....	30	3,950	60,250	56,250	4,000	32
.....	.....	2,447	2,200	47	.....	.....	200	10,100	.....	10,100	33
4	1,000	1,888,265	1,754,839	32,664	1,310	25,857	73,595	3,069,527	2,890,394	179,133	34

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHESTER, PA.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
1	All industries	201	$496,600	$9,397,032	$933,685	$1,340,944	$2,639,755	$1,029,535	$1,627,692	$1,825,422
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	11	5,450	17,794	4,310	4,090	2,649	1,850	1,495	3,400
3	Boots and shoes, custom work and repairing	5	4,000	1,075	.....	.....	425	260	185	205
4	Bottling. (See also Mineral and soda waters.)	4	7,800	10,367	.....	.....	8,500	628	339	900
5	Bread and other bakery products	13	19,000	51,888	7,550	27,500	6,250	8,320	518	1,650
6	Carpentering	10	5,800	149,850	1,000	700	5,000	25,750	49,000	68,400
7	Carpets, rag	3	2,500	6,125	2,000	2,000	725	450	650	300
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	2,500	46,597	7,475	11,000	4,683	7,139	9,941	6,359
9	Clothing, men's, custom work and repairing	9	29,000	16,000	.....	.....	1,525	10,450	2,000	2,025
10	Clothing, women's, dressmaking	18	10,200	2,105	.....	.....	1,540	.....	306	259
11	Coffins and burial cases, trimming and finishing	4	500	42,150	27,200	8,300	2,800	1,900	1,450	500
12	Confectionery	6	19,400	8,035	200	1,100	4,370	1,185	680	500
13	Cotton goods	11	86,500	3,248,823	191,000	478,920	1,090,111	405,943	500,106	582,734
14	Foundry and machine shop products	6	1,950	836,243	80,500	123,400	179,122	68,400	162,669	222,152
15	Furniture, cabinetmaking, repairing and upholstering.	4	3,000	26,075	10,200	7,800	1,700	1,010	3,550	1,815
16	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts.)	3	6,900	63,089	13,500	10,000	11,000	6,000	5,500	17,089
17	Masonry, brick and stone. (See also Plastering and stuccowork.)	3	1,100	4,425	1,500	600	950	75	650	650
18	Millinery, custom work	6	9,000	37,190	16,000	9,000	240	9,700	2,250	.....
19	Painting and paper hanging	7	4,850	36,850	9,250	4,900	1,900	10,950	2,000	7,350
20	Photography	4	7,600	16,315	6,000	4,000	4,600	835	405	475
21	Plumbing and gas fitting	9	8,200	50,750	4,800	9,300	5,875	14,825	3,200	12,750
22	Printing and publishing, newspapers and periodicals.	7	25,000	57,211	6,700	3,875	37,500	1,150	564	7,422
23	Saddlery and harness	4	4,200	30,800	15,000	5,500	750	1,400	5,500	2,650
24	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	6	4,200	53,413	15,300	13,500	5,400	4,900	5,113	9,200
25	Tobacco, cigars and cigarettes	7	11,000	12,765	1,700	2,900	805	3,250	3,460	650
26	Woolen goods	4	37,300	1,062,108	25,000	115,000	320,000	94,837	442,515	64,756
27	Worsted goods	4	82,450	566,035	18,000	23,000	214,028	101,701	140,769	68,537
28	All other industries (a)	29	97,200	2,943,455	469,500	474,550	727,207	246,627	282,877	742,694

CHICAGO, ILL.

1	All industries	9,977	72,716,486	359,739,598	50,643,484	45,308,301	70,449,578	37,415,820	56,427,951	99,494,464
2	Agricultural implements	6	53,000	28,468,543	1,078,000	1,566,087	1,248,070	1,839,814	3,285,200	19,451,366
3	Artificial feathers and flowers. (See also Millinery and lace goods.)	6	56,000	60,950	.....	.....	5,950	22,000	12,250	20,750
4	Artificial limbs. (See also Surgical appliances.)	4	13,825	4,006	.....	.....	1,200	700	800	1,306
5	Awnings, tents, and sails	19	182,250	237,563	.....	.....	18,655	97,600	45,015	76,293
6	Axle grease	3	2,000	153,200	44,000	22,000	17,500	16,200	22,500	31,000
7	Babbitt metal and solder	3	30,075	23,690	.....	.....	7,300	4,190	2,300	9,900
8	Bags, other than paper	4	113,700	280,493	.....	.....	45,318	34,384	59,797	90,994
9	Baking and yeast powders	11	304,750	998,400	60,000	20,000	82,900	233,400	189,600	412,500
10	Baskets and rattan and willow ware	7	42,850	42,675	6,500	4,000	1,080	5,205	11,035	14,855
11	Belting and hose, leather	3	127,900	371,100	.....	.....	58,000	60,600	82,500	170,000
12	Bicycles and tricycles	4	201,400	537,100	.....	100,000	129,000	43,300	122,800	142,000
13	Billiard tables and materials	5	97,500	747,140	60,000	40,000	111,515	117,025	127,575	291,025
14	Blacking. (See also Cleansing and polishing preparations.)	3	16,000	15,100	.....	.....	4,700	1,300	1,600	7,500
15	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	478	948,500	1,088,857	428,150	244,325	115,155	69,553	54,653	177,021
16	Bookbinding and blank-book making. (See also Printing and publishing.)	38	836,500	792,580	5,500	23,000	333,650	107,615	134,865	187,950
17	Boot and shoe cut stock	7	104,250	113,450	2,000	1,000	25,100	23,600	29,150	32,600
18	Boot and shoe uppers	6	40,000	28,580	600	400	3,035	11,020	2,225	11,300
19	Boots and shoes, custom work and repairing	754	1,516,250	627,729	185,350	144,580	67,185	41,560	76,516	112,538
20	Boots and shoes, factory product	44	531,700	3,133,289	194,800	199,500	522,165	355,733	694,602	1,166,489
21	Bottling. (See also Liquors, malt; Mineral and soda waters.)	12	39,000	50,415	6,500	10,500	10,050	6,840	1,275	15,250
22	Boxes, cigar	6	60,100	128,950	15,000	12,000	22,925	31,510	2,015	45,500
23	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	19	314,775	506,219	128,000	44,000	93,400	83,850	46,750	110,219
24	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	14	186,000	1,336,655	162,750	267,250	281,850	278,355	35,125	311,325
25	Brass castings and brass finishing. (See also Bronze castings; Plumbers' supplies.)	25	255,700	533,381	19,100	25,604	214,288	69,552	64,253	140,584

a Embraces awnings, tents, and sails, 1; belting and hose, leather, 1; boxes, wooden packing, 1; brass castings and brass finishing, 1; brick and tile, 1; chemicals, 1; coffee and spice, roasting and grinding, 1; cutlery and edge tools, 1; dentistry, mechanical, 2; dye stuffs and extracts, 1; gas, illuminating and heating, 1; hats and caps, not including wool hats, 1; iron and steel, 2; lumber and other mill products from logs or bolts, 2; marble and stone work, 2; mineral and soda

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHESTER, PA.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$608,831	$49,724	$29,322	$34,508	$84,113	$89,370	$108,711	$213,083	6,850	$3,104,049	262	$285,956	20	$10,752	1
756	652	79	5	20	.....	.....	.....	18	8,325	5	2,322	.....	.....	2
472	439	.....	3	.....	.....	.....	30	9	3,447	2	650	.....	.....	3
4,163	780	85	48	.....	.....	.....	3,250	14	8,064	4	3,028	.....	.....	4
5,785	2,110	365	150	150	.....	.....	3,010	35	19,633	6	4,144	.....	.....	5
82,454	692	12	380	.....	78,970	.....	2,400	138	105,813	11	10,753	.....	.....	6
491	250	29	12	.....	.....	.....	200	10	4,712	.....	.....	.....	.....	7
2,919	300	348	275	400	.....	452	1,144	44	19,227	8	5,256	.....	.....	8
3,649	3,468	85	61	.....	.....	.....	35	53	25,374	8	5,780	.....	.....	9
1,247	1,227	.....	.....	.....	.....	.....	20	54	13,574	.....	.....	17	5,364	10
913	60	43	10	.....	.....	.....	800	13	7,058	4	3,014	.....	.....	11
2,869	1,546	39	50	.....	.....	.....	1,234	21	10,569	7	4,234	.....	.....	12
151,597	8,500	10,029	12,651	26,013	.....	37,761	56,643	2,360	798,623	31	33,708	1	250	13
37,857	200	2,211	1,546	14,420	.....	8,480	11,000	537	323,935	21	24,906	2	1,016	14
1,160	300	158	77	25	.....	.....	600	16	7,539	4	2,404	.....	.....	15
2,130	800	230	850	250	.....	.....	.....	41	24,753	5	3,840	.....	.....	16
657	132	15	10	.....	.....	.....	500	60	44,105	3	3,235	.....	.....	17
1,561	1,080	277	129	25	.....	.....	50	32	10,510	2	1,416	7	3,522	18
1,840	582	212	96	.....	.....	.....	950	47	32,330	6	4,990	.....	.....	19
1,005	762	102	41	100	.....	.....	.....	10	4,673	3	1,768	.....	.....	20
2,709	984	178	157	40	.....	.....	1,350	49	28,690	9	7,704	.....	.....	21
10,180	2,464	225	253	260	.....	252	6,726	71	40,473	7	9,080	1	400	22
699	420	190	44	25	.....	.....	20	10	6,455	4	2,930	.....	.....	23
2,152	504	233	115	100	.....	.....	1,200	32	18,814	4	3,350	.....	.....	24
3,600	1,110	2,286	100	.....	.....	.....	104	26	11,488	6	3,294	.....	.....	25
48,878	3,617	2,168	5,208	13,474	.....	13,007	11,404	639	236,866	16	18,300	.....	.....	26
60,376	8,000	1,250	3,479	6,000	.....	2,109	39,538	748	253,857	13	14,181	1	200	27
176,712	8,745	8,473	8,758	22,811	10,400	46,650	70,875	1,754	1,035,142	73	111,666	.....	.....	28

CHICAGO, ILL.

43,235,427	5,473,614	9,956,604	1,706,946	2,224,871	2,227,540	3,050,993	18,584,829	210,366	123,955,001	17,595	18,743,078	2,150	1,142,001	1
2,152,356	3,970	37,983	13,382	45,335	.....	32,264	2,019,422	3,945	1,971,309	246	205,780	27	14,634	2
5,031	3,910	306	280	.....	.....	.....	535	86	40,174	8	9,850	.....	.....	3
2,230	1,106	17	28	10	.....	.....	1,069	9	11,576	5	6,180	.....	.....	4
24,200	16,403	823	2,019	1,235	.....	900	2,820	281	158,246	31	28,848	.....	.....	5
11,183	200	1,192	541	225	.....	.....	9,025	48	40,990	21	26,250	.....	.....	6
2,996	2,406	107	83	350	.....	.....	50	15	9,578	4	4,040	1	546	7
15,395	8,530	1,225	1,510	350	.....	2,800	980	130	58,842	13	14,540	2	1,040	8
361,746	24,580	3,679	4,827	6,135	.....	925	321,600	474	265,360	91	118,476	10	3,870	9
4,812	3,855	193	307	.....	.....	.....	457	93	50,928	8	7,368	.....	.....	10
16,045	8,955	200	1,540	4,150	.....	.....	1,200	111	73,667	22	22,826	1	720	11
81,300	14,100	8,650	4,650	9,500	.....	.....	44,400	667	378,792	39	46,529	2	1,000	12
56,736	7,800	11,540	3,496	10,300	.....	2,100	21,500	559	368,660	50	58,502	1	320	13
1,088	1,280	89	119	.....	.....	.....	200	40	21,960	11	11,800	3	1,300	14
111,958	85,354	6,237	3,058	3,957	.....	524	12,828	1,396	1,047,466	511	420,223	2	1,332	15
91,260	50,194	2,030	9,181	1,500	.....	1,500	26,855	938	525,373	80	100,123	12	6,109	16
10,834	7,300	188	559	850	.....	12	1,925	115	57,860	12	11,015	.....	.....	17
3,723	2,400	152	273	150	.....	.....	748	46	25,713	12	8,196	.....	.....	18
150,435	121,300	3,836	4,044	2,101	.....	254	18,900	1,338	707,230	669	360,446	5	2,920	19
294,132	33,763	12,650	14,770	36,944	.....	1,175	194,830	3,439	1,749,095	101	107,569	17	6,816	20
7,528	3,118	422	106	800	.....	.....	2,992	44	27,924	12	11,744	.....	.....	21
13,223	4,808	725	910	1,080	.....	700	5,000	204	93,018	13	16,400	.....	.....	22
42,190	22,034	2,516	2,898	6,192	.....	3,340	5,210	1,048	349,894	39	41,441	7	3,720	23
89,105	16,740	10,187	16,541	12,013	.....	1,600	32,024	1,321	705,136	51	61,410	1	200	24
47,156	23,013	2,126	3,370	5,031	.....	3,718	9,898	595	384,475	60	75,480	4	1,930	25

waters, 1; monuments and tombstones, 1; plastering and stuccowork, 2; roofing and roofing materials, 2; shipbuilding, 2; shoddy, 1; slaughtering and meat packing, wholesale, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHESTER, PA.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
1	All industries	3,901	$1,961,578	1,285	$354,293	544	$95,818	363	$217,808	461	$177,484
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	11	5,753					2	250		
3	Boots and shoes, custom work and repairing	5	2,410					2	387		
4	Bottling. (See also Mineral and soda waters.)	9	4,636					1	400		
5	Bread and other bakery products	26	14,781	2	508					1	200
6	Carpentering	127	95,060								
7	Carpets, rag	7	3,996	1	312	1	104	1	300		
8	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	35	13,931	1	40						
9	Clothing, men's, custom work and repairing	18	10,528	21	6,486			3	1,800	3	780
10	Clothing, women's, dressmaking			36	8,054					1	150
11	Coffins and burial cases, trimming and finishing	6	3,164	1	400			2	480		
12	Confectionery	11	5,960	2	300					1	75
13	Cotton goods	932	369,618	868	250,206	294	49,128	94	35,172	147	60,181
14	Foundry and machine shop products	493	286,433	1	300			20	11,280		
15	Furniture, cabinetmaking, repairing and upholstering.	9	4,560	1	350			1	300	1	125
16	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Lumber and other mill products from logs or bolts.)	36	20,913								
17	Masonry, brick and stone. (See also Plastering and stucco work.)	57	40,870								
18	Millinery, custom work			23	5,572						
19	Painting and paper hanging	41	27,340								
20	Photography	4	2,420	1	260	1	125	1	100		
21	Plumbing and gas fitting	39	20,786					1	200		
22	Printing and publishing, newspapers and periodicals.	58	29,776	4	1,092	1	125				
23	Saddlery and harness	6	3,525								
24	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	26	14,970					2	494		
25	Tobacco, cigars and cigarettes	13	6,460	3	514	3	520	1	700		
26	Woolen goods	259	114,192	111	35,071	88	16,154	34	10,058	131	43,091
27	Worsted goods	193	87,638	198	42,592	154	29,167	10	7,200	179	72,876
28	All other industries	1,480	772,058	11	2,236	2	495	188	148,687		

CHICAGO, ILL.—Continued.

1	All industries	145,526	85,443,557	17,959	5,625,851	2,364	435,270	18,783	10,786,799	5,861	1,736,784
2	Agricultural implements	2,420	1,269,160	22	6,201			1,020	419,534	200	56,000
3	Artificial leathers and flowers. (See also Millinery and lace goods.)	12	6,368	27	8,180			30	12,500	9	3,276
4	Artificial limbs. (See also Surgical appliances.)	4	5,396								
5	Awnings, tents, and sails	123	81,294	86	20,254	1	130	10	7,800	30	10,920
6	Axle grease	24	13,960	3	780						
7	Babbitt metal and solder	10	4,992								
8	Bags, other than paper	34	19,856	81	23,406						
9	Baking and yeast powders	171	87,052	161	44,262			31	9,100	10	2,600
10	Baskets and rattan and willow ware	71	37,840	2	520			10	4,940		
11	Belting and hose, leather	88	50,121								
12	Bicycles and tricycles	575	314,473			31	6,390	20	10,400		
13	Billiard tables and materials	505	309,240	2	365	1	233				
14	Blacking. (See also cleansing and polishing preparations.)	13	5,460	9	2,800	4	600				
15	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	868	617,560	1	192	5	850	9	7,300		
16	Bookbinding and blank-book making. (See also Printing and publishing.)	555	323,612	266	89,937	24	4,772	1	520		
17	Boot and shoe cut stock	87	44,174	16	2,671						
18	Boot and shoe uppers	14	7,488	6	1,716			14	8,313		
19	Boots and shoes, custom work and repairing	502	259,367	8	3,044	1	182	153	81,271		
20	Boots and shoes, factory product	1,979	1,154,229	1,009	333,080	14	2,398	254	125,748	65	19,255
21	Bottling. (See also Liquors, malt; Mineral and soda waters.)	31	15,980			1	200				
22	Boxes, cigar	66	35,884	49	15,354	8	1,040	24	11,000	44	13,340
23	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	231	97,081	260	61,550	31	4,102	15	4,244	444	134,126
24	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	1,103	591,836	19	3,936	104	21,840	43	25,914		
25	Brass castings and brass finishing. (See also Bronze castings; Plumbers' supplies.)	495	291,022	19	6,396	7	1,066	10	8,572		

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHESTER, PA.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.		COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
2	$360	$6,844,825	$6,252,030	$169,183	$11,236	$69,942	$342,434	$11,864,899	$11,061,499	$803,400	1
.....	.....	4,084	3,638	226	.....	.....	220	14,415	11,965	2,450	2
.....	.....	1,809	1,800	9	.....	.....	.....	6,686	4,241	2,445	3
.....	.....	16,343	16,118	.....	.....	.....	225	33,790	33,790	.....	4
.....	.....	55,240	51,633	1,947	.....	.....	1,660	89,333	86,667	2,666	5
.....	.....	238,515	238,515	.....	.....	.....	.....	463,835	461,235	2,600	6
.....	.....	4,762	4,622	.....	.....	.....	140	11,282	11,282	.....	7
.....	.....	16,565	12,675	268	.....	.....	3,622	45,287	14,000	31,287	8
.....	.....	30,495	30,130	65	.....	.....	300	63,005	61,705	1,300	9
.....	.....	40	.....	15	.....	.....	25	19,395	18,895	500	10
.....	.....	7,600	7,600	.....	.....	.....	.....	22,550	22,550	.....	11
.....	.....	20,516	18,825	455	.....	.....	1,236	36,472	32,472	4,000	12
2	360	1,687,231	1,559,894	40,700	.....	57,757	28,880	2,960,224	2,900,224	60,000	13
.....	.....	694,145	479,027	23,875	700	7,450	183,093	1,143,261	1,134,861	8,400	14
.....	.....	9,165	9,158	7	.....	.....	.....	22,345	21,770	575	15
.....	.....	47,435	46,760	450	.....	25	200	81,700	75,700	6,000	16
.....	.....	110,100	110,100	.....	.....	.....	.....	164,118	163,918	200	17
.....	.....	18,000	18,000	.....	.....	.....	.....	39,580	39,580	.....	18
.....	.....	19,690	19,600	90	.....	.....	.....	63,420	60,220	3,200	19
.....	.....	2,753	2,353	.....	.....	.....	400	11,827	11,827	.....	20
.....	.....	38,245	37,978	167	.....	.....	100	79,000	77,000	2,000	21
.....	.....	15,689	13,681	97	1,226	.....	685	75,474	74,949	525	22
.....	.....	6,210	6,210	.....	.....	.....	.....	15,000	15,000	.....	23
.....	.....	13,831	13,449	182	.....	.....	200	44,400	44,300	100	24
.....	.....	8,956	8,043	.....	.....	.....	913	29,347	29,347	.....	25
.....	.....	496,525	438,258	11,522	.....	.....	46,745	916,401	621,927	294,474	26
.....	.....	811,630	770,322	4,500	9,310	.....	27,498	1,249,865	920,346	329,519	27
.....	.....	2,468,351	2,332,741	84,608	.....	4,710	46,292	4,162,887	4,111,728	51,159	28

CHICAGO, ILL.—Continued.

188	41,661	409,493,027	372,314,668	6,282,127	312,950	474,061	30,108,321	664,567,923	641,931,735	22,636,188	1
.....	.....	4,993,877	3,600,614	93,460	770	.....	1,293,033	11,883,976	10,946,599	937,377	2
.....	.....	102,290	87,400	90	.....	.....	14,800	179,250	177,000	2,250	3
.....	.....	7,140	6,940	.....	.....	.....	200	25,000	24,000	1,000	4
.....	.....	415,566	403,148	918	1,000	100	10,400	720,622	710,162	10,460	5
.....	.....	133,800	114,150	650	.....	.....	19,000	290,000	250,000	40,000	6
.....	.....	43,174	42,500	420	.....	86	168	69,680	67,880	1,800	7
.....	.....	671,990	659,010	900	420	10	11,650	825,006	820,006	5,000	8
.....	.....	1,706,204	1,419,954	6,450	2,800	.....	277,000	2,767,840	2,714,840	53,000	9
2	260	42,620	35,410	.....	150	.....	7,060	119,550	115,950	3,600	10
.....	.....	365,340	361,500	2,500	840	.....	500	540,500	539,000	1,500	11
.....	.....	246,256	203,420	4,536	.....	1,800	36,500	820,000	819,000	1,000	12
.....	.....	673,915	613,900	3,255	.....	150	56,610	1,296,000	1,296,000	.....	13
.....	.....	20,181	23,456	75	150	.....	5,500	64,500	64,500	.....	14
.....	.....	462,495	411,298	25,570	516	30	25,081	2,057,962	1,557,830	500,132	15
.....	.....	535,116	451,687	2,388	5,080	1,100	74,861	1,463,652	1,454,277	9,375	16
.....	.....	579,805	574,800	600	870	65	3,470	745,224	745,224	.....	17
.....	.....	38,177	37,572	.....	300	.....	305	77,533	77,533	.....	18
.....	.....	407,067	369,750	3,219	.....	28	34,070	1,514,604	955,593	559,011	19
.....	.....	3,977,429	3,785,534	16,253	8,520	.....	167,122	7,257,034	7,230,414	26,620	20
.....	.....	84,196	82,382	389	.....	.....	1,425	157,696	157,696	.....	21
.....	.....	116,541	104,210	970	644	.....	10,717	270,190	265,190	5,000	22
21	3,570	420,940	391,940	2,100	2,497	458	23,945	946,668	946,668	.....	23
.....	.....	1,590,980	1,510,319	1,341	2,530	10,000	66,790	2,835,830	2,815,090	20,740	24
.....	.....	707,425	671,364	16,747	6,009	6,440	6,865	1,409,023	1,362,873	46,150	25

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHICAGO, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
26	Brassware	8	$34,550	$23,625	.....	.....	$10,300	$2,600	$3,575	$7,150
27	Bread and other bakery products	335	1,526,350	2,526,078	$690,800	$524,316	483,675	317,612	76,899	432,776
28	Brick and tile. (See also Clay and pottery products.)	68	483,350	3,461,249	1,155,400	449,850	773,657	145,452	538,240	308,650
29	Bridges	9	94,000	1,354,000	127,000	130,000	455,000	94,500	131,000	416,500
30	Brooms and brushes	39	151,000	436,906	16,300	16,300	24,910	118,612	121,510	139,274
31	Buttons	4	37,300	42,725	.....	.....	25,650	4,300	7,675	5,100
32	Carpentering	500	683,600	3,229,376	382,100	205,775	221,873	229,828	735,108	1,454,692
33	Carpets, rag	20	25,550	30,832	11,000	9,000	2,685	2,434	2,147	3,566
34	Carriage and wagon materials	7	20,275	28,975	12,600	3,600	2,950	1,990	2,610	5,225
35	Carriages and sleds, children's	5	90,000	308,529	41,000	42,106	43,137	25,592	57,184	99,510
36	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	116	739,250	3,719,845	862,925	574,449	307,549	480,877	559,955	934,990
37	Cars and general shop construction and repairs by steam railroad companies.	17	.....	5,398,439	2,103,525	1,164,534	708,126	712,632	709,622	.....
38	Cars and general shop construction and repairs by street railroad companies.	3	.....	1,109,500	422,000	453,000	74,250	68,200	92,050	.....
39	Cars, steam railroad, not including operations of railroad companies.	7	177,700	8,840,336	320,322	2,003,685	2,160,907	1,938,901	1,293,823	1,122,692
40	Cheese and butter, urban dairy product	3	10,700	2,106	.....	.....	1,306	100	200	500
41	Chemicals. (See also Fertilizers; Paints; Varnish.)	29	260,000	1,419,860	326,700	174,300	183,425	167,180	236,099	332,156
42	Clay and pottery products. (See also Brick and tile.)	8	178,900	386,522	16,300	13,700	90,825	13,891	77,758	174,048
43	Cleansing and polishing preparations. (See also Blacking.)	4	40,000	43,460	.....	.....	5,310	10,500	11,150	16,500
44	Clothing, men's, custom work and repairing	760	4,986,500	3,389,139	307,550	258,800	127,037	1,496,711	303,417	895,624
45	Clothing, men's, factory product	186	6,822,200	12,742,325	148,100	105,314	176,445	1,650,337	4,777,187	5,875,942
46	Clothing, men's, factory product, buttonholes	3	2,550	560	.....	.....	560	.....	.....	.....
47	Clothing, women's, dressmaking	686	1,406,700	807,602	211,300	170,200	66,795	236,194	83,706	129,407
48	Clothing, women's, factory product	71	1,774,800	2,793,112	105,500	103,500	106,757	510,825	682,705	1,283,875
49	Coffee and spice, roasting and grinding	12	566,300	1,838,708	30,000	145,000	134,100	590,384	182,741	756,483
50	Coffins and burial cases, trimming and finishing	62	164,700	278,882	74,450	73,100	20,593	23,090	18,419	69,230
51	Coffins, burial cases, and undertakers' goods	9	142,000	814,650	100,000	162,000	89,400	57,750	179,700	225,800
52	Confectionery	47	1,024,700	1,440,993	302,500	172,300	221,581	172,180	201,232	371,200
53	Cooperage	47	114,000	1,142,094	360,625	244,500	119,575	170,835	55,175	191,384
54	Cork, cutting	5	100,000	107,850	.....	.....	21,850	29,800	18,900	37,300
55	Corsets	7	76,550	91,250	.....	.....	26,560	11,325	31,435	21,930
56	Cutlery and edge tools. (See also Hardware; Saws; Tools, not elsewhere specified.)	6	9,000	221,230	25,400	25,600	73,000	16,420	50,630	30,180
57	Dentistry, mechanical	266	1,219,550	324,225	19,150	14,350	139,835	25,821	16,269	103,800
58	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	65	220,200	323,038	61,000	47,100	11,028	41,985	55,280	106,645
59	Dyeing and cleaning	28	151,500	142,267	42,500	41,500	21,505	5,960	8,850	21,952
60	Dyeing and finishing textiles	3	13,000	26,500	3,500	6,000	11,000	2,000	1,000	3,000
61	Electrical apparatus and supplies	9	209,000	375,400	.....	.....	99,100	49,525	67,675	159,100
62	Electroplating	16	65,600	142,445	50,000	10,000	44,750	14,375	2,320	21,000
63	Engravers' materials	3	20,000	32,200	.....	.....	9,700	3,100	4,100	15,300
64	Engraving and diesinking	21	207,350	105,386	250	250	49,275	8,651	9,095	37,865
65	Engraving, steel, including plate printing. (See also Lithographing and engraving; Photo-lithographing and engraving.)	6	42,300	20,298	.....	.....	9,600	2,250	1,025	7,423
66	Engraving, wood	18	121,750	37,443	.....	.....	21,173	1,120	2,300	12,850
67	Envelopes	3	32,500	46,900	.....	.....	33,000	3,000	2,400	8,500
68	Fancy articles, not elsewhere specified	16	57,650	40,615	.....	240	3,770	11,230	14,255	11,120
69	Fertilizers. (See also Chemicals.)	3	42,500	906,644	55,867	99,582	91,300	105,000	154,429	400,466
70	Fire extinguishers, chemical	3	17,000	81,400	.....	.....	5,300	2,200	12,400	61,500
71	Flavoring extracts	5	67,000	93,700	.....	2,500	12,200	16,700	38,500	23,800
72	Flouring and grist mill products	16	18,650	1,880,238	676,400	459,700	331,300	181,710	58,310	172,818
73	Food preparations. (See also Fruits and vegetables, canning and preserving.)	20	190,000	343,270	9,000	38,000	67,750	41,335	37,935	149,250
74	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	213	2,402,000	22,410,275	2,950,904	2,640,033	5,149,407	1,896,524	2,518,734	7,254,673
75	Fur goods. (See also Hats and caps, not including wool hats.)	31	876,400	667,610	50,000	50,000	15,010	224,300	248,200	79,200
76	Furnishing goods, men's. (See also Shirts.)	22	684,150	854,084	18,000	17,000	32,210	296,068	172,406	318,400
77	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	101	389,750	760,526	163,400	164,600	49,200	239,959	55,435	87,842
78	Furniture, chairs	8	130,000	527,103	70,000	86,000	69,425	62,450	119,550	119,678
79	Furniture, factory product	149	2,311,516	7,567,730	946,000	1,029,200	790,420	992,705	1,637,375	2,172,030
80	Galvanizing	3	57,000	173,500	8,000	6,000	32,000	39,500	5,000	83,000
81	Gas and lamp fixtures. (See also Lamps and reflectors.)	5	170,000	605,902	.....	.....	38,699	36,753	53,597	476,853
82	Gas, illuminating and heating	4	192,300	40,851,246	11,950,000	7,800,000	19,440,060	247,962	17,000	1,396,224
83	Gas machines and meters	4	33,000	33,100	.....	.....	4,000	10,500	3,100	15,500
84	Glass, cutting, staining, and ornamenting	23	254,450	351,658	13,300	40,700	40,250	79,225	31,590	146,593
85	Gloves and mittens. (See also Hosiery and knit goods.)	9	60,750	77,555	4,500	2,900	9,500	10,605	15,850	34,200
86	Gold and silver, leaf and foil	4	7,550	25,450	3,600	2,900	6,600	2,400	2,100	7,850
87	Grease and tallow. (See also Axle grease; Soap and candles.)	5	4,000	432,200	151,500	105,000	83,750	9,500	10,450	72,000
88	Hairwork	33	353,500	119,741	3,000	1,500	3,740	45,605	39,555	26,341
89	Hand stamps	9	62,600	38,012	.....	.....	12,950	2,525	7,125	15,412
90	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	27	180,000	2,183,595	342,798	226,399	642,102	189,890	301,003	481,403

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHICAGO, ILL.—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$3,994	$2,764	$62	$201	$525	.....	$50	$392	63	$31,358	14	$9,430	1	$300	26
354,687	122,204	14,048	13,731	22,309	.....	3,868	178,527	2,665	1,525,819	416	354,654	83	33,059	27
173,176	43,495	15,716	5,895	55,251	.....	4,795	48,024	3,156	1,236,878	86	74,945	.....	.....	28
96,237	7,520	1,422	2,495	24,300	.....	700	59,800	884	623,270	38	57,740	1	300	29
25,055	13,581	1,372	2,414	882	.....	852	5,954	504	244,715	58	49,874	1	600	30
2,826	2,240	58	228	165	.....	.....	135	57	21,568	9	9,805	.....	.....	31
179,885	61,522	7,157	7,876	11,652	$11,700	13,392	66,586	6,223	4,053,561	607	588,735	12	8,332	32
2,322	1,700	164	83	14	.....	.....	361	62	26,159	16	7,642	2	884	33
2,259	1,622	159	120	100	.....	.....	258	59	37,632	15	9,956	.....	.....	34
14,690	8,100	885	1,980	625	.....	.....	3,100	458	206,800	17	14,250	5	2,250	35
228,876	59,140	23,596	18,585	22,650	.....	33,582	71,323	2,178	1,459,864	170	202,072	2	900	36
.....	.....	.....	.....	.....	.....	.....	.....	6,082	3,605,602	153	120,750	.....	.....	37
23,060	.....	8,635	7,835	2,900	.....	.....	3,690	365	251,604	2	4,500	.....	.....	38
189,294	16,000	15,135	24,736	3,250	.....	75	130,098	5,878	3,339,495	161	110,420	3	832	39
1,023	852	8	19	.....	.....	.....	144	7	3,284	.....	.....	.....	.....	40
89,113	23,204	4,630	4,978	11,875	.....	2,120	42,306	379	254,660	98	97,845	2	1,624	41
31,531	11,000	726	2,931	5,324	.....	1,200	10,350	402	220,979	11	22,290	.....	.....	42
4,361	3,400	110	151	500	.....	.....	200	41	24,586	10	11,290	.....	.....	43
697,547	448,927	15,125	20,985	4,395	128,250	3,240	76,616	6,352	3,874,947	942	859,730	24	8,752	44
2,710,770	409,331	38,264	75,543	2,805	1,585,956	34,182	564,689	15,616	6,274,482	543	595,182	24	11,114	45
289	204	.....	1	24	.....	.....	60	14	5,232	3	1,540	.....	.....	46
164,990	126,720	5,795	6,205	1,042	.....	306	24,922	2,469	1,005,805	37	23,841	701	367,441	47
600,030	107,102	6,858	17,523	2,821	438,500	2,980	24,246	2,673	1,181,478	124	139,383	36	28,422	48
185,630	39,640	9,120	15,720	9,038	.....	4,363	107,749	486	297,788	150	144,657	2	980	49
20,171	11,527	1,819	1,027	1,358	.....	240	4,170	127	80,371	67	49,248	2	1,020	50
73,685	11,340	4,495	4,250	6,200	.....	12,900	34,500	399	220,092	36	42,526	2	1,500	51
191,371	71,731	7,527	8,372	8,975	.....	5,022	80,744	1,463	600,946	127	125,871	38	14,793	52
58,577	10,314	7,817	6,563	11,405	.....	1,362	21,111	1,208	649,744	58	54,118	2	2,780	53
12,447	6,500	382	765	250	.....	4,000	550	95	49,896	12	17,108	.....	.....	54
6,741	5,356	441	819	.....	.....	.....	125	209	78,922	6	8,350	19	12,750	55
6,401	720	830	1,697	120	.....	2,900	134	225	95,654	11	11,002	.....	.....	56
147,128	109,759	851	1,235	1,279	.....	15	33,980	542	524,758	272	381,516	8	4,052	57
26,858	17,608	1,330	1,679	190	.....	50	6,001	137	76,193	57	42,662	2	610	58
22,498	12,106	1,916	749	2,315	.....	99	5,313	174	85,931	34	26,343	9	3,605	59
1,426	920	61	120	125	.....	.....	200	21	10,424	4	2,032	1	500	60
35,026	14,630	1,105	2,836	5,200	.....	5,020	6,235	283	177,200	30	35,300	5	3,120	61
14,947	5,891	637	446	555	.....	1,216	6,202	175	93,360	21	19,363	2	1,200	62
2,628	1,700	58	130	700	.....	.....	40	30	18,888	6	5,248	.....	.....	63
21,415	16,438	210	721	1,185	.....	230	2,631	230	172,543	36	35,736	4	2,008	64
4,819	3,380	19	75	75	.....	.....	1,270	63	46,123	10	14,204	1	300	65
15,879	9,740	67	384	50	1,000	50	4,588	169	140,582	31	39,369	2	535	66
4,298	2,598	195	335	550	.....	.....	620	100	42,666	6	8,580	1	520	67
6,581	5,185	431	500	5	.....	.....	460	76	32,804	3	3,740	20	9,405	68
52,626	3,400	3,087	10,099	18,523	.....	7,017	10,500	275	198,598	29	56,939	.....	.....	69
2,218	1,340	75	103	100	.....	.....	600	15	11,114	4	6,175	1	600	70
12,263	5,690	273	425	625	.....	80	5,170	55	24,335	11	6,860	.....	.....	71
101,191	1,675	8,173	14,970	14,129	.....	19,394	42,850	301	202,259	46	52,196	3	2,168	72
64,816	17,059	772	3,045	1,450	.....	900	41,590	368	169,350	54	55,059	17	3,192	73
1,834,882	199,370	85,886	70,229	142,806	40,000	111,412	1,185,179	13,130	7,797,613	829	982,073	41	26,288	74
81,208	52,814	2,880	5,294	390	.....	605	19,225	450	292,763	66	85,833	20	13,000	75
104,791	41,048	2,546	16,947	1,050	12,000	.....	31,200	973	419,939	59	70,610	5	3,004	76
66,273	35,113	5,143	10,415	1,337	.....	328	13,937	642	345,830	114	85,057	13	6,340	77
52,070	11,040	2,070	4,710	3,675	14,400	3,750	12,425	589	306,656	41	39,220	1	600	78
529,163	196,489	35,062	73,128	34,148	.....	53,724	136,612	7,706	4,459,959	414	495,064	19	10,149	79
5,952	4,560	292	700	300	.....	.....	100	54	25,065	7	4,965	.....	.....	80
28,570	13,600	2,489	1,225	1,220	.....	661	9,375	198	130,736	23	28,196	.....	.....	81
1,242,453	12,500	106,887	8,642	114,324	.....	1,000,100	.....	1,186	772,916	83	121,200	.....	.....	82
3,513	2,640	111	82	75	.....	.....	605	30	23,493	6	6,136	.....	.....	83
29,134	20,352	1,164	1,808	1,105	.....	502	4,203	600	361,424	44	52,472	4	1,800	84
7,060	4,250	217	316	507	.....	175	1,595	216	73,913	10	9,200	2	676	85
1,282	602	122	58	175	.....	.....	325	90	46,246	4	4,442	2	800	86
14,689	360	2,157	922	9,250	.....	.....	2,000	164	106,408	13	14,100	.....	.....	87
35,897	29,252	388	992	60	.....	150	5,055	236	116,969	29	31,477	19	9,515	88
7,593	5,012	86	333	190	.....	174	1,798	55	40,888	12	14,160	.....	.....	89
268,414	16,149	10,228	14,547	9,790	.....	29,098	188,602	1,704	946,088	119	131,285	6	3,497	90

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHICAGO, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
26	Brassware	46	$21,108					2	$520		
27	Bread and other bakery products	1,693	997,031	389	$111,249	47	$12,510			37	$17,316
28	Brick and tile. (See also Clay and pottery products.)	2,455	950,166			88	12,902	515	194,865		
29	Bridges	845	565,230								
30	Brooms and brushes	115	59,808	107	29,107	8	1,710	138	85,996	33	9,340
31	Buttons	7	4,369	39	6,994	2	400				
32	Carpentering	5,440	3,895,644	4	850	2	180	158	159,820		
33	Carpets, rag	6	3,094					27	11,725	5	1,579
34	Carriage and wagon materials	21	14,560					23	13,116		
35	Carriages and sleds, children's	353	162,300	22	7,800	1	200	60	20,000		
36	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	1,854	1,165,524	21	8,750	1	200	128	81,718	2	700
37	Cars and general shop construction and repairs by steam railroad companies.	5,906	3,467,863	11	3,257	3	820	9	12,972		
38	Cars and general shop construction and repairs by street railroad companies.	363	247,104								
39	Cars, steam railroad, not including operations of railroad companies.	3,398	2,258,025			20	4,800	2,216	1,443,343	80	22,075
40	Cheese and butter, urban dairy product	7	3,284								
41	Chemicals. (See also Fertilizers; Paints; Varnish.)	233	142,469	42	11,846	4	936				
42	Clay and pottery products. (See also Brick and tile.)	386	196,349					5	2,340		
43	Cleansing and polishing preparations. (See also Blacking.)	25	11,496	6	1,800						
44	Clothing, men's, custom work and repairing	2,166	1,342,396	414	137,807	17	3,032	2,209	1,432,444	579	90,636
45	Clothing, men's, factory product	10,854	4,190,431	1,861	505,763	20	3,116	1,361	694,636	940	271,168
46	Clothing, men's, factory product, buttonholes	7	2,860	4	832						
47	Clothing, women's, dressmaking	68	43,825	1,487	488,918	12	1,699	9	3,692	155	71,989
48	Clothing, women's, factory product	520	324,338	1,539	511,232	2	304	157	83,968	283	93,831
49	Coffee and spice, roasting and grinding	245	131,059	28	6,834	8	1,726	20	5,200	33	7,332
50	Coffins and burial cases, trimming and finishing.	58	30,103								
51	Coffins, burial cases, and undertakers' goods	262	144,220	67	22,270	22	4,376	10	5,200		
52	Confectionery	650	313,764	624	147,464	17	2,596			7	2,548
53	Cooperage	722	372,531			12	2,808	410	215,407	4	2,100
54	Cork, cutting	43	23,174	38	9,302	2	312				
55	Corsets	6	3,520	176	53,944	1	208				
56	Cutlery and edge tools. (See also Hardware; Saws; Tools, not elsewhere specified.)	166	73,152	12	2,496	31	5,044	5	3,900		
57	Dentistry, mechanical	145	99,284	99	31,980	14	3,766	4	4,160		
58	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	72	31,563	3	500	3	858				
59	Dyeing and cleaning	83	43,006	44	10,929	1	200	1	660	2	1,248
60	Dyeing and finishing textiles	13	6,956	3	936						
61	Electrical apparatus and supplies	202	117,294	18	5,611	8	275	20	15,600		
62	Electroplating	141	68,102	7	3,744	3	336	1	624		
63	Engravers materials	24	13,640								
64	Engraving and diesinking	169	114,597	3	780	3	512	21	19,000		
65	Engraving, steel, including plate printing. (See also Lithographing and engraving; Photolithographing and engraving.)	35	25,950	15	5,305	2	364				
66	Engraving, wood	191	98,064	1	300	1	150	3	2,164		
67	Envelopes	21	14,586	72	18,980						
68	Fancy articles, not elsewhere specified	6	3,424	10	7,387	1	52			27	8,796
69	Fertilizers. (See also Chemicals.)	246	141,650								
70	Fire extinguishers, chemical	9	4,021	1	315						
71	Flavoring extracts	28	12,660	16	4,875						
72	Flouring and grist mill products	232	141,895	20	6,060						
73	Food preparations. (See also Fruits and vegetables, canning and preserving.)	188	86,088	91	19,013	7	1,398	11	4,000		
74	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	10,805	5,983,598	34	8,516	121	25,684	1,300	771,454		
75	Fur goods. (See also Hats and caps, not including wool hats.)	117	92,791	235	95,803			2	1,124	10	4,212
76	Furnishing goods, men's. (See also Shirts.)	73	62,200	687	230,238	9	1,555	18	8,768	122	43,564
77	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	441	225,999	35	10,270	1	360	13	6,104	25	11,700
78	Furniture, chairs	446	238,840	4	1,736	25	3,900	72	22,360		
79	Furniture, factory product	5,684	3,159,436	118	44,562	93	13,699	1,252	695,639	106	38,410
80	Galvanizing	47	20,100								
81	Gas and lamp fixtures. (See also Lamps and reflectors.)	164	99,972	6	1,580	5	988				
82	Gas, illuminating and heating	1,103	651,716								
83	Gas machines and meters	24	17,357								
84	Glass, cutting, staining, and ornamenting	520	297,228	12	4,174	19	4,950	1	800		
85	Gloves and mittens. (See also Hosiery and knit goods.)	39	21,392	57	17,248			20	8,352	88	17,045
86	Gold and silver, leaf and foil	12	11,272	22	6,332			20	14,560	30	8,840
87	Grease and tallow. (See also Axle grease; Soap and candles.)	135	87,124			16	5,184				
88	Hairwork	15	10,308	111	41,447	2	250	13	7,072	47	16,900
89	Hand stamps	42	26,416	1	312						
90	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	1,320	703,843	52	18,856	13	1,473	194	88,084		

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHICAGO, ILL.—Continued.

Average number of employes and total wages—continued. Piecoworkers—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
		$32,707	$31,337	$60	$510		$800	$78,652	$78,112	$540	26
		3,852,951	3,490,216	100,369		$1,000	261,366	6,816,788	6,789,964	26,824	27
12	$4,000	365,283		307,716			57,567	2,231,316	2,197,864	33,452	28
		1,874,150	1,825,950	23,200			25,000	2,823,537	2,823,537		29
44	8,280	360,956	348,005	794	629		11,528	713,428	703,478	9,950	30
		6,150	5,140	50	310		650	46,860	46,860		31
		6,335,605	5,936,012	3,465	7,344	7,249	381,535	12,751,068	12,326,448	424,620	32
6	1,235	15,634	15,356	88			190	53,949	43,099	10,850	33
		32,581	31,392	64	375		750	84,950	78,000	6,950	34
		299,200	294,500	1,900		2,500	300	594,100	593,100	1,000	35
		1,480,419	1,339,444	22,698	1,700		116,577	3,971,036	3,153,786	817,250	36
		3,227,361	3,125,943	35,991		64,351	1,076	6,964,354	5,690,865	1,273,489	37
		238,511	212,291	7,620		250	18,350	594,854	330,275	264,579	38
		8,590,147	7,831,108	181,032	1,000	67,761	509,246	14,517,719	11,505,248	3,012,471	39
		12,292	11,832				460	21,115	20,115	1,000	40
		685,756	602,711	19,305	2,040	1,550	60,150	1,280,357	1,280,357		41
		139,214	106,723	30,338		1,677	476	438,699	417,354	21,345	42
		32,517	28,397	100	120		3,900	82,375	82,375		43
1	100	4,344,690	3,993,404	6,240	600		344,446	11,002,816	10,537,622	465,194	44
13	3,072	17,560,884	17,058,461	13,711	3,092		485,620	32,517,226	32,489,021	28,205	45
		737	587				150	8,220	8,220		46
		1,897,828	1,805,975	2,188			89,665	3,574,164	3,400,948	173,216	47
		3,257,712	2,954,054	5,758	2,300		295,600	6,422,431	6,392,981	29,450	48
		7,990,928	7,961,484	18,799	600	200	9,845	9,004,596	9,004,596		49
		157,805	150,673	272			6,860	339,032	335,257	3,775	50
		267,123	246,280	5,603	3,870	750	10,620	748,300	748,300		51
		2,391,051	2,127,929	25,887	4,220	2,500	230,515	3,789,169	3,787,169	2,000	52
		1,287,733	1,265,415	5,994		250	16,074	2,322,136	2,309,736	12,400	53
		117,363	116,153	500	660		50	205,400	205,300	100	54
1	150	88,495	77,620		300		10,575	243,987	243,812	175	55
		74,808	70,700	3,203	760		205	215,584	215,284	300	56
		160,871	137,589	173	69		23,040	1,285,947	1,262,662	23,285	57
		109,209	101,574	475			7,160	291,641	286,641	5,000	58
		130,044	120,343	4,304		372	5,025	275,052	252,052	23,000	59
		6,846	4,774	1,072			1,000	26,741	15,741	11,000	60
		161,325	132,115	430	1,280	4,000	23,500	439,850	439,200	650	61
		38,554	32,438	1,475	1,270	107	3,255	177,951	177,751	200	62
		20,157	17,945	12	1,100	100	1,000	49,500	49,500		63
		50,728	47,925	88	2,002	110	603	299,925	296,700	3,225	64
		8,960	7,510	50			1,400	75,120	75,120		65
		14,782	12,920	35			1,827	218,975	218,975		66
		33,410	31,800	410	200		1,000	91,500	91,500		67
		42,834	41,330	192	400		912	115,086	113,906	1,180	68
		294,395	273,600	20,735				909,758	909,758		69
		16,510	14,600	150	60		1,700	47,100	47,100		70
		136,215	125,015	100	1,550		9,550	211,800	206,800	5,000	71
		3,828,795	3,615,458	30,581		10,900	171,856	4,709,447	3,355,288	1,354,159	72
		662,859	618,000	8,224	1,600	310	34,725	1,125,193	1,125,193		73
		13,874,810	12,506,423	569,246	33,608	34,028	731,505	30,227,816	29,484,777	743,039	74
		589,068	567,800	278	150		20,840	1,156,680	1,128,230	28,450	75
		1,099,466	934,810	756	600		103,300	1,938,510	1,937,350	1,160	76
		601,014	566,967	1,355	3,600	80	29,012	1,182,085	1,100,895	81,190	77
		180,205	158,575	1,615	540	775	18,700	660,060	659,060	1,000	78
20	3,000	5,419,179	4,641,576	75,744	21,126	9,323	671,410	12,922,290	12,851,128	71,162	79
		353,592	348,842	2,750			2,000	421,000	394,000	27,000	80
		138,561	120,756	1,000	1,700	405	13,800	352,650	318,650	34,000	81
		635,586	584,183	51,403				4,319,687	4,288,222	31,465	82
		19,460	19,300	30	80		50	54,298	49,798	4,500	83
		280,790	251,820	1,386	1,484	90	26,010	817,666	811,791	5,875	84
		227,700	208,900	260			18,540	367,525	364,500	3,025	85
		71,557	70,660	72			825	135,312	135,212	100	86
		462,950	448,300	7,600		50	7,000	778,824	742,900	35,924	87
		91,333	84,590	183			6,560	307,300	293,025	14,275	88
		25,086	23,596		180		1,310	91,620	87,540	4,080	89
		1,049,904	987,370	25,172	3,082	10,735	23,545	2,724,968	2,633,868	91,100	90

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHICAGO, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
91	Hardware, saddlery	5	$23,700	$31,528	.....	.....	$9,400	$4,328	$5,700	$12,100
92	Hats and caps, not including wool hats. (See also Fur goods.)	19	203,000	116,872	$4,500	$4,000	27,125	29,935	19,712	31,600
93	Hosiery and knit goods. (See also Gloves and mittens.)	19	226,800	275,840	2,400	4,000	111,305	34,665	49,350	74,120
94	House furnishing goods, not elsewhere specified.	3	60,000	195,950	6,750	4,000	30,000	59,700	22,500	73,000
95	Instruments, professional and scientific	8	37,700	59,205	.....	.....	12,350	6,200	24,725	15,930
96	Iron and steel	14	585,000	22,803,264	1,865,395	2,943,309	7,675,616	2,412,728	2,036,969	5,869,247
97	Iron and steel, forgings	6	87,800	688,000	12,500	10,500	149,600	40,600	161,400	313,400
98	Iron and steel, nails and spikes, cut and wrought, including wire nails.	6	6,600	917,104	90,000	127,000	238,000	136,500	193,000	132,604
99	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	90	295,655	3,252,798	668,700	377,200	480,975	280,961	222,958	1,222,004
100	Jewelry. (See also Watch, clock, and jewelry repairing.)	20	333,500	271,375	8,000	4,000	47,300	44,200	56,450	111,425
101	Labels and tags	4	18,500	25,150	.....	.....	15,300	3,200	1,950	4,700
102	Lamps and reflectors. (See also Gas and lamp fixtures.)	9	59,500	87,850	3,300	10,000	26,150	8,200	19,000	21,200
103	Lead, bar, pipe, and sheet	3	3,000	959,464	180,000	87,500	199,178	55,681	71,542	365,563
104	Leather goods. (See also Pocketbooks; Trunks and valises.)	6	120,975	359,502	.....	.....	52,572	73,531	157,689	75,710
105	Leather, tanned and curried	21	233,000	4,530,250	601,500	264,100	213,700	439,975	1,558,775	1,452,200
106	Lime and cement	5	10,000	525,101	320,000	126,334	48,167	2,100	10,000	18,300
107	Liquors, distilled	3	.....	2,290,000	710,000	170,000	400,000	70,000	90,000	850,000
108	Liquors, malt. (See also Bottling.)	34	7,550	16,200,563	3,137,488	3,849,497	2,415,253	1,186,487	1,774,387	3,837,451
109	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	15	386,250	537,260	.....	.....	308,000	56,000	51,550	121,710
110	Lock and gun smithing	34	62,300	62,817	19,200	8,850	7,550	3,137	3,235	20,845
111	Looking-glass and picture frames	77	670,000	1,063,511	144,150	143,100	156,464	120,195	142,930	356,672
112	Lumber and other mill products from logs or bolts.	5	107,350	163,650	15,000	6,000	33,500	48,150	18,000	42,400
113	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	116	1,151,090	9,159,946	1,581,755	1,089,413	1,531,799	1,594,026	802,472	2,560,481
114	Malt. (See also Liquors, malt.)	18	405,000	4,282,200	705,000	1,078,000	492,500	290,500	657,200	1,059,000
115	Mantels, slate, marble, and marbleized	7	95,500	291,060	34,000	47,000	27,760	58,550	45,150	78,600
116	Marble and stone work. (See also Monuments and tombstones.)	37	140,000	2,414,563	1,079,800	251,125	307,136	272,645	118,550	385,307
117	Masonry, brick and stone. (See also Plastering and stucco work.)	141	300,000	2,441,690	170,100	176,000	226,495	126,218	253,382	1,489,495
118	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	20	321,700	937,279	128,576	86,849	68,379	210,205	81,586	361,684
119	Millinery and lace goods. (See also Artificial feathers and flowers.)	7	244,000	282,100	.....	.....	61,600	90,500	30,500	99,500
120	Millinery, custom work	200	1,124,000	1,021,396	173,850	176,050	14,865	343,650	152,781	160,200
121	Mineral and soda waters. (See also Bottling.)	18	322,000	340,825	37,200	31,500	187,640	14,038	16,272	54,175
122	Mirrors	7	173,000	226,350	.....	.....	53,000	54,500	23,350	95,500
123	Models and patterns	23	112,000	67,685	.....	1,500	25,500	5,455	5,125	30,105
124	Monuments and tombstones. (See also Marble and stone work.)	14	56,500	154,070	44,750	10,200	6,005	16,590	57,325	19,200
125	Mucilage and paste	3	7,000	22,050	10,000	5,000	2,025	1,400	475	2,250
126	Musical instruments and materials, not specified.	14	212,000	175,895	3,000	5,000	29,765	36,607	74,198	27,325
127	Musical instruments, organs and materials	9	336,700	2,784,200	86,000	192,000	184,000	127,100	306,100	1,889,000
128	Musical instruments, pianos and materials	8	131,600	333,900	31,400	35,600	17,500	18,200	43,150	188,050
129	Oil, linseed	6	47,000	1,541,892	187,000	159,000	376,000	201,400	312,592	305,900
130	Oil, lubricating	4	33,450	69,525	.....	5,000	2,325	11,700	3,900	46,600
131	Oleomargarine	4	140,000	430,400	32,000	25,000	36,000	83,400	28,000	226,000
132	Optical goods	6	100,350	84,600	.....	.....	12,100	31,550	21,350	19,600
133	Painting and paper hanging	396	1,286,800	1,724,437	302,800	199,350	136,945	373,142	192,479	519,721
134	Paints. (See also Chemicals; Varnish.)	31	630,000	3,676,178	374,236	404,418	594,122	457,665	755,374	1,090,363
135	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	37	170,100	700,077	233,000	160,600	38,385	36,465	34,755	196,872
136	Paving and paving materials	13	260,000	1,263,119	100,000	66,000	283,198	134,419	49,021	625,481
137	Perfumery and cosmetics. (See also Druggists' preparations, not including prescriptions.)	11	81,575	116,510	25,000	10,000	17,570	5,740	16,835	41,365
138	Photography	112	682,500	464,133	93,300	74,450	156,325	21,575	40,728	77,755
139	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	12	66,500	125,490	6,000	5,000	51,200	14,165	21,175	27,950
140	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	22	262,500	460,010	21,000	13,000	75,600	128,925	69,075	152,410
141	Pipes, tobacco	3	7,000	3,055	.....	.....	550	1,015	415	1,075
142	Plastering and stuccowork. (See also Masonry, brick and stone.)	39	62,500	257,383	41,000	18,950	21,720	8,787	34,195	132,731
143	Plumbers' supplies. (See also Brass castings and brass finishing.)	6	55,000	1,255,346	135,000	215,000	182,004	110,150	193,009	420,183
144	Plumbing and gas fitting	278	1,068,500	1,550,718	195,370	88,320	118,413	206,613	342,205	599,737
145	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	328	4,855,500	8,138,228	324,350	434,400	3,694,647	608,657	1,037,501	2,038,673
146	Printing and publishing, music. (See also Bookbinding and blank-book making.)	10	107,400	86,210	.....	.....	25,410	12,500	20,900	27,400
147	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	318	5,120,500	6,146,440	61,937	296,167	2,519,264	272,580	514,404	2,482,088

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHICAGO, ILL.—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$3,095	$2,125	$62	$153	$180	.....	.....	$575	46	$28,348	5	$3,960	.....	.....	91
17,635	14,210	393	1,042	180	.....	.....	1,810	206	117,428	27	27,952	.....	.....	92
25,437	13,849	849	2,149	700	.....	$950	6,940	666	218,092	31	35,802	.....	.....	93
11,900	3,900	625	1,210	1,500	.....	.....	4,665	68	30,086	3	2,200	.....	.....	94
6,562	3,036	167	330	350	.....	.....	2,670	65	43,148	18	19,740	.....	.....	95
254,703	34,752	12,801	3,871	158,946	.....	24,168	20,165	4,326	3,081,598	90	128,026	1	$720	96
27,003	7,896	1,547	1,330	5,000	.....	5,030	6,200	259	194,712	19	34,276	1	468	97
25,098	600	2,600	3,700	15,208	.....	1,530	1,400	445	226,988	24	36,100	.....	.....	98
272,180	26,609	13,609	9,684	26,768	.....	10,738	184,772	2,427	1,043,507	193	243,305	4	2,580	99
48,376	26,650	994	815	2,571	.....	320	17,026	339	278,331	42	54,012	9	4,888	100
2,339	1,480	72	215	.....	.....	42	530	44	11,984	3	3,280	1	624	101
8,721	4,740	244	532	215	.....	600	2,390	80	49,534	12	11,109	.....	.....	102
31,950	300	4,300	2,695	840	.....	19,581	4,234	186	120,240	32	32,270	2	1,050	103
22,244	9,467	842	1,177	1,006	.....	3,092	6,660	313	138,332	21	23,390	.....	.....	104
139,858	20,895	14,870	21,398	35,595	.....	5,400	41,700	1,739	1,073,702	58	82,484	.....	.....	105
15,626	900	2,276	1,250	700	.....	.....	10,500	300	167,725	24	22,020	1	360	106
5,984,900	.....	5,901,500	17,000	38,500	.....	.....	27,900	158	130,447	17	42,760	.....	.....	107
2,533,047	600	1,788,721	77,186	95,300	.....	45,932	525,308	2,051	1,442,804	181	368,314	2	6,500	108
62,756	27,035	1,330	6,316	2,800	.....	1,575	23,700	680	411,826	42	75,535	8	3,476	109
15,123	5,601	276	171	142	.....	50	8,883	78	50,621	39	28,868	.....	.....	110
100,793	53,572	4,594	9,915	5,922	.....	2,383	24,407	1,602	804,345	147	138,535	7	3,336	111
19,536	8,508	1,042	2,329	907	.....	2,200	4,550	181	68,495	4	3,498	.....	.....	112
580,877	103,598	46,954	108,475	73,717	.....	83,109	105,024	8,056	4,820,840	435	497,878	6	3,940	113
252,590	24,300	12,040	21,000	25,250	.....	6,500	163,500	481	347,044	36	54,480	.....	.....	114
13,712	7,616	1,456	1,460	1,050	.....	1,200	930	326	228,736	22	16,374	2	936	115
96,092	11,170	11,918	4,811	15,061	.....	4,055	40,077	1,400	1,162,401	94	123,621	.....	.....	116
143,497	26,589	8,826	9,555	17,921	.....	6,700	73,906	6,233	4,176,055	208	271,240	2	1,020	117
86,203	22,517	2,963	6,690	7,548	.....	6,612	39,873	665	389,734	79	104,132	1	450	118
32,182	14,640	565	1,977	2,100	.....	600	12,300	553	230,204	27	43,674	5	3,050	119
127,187	101,153	6,207	7,074	1,230	.....	.....	11,503	1,102	562,957	60	61,924	267	104,679	120
133,520	25,720	1,544	1,466	1,935	.....	720	102,135	263	168,407	47	46,722	1	300	121
27,306	15,510	581	1,471	910	.....	1,020	7,805	391	267,862	39	39,512	.....	.....	122
12,436	8,922	294	349	595	.....	18	2,258	145	119,522	29	28,184	.....	.....	123
11,472	5,045	1,134	803	1,000	.....	.....	3,490	101	68,013	15	13,101	.....	.....	124
1,318	528	195	80	5	.....	.....	510	12	6,416	3	2,340	1	624	125
21,268	16,934	333	1,731	435	.....	.....	1,835	205	114,672	17	12,048	.....	.....	126
108,411	20,200	5,184	10,927	20,605	.....	2,800	48,695	1,258	693,334	33	37,492	8	3,000	127
77,944	7,892	2,596	2,428	1,160	.....	11,050	52,818	450	249,092	16	19,216	1	400	128
85,644	4,300	4,156	7,998	9,730	.....	14,295	45,165	206	119,991	23	36,346	1	800	129
4,229	3,024	285	405	150	.....	.....	365	23	18,246	9	9,240	.....	.....	130
260,407	11,100	238,707	1,700	4,000	.....	1,000	3,900	219	170,414	30	55,448	4	2,520	131
15,256	7,024	500	702	250	.....	560	6,220	85	59,057	17	16,517	5	3,684	132
166,217	102,883	6,943	8,064	4,538	$600	2,457	40,732	3,177	2,228,992	492	451,163	15	7,719	133
497,383	56,604	28,221	29,133	15,859	.....	28,732	343,834	808	593,695	189	236,029	12	6,111	134
254,172	13,590	1,552	2,221	919	.....	658	235,232	289	174,012	57	63,632	14	7,224	135
101,047	20,646	3,679	6,101	24,498	.....	20,986	25,137	1,389	757,412	49	73,410	.....	.....	136
28,601	6,520	313	1,461	600	.....	270	19,437	156	68,462	20	15,366	1	780	137
93,921	54,552	2,529	3,069	2,206	.....	1,374	30,191	521	350,339	124	129,655	24	15,411	138
19,248	5,947	420	1,149	540	.....	1,300	9,892	150	111,374	22	28,340	1	600	139
84,241	23,585	3,286	2,569	4,435	.....	5,914	44,452	338	166,234	56	61,700	3	1,450	140
637	540	8	55	.....	.....	.....	34	8	4,764	1	1,200	1	600	141
15,151	4,968	395	524	1,245	.....	50	7,969	453	346,104	55	57,633	.....	.....	142
25,300	4,371	2,614	4,074	10,000	.....	452	3,789	750	423,082	64	48,470	.....	.....	143
121,381	85,477	4,338	4,270	4,821	.....	856	21,619	2,586	1,941,391	392	385,535	6	2,498	144
2,304,972	305,051	33,466	61,972	40,796	.....	24,271	1,839,416	7,103	4,478,257	794	945,914	106	54,686	145
24,328	6,430	346	547	25	.....	.....	16,980	57	39,554	26	23,060	11	5,100	146
2,762,760	307,228	24,610	40,480	48,576	.....	23,741	2,318,125	5,487	4,581,191	837	1,040,035	211	104,631	147

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHICAGO, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
91	Hardware, saddlery	38	$24,040			3	$348				
92	Hats and caps, not including wool hats. (See also Fur goods.)	39	28,280	53	$17,292	1	208	22	$14,092	64	$29,604
93	Hosiery and knit goods. (See also Gloves and mittens.)	52	22,683	435	121,784	8	950			140	36,873
94	House furnishing goods, not elsewhere specified.	36	16,430	18	6,456			11	5,060		
95	Instruments, professional and scientific	42	22,368	5	1,040						
96	Iron and steel	4,218	2,950,242			17	2,610				
97	Iron and steel, forgings	179	109,768					60	50,200		
98	Iron and steel, nails and spikes, cut and wrought, including wire nails.	234	142,948	151	30,555	29	6,073			7	5,312
99	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	2,189	1,387,291			33	6,910	8	3,421		
100	Jewelry. (See also Watch, clock, and jewelry repairing.)	270	213,995	13	4,396	5	1,040				
101	Labels and tags	7	2,980	5	1,200	2	400			6	1,500
102	Lamps and reflectors. (See also Gas and lamp fixtures.)	55	33,565	9	1,960	2	300	2	2,600		
103	Lead, bar, pipe, and sheet	152	86,920								
104	Leather goods. (See also Pocketbooks; Trunks and valises.)	254	106,080	37	8,762			1	100		
105	Leather, tanned and curried	1,577	941,898					104	49,320		
106	Lime and cement	365	145,355								
107	Liquors, distilled	141	87,687								
108	Liquors, malt. (See also Bottling.)	1,859	1,064,210	6	1,440			3	2,340		
109	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	460	286,877	166	45,238	4	700				
110	Lock and gun smithing	36	20,823			2	306	1	624		
111	Looking glass and picture frames	1,099	546,439	46	13,300	159	31,127	142	70,880	2	728
112	Lumber and other mill products from logs or bolts.	136	53,760					41	11,240		
113	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	7,230	4,158,341	21	5,534	147	18,288	216	136,287	1	572
114	Malt. (See also Liquors, malt.)	445	292,564								
115	Mantels, slate, marble, and marbleized	262	173,426					40	30,600		
116	Marble and stone work. (See also Monuments and tombstones.)	1,300	1,031,980	2	800			4	6,000		
117	Masonry, brick and stone. (See also Plastering and stuccowork.)	6,000	3,877,703			6	1,092	17	25,000		
118	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	300	174,744	48	18,749	9	1,156	165	61,630	47	17,452
119	Millinery and lace goods. (See also Artificial feathers and flowers.)	43	37,360	231	83,332	7	1,568			240	61,220
120	Millinery, custom work	31	21,168	735	314,178	4	438			5	570
121	Mineral and soda waters. (See also Bottling.)	209	119,085	4	1,300			2	1,000		
122	Mirrors	301	195,710			11	1,440	40	31,200		
123	Models and patterns	112	89,382	1	350	1	150	2	1,456		
124	Monuments and tombstones. (See also Marble and stone work.)	86	54,912								
125	Mucilage and paste	7	3,244	1	208						
126	Musical instruments and materials, not specified.	146	72,546	3	1,000	1	156	38	28,922		
127	Musical instruments, organs and materials	360	225,882	32	14,660			825	412,300		
128	Musical instruments, pianos and materials	399	188,136					49	41,340		
129	Oil, linseed	181	82,345					1	500		
130	Oil, lubricating	12	8,070	2	936						
131	Oleomargarine	175	109,746	9	2,350	1	350				
132	Optical goods	34	21,956	7	2,236			19	13,572	3	1,092
133	Painting and paper hanging	2,499	1,669,365	27	6,375	13	2,338	124	90,940	7	1,692
134	Paints. (See also Chemicals; Varnish.)	552	333,484	49	16,229	4	705	2	1,146		
135	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	113	71,924	96	28,912	6	1,120			3	1,200
136	Paving and paving materials	1,340	684,002								
137	Perfumery and cosmetics. (See also Druggists' preparations, not including prescriptions.)	54	29,244	79	22,769	2	312				
138	Photography	237	150,705	110	42,365	4	1,140	11	6,408	11	4,655
139	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	107	76,756	16	3,996	1	182	3	1,500		
140	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	173	74,690	105	27,644			1	750		
141	Pipes, tobacco	6	2,964								
142	Plastering and stuccowork. (See also Masonry, brick and stone.)	392	284,787					6	3,744		
143	Plumbers' supplies. (See also Brass castings and brass finishing.)	438	239,870	23	6,032			201	121,222	24	7,488
144	Plumbing and gas fitting	2,162	1,548,202			23	4,456	3	700		
145	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	4,259	2,776,473	1,217	407,276	118	25,310	503	239,664	115	28,934
146	Printing and publishing, music. (See also Bookbinding and blank-book making.)	4	3,256	8	3,200	2	442	6	4,496		
147	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	2,826	2,357,072	452	199,317	131	23,212	979	832,792	51	24,192

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHICAGO, ILL.—Continued.

Average number of employés and total wages—continued. Piecoworkers—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
		$11,965	$10,915		$550		$500	$50,449	$50,449		91
		112,276	103,244	$432	390		8,210	327,925	318,125	$9,800	92
		274,615	249,483	1,446	2,070		21,616	596,977	582,468	14,509	93
		343,100	338,800	1,200	2,300		800	452,834	452,834		94
		22,864	18,225	561	378		3,700	110,250	108,875	1,375	95
		19,217,414	15,969,940	2,791,268			456,206	24,317,831	24,275,380	42,451	96
		364,523	347,600	9,724	1,844	$355	5,000	687,400	681,500	5,900	97
		450,355	394,431	18,477		17,222	20,225	849,709	847,584	2,125	98
		2,345,209	2,204,260	57,746	3,330	6,498	73,375	5,018,159	4,009,409	408,750	99
		439,529	429,440	1,001	2,413		6,675	873,000	858,000	15,000	100
20	$2,000	25,040	23,800		560	80	600	50,460	50,000	460	101
		36,395	34,610	500	295	20	970	125,050	119,000	6,050	102
		2,447,381	2,365,901	6,100	380		75,000	2,584,200	2,584,200		103
		177,315	173,489	1,510	50	516	1,750	410,797	410,647	150	104
		5,144,914	5,113,529	15,665			15,720	7,395,371	7,277,471	117,900	105
		48,727	5,000	43,727				358,194	298,194	60,000	106
		952,916	643,431	50,485		1,000	258,000	8,030,863	8,030,863		107
		3,415,306	3,112,931	176,640		32,201	93,534	10,223,718	10,189,239	34,479	108
		300,740	266,090	480	4,970		29,200	951,785	951,785		109
		69,981	68,175	173			1,633	172,123	150,883	21,240	110
		1,042,324	946,951	12,680	3,848	3,778	75,067	2,517,417	2,495,632	21,785	111
		161,025	156,225	450	150	3,900	300	300,780	300,780		112
		10,195,546	9,866,723	44,234	9,934	32,803	241,852	17,604,494	17,302,994	301,500	113
		3,009,550	2,871,800	114,350	1,500	15,300	6,600	4,329,100	4,329,100		114
		246,612	227,572	2,480		350	16,210	582,260	581,260	1,000	115
		1,291,891	1,239,251	26,949	1,900	15,870	7,921	3,184,121	3,158,322	25,799	116
		7,523,862	7,061,472	21,410		24,000	416,980	13,086,157	13,064,302	21,855	117
16	11,421	1,278,723	1,230,028	9,159	1,342	6,500	31,694	2,061,336	2,058,586	2,750	118
		286,548	271,248	2,050	1,550		11,700	664,930	664,730	200	119
		920,641	848,762	1,696		500	69,683	1,954,076	1,900,894	53,182	120
		164,602	145,888	3,019		50	15,645	679,923	679,923		121
		226,188	222,175	1,250	1,813	210	740	578,338	578,338		122
		24,752	19,454	128	2,587	323	2,260	200,898	196,493	4,405	123
		94,501	92,655	1,386			460	213,950	212,200	1,750	124
		14,341	11,639	372			2,330	24,525	24,525		125
		75,493	72,073	2,300	130		990	239,960	233,010	6,950	126
		974,558	886,613	9,345	600	2,500	75,500	2,425,950	2,425,650	300	127
		352,222	250,612	2,210	1,260		98,140	755,450	751,450	4,000	128
		2,312,529	2,269,372	13,079		12,600	17,478	2,789,764	2,789,764		129
		215,135	212,700	1,935			500	260,750	260,300	450	130
		1,314,300	1,275,500	4,800			34,000	1,864,800	1,864,800		131
		81,810	68,525	450	510		12,325	183,000	183,000		132
		1,764,287	1,680,891	2,154	180	20	81,042	4,932,627	4,778,247	154,380	133
		3,045,129	2,842,626	28,331	4,320	5,174	164,678	4,799,675	4,799,675		134
		338,629	279,836	2,663	540		55,590	1,269,860	1,247,060	22,800	135
		2,075,165	2,004,878	15,287		2,500	52,500	3,275,609	3,244,609	31,000	136
		114,170	108,686	1,245	264		3,975	319,050	303,050	16,000	137
		289,491	245,681	2,200			41,610	969,280	963,880	5,400	138
		80,395	74,590	665	490	15	4,635	246,300	222,800	23,500	139
		623,036	533,626	4,572	1,385	325	83,128	1,064,956	1,053,256	11,700	140
		2,960	2,900		60			9,950	9,450	500	141
		398,206	394,150	882			3,174	877,430	869,980	7,450	142
		431,204	362,114	10,650	1,440	4,500	52,500	1,248,404	1,245,629	2,775	143
		2,736,415	2,557,103	5,503	186	115	173,508	5,608,851	5,260,759	348,092	144
		4,606,359	4,064,430	28,201	46,274		467,454	14,030,378	13,682,498	347,880	145
		37,080	32,505				4,575	157,000	157,000		146
		3,154,735	2,907,412	43,167	13,442	1,000	189,714	13,249,409	12,932,742	316,667	147

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHICAGO, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of hired property.	Direct investment. Aggregate.	Value of plant. Land.	Buildings.	Machinery, tools, and implements.	Live assets. Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
148	Printing materials	10	$272,525	$693,075	$1,600	$36,000	$270,200	$20,625	$140,950	$223,700
149	Refrigerators	3	32,000	69,200	2,500	500	4,500	6,200	9,700	45,800
150	Regalia and society banners and emblems	9	117,500	64,066	.....	.....	6,390	13,220	27,031	18,025
151	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	28	120,100	542,075	94,800	56,800	92,680	60,745	94,475	142,575
152	Rubber and elastic goods	9	30,000	115,390	25,800	10,000	28,660	19,501	11,142	20,287
153	Saddlery and harness	163	663,500	1,193,543	141,300	71,450	110,702	158,993	296,171	414,927
154	Sausage. (See also Slaughtering.)	11	25,500	36,337	14,300	10,600	3,330	435	1,747	5,925
155	Saws	9	95,500	245,400	31,000	17,400	44,000	14,700	57,300	81,000
156	Scales and balances	3	20,200	57,800	8,000	4,000	10,500	3,800	4,600	26,900
157	Sewing machine repairing	6	22,000	2,215	.....	.....	710	220	235	1,050
158	Sewing machines and attachments	6	104,300	395,800	19,000	18,000	127,100	25,550	84,100	122,050
159	Shipbuilding	6	5,975	534,356	362,000	64,350	20,486	22,712	16,271	48,537
160	Shirts. (See also Furnishing goods, men's.)	38	733,850	1,136,625	100,000	100,000	42,690	123,810	213,825	555,700
161	Show cases	14	245,600	131,470	.....	.....	10,900	52,150	26,020	42,400
162	Silk and silk goods	10	326,164	422,096	33,000	60,000	106,200	84,950	39,000	98,946
163	Silversmithing	4	40,850	35,800	.....	.....	20,800	7,200	2,200	5,600
164	Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.)	41	400,000	38,878,995	4,463,236	5,622,626	3,147,858	4,807,553	16,041,755	4,795,967
165	Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.)	16	208,500	343,200	90,000	75,000	15,700	18,750	47,650	90,100
166	Smelting and refining	6	33,500	136,190	3,000	19,000	11,725	25,165	16,750	60,550
167	Soap and candles. (See also Grease and tallow.)	16	50,130	4,512,545	716,793	453,833	584,272	425,264	484,795	1,847,588
168	Springs, steel, car and carriage	5	94,500	501,876	187,000	33,000	108,573	47,300	30,726	95,277
169	Stamped ware. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	4	12,900	311,575	45,000	30,000	81,500	30,750	20,525	103,800
170	Stationery goods, n.e.e. elsewhere specified	7	73,000	147,150	20,000	10,000	26,300	8,050	58,100	24,700
171	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	16	268,750	2,626,623	212,000	282,000	530,550	269,500	771,800	560,773
172	Stencils and brands	7	67,500	42,375	.....	.....	27,150	1,075	1,400	12,750
173	Stereotyping and electrotyping. (See also Type founding.)	6	181,500	200,750	.....	.....	128,000	9,550	17,000	45,300
174	Sugar and molasses, refining	3	210,000	278,000	.....	.....	35,000	72,000	23,000	148,000
175	Surgical appliances. (See also Artificial limbs.)	10	92,000	97,950	2,000	1,000	12,800	14,450	41,950	25,750
176	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	292	1,266,500	2,032,470	325,000	275,400	713,937	370,033	545,945	702,155
177	Tobacco, chewing, smoking, and snuff	8	268,500	685,995	25,000	18,000	65,800	247,750	68,345	261,100
178	Tobacco, cigars and cigarettes	371	940,500	1,720,234	183,570	147,225	59,616	561,864	253,464	518,495
179	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	20	40,500	107,285	8,300	5,000	32,350	5,670	20,990	34,375
180	Trunks and valises. (See also Leather goods.)	12	178,750	341,150	53,500	47,000	22,250	62,550	86,350	69,500
181	Type founding. (See also Stereotyping and electrotyping.)	3	208,000	438,545	.....	.....	199,805	22,000	146,740	70,000
182	Umbrellas and canes	15	64,750	22,580	3,000	2,000	1,930	4,210	8,500	2,940
183	Varnish. (See also Paints.)	9	72,000	1,271,071	89,750	176,804	115,005	181,170	393,654	314,688
184	Vault lights and ventilators. (See also Foundry and machine shop products.)	4	20,100	36,275	2,500	1,000	4,100	3,650	3,000	22,025
185	Vinegar and cider	11	100,200	558,380	133,865	119,500	155,800	6,300	54,920	87,995
186	Washing machines and clothes wringers	3	6,300	4,149	.....	.....	485	708	625	2,331
187	Watch, clock, and jewelry repairing. (See also Jewelry.)	190	601,500	307,707	56,250	20,100	53,565	26,145	80,079	71,568
188	Window shades	12	113,000	217,320	10,000	8,000	24,020	46,630	13,220	115,450
189	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	24	276,500	431,980	17,300	13,500	123,610	50,685	51,660	175,225
190	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	32	156,500	180,393	34,200	12,250	50,008	11,635	23,970	48,330
191	All other industries (a)	93	1,983,931	7,274,500	976,197	1,146,452	1,415,235	555,906	976,894	2,203,816

CINCINNATI, OHIO.

1	All industries (b)	7,832	31,936,526	104,483,032	10,302,728	12,469,589	15,289,272	12,084,009	22,802,795	31,534,639
2	Artificial feathers and flowers. (See also Millinery and lace goods.)	3	4,575	420	.....	.....	75	30	165	150
3	Awnings, tents, and sails	10	59,350	28,090	.....	.....	2,180	8,000	6,625	11,285
4	Axle grease	3	7,800	13,775	.....	.....	600	2,650	3,950	6,575
5	Bags, other than paper	5	40,550	118,250	.....	.....	33,150	16,200	16,300	52,600
6	Bags, paper	4	39,750	115,100	.....	.....	42,100	16,000	22,000	35,000
7	Baking and yeast powders	4	10,750	4,005	.....	.....	255	930	1,570	1,250
8	Baskets and rattan and willow ware	16	61,900	21,481	4,600	4,200	1,436	4,075	3,395	3,775
9	Billiard tables and materials	4	53,800	130,400	.....	.....	6,700	11,900	25,650	86,150
10	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	174	258,856	249,176	72,820	34,975	46,155	22,655	22,228	50,343
11	Bookbinding and blank-book making. (See also Printing and publishing.)	21	67,450	105,050	11,400	6,000	31,000	6,400	9,555	40,704

a Embraces ammunition, 1; artists' materials, 2; bags, paper, 1; bellows, 1; belting and hose, rubber, 1; bluing, 2; boot and shoe findings, 1; bronze castings, 1; carpets, wood, 1; china, decorating, 2; cigar molds, 1; clothing, horse, 1; cordage and twine, 1; cordials and sirups, 1; dentists' materials, 2; drug grinding, 1; emery wheels, 1; enameled goods, 1; fireworks, 1; foundry supplies, 1; fruits and vegetables, canning and preserving, 2; furs, dressed, 1; gas stoves, 2; glass, 1; glucose, 1; glue, 1; ice, artificial, 1; ink, printing, 2; ink, writing, 2; iron and steel, doors and shutters, 1; iron and steel, pipe, wrought, 1; ivory and bone work, 2; japanning, 2; jewelry and instrument cases, 2; kindling wood, 1; lapidary work, 1; lard, refined, 2; lasts, 2; leather, dressed skins, 1; mats and matting, 1; nets and seines, 1; oil, resin, 1; paper goods, not elsewhere specified, 1; paper patterns, 1; pens, fountain and stylographic, 1; photographic apparatus, 1; photographic materials, 1; pocket-

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHICAGO, ILL.—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$36,439	$19,062	$2,368	$2,851	$1,290	.....	$8,000	$2,868	329	$163,880	33	$42,548	3	$1,430	148
2,696	2,500	114	70	.....	.....	.....	12	116	49,454	22	21,338	.....	.....	149
11,274	9,394	394	686	.....	.....	75	725	178	78,576	13	13,320	1	520	150
44,521	9,528	1,807	1,574	7,369	.....	2,653	21,590	584	394,865	46	57,162	2	728	151
7,119	2,350	326	423	550	.....	1,125	2,345	86	42,395	16	16,080	4	1,800	152
90,186	59,696	4,585	4,846	3,150	.....	4,338	13,571	880	520,445	206	166,066	1	250	153
3,682	2,292	197	118	175	.....	300	600	48	25,125	13	11,005	.....	.....	154
23,541	7,610	1,260	931	975	.....	.....	12,765	90	65,406	16	17,844	1	700	155
2,695	1,800	210	210	25	.....	.....	450	64	43,775	4	4,680	2	1,248	156
2,021	1,740	33	27	16	.....	.....	205	8	4,338	4	2,604	.....	.....	157
108,179	7,300	1,200	2,350	3,500	.....	4,150	89,679	328	173,040	17	14,520	4	2,160	158
9,014	370	3,228	407	717	.....	1,666	2,632	230	148,991	11	11,972	1	433	159
67,882	43,730	2,863	9,584	855	$1,000	50	9,800	1,390	581,784	54	53,612	3	1,468	160
26,785	19,640	683	1,266	382	.....	.....	4,814	216	166,850	30	30,840	.....	.....	161
35,761	17,035	1,885	6,511	5,245	.....	85	5,000	805	295,636	41	50,384	8	3,930	162
7,369	2,856	64	424	725	.....	100	3,200	50	31,322	5	5,474	1	1,060	163
6,100,722	35,620	350,071	426,375	477,647	.....	1,162,641	3,708,368	17,439	10,691,692	849	956,958	26	10,998	164
57,304	18,726	3,720	2,357	4,575	.....	1,000	26,926	436	314,549	25	35,712	.....	.....	165
10,981	2,670	875	596	2,220	.....	250	4,370	72	50,633	18	18,594	.....	.....	166
632,309	3,760	12,872	11,420	30,059	.....	2,358	571,840	1,074	582,728	129	153,827	5	2,824	167
32,442	7,550	1,744	1,667	4,265	.....	476	16,740	240	165,680	17	22,080	.....	.....	168
9,339	1,026	2,551	2,712	100	.....	300	2,650	420	172,831	18	23,569	.....	.....	169
6,512	4,380	453	734	420	.....	75	450	68	52,776	15	18,900	3	2,080	170
349,805	18,810	15,219	10,490	31,825	.....	1,901	271,560	2,224	1,269,260	245	254,163	4	2,200	171
8,722	4,700	220	377	210	.....	.....	3,215	75	56,536	13	14,060	.....	.....	172
20,483	14,500	620	1,504	1,050	.....	.....	2,800	265	107,940	21	38,953	1	260	173
36,790	12,600	1,240	1,300	2,450	.....	2,200	17,000	96	80,314	30	43,304	2	1,100	174
40,061	6,430	427	274	1,360	.....	100	31,470	141	103,788	41	39,694	8	4,622	175
215,669	113,957	12,465	15,345	30,275	.....	5,079	38,548	2,609	1,469,090	329	315,052	17	9,212	176
587,532	16,110	385,915	4,412	5,740	.....	9,000	166,355	464	215,824	43	62,058	.....	.....	177
438,324	84,613	310,281	10,198	1,481	1,824	3,849	26,078	2,551	1,405,103	386	299,975	3	1,676	178
5,735	3,435	230	585	405	.....	300	780	159	101,392	28	22,822	.....	.....	179
22,500	14,280	2,342	2,649	700	.....	480	2,040	266	162,633	35	38,953	.....	.....	180
27,900	16,600	1,700	3,000	3,100	.....	1,000	2,500	195	162,800	18	29,000	8	3,560	181
6,802	5,795	63	171	30	.....	50	693	28	15,898	15	10,076	1	500	182
88,189	5,030	6,022	6,858	3,855	.....	11,813	54,611	184	188,314	61	105,614	2	1,456	183
4,224	1,500	138	736	250	.....	.....	1,600	75	46,492	7	9,024	.....	.....	184
24,190	8,500	2,381	2,211	3,540	.....	1,171	6,387	138	107,549	39	48,290	.....	.....	185
540	480	13	17	.....	.....	.....	30	11	5,108	3	1,508	.....	.....	186
66,031	48,052	1,903	2,006	977	.....	37	13,056	396	276,697	161	124,857	.....	.....	187
32,291	9,032	968	1,621	.....	.....	25	20,645	119	75,952	23	20,820	3	2,340	188
43,989	22,104	2,132	4,173	2,590	.....	1,650	11,340	366	217,511	38	45,396	4	2,580	189
26,018	14,093	1,252	1,684	2,400	.....	250	6,339	286	166,860	43	40,491	.....	.....	190
983,226	100,335	33,182	47,413	124,912	2,310	28,852	646,222	3,985	2,165,483	338	393,251	22	12,137	191

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19,937,152	2,682,820	10,316,363	629,213	709,230	654,947	613,763	4,330,816	96,689	47,691,332	10,214	9,935,622	2,308	1,027,199	1
376	360	.....	.....	.....	.....	.....	10	4	1,370	1	624	2	430	2
7,303	5,340	755	329	100	.....	.....	779	71	31,158	16	13,176	.....	.....	3
1,202	780	62	110	.....	.....	.....	250	14	8,074	6	4,850	.....	.....	4
7,721	3,447	580	684	500	.....	.....	2,510	131	58,660	12	13,780	.....	.....	5
7,293	3,180	180	1,165	1,200	.....	.....	1,508	70	36,188	11	13,750	.....	.....	6
1,588	860	14	14	.....	.....	.....	700	23	10,836	7	5,200	3	780	7
6,169	5,570	286	134	70	.....	.....	100	56	24,589	23	11,518	.....	.....	8
9,391	4,304	1,352	975	500	.....	.....	2,260	202	204,002	18	19,640	.....	.....	9
41,437	27,871	5,393	1,689	2,691	.....	175	3,618	534	337,841	193	150,548	1	500	10
13,486	6,069	1,003	554	630	4,000	75	1,155	203	86,327	25	21,569	3	956	11

books, 2; pulp goods, 1; pumps, not including steam pumps, 2; racking hose, 1; registers, car fare, 1; registers, cash, 1; rules, ivory and wood, 1; safes and vaults, 1; screws, machine, 1; sewing machine cases, 2; shoddy, 2; sporting goods, 2; starch, 1; steam packing, 2; taxidermy, 2; tinfoil, 1; toys and games, 2; typewriters and supplies, 1; upholstery materials, 1; watch and clock materials, 1; watch cases, 2; whips, 2; windmills, 1.

b Includes a return from a manufacturer of "Timber products, not manufactured at mill" having an office in Cincinnati. 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.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CHICAGO, ILL.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
148	Printing materials	68	$53,028	14	$5,200	3	$874	58	$36,600	150	$24,200
149	Refrigerators	94	28,116								
150	Regalia and society banners and emblems	69	37,170	95	27,566						
151	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	535	336,625					1	350		
152	Rubber and elastic goods	28	16,240	17	4,309	2	416	4	1,150	15	2,400
153	Saddlery and harness	518	284,673	25	7,954	10	2,496	106	56,006	14	3,000
154	Sausage. (See also Slaughtering.)	32	13,220	3	900						
155	Saws	72	46,446	1	416						
156	Scales and balances	33	22,247					25	15,600		
157	Sewing machine repairing	2	864	1	350			1	520		
158	Sewing machines and attachments	259	142,296	27	6,916	2	468	4	2,000	15	4,680
159	Shipbuilding	217	136,430			1	156				
160	Shirts. (See also Furnishing goods, men's.)	360	197,680	637	206,192	4	624	31	9,708	301	112,5 0
161	Show cases	171	124,310					15	11,700		
162	Silk and silk goods	139	72,220	535	143,392	10	1,560	18	10,110	54	14,040
163	Silversmithing	44	24,848								
164	Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.)	14,875	9,091,152	243	75,584	405	75,751	797	410,943	244	70,306
165	Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.)	384	260,309					27	18,528		
166	Smelting and refining	54	32,039								
167	Soap and candles. (See also Grease and tallow.)	732	372,199	128	33,478	44	10,100			36	10,300
168	Springs, steel, car and carriage	213	141,520			10	2,080				
169	Stamped ware. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	77	60,238					175	48,024	150	41,000
170	Stationery goods, not elsewhere specified	33	25,764	12	4,132	1	150	4	1,750		
171	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	1,746	937,027	37	7,400			119	47,994	73	20,470
172	Stencils and brands	60	41,976			2	500				
173	Stereotyping and electrotyping. (See also Type founding.)	215	123,169	1	520	27	5,638				
174	Sugar and molasses, refining	53	31,960	5	1,250			6	2,700		
175	Surgical appliances. (See also Artificial limbs.)	67	49,016	18	7,180					7	3,276
176	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	1,969	1,037,936	181	48,766	10	2,040	103	56,084		
177	Tobacco, chewing, smoking, and snuff	89	65,894	328	86,624					4	1,248
178	Tobacco, cigars and cigarettes	473	259,504	194	57,407	43	7,626	1,185	693,254	252	83,740
179	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	130	77,850	1	720						
180	Trunks and valises. (See also Leather goods.)	220	120,530	10	3,000	1	150				
181	Type founding. (See also Stereotyping and electrotyping.)	19	9,200					25	12,500	125	108,540
182	Umbrellas and canes	7	3,900	5	1,422						
183	Varnish. (See also Paints.)	117	80,012	1	312	2	520	1	400		
184	Vault lights and ventilators. (See also Foundry and machine shop products.)	67	37,368			1	100				
185	Vinegar and cider	99	59,259								
186	Washing machines and clothes wringers	8	3,600								
187	Watch, clock, and jewelry repairing. (See also Jewelry.)	222	148,573	5	1,353	6	984	2	930		
188	Window shades	70	40,004	10	4,176	2	312	9	7,700	2	600
189	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	238	136,463	12	3,884	22	4,488	52	24,700		
190	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	230	122,477			6	962	7	2,930		
191	All other industries	2,548	1,460,687	468	116,407	95	12,842	284	134,409	213	33,098

CINCINNATI, OHIO—Continued.

1	All industries	49,821	27,251,593	10,744	2,768,008	1,291	215,730	13,742	4,042,058	8,212	1,514,207
2	Artificial feathers and flowers. (See also Millinery and lace goods.)			1	316						
3	Awnings, tents, and sails	20	11,128	25	5,108	4	546			6	1,200
4	Axle grease	7	2,964	1	260						
5	Bags, other than paper	58	27,565	19	5,300			6	4,500	36	7,515
6	Bags, paper	19	8,216	21	6,210					19	3,012
7	Baking and yeast powders	10	4,136	3	720						
8	Baskets and rattan and willow ware	24	10,908			7	1,344	2	824		
9	Billiard tables and materials	124	91,362					60	93,000		
10	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	331	184,793			6	1,088	3	912		
11	Bookbinding and blank-book making. (See also Printing and publishing.)	85	42,816	49	13,504	26	3,718	3	764	12	3,000

BY SPECIFIED INDUSTRIES: 1890—Continued.

CHICAGO, ILL.—Continued.

Average number of employés and total wages—continued.		Cost of materials used.						Value of products.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
.....	.....	$113,398	$100,174	$1,590	$3,998	$1	$7,635	$439,400	$389,400	$50,000	148
.....	.....	41,980	39,490	40	.....	.....	2,450	110,000	110,000	.....	149
.....	.....	61,248	57,920	18	.....	.....	3,310	186,060	183,060	3,000	150
.....	.....	1,154,464	1,122,504	4,900	.....	50	27,010	1,874,744	1,816,894	57,850	151
.....	.....	85,253	68,761	1,742	.....	.....	14,750	173,950	173,950	.....	152
.....	.....	676,851	639,010	3,336	1,175	75	33,255	1,486,256	1,328,752	157,504	153
.....	.....	169,193	159,681	1,062	.....	.....	8,450	218,690	218,690	.....	154
.....	.....	143,104	137,444	660	3,060	600	1,400	261,216	258,976	2,240	155
.....	.....	28,611	22,910	345	96	260	5,000	85,221	85,221	.....	156
.....	.....	1,650	1,450	.....	.....	.....	200	10,200	1,800	8,400	157
.....	.....	174,770	129,620	3,500	3,950	2,000	35,700	535,965	528,965	7,000	158
.....	.....	116,797	62,719	4,650	.....	.....	49,428	336,148	162,584	173,564	159
.....	.....	941,543	906,146	985	2,990	150	31,272	1,854,654	1,850,704	3,950	160
.....	.....	166,130	155,730	655	450	.....	9,295	425,025	424,700	325	161
.....	.....	314,855	272,636	1,725	1,740	.....	38,754	785,845	785,145	700	162
.....	.....	64,889	62,545	30	2,164	.....	150	184,924	184,924	.....	163
.....	.....	164,739,508	147,836,346	455,400	.....	.....	16,447,762	194,119,148	187,093,024	7,026,124	164
.....	.....	8,828,857	8,771,900	13,457	1,000	.....	42,500	9,487,254	8,970,567	516,687	165
.....	.....	591,155	578,130	10,625	.....	200	2,200	726,200	726,200	.....	166
.....	.....	7,237,039	5,536,048	68,388	.....	550	1,632,053	9,487,542	9,487,542	.....	167
.....	.....	213,265	192,900	15,700	750	880	3,035	565,000	545,000	20,000	168
.....	.....	219,931	216,852	1,630	444	.....	1,005	429,600	429,600	.....	169
.....	.....	44,856	43,280	200	276	.....	1,100	121,396	120,500	896	170
.....	.....	1,552,224	1,502,261	12,759	3,954	200	33,050	3,921,738	3,844,438	77,300	171
.....	.....	22,500	20,760	600	.....	150	990	114,150	113,600	550	172
.....	.....	85,765	73,005	1,200	6,300	600	4,600	367,000	367,000	.....	173
.....	.....	1,239,232	1,218,760	4,472	.....	.....	16,000	1,427,312	1,427,312	.....	174
.....	.....	138,405	135,700	150	230	.....	2,325	360,300	359,000	1,300	175
.....	.....	2,590,224	2,356,412	26,445	5,390	16,225	185,752	5,332,354	5,041,948	290,406	176
.....	.....	500,841	398,666	6,790	.....	.....	95,385	1,436,272	1,436,272	.....	177
15	$1,921	1,806,888	1,634,697	1,366	85	20	170,720	4,167,419	4,156,762	10,657	178
.....	.....	33,201	26,641	1,131	1,374	70	3,985	194,161	182,291	11,870	179
.....	.....	157,802	151,670	832	.....	.....	5,300	383,700	382,000	1,700	180
.....	.....	466,240	447,900	1,820	1,220	14,800	500	765,000	760,000	5,000	181
.....	.....	19,661	18,943	173	.....	.....	545	53,195	31,895	21,300	182
.....	.....	794,978	771,098	5,776	.....	.....	18,104	1,283,319	1,283,319	.....	183
.....	.....	35,344	32,463	1,881	.....	.....	1,000	117,300	117,000	300	184
.....	.....	264,315	244,869	12,321	.....	.....	7,125	539,794	539,794	.....	185
.....	.....	4,920	4,662	18	240	.....	.....	11,254	9,100	2,154	186
.....	.....	122,511	111,821	545	548	.....	9,597	605,903	426,111	179,792	187
.....	.....	320,448	311,868	440	.....	800	7,340	530,010	529,510	500	188
.....	.....	377,241	347,754	6,827	1,560	1,370	19,730	893,299	884,579	8,720	189
.....	.....	115,824	108,043	1,935	4,036	40	1,770	382,559	363,628	18,931	190
17	2,652	8,802,667	8,117,765	191,589	11,469	4,005	477,839	14,023,958	13,967,983	55,975	191

CINCINNATI, OHIO—Continued.

357	36,915	92,545,231	87,469,631	1,026,865	109,269	225,924	3,722,542	196,063,983	185,814,215	10,249,768	1
.....	.....	285	285	.....	.....	.....	.....	2,700	2,700	.....	2
.....	.....	49,016	46,871	.....	120	.....	2,025	107,550	97,550	10,000	3
.....	.....	46,935	46,525	60	.....	.....	350	70,800	70,800	.....	4
.....	.....	327,115	322,500	215	1,000	.....	3,400	531,000	529,000	2,000	5
.....	.....	184,674	183,757	.....	492	.....	425	268,500	268,500	.....	6
.....	.....	5,259	5,009	.....	.....	.....	250	23,900	23,900	.....	7
.....	.....	73,213	71,610	10	.....	.....	1,593	126,250	125,025	1,225	8
.....	.....	85,340	76,500	740	.....	.....	8,100	389,725	380,000	9,725	9
.....	.....	171,900	150,869	8,416	180	100	12,335	690,422	442,757	247,665	10
.....	.....	53,180	45,120	.....	2,160	.....	5,900	207,058	198,558	8,500	11

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CINCINNATI, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
				Direct investment.						
					Value of plant.			Live assets.		
			Value of hired property.	Aggregate.	Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
12	Boot and shoe uppers	15	$67,025	$56,140	$6,900	$4,800	$5,300	$9,395	$7,300	$22,445
13	Boots and shoes, custom work and repairing	591	1,007,750	542,404	147,760	162,780	41,702	37,779	59,634	92,749
14	Boots and shoes, factory product	35	378,000	2,109,539	123,050	131,550	347,587	225,137	409,534	872,681
15	Bottling. (See also Liquors, malt; Mineral and soda waters.)	36	203,000	203,245	30,500	19,500	6,450	74,745	33,655	38,395
16	Boxes, cigar	6	30,375	253,266	62,000	32,000	21,543	19,823	40,650	77,250
17	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	8	55,325	48,205	600	300	17,175	6,895	2,540	20,695
18	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	7	74,000	105,500	5,000	4,600	19,100	17,000	13,100	46,700
19	Brass castings and brass finishing. (See also Plumbers' supplies.)	20	175,350	783,861	31,050	28,400	235,264	95,190	137,505	256,452
20	Bread and other bakery products	336	1,206,675	1,245,460	288,190	354,580	215,923	140,026	45,202	201,449
21	Brick and tile. (See also Clay and pottery products.)	43	174,125	456,449	86,200	16,200	102,899	12,650	130,950	107,550
22	Bridges	3	21,450	83,500	.....	.....	21,000	6,000	28,000	28,500
23	Brooms and brushes	23	113,350	261,442	1,500	35,600	31,235	28,745	99,332	65,030
24	Carpentering	389	507,100	1,579,966	227,630	227,620	124,135	107,830	366,075	526,076
25	Carpets, rug	30	61,350	22,360	5,510	4,800	3,605	1,977	2,826	3,642
26	Carriage and wagon materials	24	180,000	618,646	10,000	40,166	174,940	154,900	117,825	120,815
27	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	80	813,500	4,541,688	352,245	376,152	317,258	561,621	844,624	2,089,788
28	Cars and general shop construction and repairs by steam railroad companies.	7	.....	201,294	24,650	30,990	56,681	44,229	35,744	.....
29	Cheese and butter, urban dairy product	29	16,300	107,745	76,600	22,600	5,570	500	540	1,935
30	Chemicals. (See also Paints; Varnish.)	8	28,000	597,524	54,700	59,500	125,700	56,430	166,392	134,802
31	China, decorating	4	5,000	4,540	2,000	1,500	325	120	370	225
32	Clay and pottery products. (See also Brick and tile.)	9	27,475	357,511	104,600	86,300	68,350	9,400	56,580	32,272
33	Cloth, sponging and refinishing	3	9,800	4,000	.....	.....	1,700	.....	.....	2,300
34	Clothing, men's, custom work and repairing	496	1,697,070	1,384,449	120,975	143,975	61,252	485,424	131,617	432,206
35	Clothing, men's, factory product	443	3,226,570	12,304,620	263,375	298,500	108,030	1,123,092	5,057,214	5,454,409
36	Clothing, men's, factory product, buttonholes	13	12,900	12,110	2,600	4,500	3,600	30	245	1,135
37	Clothing, women's, dressmaking	1,058	1,340,800	501,670	71,820	97,980	81,720	93,139	50,700	106,311
38	Clothing, women's, factory product	20	329,480	1,234,830	160,300	162,500	25,780	186,200	180,190	519,360
39	Coffee and spice, roasting and grinding	10	170,250	641,032	4,000	20,000	44,400	142,300	51,100	379,232
40	Coffins and burial cases, trimming and finishing	27	50,550	144,895	59,000	37,800	3,140	6,275	5,040	33,550
41	Coffins, burial cases, and undertakers' goods	5	43,660	1,259,455	179,500	287,800	175,255	229,100	80,100	307,700
42	Coke	4	.....	33,660	11,000	5,000	9,480	6,000	2,180	.....
43	Confectionery	162	657,200	580,040	99,200	85,000	87,779	66,267	65,078	176,716
44	Cooperage	53	90,150	635,222	139,980	78,575	92,487	75,900	56,775	191,505
45	Cordage and twine	6	60,800	780,955	76,500	120,300	303,700	98,420	54,675	126,860
46	Cotton goods. (See also Hosiery and knit goods.)	6	380,150	1,206,717	70,420	283,244	173,730	217,193	196,012	266,118
47	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	10	40,575	17,365	.....	.....	3,750	1,940	4,400	7,275
48	Dentistry, mechanical	64	223,625	56,335	8,000	4,900	19,665	5,325	3,685	14,760
49	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	7	21,425	8,405	1,000	3,000	1,175	875	900	1,455
50	Dyeing and cleaning	34	103,160	64,865	22,700	15,800	11,305	1,585	5,200	8,275
51	Electrical apparatus and supplies	6	53,450	296,755	.....	.....	108,341	29,240	106,218	52,956
52	Electroplating	11	54,500	37,085	.....	.....	14,050	4,285	3,795	14,955
53	Enameled goods	4	33,250	116,873	.....	.....	26,632	11,095	12,106	67,040
54	Engraving and diesinking	14	74,300	44,440	.....	2,000	25,625	6,000	2,265	8,550
55	Engraving, wood	21	50,650	63,205	.....	.....	25,575	4,140	19,025	14,465
56	Fancy articles, not elsewhere specified	14	30,925	9,265	.....	.....	3,905	1,675	3,090	595
57	Flavoring extracts	7	33,825	49,385	.....	.....	7,005	9,455	11,550	21,375
58	Flouring and grist mill products	13	128,350	226,459	24,500	35,380	63,304	19,240	16,710	67,325
59	Food preparations. (See also Fish, canning and preserving; Fruits and vegetables, canning and preserving.)	23	73,800	113,755	8,800	10,600	19,040	9,770	32,210	33,335
60	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	126	1,835,150	7,205,405	581,375	463,350	1,816,360	630,394	1,455,162	2,258,764
61	Foundry supplies	4	23,900	241,105	30,000	40,000	36,000	17,535	58,070	59,500
62	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	4	19,450	157,300	10,000	28,000	22,500	12,500	39,500	44,800
63	Fur goods. (See also Hats and caps, not including wool hats.)	3	206,000	233,475	.....	.....	16,800	171,775	44,000	900
64	Furnishing goods, men's. (See also Shirts.)	53	398,250	385,975	5,000	2,700	20,455	64,225	117,960	175,835
65	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	106	341,000	274,015	21,000	21,000	20,645	49,635	69,465	92,270
66	Furniture, chairs	11	62,450	176,875	19,000	30,000	18,808	21,395	49,672	38,000
67	Furniture, factory product	62	696,300	3,955,978	639,375	502,700	345,415	512,547	717,650	1,238,291
68	Glass, cutting, staining, and ornamenting	10	44,100	48,980	7,500	2,000	7,425	9,950	9,280	12,825
69	Grease and tallow. (See also Axle grease; Soap and candles.)	9	31,840	105,610	29,000	8,800	22,800	3,275	12,425	29,310
70	Hairwork	15	66,750	43,035	10,000	10,000	960	7,175	5,275	9,625
71	Hand stamps	7	18,300	5,725	.....	.....	3,300	1,010	415	1,000
72	Hats and caps, not including wool hats. (See also Fur goods; Straw goods, not elsewhere specified.)	14	62,975	32,525	.....	.....	3,290	9,465	4,985	14,785
73	Hosiery and knit goods. (See also Cotton goods; Gloves and mittens; Woolen goods.)	16	82,700	568,970	44,300	41,000	107,150	115,520	114,200	146,800
74	Ice, artificial	3	.....	224,200	35,090	37,250	130,875	.....	.....	20,985

BY SPECIFIED INDUSTRIES: 1890—Continued.

CINCINNATI, OHIO—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$7,586	$4,776	$792	$288	$90	.....	$40	$1,600	98	$50,271	21	$17,509	1	$624	12
125,516	95,788	12,156	4,441	4,430	.....	472	8,229	1,126	562,919	573	326,578	6	2,088	13
156,860	32,085	10,345	14,027	24,643	.....	16,698	59,071	4,137	1,876,620	136	166,937	17	6,868	14
30,571	18,250	6,041	822	50	.....	.....	5,408	129	78,636	53	41,040	.....	.....	15
6,625	2,580	907	676	550	.....	.....	1,912	231	87,982	11	8,556	.....	.....	16
7,773	4,978	959	605	350	.....	300	581	265	77,394	9	10,106	.....	.....	17
11,894	6,650	2,000	1,885	700	.....	.....	650	166	85,530	15	14,034	.....	.....	18
53,912	15,780	4,025	5,002	11,105	.....	4,500	13,500	814	436,699	50	55,500	2	664	19
269,283	108,606	20,555	7,286	9,781	.....	3,073	119,982	1,479	719,741	368	259,530	63	22,009	20
44,035	19,153	2,854	432	6,648	.....	928	14,010	652	268,042	65	48,131	.....	.....	21
2,625	1,715	200	10	500	.....	100	100	110	67,460	8	9,480	.....	.....	22
22,404	10,196	1,511	1,612	2,170	.....	500	6,415	823	179,014	40	36,664	4	2,100	23
340,656	45,638	11,801	5,606	5,055	$223,747	2,405	46,404	2,578	1,769,286	454	420,039	.....	.....	24
5,966	4,072	509	200	210	.....	.....	375	59	29,141	27	16,038	5	2,916	25
52,535	16,153	4,983	5,789	3,645	.....	4,000	17,965	798	371,731	56	51,802	4	1,740	26
374,196	72,665	26,570	45,236	10,941	.....	40,680	178,104	3,880	2,091,265	306	377,240	38	15,731	27
.....	.....	.....	.....	.....	.....	.....	.....	644	332,982	10	6,919	.....	.....	28
3,857	1,460	1,672	82	516	.....	.....	127	66	25,316	28	15,515	3	1,300	29
116,383	2,400	2,784	4,805	8,003	.....	4,455	93,936	167	116,052	44	57,940	.....	.....	30
929	450	56	3	.....	.....	.....	420	4	3,457	2	1,377	2	2,080	31
18,108	1,652	2,793	2,320	2,795	.....	2,765	5,783	292	144,526	17	18,188	3	915	32
1,555	882	18	150	.....	.....	.....	505	26	13,494	5	4,374	1	364	33
244,807	144,966	21,302	8,960	8,739	10,850	1,433	48,617	2,893	1,458,065	456	356,081	148	59,611	34
945,989	218,443	36,576	49,274	8,730	250,000	74,718	308,248	14,532	3,948,636	743	887,007	246	109,734	35
1,904	1,161	197	31	60	.....	.....	455	64	16,692	11	6,119	3	985	36
158,875	123,533	6,334	3,072	1,433	.....	.....	24,503	2,823	932,750	13	13,590	1,076	504,714	37
62,609	23,231	10,269	14,299	5,265	.....	1,143	8,402	1,648	672,677	36	51,392	12	6,124	38
34,093	11,916	2,396	5,584	1,145	.....	3,500	9,552	171	113,660	41	50,060	1	300	39
9,253	4,548	1,527	395	365	.....	.....	2,418	54	37,559	25	20,610	1	300	40
23,602	3,948	6,506	8,058	4,900	.....	100	150	702	359,293	40	55,225	3	2,220	41
1,260	.....	760	.....	500	.....	.....	.....	11	5,861	1	416	.....	.....	42
118,020	46,005	5,996	3,898	2,140	.....	4,840	55,141	797	298,603	150	94,644	106	36,254	43
43,747	8,111	6,390	4,083	2,300	.....	1,210	21,653	922	466,212	73	77,212	1	520	44
55,510	5,880	1,899	7,521	7,560	.....	18,600	14,050	412	187,594	29	52,034	1	520	45
105,539	22,260	6,337	6,398	32,282	.....	19,078	19,184	567	188,357	27	30,044	1	600	46
4,264	3,246	469	224	175	.....	.....	150	37	23,832	10	8,180	.....	.....	47
28,787	20,126	1,197	560	2,245	.....	.....	4,659	113	104,387	66	76,476	1	260	48
2,461	1,928	282	176	25	.....	.....	50	15	7,348	6	4,360	.....	.....	49
16,537	9,284	2,417	801	1,860	.....	.....	2,175	135	59,807	29	19,209	18	8,411	50
16,693	4,809	145	819	8,278	.....	1,051	1,591	95	57,926	20	17,410	1	720	51
8,750	4,909	1,279	507	960	.....	250	845	132	54,935	16	12,142	1	400	52
9,300	2,660	272	1,444	150	.....	477	4,297	85	44,210	7	12,513	.....	.....	53
8,083	6,694	405	289	345	.....	120	230	118	64,409	24	22,592	.....	.....	54
11,173	4,558	226	254	55	.....	25	6,055	132	78,889	23	27,471	1	520	55
3,036	2,795	43	68	.....	.....	.....	130	43	15,044	6	4,696	9	3,792	56
7,134	3,045	375	489	.....	.....	250	2,975	50	26,858	18	14,480	3	788	57
22,470	11,544	2,392	3,429	1,850	.....	2,075	1,180	105	63,657	24	23,492	.....	.....	58
13,057	6,631	1,274	583	577	.....	180	3,812	146	39,357	25	13,446	1	300	59
556,241	165,162	51,380	34,851	33,816	.....	25,040	245,992	5,699	3,414,193	439	502,106	20	10,128	60
31,195	2,150	1,610	1,985	750	.....	1,500	23,200	65	50,032	15	20,500	.....	.....	61
8,160	1,750	760	800	750	.....	300	3,800	332	78,132	10	10,430	1	520	62
17,255	12,360	2,290	1,955	550	.....	.....	100	172	86,018	16	18,666	8	4,500	63
46,134	24,058	2,525	2,621	960	.....	6,060	9,910	982	300,841	79	84,219	26	10,819	64
50,802	32,394	3,964	1,992	845	.....	1,650	9,957	476	276,125	124	91,722	2	760	65
15,236	5,618	1,298	2,290	835	.....	1,462	3,733	314	135,822	23	21,320	1	400	66
263,580	62,578	36,519	40,096	13,745	.....	8,527	102,115	3,134	1,656,855	150	158,169	6	3,000	67
4,883	3,526	196	246	.....	.....	.....	915	71	38,948	15	12,660	.....	.....	68
9,508	3,684	1,847	867	760	.....	1,000	1,350	61	35,562	14	11,812	.....	.....	69
7,382	6,007	806	187	20	.....	.....	362	82	30,173	7	7,300	11	6,516	70
2,852	1,735	181	76	345	.....	.....	515	25	10,466	7	4,980	1	260	71
6,709	4,423	463	658	370	.....	150	645	97	39,195	25	17,093	1	312	72
27,519	6,430	2,769	4,374	4,025	.....	6,840	3,081	763	202,370	26	27,440	3	1,294	73
20,840	.....	1,745	1,020	3,600	.....	4,000	10,475	93	54,950	11	11,160	.....	.....	74

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CINCINNATI, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
12	Boot and shoe uppers	42	$21,218	23	$6,975	1	$130	5	$2,400	5	$1,415
13	Boots and shoes, custom work and repairing	339	151,744	4	685	4	816	200	81,008		
14	Boots and shoes, factory product	1,912	926,983	1,014	323,373	27	3,386	594	320,504	437	128,569
15	Bottling. (See also Liquors, malt; Mineral and soda waters.)	73	36,816	3	780						
16	Boxes, cigar	85	41,192	55	17,940	13	2,028	45	15,995	22	2,271
17	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	36	17,212	177	43,160	17	2,548	23	3,900		
18	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	116	52,156			5	780	30	18,560		
19	Brass castings and brass finishing. (See also Plumbers' supplies.)	743	376,137	13	3,514	6	884				
20	Bread and other bakery products	852	395,134	164	34,099	19	2,701	13	5,368		
21	Brick and tile. (See also Clay and pottery products.)	390	157,120			3	365	194	62,426		
22	Bridges	102	57,980								
23	Brooms and brushes	120	65,798	1	100	6	780	456	62,268	55	4,212
24	Carpentering	2,102	1,344,438			3	550	19	4,250		
25	Carpets, rag	15	5,335	4	1,484			10	3,368		
26	Carriage and wagon materials	554	257,526	86	31,799	25	3,787	61	22,650	5	1,375
27	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	2,524	1,262,223	120	35,229	77	15,990	780	371,294	35	13,558
28	Cars and general shop construction and repairs by steam railroad companies.	627	323,783	7	2,280						
29	Cheese and butter, urban dairy product	21	5,355	14	3,146						
30	Chemicals. (See also Paints; Varnish.)	76	45,778	40	10,918	7	1,416				
31	China, decorating										
32	Clay and pottery products. (See also Brick and tile.)	209	96,123	6	2,758	5	962	49	25,200	3	380
33	Cloth, sponging and refinishing	19	8,548			1	208				
34	Clothing, men's, custom work and repairing	637	421,167	607	134,206	17	2,460	901	447,896	126	36,488
35	Clothing, men's, factory product	1,058	740,827	2,007	471,110	27	3,860	5,229	962,230	5,189	763,303
36	Clothing, men's, factory product, buttonholes	9	837	32	7,051	4	550	2	400	3	700
37	Clothing, women's, dressmaking	16	9,628	1,605	380,065	16	1,624	50	12,250	47	10,879
38	Clothing, women's, factory product	528	280,021	591	212,288	10	1,000	33	20,700	438	101,152
39	Coffee and spice, roasting and grinding	83	51,970	38	10,290	8	1,040				
40	Coffins and burial cases, trimming and finishing	27	16,399	1	250						
41	Coffins, burial cases, and undertakers' goods	389	197,359	32	13,167	13	2,760	153	75,540	69	12,547
42	Coke	10	5,445								
43	Confectionery	243	107,088	169	34,911	66	7,386	53	16,320	10	2,000
44	Cooperage	658	298,850					190	89,630		
45	Cordage and twine	275	110,760	99	21,160			8	3,120		
46	Cotton goods. (See also Hosiery and knit goods.)	224	105,663	308	51,478	7	572				
47	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	27	15,652								
48	Dentistry, mechanical	34	24,647	6	1,158	2	286	4	1,560		
49	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	9	2,988								
50	Dyeing and cleaning	44	20,426	42	11,449	2	312				
51	Electrical apparatus and supplies	72	39,224	1	416	1	156				
52	Electroplating	76	31,820	3	1,016			36	9,557		
53	Enameled goods	70	29,437	8	2,260						
54	Engraving and diesinking	87	38,915	1	416	2	306	4	2,180		
55	Engraving, wood	83	42,714	1	250	15	1,814	9	6,120		
56	Fancy articles, not elsewhere specified	4	1,716	10	2,244	2	312			7	1,784
57	Flavoring extracts	16	9,346	12	2,114	1	130				
58	Flouring and grist mill products	70	38,365	11	1,800						
59	Food preparations. (See also Fish, canning and preserving; Fruits and vegetables, canning and preserving.)	62	19,326	24	3,952	4	533	20	1,440	10	360
60	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	4,883	2,678,662	2	728	9	1,638	346	220,931		
61	Foundry supplies	50	29,532								
62	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	64	24,357	162	36,455					5	1,170
63	Fur goods. (See also Hats and caps, not including wool hats.)	31	17,120	41	15,212					76	30,520
64	Furnishing goods, men's. (See also Shirts.)	62	32,560	140	33,055	3	546	404	86,960	268	52,682
65	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	296	163,015	7	1,782	11	1,718	34	16,786	2	342
66	Furniture, chairs	194	86,032	21	5,732	28	4,030	44	17,958	3	350
67	Furniture, factory product	2,458	1,269,188	71	19,236	61	9,918	365	189,518	20	7,326
68	Glass, cutting, staining, and ornamenting	52	25,328	3	780	1	180				
69	Grease and tallow. (See also Axle grease; Soap and candles.)	47	23,750								
70	Hairwork	1	200	41	10,871					21	5,195
71	Hand stamps	10	3,420	3	500	2	306	2	1,000		
72	Hats and caps, not including wool hats. (See also Fur goods; Straw goods, not elsewhere specified.)	30	10,960	34	7,398	1	156	3	2,340	3	936
73	Hosiery and knit goods. (See also Cotton goods; Gloves and mittens; Woolen goods.)	50	26,814	177	45,310	25	5,640			472	95,872
74	Ice, artificial	82	43,790								

BY SPECIFIED INDUSTRIES: 1890—Continued.

CINCINNATI, OHIO—Continued.

Average number of employés and total wages—continued.		Cost of materials used.						Value of products.			
Pieceworkers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
.....	.....	$54,086	$52,386	.....	.....	.....	$1,700	$141,075	$66,075	$75,000	12
.....	.....	329,397	307,206	$274	.....	.....	21,917	1,269,060	662,076	606,984	13
.....	.....	3,151,004	2,947,548	6,031	$4,921	.....	192,504	6,024,454	6,009,454	15,000	14
.....	.....	238,146	219,496	.....	.....	.....	18,650	462,824	462,824	.....	15
.....	.....	194,570	175,825	2,510	20	.....	16,215	389,795	389,795	.....	16
3	$468	76,177	71,862	50	900	.....	3,365	203,950	203,950	.....	17
.....	.....	130,255	120,115	1,005	1,310	.....	7,825	283,480	282,480	1,000	18
.....	.....	426,379	342,954	13,174	2,540	$40,020	27,691	1,090,681	1,044,081	46,600	19
.....	.....	1,564,021	1,457,585	45,894	430	100	59,962	3,168,490	3,132,825	35,665	20
.....	.....	87,856	.....	78,181	.....	.....	9,675	559,455	552,335	7,120	21
.....	.....	89,650	87,500	1,800	.....	350	.....	182,000	179,000	3,000	22
132	7,092	223,011	218,496	2,220	.....	.....	2,295	518,390	507,465	10,925	23
.....	.....	3,110,396	2,950,287	1,861	2,042	430	155,776	6,557,222	5,310,805	1,246,417	24
.....	.....	25,500	23,595	.....	.....	.....	1,905	66,625	57,540	9,085	25
7	992	489,218	461,471	7,572	1,010	500	17,765	1,326,436	1,324,901	1,535	26
.....	.....	4,828,390	4,371,506	34,411	1,600	.....	420,873	8,669,312	8,183,615	485,697	27
.....	.....	329,355	325,236	2,006	.....	1,753	360	662,349	460,186	202,163	28
.....	.....	11,641	11,596	.....	.....	.....	45	44,417	44,287	130	29
.....	.....	436,501	407,081	15,210	360	.....	13,850	838,102	838,102	.....	30
.....	.....	1,150	1,150	.....	.....	.....	.....	6,820	5,520	1,300	31
.....	.....	82,459	55,995	18,970	.....	200	7,294	343,146	343,146	.....	32
.....	.....	380	.....	380	.....	.....	.....	20,050	20,050	.....	33
1	156	1,432,702	1,380,219	1,718	200	.....	50,565	4,019,495	3,138,909	880,586	34
33	10,470	8,464,190	8,427,957	4,878	760	.....	30,595	17,951,525	17,872,800	78,725	35
.....	.....	2,613	2,389	25	114	.....	85	27,635	23,035	4,600	36
.....	.....	953,619	856,368	509	.....	.....	96,742	2,460,101	1,599,432	860,669	37
.....	.....	998,183	919,613	5	2,050	.....	76,515	2,285,598	2,249,088	36,510	38
.....	.....	1,791,752	1,760,032	9,590	600	1,565	19,965	2,427,855	2,404,805	23,050	39
.....	.....	91,585	89,520	.....	.....	.....	2,065	183,926	136,626	47,300	40
3	675	536,101	373,831	10,229	.....	1,400	150,641	1,164,100	1,164,100	.....	41
.....	.....	20,523	20,438	.....	.....	.....	85	37,399	37,399	.....	42
.....	.....	710,995	685,626	11,418	.....	.....	13,951	1,400,065	1,397,940	2,125	43
.....	.....	904,041	885,316	2,225	.....	1,250	15,250	1,590,512	1,564,657	25,855	44
.....	.....	775,440	745,530	3,300	.....	22,380	4,230	1,554,860	1,554,860	.....	45
.....	.....	876,146	816,467	8,984	500	6,420	43,775	1,428,204	1,167,204	261,000	46
.....	.....	30,920	28,040	25	270	.....	2,585	78,400	73,050	5,350	47
.....	.....	42,132	41,257	152	68	.....	655	214,996	202,546	12,450	48
.....	.....	5,845	4,592	3	.....	.....	1,250	19,726	19,430	296	49
.....	.....	23,992	20,822	1,820	.....	.....	1,350	131,060	108,170	22,890	50
.....	.....	53,188	41,730	8,510	1,140	.....	1,808	159,580	114,888	44,692	51
.....	.....	21,426	17,692	300	1,769	.....	1,665	112,930	107,430	5,500	52
.....	.....	62,319	57,994	2,025	.....	.....	2,300	176,063	169,063	7,000	53
.....	.....	47,120	46,434	.....	536	.....	150	143,930	141,130	2,800	54
.....	.....	21,825	20,790	175	.....	.....	860	148,344	141,794	6,550	55
5	500	10,985	10,710	.....	.....	.....	275	36,805	34,430	2,375	56
.....	.....	55,475	49,330	120	.....	.....	6,025	116,000	116,000	.....	57
.....	.....	532,842	508,755	7,283	.....	150	16,654	699,588	645,195	54,393	58
.....	.....	143,716	123,433	966	450	.....	18,867	248,445	244,055	4,390	59
.....	.....	4,137,778	3,746,390	88,230	13,794	46,260	243,086	10,090,546	9,809,606	280,940	60
.....	.....	73,360	59,110	12,250	.....	.....	2,000	198,000	198,000	.....	61
90	5,200	117,423	109,517	1,306	.....	.....	6,600	273,500	273,500	.....	62
.....	.....	317,075	314,425	1,050	600	.....	1,000	483,500	483,500	.....	63
.....	.....	405,572	397,200	180	312	.....	7,880	1,000,055	992,715	7,340	64
.....	.....	328,948	308,401	553	212	212	18,870	839,695	721,190	118,505	65
.....	.....	87,965	80,160	1,575	400	205	5,625	290,725	278,900	11,825	66
3	500	1,448,070	1,370,510	14,810	7,840	2,850	52,060	4,208,974	4,202,824	6,150	67
.....	.....	45,590	44,900	345	60	.....	285	120,900	118,600	2,300	68
.....	.....	194,545	191,200	2,185	.....	100	1,060	318,400	318,400	.....	69
1	91	22,815	22,560	5	.....	.....	250	77,550	74,400	3,150	70
.....	.....	5,593	5,362	156	.....	.....	75	25,600	25,300	300	71
.....	.....	31,884	31,002	327	.....	.....	555	100,433	97,128	3,305	72
.....	.....	403,120	391,729	2,220	876	.....	8,295	750,875	747,875	3,000	73
.....	.....	41,800	14,880	26,720	.....	.....	200	207,000	207,000	.....	74

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CINCINNATI, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
75	Ink, printing	3	$60,500	$207,400	.....	.....	$40,000	$39,200	$8,000	$120,200
76	Instruments, professional and scientific	8	27,460	36,610	.....	.....	10,660	13,150	6,875	5,925
77	Iron and steel, forgings	6	40,500	92,600	.....	.....	53,200	16,800	9,300	13,300
78	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	20	145,100	468,760	$4,600	$75,220	80,724	34,905	100,523	172,788
79	Jewelry. (See also Watch, clock, and jewelry repairing.)	8	108,700	1,079,050	.....	.....	83,150	303,900	422,600	269,400
80	Kindling wood	10	13,450	5,435	.....	.....	1,665	1,005	1,000	1,765
81	Lamps and reflectors	3	11,700	2,925	.....	.....	675	550	1,000	700
82	Leather, tanned and curried	21	110,500	3,242,185	224,500	407,100	172,020	220,200	1,407,765	810,600
83	Lime and cement	7	7,850	15,435	5,000	1,800	1,580	550	2,025	3,580
84	Liquors, distilled	4	76,250	1,859,228	248,000	101,700	326,350	114,142	346,267	722,769
85	Liquors, malt. (See also Bottling.)	24	166,375	11,948,743	2,085,175	2,982,844	1,961,713	534,029	1,679,194	2,705,788
86	Liquors, vinous. (See also Liquors, distilled.)	5	21,500	35,055	9,200	10,800	2,275	30	8,2 0	4,500
87	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	9	90,200	1,797,993	160,720	280,896	568,855	84,761	440,968	261,784
88	Lock and gun smithing	37	64,875	35,027	3,700	1,700	11,010	4,280	4,845	9,492
89	Looking-glass and picture frames	23	309,000	606,740	49,000	42,000	73,380	61,075	189,065	192,220
90	Lumber and other mill products from logs or bolts.	12	150,000	1,373,676	208,692	89,183	171,730	497,573	214,887	191,611
91	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	27	241,000	1,120,290	171,864	119,525	208,121	199,731	101,994	319,055
92	Malt. (See also Liquors, malt.)	10	159,500	839,918	97,000	74,500	50,000	27,132	487,236	104,050
93	Mantels, slate, marble, and marbleized	6	107,125	154,683	.....	.....	20,095	12,500	71,417	50,741
94	Marble and stone work. (See also Monuments and tombstones.)	26	151,125	406,059	59,050	24,150	71,263	42,400	51,676	158,420
95	Masonry, brick and stone. (See also Plastering and stuccowork.)	319	347,275	1,748,691	262,930	219,515	178,201	102,355	475,615	510,075
96	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	18	110,700	88,290	4,300	2,700	5,095	29,060	12,875	34,260
97	Millinery and lace goods. (See also Artificial feathers and flowers.)	3	22,000	15,350	.....	.....	600	5,100	5,800	4,350
98	Millinery, custom work	109	566,075	253,300	19,300	22,200	8,285	111,415	36,950	55,150
99	Mineral and soda waters. (See also Bottling.)	15	42,400	130,125	23,850	26,800	49,900	11,950	2,925	14,700
100	Models and patterns	21	54,000	44,359	1,500	3,000	15,850	2,595	4,335	17,070
101	Monuments and tombstones. (See also Marble and stone work.)	19	33,100	232,854	58,500	28,650	18,620	15,945	70,960	40,179
102	Mucilage and paste	3	10,800	2,020	.....	.....	500	145	125	1,250
103	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	9	16,500	5,195	.....	.....	2,485	725	830	1,155
104	Musical instruments, pianos and materials	4	29,225	67,340	.....	.....	15,200	10,440	16,200	25,500
105	Oil, lubricating	3	16,250	41,644	.....	.....	5,692	5,000	8,381	22,571
106	Optical goods	10	34,125	24,880	.....	.....	1,740	8,200	6,185	8,755
107	Painting and paper hanging	440	763,200	645,848	67,350	63,000	59,740	121,767	134,257	199,734
108	Paints. (See also Chemicals; Varnish.)	15	233,000	2,102,534	317,000	385,000	317,078	240,300	435,574	407,582
109	Paper patterns	3	8,300	7,060	.....	.....	200	35	6,550	275
110	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	31	104,975	195,630	10,000	7,800	13,275	11,565	91,800	61,190
111	Paving and paving materials	64	81,600	638,078	46,323	38,550	88,725	84,825	171,725	207,930
112	Photography	33	282,130	57,188	8,000	3,060	25,725	4,495	5,370	10,538
113	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	3	9,500	4,625	.....	.....	1,700	310	65	1,950
114	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	11	100,350	127,995	7,460	7,620	13,300	39,200	11,130	49,235
115	Plastering and stuccowork. (See also Masonry, brick and stone.)	92	94,750	151,280	20,775	31,550	18,515	7,190	31,875	41,375
116	Plumbers' supplies. (See also Brass castings and brass finishing.)	5	79,500	140,400	.....	.....	23,250	39,200	28,050	58,900
117	Plumbing and gas fitting	114	360,750	381,970	48,965	34,600	42,815	59,295	68,010	128,285
118	Printing and publishing, book and job. (See also Bookbinding and blank-book making; Printing and publishing, music.)	110	1,043,570	2,029,373	112,700	118,000	981,462	293,462	146,712	377,037
119	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	74	652,800	1,852,196	172,250	104,400	627,765	78,111	265,091	604,579
120	Refrigerators	3	4,000	43,650	12,000	9,100	7,050	4,400	8,300	2,800
121	Regalia and society banners and emblems	7	52,100	416,325	4,000	1,000	12,275	106,375	138,925	153,750
122	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	49	263,600	377,405	11,100	20,521	65,665	70,132	75,135	134,852
123	Saddlery and harness	71	691,600	1,013,284	53,800	85,300	76,470	145,268	303,518	348,928
124	Safes and vaults	9	831,450	1,883,363	45,000	36,000	328,149	351,696	346,406	776,112
125	Sausage. (See also Slaughtering.)	6	13,125	31,067	10,300	11,900	2,405	1,430	1,557	3,475
126	Saws	4	91,575	151,950	.....	.....	42,300	14,950	52,600	42,100
127	Scales and balances	3	12,000	11,580	.....	.....	3,350	2,700	1,200	4,330
128	Sewing machine repairing	5	11,050	1,555	.....	.....	485	150	270	650
129	Shipbuilding	6	5,500	89,880	17,000	13,200	28,775	4,200	15,175	11,730
130	Shirts. (See also Furnishing goods, men's.)	49	83,150	74,240	27,450	13,050	5,935	8,550	7,875	11,380
131	Show cases	3	11,000	67,300	9,000	14,000	10,000	9,500	8,500	16,300
132	Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.)	29	202,750	1,917,405	264,950	318,700	203,425	130,788	504,794	494,748

BY SPECIFIED INDUSTRIES: 1890—Continued.

CINCINNATI, OHIO—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$57,622	$5,440	$1,912	$1,306	$1,500	.....	$1,500	$45,970	101	$75,133	22	$23,908	1	$625	75
3,601	2,334	246	162	360	.....	.....	499	30	21,678	10	9,816	.....	.....	76
5,140	3,640	294	466	540	.....	.....	200	116	55,030	12	12,918	.....	.....	77
29,465	12,335	3,357	1,636	4,417	.....	761	6,959	561	341,196	32	32,460	.....	.....	78
34,814	8,696	2,751	1,942	750	.....	750	19,925	344	217,700	52	61,656	8	2,444	79
1,973	1,344	16	13	220	.....	.....	380	39	14,776	10	7,042	.....	.....	80
1,161	1,050	11	25	50	.....	.....	25	18	9,308	6	4,940	.....	.....	81
146,406	8,840	10,655	17,771	20,015	.....	45,700	43,425	935	539,353	56	77,271	1	360	82
2,135	785	180	.....	205	.....	.....	965	30	12,719	11	7,161	.....	.....	83
8,342,402	6,100	8,230,622	26,260	37,420	.....	5,000	37,000	415	287,252	39	80,690	1	600	84
1,867,925	13,310	1,064,635	39,139	120,245	.....	86,245	544,351	1,732	1,408,605	156	322,161	.....	.....	85
4,670	1,720	891	79	240	.....	.....	1,740	20	6,220	3	1,570	.....	.....	86
132,789	8,114	7,826	11,057	17,120	.....	6,700	81,972	904	530,330	62	127,768	1	520	87
9,505	6,164	797	230	600	.....	.....	1,714	70	39,003	34	22,852	1	260	88
67,190	29,344	9,811	6,209	1,425	.....	3,500	16,901	713	325,539	47	37,000	5	1,490	89
54,382	9,143	4,450	13,431	3,383	.....	12,298	11,677	682	323,287	36	52,795	.....	.....	90
93,592	24,099	11,639	15,148	9,509	.....	5,302	27,805	1,268	845,780	70	82,634	3	1,510	91
36,201	13,000	3,554	6,080	5,019	.....	4,775	3,773	109	70,463	14	14,505	.....	.....	92
17,657	9,640	567	1,270	1,200	.....	580	4,400	141	95,340	24	23,948	1	468	93
74,279	13,600	5,269	1,365	6,530	.....	5,235	42,280	382	240,030	52	51,995	2	864	94
224,569	31,253	11,447	2,306	8,920	$108,450	3,995	58,180	3,845	2,548,664	387	397,761	.....	.....	95
17,238	9,960	1,232	1,111	1,200	.....	.....	3,735	146	69,352	30	24,238	2	970	96
1,572	1,320	67	80	.....	.....	.....	105	91	22,684	3	5,560	.....	.....	97
64,447	50,934	3,933	2,052	1,345	.....	105	6,078	401	152,812	9	5,058	149	69,499	98
12,221	3,816	2,063	1,012	685	.....	175	4,470	121	63,330	18	13,958	.....	.....	99
6,974	4,850	554	290	475	.....	5	800	88	55,457	22	21,528	.....	.....	100
9,774	2,986	2,663	490	1,525	.....	765	1,345	142	107,550	26	29,980	.....	.....	101
2,785	972	200	48	250	.....	.....	1,315	18	9,354	2	1,580	.....	.....	102
2,341	1,480	179	62	225	.....	.....	395	13	9,449	9	7,780	.....	.....	103
4,035	2,630	145	260	.....	.....	.....	1,000	49	30,470	10	10,280	.....	.....	104
6,732	1,462	345	215	271	.....	939	3,500	30	24,720	10	12,500	.....	.....	105
3,801	3,071	150	105	10	.....	.....	465	22	17,000	13	11,108	.....	.....	106
108,374	72,510	6,131	2,652	2,635	.....	436	21,010	1,907	1,214,249	502	386,507	3	535	107
204,713	17,082	13,829	9,955	13,704	.....	15,572	134,571	348	247,477	75	97,067	3	1,680	108
927	744	16	21	50	.....	30	66	5	3,874	2	2,500	.....	.....	109
63,057	9,448	1,310	509	470	.....	2,600	48,720	151	83,727	49	47,389	7	2,309	110
49,230	7,752	1,935	418	3,640	.....	1,490	33,995	1,836	804,965	84	93,011	1	468	111
27,620	21,159	989	631	460	.....	150	4,231	181	107,483	37	41,404	17	7,859	112
1,333	855	5	13	50	.....	30	380	10	8,304	4	5,444	.....	.....	113
37,218	9,030	748	1,544	1,411	.....	3,083	21,402	144	62,010	20	27,776	1	208	114
22,495	9,097	1,043	200	495	.....	70	11,590	485	334,122	98	81,511	.....	.....	115
15,405	6,360	2,082	747	650	.....	2,500	3,066	69	41,420	15	14,242	2	812	116
55,005	34,206	6,119	2,282	2,570	.....	524	9,304	674	447,413	148	136,790	3	962	117
211,084	83,161	18,416	19,806	9,025	.....	5,252	75,424	1,605	971,269	226	234,889	16	5,772	118
711,940	45,693	16,114	10,949	16,601	.....	7,232	615,351	1,431	980,537	201	221,012	47	17,319	119
4,245	400	300	200	345	.....	.....	3,000	40	18,900	5	4,830	.....	.....	120
104,221	4,686	1,900	2,365	1,125	.....	3,600	90,545	493	176,122	47	57,234	11	7,400	121
62,376	23,723	4,183	2,609	3,719	.....	1,200	26,852	443	261,140	75	63,223	4	2,226	122
102,701	48,337	8,458	9,187	4,350	.....	3,600	28,769	1,167	673,987	173	143,421	2	766	123
347,318	74,827	17,642	13,017	5,270	.....	19,585	216,977	2,041	1,154,303	173	111,347	22	8,884	124
1,712	1,245	105	37	75	.....	.....	250	26	13,403	8	4,928	.....	.....	125
75,818	8,240	1,204	1,474	2,400	.....	2,000	60,500	243	112,404	18	15,996	.....	.....	126
1,880	1,200	62	143	.....	.....	.....	475	18	12,226	5	4,640	.....	.....	127
1,491	1,276	30	10	.....	.....	.....	175	7	3,721	4	2,692	.....	.....	128
5,296	432	1,222	1,852	525	.....	.....	1,265	167	87,931	7	6,229	.....	.....	129
10,769	6,734	825	307	515	500	.....	1,888	239	85,952	26	22,412	30	12,382	130
3,350	990	610	840	460	.....	.....	450	74	38,790	6	6,122	.....	.....	131
116,770	19,290	11,141	7,444	15,800	.....	17,999	45,096	629	416,304	83	107,012	2	2,709	132

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CINCINNATI, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
75	Ink printing	70	$45,480	3	$2,820			5	$2,300		
76	Instruments, professional and scientific	18	11,050	2	812						
77	Iron and steel, forgings	104	42,112								
78	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	529	308,736								
79	Jewelry. (See also Watch, clock, and jewelry repairing.)	231	134,867	40	10,013	3	$520	10	8,200		
80	Kindling wood	23	7,110			6	624				
81	Lamps and reflectors	8	3,328	1	260	3	780				
82	Leather, tanned and curried	865	454,073	2	575	1	234	10	6,810		
83	Lime and cement	11	3,638					8	1,920		
84	Liquors, distilled	359	198,432			1	250	15	7,280		
85	Liquors, malt. (See also Bottling.)	1,548	1,169,716			28	6,728				
86	Liquors, vinous. (See also Liquors, distilled.)	17	4,650								
87	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	514	320,001	290	60,546	18	2,728	10	18,767		
88	Lock and gun smithing	29	14,096			2	260	4	1,535		
89	Looking-glass and picture frames	544	241,564	29	8,452	22	3,373	66	39,660		
90	Lumber and other mill products from logs or bolts.	599	262,667			41	6,825	6	1,000		
91	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	1,175	754,569			8	1,471	12	5,596		
92	Malt. (See also Liquors, malt.)	95	55,958								
93	Mantels, slate, marble, and marbleized	88	48,694	2	650			26	21,580		
94	Marble and stone work. (See also Monuments and tombstones.)	323	185,141	1	500			4	1,530		
95	Masonry, brick and stone. (See also Plastering and stuccowork.)	3,405	2,132,313			7	2,020	46	16,570		
96	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	54	22,333	18	4,909	3	452	24	13,330		
97	Millinery and lace goods. (See also Artificial feathers and flowers.)	2	1,040	86	16,084						
98	Millinery, custom work	3	1,412	200	74,931	5	772			5	$1,140
99	Mineral and soda waters. (See also Bottling.)	103	49,372								
100	Models and patterns	59	31,013	1	416			6	2,500		
101	Monuments and tombstones. (See also Marble and stone work.)	113	75,670					3	1,900		
102	Mucilage and paste	12	6,110					4	1,664		
103	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	2	814					2	840		
104	Musical instruments, pianos and materials	37	19,878			2	312				
105	Oil, lubricating	18	11,320	2	900						
106	Optical goods	7	5,528			2	364				
107	Painting and paper hanging	1,201	735,140	11	2,988	13	1,714	174	86,429	3	936
108	Paints. (See also Chemicals; Varnish.)	262	146,832	6	1,560	2	338				
109	Paper patterns	3	1,374								
110	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	45	27,517	43	5,804	7	708				
111	Paving and paving materials	1,745	708,311					6	3,175		
112	Photography	77	42,658	41	12,694	3	442	4	1,596	2	830
113	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	5	2,080					1	780		
114	Pickles, preserves, and sauces. (See also Fruits and vegetables, canning and preserving.)	52	19,502	50	10,462	6	1,062			15	3,000
115	Plastering and stuccowork. (See also Masonry, brick and stone.)	381	250,797					6	1,814		
116	Plumbers' supplies. (See also Brass castings and brass finishing.)	50	25,846			2	520				
117	Plumbing and gas fitting	514	308,277			8	1,854	1	30		
118	Printing and publishing, book and job. (See also Bookbinding and blank-book making; Printing and publishing, music.)	985	597,379	225	61,529	53	8,894	90	60,340	10	2,466
119	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	695	469,730	127	42,338	10	1,794	351	228,344		
120	Refrigerators	33	13,620					2	450		
121	Regalia and society banners and emblems	115	36,220	316	74,232	1	100			3	936
122	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	352	189,831			3	460	9	5,400		
123	Saddlery and harness	686	368,920	36	10,608	4	576	261	148,246	5	1,450
124	Safes and vaults	1,476	850,952			38	3,952	332	170,168		
125	Sausage. (See also Slaughtering.)	14	6,660	3	1,800	1	75				
126	Saws	164	73,648			51	12,760	10	10,000		
127	Scales and balances	11	7,136	1	300	1	150				
128	Sewing machine repairing	3	1,029								
129	Shipbuilding	160	81,702								
130	Shirts. (See also Furnishing goods, men's.)	11	7,220	52	12,564			15	5,080	105	26,294
131	Show cases	65	31,384			1	156	2	1,128		
132	Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.)	517	297,025	4	2,000			20	7,411		

BY SPECIFIED INDUSTRIES: 1890—Continued.

CINCINNATI, OHIO—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued. Piecoworkers—Continued. Children. Number.	Children. Wages.	COST OF MATERIALS USED. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	VALUE OF PRODUCTS. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
		$318,460	$287,300	$4,660			$26,500	$683,000	$683,000		75
		28,855	28,445		$410			65,655	63,225	$2,430	76
		133,870	120,500	2,760	200	$1,210	9,200	219,630	215,930	3,700	77
		371,523	363,463	5,075			2,985	896,202	865,162	31,040	78
		848,175	839,920	1,475	1,730	200	4,850	1,317,000	1,317,000		79
		4,137	3,862	90	120		65	24,250	24,250		80
		4,175	4,000	50			125	16,500	10,000	6,500	81
		3,139,687	3,074,960	2,470			62,257	4,142,545	3,134,305	1,008,240	82
		5,580	3,045	2,515			20	27,080	27,080		83
		2,420,977	2,162,410	84,384		9,240	164,943	11,471,673	11,212,133	259,540	84
		2,400,317	2,017,398	162,348		17,621	202,950	7,454,417	7,452,417	2,000	85
		8,970	8,970					29,800	29,800		86
		537,843	517,560	4,594	2,750	100	12,839	1,543,991	1,538,991	5,000	87
		26,461	24,821	30	120		1,490	98,044	75,694	22,350	88
		381,692	354,790	4,732	745	1,500	19,925	982,309	975,199	7,110	89
		847,097	828,920			15,395	2,782	1,462,278	1,458,258	4,020	90
		1,653,710	1,600,025	9,147	2,420	2,970	39,148	2,987,596	2,974,779	12,817	91
		696,911	676,072	20,122		130	587	898,082	897,582	500	92
		150,690	148,103	977		80	1,530	348,215	348,215		93
		204,466	280,618	6,088		3,928	3,832	719,728	695,548	24,180	94
		2,684,765	2,612,245	4,570	150	3,200	64,600	6,459,003	5,667,243	791,760	95
15	$3,120	148,312	145,282	145	600		2,285	311,048	301,548	9,500	96
		23,000	23,000					57,000	57,000		97
		300,101	286,871	95		200	12,935	649,226	613,138	36,088	98
		62,185	50,045	365	200		11,575	213,220	211,720	1,500	99
		17,067	13,807	160	2,300	25	775	98,460	93,700	4,760	100
		84,601	81,926	1,558		32	1,085	280,910	254,375	26,535	101
		6,113	5,728	25	260		100	20,547	20,547		102
		6,776	6,518	3	100		155	23,690	7,540	16,150	103
		83,800	82,800				1,000	148,000	104,000	44,000	104
		73,550	71,000	300	250		2,000	130,000	130,000		105
		17,153	16,758		65		330	49,832	41,332	8,500	106
		841,631	801,561	140			39,930	2,662,599	2,242,299	420,300	107
		1,181,483	1,053,224	13,020		10,410	104,829	2,063,678	2,063,678		108
		969	949				20	11,100	10,500	600	109
		110,957	95,059	48	100		15,750	356,105	354,385	1,720	110
		1,074,863	1,060,338	3,950			10,575	2,246,023	2,047,363	199,260	111
		56,317	55,555	82			680	250,715	248,615	2,100	112
		1,070	790		155		125	12,050	8,350	3,700	113
		199,320	140,410	2,390			56,520	445,855	445,855		114
		231,611	227,341				4,270	694,246	572,686	121,560	115
		197,956	192,616	800	440	50	4,050	363,227	357,227	6,000	116
		650,748	633,434	1,259			16,055	1,455,915	1,288,650	167,265	117
		2,010,245	1,928,071	13,131	13,641		55,402	3,934,846	3,917,942	16,904	118
		561,871	504,728	10,128	3,135		43,880	2,951,826	2,949,082	2,744	119
		14,850	14,350	200	200	100		60,000	60,000		120
		335,205	306,480	375	1,500		26,850	773,850	773,850		121
		745,322	723,712	3,311	600		17,699	1,336,120	1,270,250	65,870	122
		1,602,011	1,568,773	2,573	1,865	150	28,650	3,636,707	3,581,389	55,318	123
		1,228,709	1,194,499	18,610	250	50	15,300	3,321,257	3,310,257	11,000	124
		36,180	35,425	720			35	64,510	63,010	1,500	125
		93,170	71,450	3,600		18,120		325,800	321,800	4,000	126
		10,600	10,500				100	29,045	18,600	11,045	127
		975	950				25	9,200	1,500	7,700	128
		80,100	73,000	1,400			5,700	205,450	179,250	26,200	129
		73,676	70,959	17	520		2,180	209,130	174,370	34,760	130
		41,440	36,950	320	720		3,450	108,200	103,200	5,000	131
3	156	5,741,815	5,405,405	26,832			249,578	6,903,303	6,834,665	68,638	132

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CINCINNATI, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
133	Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.)	54	$76,075	$298,085	$94,850	$71,250	$30,690	$15,000	$22,840	$63,455
134	Soap and candles. (See also Grease and tallow.)	16	235,800	1,699,809	65,500	870,250	252,667	62,063	253,458	195,871
135	Springs, steel, car and carriage	4	28,350	159,644	1,000	19,138	32,278	17,046	26,361	63,821
136	Stationery goods, not elsewhere specified	5	10,850	54,965	15,000	11,500	6,025	2,725	9,600	10,115
137	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	3	40,000	185,500	10,000	14,000	57,500	19,500	28,500	56,000
138	Stencils and brands	3	5,350	1,290	.....	.....	325	190	135	640
139	Stereotyping and electrotyping. (See also Type founding.)	3	34,250	26,215	.....	.....	22,500	550	15	3,150
140	Surgical appliances. (See also Artificial limbs.)	6	43,300	17,200	.....	.....	4,875	2,350	7,375	2,600
141	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	123	378,500	741,694	86,106	77,275	169,545	86,795	117,690	204,289
142	Tobacco, chewing, smoking, and snuff	8	95,215	73,250	5,000	4,000	22,000	19,544	8,515	14,200
143	Tobacco, cigars and cigarettes	337	1,048,950	1,354,071	81,100	92,100	66,652	442,534	157,941	513,744
144	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	7	21,200	63,925	3,000	2,000	25,675	4,930	12,680	15,640
145	Toys and games	4	13,650	62,005	15,000	16,000	8,060	3,340	13,075	6,530
146	Trunks and valises	11	211,550	191,095	.....	.....	11,945	33,865	73,415	71,870
147	Umbrellas and canes	14	82,175	71,660	12,000	4,000	2,325	18,200	29,755	5,380
148	Upholstery materials. (See also Woolen goods.)	3	15,000	213,500	16,000	35,300	17,900	57,500	44,525	42,275
149	Varnish. (See also Paints.)	9	133,500	157,435	8,700	10,200	14,160	20,525	50,800	53,050
150	Vinegar and cider	9	44,325	77,402	2,000	1,000	29,250	8,805	11,522	24,825
151	Washing machines and clothes wringers	13	28,525	15,080	2,000	1,200	2,355	1,780	1,870	5,875
152	Watch, clock, and jewelry repairing. (See also Jewelry.)	102	258,400	163,850	28,400	32,250	23,980	19,580	28,940	30,700
153	Window shades	4	46,000	30,400	.....	.....	5,600	9,600	5,800	9,400
154	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	16	31,000	329,694	22,000	83,000	54,125	35,825	33,595	101,149
155	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	19	117,850	223,303	4,500	4,200	79,035	40,130	56,677	38,761
156	All other industries (a)	94	873,275	5,414,139	373,550	712,225	959,806	661,297	1,190,525	1,516,736

CLEVELAND, OHIO.

1	All industries	2,307	8,217,164	69,732,761	6,962,936	8,782,511	18,228,505	5,971,571	9,915,966	19,871,272
2	Awnings, tents, and sails	8	27,650	31,670	1,000	1,200	4,700	13,139	4,481	7,150
3	Baking and yeast powders	7	59,545	102,661	100	250	9,552	15,509	2,750	74,500
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	100	122,400	112,083	47,070	25,085	13,980	5,008	4,461	16,479
5	Bookbinding and blank-book making. (See also Printing and publishing.)	8	29,600	33,975	.....	.....	13,900	4,300	5,350	10,425
6	Boot and shoe uppers	4	12,500	4,630	.....	.....	880	1,850	600	1,300
7	Boots and shoes, custom work and repairing	128	115,430	53,310	15,620	7,930	8,406	4,602	6,796	9,956
8	Boots and shoes, factory product	4	37,000	202,720	20,000	25,000	28,450	54,695	9,300	65,275
9	Boxes, cigar	5	12,750	25,771	6,000	3,000	3,171	5,000	4,300	4,300
10	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	7	41,900	123,260	15,000	15,000	55,100	23,200	4,910	10,050
11	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	4	55,500	61,300	1,000	4,100	9,325	25,700	3,000	18,175
12	Brass castings and brass finishing. (See also Bronze castings; Plumbers' supplies.)	13	34,900	143,599	2,500	7,000	72,306	8,650	8,873	44,270
13	Bread and other bakery products	65	147,530	306,126	75,830	91,950	58,625	27,633	9,438	42,650
14	Brick and tile	24	55,725	262,580	107,300	24,075	33,055	1,000	57,000	40,150
15	Brooms and brushes	14	18,200	35,755	5,900	3,400	5,040	9,100	5,265	7,050
16	Carpentering	218	103,665	322,999	76,065	68,960	105,660	77,769	173,735	320,810
17	Carpets, rag	16	11,125	17,182	8,600	4,700	1,143	196	228	2,315
18	Carriage and wagon materials	3	.....	234,150	35,600	20,075	69,050	12,025	19,000	78,400
19	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	50	212,550	411,010	74,100	61,025	36,550	51,265	110,045	78,025
20	Cars and general shop construction and repairs by steam railroad companies.	6	.....	594,088	68,000	316,909	118,889	74,595	15,695	.....
21	Chemicals. (See also Fertilizers; High explosives; Paints; Varnish.)	6	10,300	1,341,018	114,853	551,000	207,852	152,750	116,243	198,321
22	Clothing, men's, custom work and repairing	139	527,405	673,025	61,050	28,800	20,785	317,060	54,850	190,480
23	Clothing, men's, factory product	18	422,570	440,045	.....	.....	23,455	85,779	161,057	169,754
24	Clothing, women's, dressmaking	96	85,845	29,343	5,750	5,050	7,080	1,879	3,190	6,394
25	Clothing, women's, factory product	7	274,155	788,000	.....	.....	22,700	222,500	143,000	399,800
26	Coffins and burial cases, trimming and finishing	3	2,000	9,150	1,000	200	400	1,550	4,400	1,600
27	Confectionery	19	188,450	127,975	3,000	1,500	27,200	20,015	24,080	52,180
28	Cooperage	21	6,615	129,085	25,160	28,550	13,965	28,470	10,015	22,925
29	Corsets	4	13,875	8,696	.....	.....	3,050	2,346	1,800	1,500

a Embraces ammunition, 2; artificial limbs, 2; bellows, 1; bells, 1; belting and hose, leather, 2; bicycle and tricycle repairing, 1; blacking, 2; bluing, 2; brass-ware, 1; calcium lights, 1; carriages and sleds, children's, 1; cars and general shop construction and repairs by street railroad companies, 1; cigar molds, 1; cleansing and polishing preparations, 1, combs, 1; cordials and sirups, 1; corsets, 2; dentists' materials, 1; dyeing and finishing textiles, 1; engraving, steel, including plate printing, 1; felt goods, 1; files, 1; fish, canning and preserving, 1; galvanizing, 1; gas machines and meters, 2; gloves and mittens, 1; glue, 2; gold and silver, leaf and foil, 2; gold and silver, reducing and refining, not from the ore, 1; hand knit goods, 2; hardware, 2; hardware, saddlery, 1; ink, writing, 2; iron and steel, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; ivory and bone work, 1; japanning, 2; jewelry and

BY SPECIFIED INDUSTRIES: 1890—Continued.

CINCINNATI, OHIO—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$35,082	$7,196	$3,477	$1,214	$3,815	.....	$1,110	$18,870	195	$130,959	63	$63,392	1	$300	133
105,589	16,425	4,718	4,503	43,625	$2,400	422	33,496	727	307,377	51	68,626	4	1,512	134
15,705	2,551	804	483	3,219	.....	1,488	7,160	182	96,448	14	19,004	1	500	135
5,503	868	332	278	450	.....	1,005	2,570	41	11,050	7	2,470	.....	.....	136
7,425	3,600	525	300	2,000	.....	.....	1,000	158	89,800	21	21,250	.....	.....	137
605	480	30	10	50	.....	.....	125	4	2,548	3	2,080	.....	.....	138
4,081	3,080	246	255	25	.....	425	50	51	42,826	9	10,500	1	675	139
30,249	3,896	401	146	75	.....	.....	25,731	68	28,840	16	8,344	31	9,676	140
70,003	35,957	7,844	3,356	5,060	.....	2,372	15,414	805	461,932	168	146,693	5	2,680	141
66,562	6,665	58,002	870	525	.....	.....	500	80	30,340	11	11,240	.....	.....	142
481,899	94,405	340,327	9,478	4,415	.....	8,976	24,298	2,762	1,183,603	396	269,647	11	4,532	143
3,895	1,908	252	385	550	.....	.....	800	75	39,766	11	11,844	1	260	144
3,852	1,092	480	750	150	.....	250	1,130	78	38,612	6	6,500	4	832	145
35,672	16,924	920	1,163	770	.....	2,000	13,895	260	145,680	29	35,460	.....	.....	146
9,681	7,394	1,408	439	110	.....	.....	330	92	45,081	24	20,490	3	1,500	147
21,885	1,200	1,600	1,825	1,610	.....	6,500	9,150	131	64,215	7	6,585	.....	.....	148
14,817	6,717	1,055	1,715	1,870	.....	1,590	1,870	67	50,925	28	32,554	.....	.....	149
10,284	4,100	344	683	775	.....	600	3,782	57	36,514	17	13,996	.....	.....	150
3,801	2,566	369	131	95	.....	.....	640	33	18,428	13	8,088	.....	.....	151
34,199	24,555	3,286	1,035	1,563	.....	150	3,550	267	172,491	105	86,400	3	968	152
4,785	3,680	140	415	200	.....	.....	350	54	27,512	10	7,580	.....	.....	153
25,300	2,784	607	1,605	12,285	.....	3,025	4,904	294	185,007	31	28,764	1	600	154
59,514	10,636	1,502	2,259	1,780	.....	.....	43,337	175	87,294	25	27,082	2	1,800	155
425,895	69,861	30,950	32,924	41,022	55,000	46,232	140,906	2,944	1,448,898	281	317,203	22	10,925	156

CLEVELAND, OHIO.

4,902,256	714,236	786,390	328,147	915,245	26,406	328,657	1,803,175	50,674	28,355,505	4,401	4,677,131	358	170,434	1
2,899	2,212	56	209	55	.....	.....	367	79	40,621	13	8,847	.....	.....	2
18,412	5,350	166	746	50	.....	850	11,250	79	35,895	22	20,260	2	604	3
13,427	11,061	920	525	385	.....	.....	536	254	161,494	106	72,997	.....	.....	4
3,222	2,665	84	195	53	.....	45	180	81	38,914	14	12,620	.....	.....	5
1,412	1,000	41	61	.....	.....	.....	310	17	10,380	4	3,830	.....	.....	6
13,982	11,543	385	252	55	.....	25	1,722	251	119,315	125	62,578	2	600	7
9,834	2,590	1,569	2,864	505	.....	2,300	6	272	127,216	13	14,480	1	200	8
1,392	1,020	83	131	140	.....	.....	18	65	22,535	6	4,080	1	400	9
5,855	3,352	278	904	400	.....	15	906	160	51,348	11	10,934	1	208	10
14,990	5,550	1,039	2,360	900	4,800	.....	350	137	59,468	8	7,060	.....	.....	11
6,565	3,142	777	1,033	525	.....	238	850	228	136,457	25	24,062	2	960	12
48,355	14,753	4,021	3,280	4,505	.....	800	20,996	453	268,480	74	63,271	19	5,565	13
15,750	6,687	1,031	1,382	6,125	.....	350	175	453	167,720	9	6,100	.....	.....	14
3,034	1,879	200	365	60	.....	.....	530	92	45,582	18	16,622	.....	.....	15
27,666	11,403	4,039	4,312	3,060	.....	928	3,924	2,391	1,681,079	240	227,873	2	950	16
1,020	704	133	69	40	.....	.....	74	25	9,071	16	6,044	1	490	17
14,196	.....	1,007	1,775	200	.....	40	11,174	143	78,400	11	13,000	.....	.....	18
35,928	19,130	2,283	4,743	3,525	.....	564	5,683	487	307,031	70	65,597	1	500	19
.....	.....	.....	.....	.....	.....	.....	.....	1,156	626,090	31	24,716	2	660	20
35,832	880	7,056	5,546	11,650	.....	500	10,200	303	201,695	32	49,740	2	1,300	21
77,419	58,015	3,533	4,879	153	.....	1,196	9,643	1,039	637,466	172	174,466	.....	.....	22
68,577	29,580	4,351	3,131	400	18,606	3,240	9,269	993	537,319	93	118,835	2	800	23
9,295	7,826	161	47	10	.....	.....	1,251	319	101,610	2	2,500	97	51,332	24
54,750	21,942	1,490	3,423	3,500	.....	5,889	18,506	855	333,710	41	73,100	.....	.....	25
267	210	30	15	.....	.....	.....	12	6	2,000	3	400	.....	.....	26
45,755	16,961	637	960	200	3,000	297	23,700	273	115,716	51	41,099	17	8,185	27
8,004	595	890	2,462	880	.....	2,262	915	289	134,403	10	15,344	.....	.....	28
1,544	1,110	16	78	.....	.....	.....	340	50	15,040	4	2,320	.....	.....	29

instrument cases, 2; lard, refined, 2; lead, bar, pipe, and sheet, 2; leather, dressed skins, 1; lightning rods, 2; mats and matting, 1; musical instruments, organs and materials, 1; oil, cottonseed and cake, 1; oil, resin, 1; paper goods, not elsewhere specified, 1; pens, gold, 1; photographic materials, 1; plated and britannia ware, 1; pocketbooks, 2; printing and publishing, music, 2; printing materials, 1; registers, cash, 1; shoddy, 1; silk and silk goods, 2; smelting and refining, 1; stamped ware, 2; starch, 2; straw goods, not elsewhere specified, 1; sugar and molasses, refining, 2; taxidermy, 1; timber products, not manufactured at mill, 1; tobacco, stemming and rehandling, 1; type founding, 2; typewriters and supplies, 2; woodenware, not elsewhere specified, 1; woolen goods, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CINCINNATI, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
133	Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.)	130	$67,067					1	$200		
134	Soap and candles. (See also Grease and tallow.)	534	212,074	96	$18,705	20	$3,120	22	3,340		
135	Springs, steel, car and carriage	42	23,804					125	53,140		
136	Stationery goods, not elsewhere specified	16	5,326	12	2,760			4	600	2	$500
137	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	127	65,590	8	1,400			2	1,560		
138	Stencils and brands	1	468								
139	Stereotyping and electrotyping. (See also Type founding.)	33	23,695			1	156	7	7,800		
140	Surgical appliances. (See also Artificial limbs.)	13	8,578	4	1,446	3	484			1	312
141	Tinsmithing, coppersmithing, and sheet iron working. (See also Roofing and roofing materials; Stamped ware.)	506	268,715	12	2,400	30	4,914	80	35,930	4	600
142	Tobacco, chewing, smoking, and snuff	29	12,769	21	3,760	14	1,271			5	1,300
143	Tobacco, cigars and cigarettes	388	180,958	183	64,610	54	7,472	1,186	491,172	521	161,887
144	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	63	27,062								
145	Toys and games	64	30,530	4	750						
146	Trunks and valises	138	75,316	20	4,160	18	2,744	55	28,000		
147	Umbrellas and canes	17	9,426	31	10,210	14	2,560	1	520	2	375
148	Upholstery materials. (See also Woolen goods.)	54	27,480	10	2,350			40	22,300	20	5,500
149	Varnish. (See also Paints.)	32	15,641	2	730			5	2,000		
150	Vinegar and cider	38	22,206			2	312				
151	Washing machines and clothes wringers	20	10,340								
152	Watch, clock, and jewelry repairing. (See also Jewelry.)	133	77,385	12	2,836	8	932	6	3,920		
153	Window shades	36	17,808	5	1,500					3	624
154	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	180	104,193	2	600	2	300	78	50,550		
155	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	144	57,792			4	620				
156	All other industries	1,733	846,440	471	139,196	155	34,808	142	79,087	102	16,139

CLEVELAND, OHIO—Continued.

1	All industries	35,048	19,537,845	2,084	524,478	850	159,156	4,957	2,565,433	2,674	661,076
2	Awnings, tents, and sails	49	26,890	17	4,884						
3	Baking and yeast powders	35	11,836	19	2,985	1	150				
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	139	85,347			3	750	6	2,400		
5	Bookbinding and blank-book making. (See also Printing and publishing.)	38	19,991	24	5,443	4	630			1	230
6	Boot and shoe uppers	7	4,600	6	1,950						
7	Boots and shoes, custom work and repairing	73	33,237	6	1,600	1	104	44	21,196		
8	Boots and shoes, factory product	63	31,300	56	15,603	5	800	79	46,222	55	18,611
9	Boxes, cigar	20	8,075			12	2,400			26	7,580
10	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	24	12,797	59	13,237	5	600			60	13,572
11	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	108	49,298	10	2,870	2	240				
12	Brass castings and brass finishing. (See also Bronze castings; Plumbers' supplies.)	193	108,885			5	950	3	1,600		
13	Bread and other bakery products	287	184,198	68	14,468	5	978				
14	Brick and tile	404	156,777			40	4,843				
15	Brooms and brushes	28	13,660	32	6,050	2	550	12	8,700		
16	Carpentering	2,129	1,444,081			10	2,175	10	6,000		
17	Carpets, rag	7	2,452					1	175		
18	Carriage and wagon materials	132	65,400								
19	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	400	232,360	1	300	2	500	13	7,774		
20	Cars and general shop construction and repairs by steam railroad companies.	1,122	600,538			1	176				
21	Chemicals. (See also Fertilizers; High explosives; Paints; Varnish.)	257	147,605	12	3,050						
22	Clothing, men's, custom work and repairing	243	153,244	46	13,449	6	1,350	542	286,650	30	8,308
23	Clothing, men's, factory product	136	94,478	26	6,286			132	118,000	604	198,920
24	Clothing, women's, dressmaking	1	500	208	45,925	10	1,275			1	78
25	Clothing, women's, factory product	71	42,250	33	9,600			103	59,100	607	149,060
26	Coffins and burial cases, trimming and finishing	3	1,600								
27	Confectionery	67	45,710	36	6,750	8	1,200	7	4,084	87	8,688
28	Cooperage	125	58,219			43	8,780	102	52,060		
29	Corsets	2	1,040	32	8,280	1	260	11	3,140		

BY SPECIFIED INDUSTRIES: 1890—Continued.

CINCINNATI, OHIO—Continued.

Average number of employes and total wages—continued. Piecework—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
		$2,131,888	$2,120,952	$4,711	$125		$6,100	$2,607,885	$2,253,405	$354,480	133
		2,834,975	2,782,307	18,822	300	$1,728	31,818	3,826,480	3,826,480		134
		126,284	105,840	6,902	90	2,400	11,052	293,411	293,411		135
		15,036	13,721	90	150		1,075	49,757	49,757		136
		82,616	77,066	1,750		500	3,300	259,500	259,500		137
		1,420	1,420					5,500	5,000	500	138
		24,907	20,472	110	275		4,050	80,576	80,576		139
		9,396	8,221	20	490		665	99,050	97,450	1,600	140
		547,310	502,468	4,623	985	510	38,724	1,318,501	1,143,861	174,640	141
		53,720	46,055	1,525			6,140	164,326	163,926	400	142
23	$3,295	1,133,112	965,959	1,264	120		165,769	3,288,453	3,285,542	2,911	143
		25,062	23,480	65	1,280		237	111,800	111,800		144
		23,450	21,350	600		250	1,250	86,400	85,400	1,000	145
		183,845	172,725	420		100	10,600	510,793	506,293	4,500	146
		65,569	64,969		200		400	157,850	144,400	13,450	147
		150,670	142,950	2,270		800	4,650	298,860	298,760	100	148
		201,565	192,050	1,115			7,800	325,250	325,250		149
		106,015	105,475	790		150	500	194,025	194,025		150
		17,230	16,005	85	100		1,040	49,246	41,446	7,800	151
		110,147	105,126	309	852		3,860	397,260	225,284	171,976	152
		52,850	52,400		200		250	102,050	102,000	350	153
		505,310	485,300	13,020	160	3,000	3,830	750,456	701,436	49,020	154
		155,113	152,308	750	850	50	1,155	360,223	357,619	2,604	155
38	4,200	5,934,996	5,702,545	78,809	5,260	5,480	142,902	9,416,210	9,365,834	50,376	156

CLEVELAND, OHIO—Continued.

302	59,952	65,045,649	57,726,312	3,001,040	47,378	219,060	4,651,859	113,240,115	108,398,127	4,841,988	1
		54,994	54,219	175			600	115,204	109,079	6,125	2
		101,774	93,850	24	600		7,300	244,710	244,210	500	3
		62,577	56,349	4,203		20	2,005	288,703	240,653	48,050	4
		25,956	24,825	17	514		600	83,300	81,300	2,000	5
		10,856	10,256				600	24,500	24,500		6
		65,803	61,805	60			3,938	222,901	114,212	108,689	7
		187,711	181,223	1,450	540		4,498	380,896	380,016	880	8
		16,292	13,200	192	350		2,550	46,000	46,000		9
		47,307	43,559	388	760		2,600	116,737	116,737		10
		122,445	119,755	2,250	240		200	221,180	221,180		11
		170,270	155,620	4,625	1,045	2,115	6,865	388,375	383,475	4,900	12
		611,625	576,796	15,919		315	18,595	1,171,316	1,171,316		13
		86,828		82,943			3,885	379,600	379,600		14
		55,945	53,565	180	50		2,150	133,050	133,050		15
		2,126,509	1,788,249	2,426	1,708	4,500	329,626	4,319,114	4,237,253	81,861	16
		11,414	11,290	44			80	24,446	24,046	400	17
		122,651	97,034	5,400		4,000	16,217	310,960	310,560	400	18
		225,060	201,387	3,763	300		19,610	634,742	331,329	303,413	19
		392,078	379,005	6,452		6,621		1,074,922	931,373	143,549	20
		522,955	498,777	22,848	480		850	961,355	613,080	348,275	21
		695,504	689,902	133		50	5,419	1,656,259	1,614,857	41,402	22
		1,211,080	1,205,334	1,750	196		3,800	2,059,392	2,059,392		23
		159,490	158,245		10		1,235	292,385	288,630	3,755	24
		1,223,327	1,215,500	1,285	1,122		5,420	1,918,500	1,918,500		25
		7,207	5,657	50			1,500	9,947	9,947		26
		257,275	240,515	3,103	545		13,022	515,400	515,400		27
		214,355	213,320	710		100	225	380,156	376,256	3,900	28
		11,656	11,000		156		500	32,200	30,700	1,500	29

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CLEVELAND, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
30	Dentistry, mechanical	11	$28,330	$12,320	.....	.....	$3,560	$1,475	$610	$6,675
31	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	7	18,315	8,990	.....	.....	950	2,800	3,355	1,885
32	Dyeing and cleaning	14	62,400	19,855	$2,000	$800	8,508	830	2,700	4,877
33	Electrical apparatus and supplies	5	59,375	397,500	50,000	40,000	185,650	28,250	47,800	45,800
34	Electroplating	5	20,000	17,615	.....	.....	10,250	800	2,140	4,425
35	Engraving, wood	4	7,865	2,225	.....	.....	650	105	270	1,200
36	Flavoring extracts	5	21,445	18,125	3,500	1,800	425	4,300	5,000	3,100
37	Flouring and grist mill products	6	29,655	418,927	36,000	93,000	169,500	33,027	24,600	62,800
38	Food preparations. (See also Fish, canning and preserving.)	6	9,310	10,265	3,600	2,200	1,145	570	550	2,200
39	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	102	447,655	6,831,035	579,975	945,936	1,604,664	526,471	941,473	2,232,516
40	Fur goods. (See also Hats and caps, not including wool hats.)	7	128,615	154,430	.....	.....	1,730	43,200	75,000	34,500
41	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	18	38,900	62,965	7,750	3,100	7,445	12,685	17,100	14,885
42	Furniture, factory product. (See also Furniture, chairs.)	18	90,220	305,747	23,550	23,550	30,600	51,825	36,850	139,372
43	Gas stoves	4	29,335	456,000	20,000	60,000	133,000	75,500	61,000	106,500
44	Glass, cutting, staining, and ornamenting	6	42,055	36,375	.....	.....	2,450	14,200	2,025	17,700
45	Hairwork	10	59,100	15,585	.....	.....	1,710	6,725	3,475	3,675
46	Hand stamps	7	16,825	21,340	.....	.....	13,900	1,370	2,945	3,125
47	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	11	36,200	556,385	23,500	104,000	161,463	42,912	97,121	127,389
48	Hats and caps, not including wool hats. (See also Fur goods.)	9	69,000	126,790	.....	.....	35,325	34,000	7,515	49,950
49	Hosiery and knit goods. (See also Woolen goods.)	8	34,260	153,545	18,000	10,000	24,235	23,550	31,010	46,750
50	Iron and steel	10	400,000	9,344,473	1,153,000	802,000	3,149,460	459,909	1,412,363	2,367,741
51	Iron and steel, bolts, nuts, washers, and rivets	5	56,670	1,068,250	18,363	110,337	341,547	106,248	168,794	322,961
52	Iron and steel, forgings	3	.....	1,099,765	156,850	153,200	406,867	99,209	36,166	256,482
53	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	8	25,445	94,647	28,990	17,900	14,050	9,340	4,650	19,717
54	Jewelry. (See also Watch, clock, and jewelry repairing.)	10	85,660	155,590	.....	.....	16,250	24,300	27,050	87,990
55	Liquors, malt. (See also Bottling.)	16	127,500	3,580,545	342,500	1,273,114	692,488	263,649	363,394	645,400
56	Liquors, vinous. (See also Liquors, distilled.)	6	10,000	94,300	34,000	10,000	3,800	1,500	36,500	8,500
57	Lock and gun smithing	10	12,640	7,920	1,500	1,700	1,640	650	1,545	885
58	Looking-glass and picture frames	15	90,565	230,082	8,000	32,600	30,450	25,837	44,955	88,240
59	Lumber and other mill products from logs or bolts.	3	156,500	269,850	14,000	1,800	8,550	44,000	126,000	75,500
60	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	15	93,500	1,232,482	73,700	143,800	270,155	200,439	67,900	386,488
61	Malt. (See also Liquors, malt.)	3	11,335	306,575	67,575	91,000	24,000	19,000	48,000	57,000
62	Mantels, slate, marble, and marbleized	3	16,500	18,453	.....	2,000	8,025	1,331	4,670	2,427
63	Marble and stone work. (See also Monuments and tombstones.)	6	16,650	24,975	2,000	4,000	4,900	2,925	5,250	5,900
64	Masonry, brick and stone. (See also Plastering and stuccowork.)	68	16,345	539,765	30,800	7,275	57,250	12,015	286,500	145,925
65	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	7	23,780	59,315	6,500	5,000	10,565	18,300	4,600	14,350
66	Millinery, custom work	38	177,000	96,923	5,200	3,900	4,713	44,410	19,115	19,585
67	Mineral and soda waters. (See also Bottling.)	6	7,200	14,968	4,300	925	7,600	513	460	1,170
68	Models and patterns	13	20,750	52,585	8,000	9,000	11,090	1,745	2,745	20,005
69	Monuments and tombstones. (See also Marble and stone work.)	10	15,725	50,417	7,400	2,650	4,535	2,450	20,575	12,807
70	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	5	2,500	11,762	5,100	3,000	750	377	1,335	1,200
71	Oil, lubricating	8	14,000	188,366	28,500	19,500	28,350	12,766	15,250	84,000
72	Optical goods	3	20,000	18,420	.....	.....	1,650	5,230	1,120	10,420
73	Painting and paper hanging	36	148,800	263,433	33,500	38,005	21,740	54,497	37,551	78,140
74	Paints. (See also Chemicals; Varnish.)	15	100,780	1,516,339	116,250	179,500	257,767	176,131	376,003	410,688
75	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	7	13,835	56,915	10,150	6,125	2,680	4,003	22,807	11,150
76	Petroleum, refining	7	15,000	10,426,698	839,930	751,411	2,478,079	352,863	1,299,478	4,704,937
77	Photography	42	210,500	101,484	1,600	4,500	51,134	11,285	9,070	23,895
78	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	3	4,600	14,810	.....	.....	13,000	410	200	1,200
79	Plastering and stuccowork. (See also Masonry, brick and stone.)	12	.....	6,350	.....	.....	2,130	.....	.....	4,220
80	Plumbing and gas fitting	45	127,245	225,980	760	2,200	22,432	41,650	70,050	88,888
81	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	39	280,665	363,173	4,500	17,500	222,850	27,088	16,655	74,580
82	Printing and publishing, music. (See also Bookbinding and blank-book making.)	3	11,140	23,600	.....	.....	15,000	600	4,100	3,900
83	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	51	389,845	1,459,212	50,100	159,870	714,876	98,766	47,426	388,174
84	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	23	33,940	191,850	24,955	46,115	22,873	30,222	14,872	52,813

BY SPECIFIED INDUSTRIES: 1890—Continued.

CLEVELAND, OHIO—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$3,329	$2,833	$4	$62	.....	.....	.....	$430	18	$15,543	12	$12,210	.....	.....	30
5,319	1,740	39	116	.....	.....	.....	3,424	14	6,160	4	2,650	.....	.....	31
7,819	6,240	248	421	$275	.....	$350	285	90	49,082	13	12,600	3	$2,620	32
21,833	5,344	734	1,415	1,500	.....	.....	12,810	298	203,398	18	27,892	6	3,040	33
2,428	1,800	26	83	350	.....	144	25	34	23,199	5	6,300	.....	.....	34
853	708	9	11	.....	.....	.....	125	15	10,950	7	7,100	.....	.....	35
3,314	1,930	212	172	.....	.....	.....	1,000	22	13,620	7	7,450	.....	.....	36
32,502	2,076	4,855	10,281	5,930	.....	7,935	1,425	126	80,476	21	27,060	.....	.....	37
1,738	838	217	110	50	.....	376	147	15	7,860	7	4,830	.....	.....	38
669,149	40,289	33,028	34,792	88,316	.....	88,119	384,605	7,424	4,057,613	404	501,922	14	6,035	39
14,069	10,270	862	1,137	.....	.....	600	1,200	98	50,216	16	22,500	9	3,066	40
5,104	3,889	240	290	60	.....	10	615	70	42,148	15	9,120	.....	.....	41
19,967	8,120	960	2,602	485	.....	1,415	6,385	323	108,543	34	35,230	3	1,075	42
26,080	2,640	2,540	3,000	4,000	.....	9,400	4,500	482	286,941	29	42,400	5	3,000	43
4,863	3,786	95	120	.....	.....	12	850	47	32,430	8	10,300	.....	.....	44
5,932	5,320	149	127	.....	.....	20	316	36	20,818	5	5,524	6	6,660	45
2,970	1,514	45	100	90	.....	.....	1,230	20	14,906	9	9,156	.....	.....	46
21,962	3,257	475	665	1,101	.....	1,674	14,700	553	220,434	27	24,830	2	780	47
9,858	5,520	642	861	310	.....	1,300	1,225	205	107,748	15	18,330	.....	.....	48
9,792	3,406	329	1,187	525	.....	200	4,145	265	67,945	12	14,700	.....	.....	49
560,956	8,256	43,668	17,557	392,139	.....	20,215	79,121	5,826	3,665,580	90	174,559	2	1,200	50
58,668	5,100	5,811	6,216	6,950	.....	1,847	32,744	1,115	485,571	39	58,536	.....	.....	51
27,727	.....	4,142	7,085	16,000	.....	.....	500	450	296,166	21	32,680	1	600	52
7,837	2,290	968	703	1,090	.....	1,200	1,586	141	90,515	18	18,590	.....	.....	53
9,453	6,853	764	785	100	.....	.....	951	109	65,950	20	20,620	6	3,450	54
710,384	10,200	416,069	23,919	51,616	.....	3,040	205,540	516	446,372	76	105,506	.....	.....	55
2,730	900	710	315	250	.....	.....	555	21	12,611	10	7,455	.....	.....	56
1,611	1,264	80	42	75	.....	.....	150	12	6,520	10	5,660	.....	.....	57
14,873	8,151	1,273	2,899	600	.....	200	1,750	281	137,403	22	18,691	1	250	58
25,730	11,500	3,130	6,075	3,500	.....	1,500	25	128	61,268	9	10,000	1	208	59
78,677	10,275	6,868	31,817	13,050	.....	6,561	9,506	883	500,265	56	66,086	2	1,000	60
8,325	1,020	1,390	2,115	2,750	.....	250	800	59	30,858	4	5,088	.....	.....	61
2,196	1,320	106	195	225	.....	.....	350	42	29,452	5	4,190	.....	.....	62
3,084	1,500	334	175	665	.....	210	200	41	20,614	6	6,570	.....	.....	63
6,842	1,470	1,968	300	850	.....	650	1,595	1,042	720,000	76	90,446	.....	.....	64
9,021	2,140	235	356	250	.....	305	5,735	127	56,192	12	10,148	1	250	65
23,479	15,925	567	1,035	165	.....	750	5,037	205	80,146	12	12,080	48	24,030	66
1,739	720	205	94	65	.....	.....	655	24	12,159	7	4,784	1	600	67
3,662	1,868	234	740	425	.....	50	345	99	73,491	14	13,956	.....	.....	68
2,046	1,415	188	115	125	.....	85	118	56	39,815	11	7,880	1	200	69
560	250	52	31	60	.....	.....	167	8	4,825	5	3,125	.....	.....	70
16,377	1,540	723	1,689	625	.....	1,250	10,550	83	61,870	39	34,590	3	1,450	71
2,245	1,800	80	65	50	.....	.....	250	16	12,600	3	6,000	.....	.....	72
20,555	13,391	2,211	1,169	550	.....	371	2,863	593	398,140	107	98,717	8	3,006	73
58,371	8,493	5,563	5,726	15,801	.....	9,638	13,150	352	232,480	76	90,772	7	2,383	74
14,458	1,245	172	166	100	.....	.....	12,775	69	22,417	13	12,000	1	360	75
394,300	13,607	36,921	18,153	104,578	.....	28,293	192,748	1,599	897,133	234	204,779	3	1,520	76
25,769	18,945	546	985	100	.....	24	5,169	201	139,580	77	70,434	13	5,481	77
711	460	58	73	.....	.....	.....	120	23	15,455	4	5,880	2	900	78
.....	.....	.....	.....	.....	.....	.....	.....	66	49,271	12	11,943	.....	.....	79
17,826	11,452	502	744	270	.....	170	4,688	453	319,572	77	80,037	.....	.....	80
33,628	22,568	1,437	2,886	1,200	.....	1,301	4,236	527	304,112	80	87,400	7	3,025	81
2,210	780	150	200	50	.....	.....	1,030	25	18,450	12	12,200	1	250	82
186,566	31,184	5,028	9,644	8,758	.....	6,278	125,674	1,237	868,668	194	198,112	19	6,924	83
10,520	2,715	951	1,165	566	.....	386	4,737	168	94,907	35	33,528	1	450	84

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CLEVELAND, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Pieceworkers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
30	Dentistry, mechanical	4	$2,975	1	$108	1	$250				
31	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	10	3,510								
32	Dyeing and cleaning	24	13,420	19	5,163	1	104	22	$13,500	8	$1,675
33	Electrical apparatus and supplies	272	171,500					2	960		
34	Electroplating	29	16,899								
35	Engraving, wood	8	3,850								
36	Flavoring extracts	8	3,670	7	2,500						
37	Flouring and grist mill products	102	52,876	3	600						
38	Food preparations. (See also Fish, canning and preserving.)	8	3,030								
39	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	5,558	2,855,747	68	13,750	71	14,387	1,309	665,772		
40	Fur goods. (See also Hats and caps, not including wool hats.)	18	10,522	52	13,543	3	585				
41	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	53	32,628			2	400				
42	Furniture, factory product. (See also Furniture, chairs.)	237	122,840	4	852	40	6,056	5	2,490		
43	Gas stoves	407	221,868	5	1,250			36	18,423		
44	Glass, cutting, staining, and ornamenting	38	21,880	1	250						
45	Hairwork	3	1,540	10	6,430	2	461			1	200
46	Hand stamps	8	5,150	1	300	2	306				
47	Hardware. (See also Cutlery and edge tools; Tools, not elsewhere specified.)	413	179,662	42	6,676			27	5,392	42	3,094
48	Hats and caps, not including wool hats. (See also Fur goods.)	50	26,475	18	4,647	2	156	125	37,340	85	20,800
49	Hosiery and knit goods. (See also Woolen goods.)	16	8,298	3	648					207	40,099
50	Iron and steel	5,709	3,483,793			25	6,028				
51	Iron and steel, bolts, nuts, washers, and rivets	332	178,001	3	900	99	17,378	370	175,961	12	1,870
52	Iron and steel, forgings	418	260,886			10	2,000				
53	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	122	71,865			1	150				
54	Jewelry. (See also Watch, clock, and jewelry repairing.)	56	35,365	25	6,250	2	325				
55	Liquors, malt. (See also Bottling.)	440	340,866								
56	Liquors, vinous. (See also Liquors, distilled.)	11	5,156								
57	Lock and gun smithing	2	860								
58	Looking-glass and picture frames	217	113,612	4	1,250			7	3,600		
59	Lumber and other mill products from logs or bolts.	87	42,800					31	8,260		
60	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	808	428,254			13	3,025	4	1,900		
61	Malt. (See also Liquors, malt.)	55	25,770								
62	Mantels, slate, marble, and marbleized	25	16,340	2	312	2	410	8	8,200		
63	Marble and stone work. (See also Monuments and tombstones.)	27	11,584			2	120	6	2,340		
64	Masonry, brick and stone. (See also Plastering and stuccowork.)	958	623,714					8	5,840		
65	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	62	30,428	36	10,612			3	1,800	13	2,054
66	Millinery, custom work			139	43,234	6	802				
67	Mineral and soda waters. (See also Bottling.)	14	6,400			2	375				
68	Models and patterns	84	59,285			1	250				
69	Monuments and tombstones. (See also Marble and stone work.)	40	31,055			4	680				
70	Musical instruments and materials, not specified. (See also Musical instruments, organs and materials.)	3	1,700								
71	Oil, lubricating	37	24,790	3	884	1	156				
72	Optical goods	9	5,250	4	1,350						
73	Painting and paper hanging	461	286,417	3	900	4	1,100	10	8,000		
74	Paints. (See also Chemicals; Varnish.)	210	119,856	14	4,425	4	614	13	7,280	18	5,460
75	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	18	7,432	17	1,195	20	1,430				
76	Petroleum, refining	1,110	573,370			78	15,206	170	101,221		
77	Photography	63	42,831	34	13,909	3	400	8	4,825	3	1,700
78	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	14	7,100	1	375			1	700	1	500
79	Plastering and stuccowork. (See also Masonry, brick and stone.)	54	37,328								
80	Plumbing and gas fitting	357	234,343			18	4,692	1	500		
81	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	369	189,871	58	19,366	7	1,550	6	2,900		
82	Printing and publishing, music. (See also Bookbinding and blank-book making.)	8	4,500	4	1,560						
83	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	670	427,981	72	21,421	3	481	263	205,114	16	8,635
84	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	130	60,479			2	450				

BY SPECIFIED INDUSTRIES: 1890—Continued.

CLEVELAND, OHIO—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.		COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Piecework-ers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
		$6,896	$6,746				$150	$27,475	$24,250	$3,225	30
		4,581	4,421		$60		100	23,391	22,681	710	31
		6,755	5,630	$945	30		150	79,765	52,515	27,250	32
		91,166	69,600	15,616	550		5,400	445,200	445,000	200	33
		13,352	11,800	50	752		750	43,200	43,050	150	34
		1,149	1,074				75	15,100	15,100		35
		43,675	38,450	125			5,100	72,000	72,000		36
		1,977,565	1,850,110	10,500	2,000	$13,100	101,855	2,345,588	2,203,978	141,610	37
		13,146	12,161	60	120		805	30,877	30,827	50	38
		5,552,731	4,922,822	207,062	9,690	49,033	363,224	11,832,334	11,464,012	368,322	39
		136,890	136,500				390	249,284	214,284	35,000	40
		51,181	45,342		909		4,930	125,110	117,010	8,100	41
		523,777	514,944	1,153	600		7,080	823,157	819,957	3,200	42
		371,160	357,000	8,300	360	2,000	3,500	960,000	960,000		43
		163,285	162,970	50	165		100	217,000	214,000	3,000	44
		13,165	12,990				175	48,770	38,170	10,600	45
		4,400	3,875	115	60		350	33,300	33,300		46
		376,319	334,595	13,960	1,509	155	26,100	697,190	684,690	12,500	47
		191,970	167,045	2,100	525	50	22,250	376,975	371,000	5,975	48
27	$4,200	131,605	129,500	145	420		1,540	241,550	241,550		49
		10,489,997	8,295,342	1,859,117			335,538	15,472,199	15,393,204	78,995	50
260	52,925	1,124,405	1,020,151	22,475		48,536	33,243	1,848,170	1,833,170	15,000	51
		709,783	623,233	61,050		5,000	20,000	1,146,250	1,145,250	1,000	52
		101,337	94,024	2,677	36	50	4,550	242,266	242,266		53
		104,571	103,022	965	284		300	249,976	244,476	5,500	54
		897,791	837,527	44,164			16,100	3,011,555	2,841,955	169,600	55
		14,585	14,135				450	36,350	36,350		56
		1,862	1,590	74	3		195	10,750	6,850	3,900	57
		119,965	107,900	400		150	11,515	467,774	467,774		58
		255,700	250,000			5,700		372,500	330,000	42,500	59
		1,386,339	1,353,784	3,255	300	20,000	9,000	2,208,997	2,164,497	44,500	60
		220,731	212,000	8,431			300	267,500	267,500		61
		30,463	29,523	340			600	63,030	56,030	7,000	62
		10,084	9,748	186		50	100	41,800	41,800		63
		612,323	601,148	4,480	20		6,675	1,457,074	1,450,837	6,237	64
		117,363	116,050	102		25	1,186	218,448	210,448	8,000	65
		133,903	129,873				4,030	298,027	287,184	10,843	66
		14,513	14,038	75			400	37,070	37,070		67
		12,022	9,486	200	766		1,570	96,100	90,725	5,375	68
		46,282	45,612	385		250	35	96,959	95,159	1,800	69
		2,335	2,235	50			50	12,140	10,540	1,600	70
		228,582	220,400	2,382			5,800	496,500	496,500		71
		14,290	13,600	30	660			32,500	29,500	3,000	72
		302,138	299,543	102			2,493	820,301	810,401	9,900	73
10	1,690	1,151,280	1,127,274	11,301	180	12,025	500	1,943,986	1,935,338	8,648	74
		61,106	59,771	335		600	400	134,580	134,580		75
4	1,037	8,368,522	5,929,255	166,668			2,272,599	10,588,501	8,542,071	2,046,430	76
		82,849	81,219	60	275		1,295	303,900	303,900		77
		2,860	2,200		60		600	25,250	25,250		78
		27,199	27,149				50	84,825	82,625	2,200	79
		359,606	335,513	910			23,183	783,926	764,052	19,874	80
		178,700	170,088	1,378	3,254		3,980	633,878	633,128	750	81
		3,750	2,500				1,250	25,400	24,400	1,000	82
		617,986	582,468	10,713	5,645		19,160	2,488,148	2,488,073	75	83
		298,189	296,628	563	300		698	464,545	457,605	6,947	84

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CLEVELAND, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
85	Rubber and elastic goods	3	$30,325	$705,672	$15,000	$84,765	$119,859	$146,845	$132,309	$206,894
86	Saddlery and harness	47	114,835	167,609	16,050	19,975	12,827	42,962	36,880	38,915
87	Sausage. (See also Slaughtering.)	8	1,850	9,215	3,700	1,450	2,595	70	125	1,275
88	Shipbuilding	8	6,000	2,562,775	514,500	249,075	553,800	44,500	556,300	644,600
89	Shirts	6	46,625	43,280	.....	.....	3,370	11,525	9,510	18,875
90	Slaughtering and meat packing, wholesale. (See also Sausage.)	9	46,000	630,060	126,500	58,800	96,310	18,600	184,150	145,700
91	Slaughtering, wholesale, not including meat packing. (See also Sausage.)	4	3,700	114,405	25,500	25,900	20,105	2,800	9,000	31,100
92	Soap and candles	4	10,000	53,557	14,000	9,000	8,500	4,700	8,500	8,857
93	Stamped ware. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	5	20,550	420,500	81,000	55,000	158,000	8,000	48,500	70,000
94	Stencils and brands	3	5,000	5,750	.....	.....	2,550	225	1,025	1,350
95	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	50	105,165	195,605	8,460	28,870	40,546	20,265	27,012	70,452
96	Tobacco, chewing, smoking, and snuff	3	69,375	103,000	16,500	8,500	11,500	27,000	7,000	32,500
97	Tobacco, cigars and cigarettes	121	174,635	190,941	20,530	12,505	8,300	59,928	34,907	54,771
98	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	7	31,250	489,279	28,000	63,700	160,790	26,600	135,950	73,339
99	Trunks and valises	4	60,000	77,750	.....	.....	2,250	23,750	23,200	28,550
100	Umbrellas and canes	7	32,700	24,530	2,000	900	1,075	13,850	2,805	3,900
101	Varnish. (See also Paints.)	3	38,000	319,300	5,000	12,000	21,300	57,638	83,931	139,431
102	Watch, clock, and jewelry repairing. (See also Jewelry.)	20	33,400	20,052	1,900	1,800	9,690	2,359	1,603	2,700
103	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	10	55,250	261,268	24,200	46,500	42,104	27,525	63,925	57,014
104	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	8	21,520	56,175	12,000	10,100	20,850	3,200	3,575	6,450
105	All other industries (a)	113	689,714	13,320,541	1,430,801	1,614,599	4,637,419	1,042,350	1,621,609	2,973,763

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1	All industries	212	1,626,764	11,275,137	155,082	2,777,427	4,727,464	1,242,994	1,116,940	1,255,230
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	12	4,540	12,945	2,250	4,750	2,135	802	242	2,766
3	Boots and shoes, custom work and repairing	18	8,580	2,548	205	325	920	727	123	188
4	Boxes, fancy and paper	4	32,200	61,798	2,500	6,000	22,017	15,571	5,716	9,994
5	Bread and other bakery products	14	24,555	44,397	10,250	14,100	6,850	6,119	328	6,750
6	Carpentering	7	700	61,423	8,600	8,800	7,500	3,055	10,350	23,118
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	5	6,600	3,297	.....	.....	1,000	715	377	1,205
8	Clothing, men's, custom work and repairing	5	10,900	12,944	.....	.....	521	8,100	616	3,707
9	Clothing, women's, dressmaking	11	13,350	1,205	.....	.....	890	140	.....	175
10	Dentistry, mechanical	3	5,250	3,550	.....	.....	2,000	550	.....	1,000
11	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	8	25,750	247,248	13,167	62,350	60,124	10,647	39,057	61,903
12	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product.)	4	8,325	22,934	.....	.....	3,700	2,815	2,560	13,859
13	Hosiery and knit goods. (See also Cotton goods.)	29	490,400	3,883,156	17,500	448,923	1,413,826	696,957	741,647	564,303
14	Masonry, brick and stone	4	2,000	11,775	500	1,575	3,500	175	.....	6,025
15	Millinery, custom work	7	17,264	17,174	1,000	2,000	275	9,805	1,505	2,589
16	Painting and paper hanging	11	18,775	12,940	1,050	3,900	1,515	1,650	.....	4,825
17	Plumbing and gas fitting	4	10,240	16,890	.....	.....	3,050	5,225	50	8,565
18	Printing and publishing, newspapers and periodicals. (See also Printing and publishing, book and job.)	5	21,825	22,855	.....	.....	17,300	1,145	125	4,285
19	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	5	7,200	14,046	.....	2,100	2,550	2,600	1,426	5,370
20	Saddlery and harness	3	4,000	2,824	.....	.....	475	680	850	819
21	Tobacco, cigars and cigarettes	7	9,950	31,578	700	3,350	782	6,067	9,350	11,329
22	Watch, clock, and jewelry repairing	4	5,560	1,240	.....	.....	625	415	.....	200
23	All other industries (b)	42	898,800	6,786,370	97,300	2,219,254	3,175,909	469,034	302,618	522,255

a Embraces ammunition, 1; artificial feathers and flowers, 1; artificial limbs, 2; bags, paper, 1; baskets and rattan and willow ware, 1; bellows, 1; belting and hose, leather, 1; bicycle and tricycle repairing, 2; bicycles and tricycles, 1; billiard tables and materials, 2; boot and shoe cut stock, 1; bottling, 2; brass, 1; bridges, 1; bronze castings, 1; cars and general shop construction and repairs by street railroad companies, 1; celluloid and celluloid goods, 1; coffee and spice, roasting and grinding, 2; coffins, burial cases, and undertakers' goods, 2; cork, cutting, 1; cutlery and edge tools, 2; fancy articles, not elsewhere specified, 1; fertilizers, 1; files, 2; fish, canning and preserving, 2; furniture, chairs, 1; galvanizing, 1; gas and lamp fixtures, 2; gas, illuminating and heating, 2; high explosives, 1; hones and whetstones, 1; house furnishing goods, not elsewhere specified, 1; ice, artificial, 2; ink, writing, 1; instruments, professional and scientific, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 2; kindling wood, 1; lead, bar, pipe, and sheet, 1; leather, dressed skins, 1; leather, morocco, 1; leather, tanned and curried, 2; lime and cement, 2; liquors, distilled, 1; lithographing and engraving, 2; mucilage and paste, 1; musical instruments, organs and materials, 2; oil, lard, 1; oil, linseed, 1; oleomargarine, 1; paper, 1; paving and paving materials, 2; perfumery and cosmetics, 2; plumbers' supplies, 1; printing materials, 2; pumps, not including steam pumps, 2; regalia and society banners and emblems, 1; rules, ivory and wood, 2; safes and vaults, 1; screws, machine, 1; screws, wood, 1; sewing machine

BY SPECIFIED INDUSTRIES: 1890—Continued.

CLEVELAND, OHIO—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$40,902	$2,906	$1,495	$1,763	$8,620	.....	$9,882	$16,236	349	$130,459	33	$32,269	.....	.....	85
14,070	10,335	884	978	242	.....	18	1,613	334	174,487	53	47,415	1	$1,000	86
458	185	65	40	.....	.....	.....	168	19	8,612	9	4,800	.....	.....	87
72,921	390	7,569	4,997	44,740	.....	575	14,650	2,030	1,151,262	90	92,200	.....	.....	88
4,767	3,730	93	269	.....	.....	250	425	95	50,097	9	7,064	1	500	89
28,597	4,000	4,055	3,855	5,275	.....	7,735	3,077	427	259,352	66	70,540	1	260	90
1,973	370	375	383	500	.....	.....	345	28	20,708	6	8,280	.....	.....	91
3,291	1,000	456	704	350	.....	300	481	24	17,408	9	9,560	.....	.....	92
28,805	1,850	797	1,758	10,350	.....	14,000	50	329	151,730	19	24,480	.....	.....	93
630	550	20	55	.....	.....	.....	5	9	6,150	3	2,950	.....	.....	94
28,807	9,465	1,409	1,538	2,273	.....	449	13,673	286	161,596	62	44,391	.....	.....	95
10,275	5,550	700	1,425	100	.....	.....	2,500	292	151,183	13	23,700	.....	.....	96
79,053	15,717	55,648	1,222	34	.....	.....	6,432	482	242,306	127	70,678	3	625	97
71,941	2,500	2,147	2,564	8,925	.....	1,200	54,605	245	127,125	22	25,670	1	500	98
8,443	6,600	692	881	100	.....	.....	170	116	56,948	13	12,960	1	520	99
4,306	3,270	93	133	.....	.....	.....	810	30	18,376	8	9,276	1	312	100
19,462	1,800	817	1,394	1,900	.....	2,190	11,361	37	34,151	18	22,186	.....	.....	101
3,959	3,004	131	174	25	.....	.....	625	43	28,689	17	12,830	.....	.....	102
14,040	4,420	2,193	1,587	3,575	.....	.....	2,265	203	136,310	22	15,970	.....	.....	103
4,960	2,367	667	1,126	100	.....	.....	700	100	65,510	15	13,072	.....	.....	104
709,179	60,350	80,995	52,768	63,570	.....	76,381	375,115	7,344	3,546,531	400	553,075	20	10,180	105

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741,435	124,841	108,426	41,978	126,168	$1,282	108,384	230,356	8,939	3,155,950	270	260,277	28	13,750	1
650	454	137	36	.....	.....	.....	23	24	14,032	12	7,632	.....	.....	2
873	858	9	6	.....	.....	.....	.....	22	9,748	14	6,515	.....	.....	3
8,501	2,455	107	615	420	.....	900	3,905	161	53,796	5	3,980	.....	.....	4
3,598	2,210	375	274	7	.....	60	672	51	30,446	15	13,286	3	1,676	5
1,771	70	245	270	295	.....	711	180	69	45,117	7	9,270	.....	.....	6
657	594	.....	6	.....	.....	.....	57	11	6,221	5	3,571	.....	.....	7
1,212	980	43	60	25	.....	4	100	28	12,224	6	4,708	.....	.....	8
1,218	1,202	.....	16	.....	.....	.....	.....	41	14,590	.....	.....	9	5,700	9
584	420	.....	14	.....	.....	.....	150	3	3,920	2	3,820	.....	.....	10
11,899	1,950	1,591	1,333	168	1,282	730	4,845	165	105,191	10	9,354	.....	.....	11
2,145	748	.....	233	75	.....	.....	1,089	26	16 316	7	4,576	.....	.....	12
323,255	37,410	14,122	26,075	74,542	.....	93,774	77,332	4,126	1,383,788	73	93,953	.....	.....	13
370	200	27	18	.....	.....	.....	125	86	54,682	3	3,500	.....	.....	14
1,684	1,381	37	70	.....	.....	.....	196	29	10,000	1	780	12	4,174	15
2,063	1,690	62	161	.....	.....	.....	150	42	25,460	11	9,890	.....	.....	16
1,326	922	.....	64	150	.....	.....	190	26	13,857	6	4,276	.....	.....	17
4,981	1,746	16	191	165	.....	300	2,563	34	19,642	7	5,652	.....	.....	18
881	576	25	50	120	.....	.....	110	25	10,836	3	2,280	.....	.....	19
557	360	.....	27	.....	.....	.....	170	6	3,764	2	1,420	.....	.....	20
5,061	756	3,935	135	25	.....	.....	210	41	21,712	5	2,692	1	1,000	21
527	500	.....	27	.....	.....	.....	.....	4	2,650	4	2,650	.....	.....	22
367,622	67,359	87,695	12,297	50,176	.....	11,806	138,289	3,919	1,297,958	72	66,472	3	1,200	23

cases, 1; sewing machine repairing, 1; sewing machines and attachments, 2; shoddy, 2; show cases, 1; silk and silk goods, 1; sporting goods, 1; springs, steel, car and carriage, 2; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 2; stereotyping and electrotyping, 2; surgical appliances, 1; type founding, 1; upholstery materials, 2; vinegar and cider, 1; washing machines and clothes wringers, 1; wheelbarrows, 1; whips, 1; window shades, 2; wire, 1; woodenware, not elsewhere specified, 2; woolen goods, 1; worsted goods, 1.

b Embraces baskets and rattan and willow ware, 1; boxes, wooden packing, 1; brick and tile, 2; bridges, 1; coffins and burial cases, trimming and finishing, 2; confectionery, 1; cotton goods, 2; cutlery and edge tools, 1; dyeing and finishing textiles, 1; electric light and power, 1; flouring and grist mill products, 1; furniture, factory product, 1; gas, illuminating and heating, 1; hardware, 1; house furnishing goods, not elsewhere specified, 1; iron and steel, 1; iron and steel, pipe, wrought, 1; liquors, malt, 1; lock and gun smithing, 1; lumber, planing mill products, including sash, doors, and blinds, 2; marble and stone work, 1; mineral and soda waters, 2; monuments and tombstones, 1; needles and pins, 2; photography, 2; printing and publishing, book and job, 2; pulp, wood, 1; shoddy, 1; soap and candles, 2; steam fittings and heating apparatus, 1; tinsmithing, coppersmithing, and sheet-iron working, 2; wood, turned and carved, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

CLEVELAND, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
85	Rubber and elastic goods	159	$74,286	9	$2,580	2	$400	10	$1,057	136	$19,867
86	Saddlery and harness	185	91,319	79	26,968	2	306	14	7,479		
87	Sausage. (See also Slaughtering.)	10	3,812								
88	Shipbuilding	1,733	960,912					207	98,150		
89	Shirts	10	5,836	22	8,447			30	20,800	23	7,450
90	Slaughtering and meat packing, wholesale. (See also Sausage.)	360	188,553								
91	Slaughtering, wholesale, not including meat packing. (See also Sausage.)	22	12,428								
92	Soap and candles	15	7,848								
93	Stamped ware. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	249	108,950	10	1,500	16	3,300	35	13,500		
94	Stencils and brands	6	3,200								
95	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	183	99,772	1	208	16	4,225	24	13,000		
96	Tobacco, chewing, smoking, and snuff	13	6,308	6	1,725			125	84,500	135	34,950
97	Tobacco, cigars and cigarettes	103	45,001	37	9,090	8	1,355	188	104,267	15	5,190
98	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	154	74,305	21	6,250	2	400	45	20,000		
99	Trunks and valises	73	33,308	8	2,360	3	600	18	7,200		
100	Umbrellas and canes	10	5,688	9	1,900			2	1,200		
101	Varnish. (See also Paints.)	18	11,440	1	525						
102	Watch, clock, and jewelry repairing. (See also Jewelry.)	24	15,774			2	85				
103	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	224	116,220	7	1,560	3	575	5	1,500	2	485
104	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	84	51,738					1	700		
105	All other industries	4,974	2,437,211	512	114,035	199	38,869	753	292,661	486	100,560

COHOES, N. Y.—Continued.

1	All industries	3,620	1,497,232	1,847	505,150	670	105,532	334	143,769	2,139	626,592
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	12	6,400								
3	Boots and shoes, custom work and repairing	4	1,825					4	1,408		
4	Boxes, fancy and paper	32	15,348	7	1,246	3	499	22	6,707	74	22,944
5	Bread and other bakery products	27	14,207	4	1,069	2	208				
6	Carpentering	62	35,847								
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	1,750					2	900		
8	Clothing, men's, custom work and repairing	1	676			1	156	16	5,670	4	1,014
9	Clothing, women's, dressmaking			32	8,890						
10	Dentistry, mechanical			1	100						
11	Foundry and machine shop products. (See also Steam fittings and heating apparatus.)	149	89,793					6	6,044		
12	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product.)	19	11,740								
13	Hosiery and knit goods. (See also Cotton goods.)	1,206	429,864	706	207,799	72	9,925	228	96,467	1,837	545,204
14	Masonry, brick and stone	83	51,182								
15	Millinery, custom work			16	5,046						
16	Painting and paper hanging	31	15,570								
17	Plumbing and gas fitting	19	9,477			1	104				
18	Printing and publishing, newspapers and periodicals. (See also Printing and publishing, book and job.)	23	12,471			2	350	2	1,169		
19	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	22	8,556								
20	Saddlery and harness	4	2,344								
21	Tobacco, cigars and cigarettes	5	1,506			3	600	23	13,714	4	2,200
22	Watch, clock, and jewelry repairing										
23	All other industries	1,926	788,676	1,081	281,000	586	93,690	31	11,690	220	55,230

BY SPECIFIED INDUSTRIES: 1890—Continued.

CLEVELAND, OHIO—Continued.

Average number of employés and total wages—continued. Piecework—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
.....	.....	$721,567	$704,094	$6,282	$98	$10,543	$550	$970,289	$970,289	.....	85
.....	.....	133,018	123,366	378	.....	10	9,264	364,762	307,968	$56,794	86
.....	.....	29,943	28,585	253	.....	.....	1,105	43,248	43,248	.....	87
.....	.....	1,394,013	1,235,484	25,059	.....	.....	133,470	2,973,300	2,746,200	227,100	88
.....	.....	65,431	65,250	.....	156	.....	25	146,500	146,500	.....	89
.....	.....	4,330,402	4,200,664	13,613	.....	.....	116,125	4,810,993	4,737,434	73,559	90
.....	.....	653,225	651,925	1,300	.....	.....	.....	771,673	735,488	36,185	91
.....	.....	39,746	36,640	1,106	.....	.....	2,000	71,000	71,000	.....	92
.....	.....	209,132	183,327	20,412	650	100	4,643	442,000	442,000	.....	93
.....	.....	2,327	1,600	57	120	.....	550	14,000	14,000	.....	94
.....	.....	210,493	198,878	2,010	100	215	9,290	463,945	429,715	34,230	95
.....	.....	234,105	230,000	175	430	.....	3,500	490,000	490,000	.....	96
1	$100	196,629	195,437	376	120	36	660	576,681	575,757	924	97
.....	.....	182,673	172,151	4,098	640	3,097	2,687	475,580	462,430	13,150	98
.....	.....	45,508	44,998	400	10	.....	100	155,600	152,600	3,000	99
.....	.....	32,620	32,260	.....	110	.....	250	69,796	60,440	9,356	100
.....	.....	329,205	250,870	1,835	.....	.....	76,500	390,602	390,602	.....	101
.....	.....	18,425	16,500	100	.....	100	1,725	57,795	40,415	17,380	102
.....	.....	329,719	325,980	1,700	250	.....	1,789	495,400	495,300	100	103
.....	.....	19,836	18,560	568	365	149	194	114,789	113,075	1,714	104
.....	.....	9,888,509	9,044,002	297,180	6,180	29,465	511,673	16,167,471	16,019,133	148,338	105

COHOES, N. Y.—Continued.

22	3,648	5,739,987	4,980,094	139,429	27,612	13,737	579,115	10,836,260	10,469,814	366,446	1
.....	.....	6,092	5,560	394	.....	.....	138	24,005	14,795	9,210	2
.....	.....	5,968	5,101	180	.....	.....	687	18,726	3,376	15,350	3
18	3,072	75,736	69,145	956	50	641	4,944	149,903	147,740	2,163	4
.....	.....	80,254	75,080	2,553	.....	.....	2,621	124,200	124,200	.....	5
.....	.....	38,277	37,160	667	.....	125	325	107,091	48,045	59,046	6
.....	.....	2,367	2,214	78	.....	.....	75	11,110	4,600	6,510	7
.....	.....	18,811	18,563	169	.....	.....	79	36,839	36,668	171	8
.....	.....	3,850	400	.....	.....	.....	3,450	20,800	.....	20,800	9
.....	.....	1,992	1,786	46	.....	.....	160	10,200	9,350	850	10
.....	.....	64,205	39,021	4,510	2,010	679	17,385	234,221	159,971	74,250	11
.....	.....	10,681	5,950	44	224	175	4,288	38,813	34,863	3,950	12
4	576	2,798,577	2,253,954	26,331	18,650	.....	500,242	5,058,882	5,052,606	6,276	13
.....	.....	43,812	42,812	.....	.....	.....	1,000	101,956	57,208	44,748	14
.....	.....	21,930	21,344	111	.....	.....	475	43,275	36,012	7,263	15
.....	.....	12,410	12,410	.....	.....	.....	.....	42,700	.....	42,700	16
.....	.....	16,042	15,332	80	25	5	600	34,999	31,223	3,776	17
.....	.....	8,030	6,814	596	20	.....	600	34,855	34,855	.....	18
.....	.....	10,409	10,093	131	.....	.....	185	23,797	13,788	10,009	19
.....	.....	3,640	2,240	53	.....	.....	1,347	9,366	6,430	2,936	20
.....	.....	16,814	13,691	115	.....	.....	3,008	48,073	47,965	108	21
.....	.....	475	475	.....	.....	.....	.....	3,900	1,000	2,900	22
.....	.....	2,499,615	2,340,949	102,415	6,633	12,112	37,506	4,658,549	4,605,119	53,430	23

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

COLUMBUS, OHIO.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
1	All industries	708	$2,600,182	$16,178,703	$2,160,424	$2,020,579	$2,900,557	$1,885,440	$2,750,467	$4,461,236
2	Agricultural implements	3	8,500	689,004	27,000	55,000	56,071	17,403	206,616	326,914
3	Awnings, tents, and sails	3	13,000	18,150	.....	.....	1,750	5,100	4,000	7,300
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	58	56,500	62,505	22,725	12,450	7,910	4,980	1,890	12,550
5	Bookbinding and blank-book making. (See also Printing and publishing.)	4	16,000	7,675	.....	.....	4,900	1,275	300	1,200
6	Boots and shoes, custom work and repairing	61	54,019	20,378	8,800	3,150	5,020	1,669	616	1,123
7	Boots and shoes, factory product	3	51,175	172,744	.....	.....	39,000	33,602	34,142	66,000
8	Brass castings and brass finishing. (See also Plumbers' supplies.)	3	3,329	1,765	.....	800	330	205	20	410
9	Bread and other bakery products	28	59,106	228,322	80,975	63,300	31,676	13,995	3,285	35,091
10	Brick and tile. (See also Clay and pottery products.)	11	5,000	196,225	85,100	34,800	28,050	6,300	13,175	28,800
11	Brooms and brushes	6	6,400	68,450	7,900	6,500	10,425	24,450	1,450	17,725
12	Carpentering	13	30,500	43,900	300	150	17,900	13,590	2,420	9,600
13	Carpets, rag	8	2,835	1,735	500	325	460	255	100	35
14	Carriage and wagon materials	4	12,100	236,784	38,000	45,400	55,043	31,859	19,053	46,829
15	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	13	81,800	2,792,531	279,432	336,588	139,725	186,484	898,501	1,041,801
16	Cars and general shop construction and repairs by steam railroad companies.	3	.....	738,397	111,590	129,825	44,519	298,749	113,461	40,253
17	Chemicals. (See also Paints.)	3	32,500	25,000	3,000	3,000	8,500	4,500	4,000	2,000
18	Clothing, men's, custom work and repairing	30	290,600	258,062	2,000	3,000	12,710	145,182	10,065	84,505
19	Clothing, women's, dressmaking	71	118,675	17,366	600	550	10,250	1,100	2,167	2,600
20	Coffee and spice, roasting and grinding	4	54,132	111,500	.....	.....	19,500	35,000	6,000	51,000
21	Confectionery	7	40,750	52,250	700	500	10,325	7,350	10,425	22,950
22	Dyeing and cleaning	8	10,500	16,545	3,400	4,600	4,450	1,325	1,515	1,225
23	Flouring and grist mill products	3	.....	84,055	8,300	15,600	33,600	10,540	2,015	14,000
24	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	24	59,240	1,841,677	260,420	252,416	410,235	169,460	263,980	479,166
25	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	6	23,120	4,782	.....	.....	495	2,620	585	1,082
26	Furniture, factory product. (See also Furniture, chairs.)	5	16,900	367,251	33,000	48,000	37,800	59,027	65,576	123,848
27	Hairwork	5	15,254	2,950	.....	.....	895	1,015	750	290
28	Hand stamps	3	4,500	3,425	.....	.....	2,925	300	120	80
29	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	7	29,520	85,450	11,800	11,000	35,200	8,900	7,050	11,500
30	Jewelry. (See also Watch, clock, and jewelry repairing.)	3	4,650	5,925	.....	.....	2,150	900	1,075	1,800
31	Liquors, malt	3	.....	1,023,000	165,000	410,000	95,000	70,000	103,000	180,000
32	Lock and gun smithing	4	5,900	2,055	.....	.....	1,090	370	175	420
33	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	9	31,650	335,437	33,500	19,000	30,173	74,454	26,380	151,930
34	Marble and stone work. (See also Monuments and tombstones.)	10	4,630	99,735	22,800	5,525	29,100	8,200	6,910	27,200
35	Masonry, brick and stone. (See also Plastering and stuccowork.)	5	2,950	5,935	.....	.....	2,635	800	1,300	1,200
36	Millinery, custom work	17	136,500	35,745	.....	.....	5,505	13,440	7,975	8,825
37	Mineral and soda waters	3	7,500	30,623	4,900	1,600	17,500	1,852	376	4,395
38	Monuments and tombstones. (See also Marble and stone work.)	5	16,500	41,795	9,000	1,000	1,700	6,100	10,900	7,095
39	Painting and paper hanging	14	17,500	16,020	1,300	1,100	3,325	5,585	1,460	3,250
40	Paving and paving materials	5	19,200	219,997	18,433	6,000	45,000	36,500	700	113,364
41	Photography	10	80,500	54,647	.....	.....	26,664	14,438	4,200	9,645
42	Plastering and stuccowork. (See also Masonry, brick and stone.)	7	6,250	16,450	500	800	4,800	2,575	825	6,950
43	Plumbing and gas fitting	11	66,000	87,115	2,000	2,000	4,550	33,375	12,790	32,400
44	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	14	88,674	127,635	31,500	11,500	67,000	4,060	4,050	9,525
45	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	16	203,070	430,231	10,500	9,500	220,600	22,050	26,025	141,556
46	Pumps, not including steam pumps	4	19,400	15,400	.....	.....	5,142	4,650	2,920	2,688
47	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	20	33,600	53,142	6,300	4,300	11,427	12,815	4,125	14,175
48	Saddlery and harness	12	32,750	143,320	23,600	46,600	5,330	10,575	30,700	26,515
49	Shirts. (See also Furnishing goods, men's.)	3	13,650	4,060	.....	.....	1,160	1,500	800	600
50	Slaughtering and meat packing, wholesale. (See also Slaughtering, wholesale, not including meat packing.)	3	.....	35,440	5,500	16,300	4,000	2,190	5,050	2,400
51	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	17	37,150	125,853	40,100	30,250	9,622	11,945	16,158	17,778
52	Tobacco, cigars and cigarettes	27	44,608	89,609	800	3,500	23,130	19,215	11,684	31,340
53	Trunks and valises	4	26,500	37,305	12,000	3,000	505	5,200	10,600	6,000
54	Watch, clock, and jewelry repairing. (See also Jewelry.)	13	40,045	8,862	.....	.....	4,175	1,730	1,480	1,477
55	All other industries (a)	72	565,250	4,984,360	787,149	421,650	1,243,601	434,986	868,233	1,228,741

a Embraces artificial limbs, 1; baskets and rattan and willow ware, 1; boxes, fancy and paper, 2; boxes, wooden packing, 1; cars and general shop construction and repairs by street railroad companies, 1; clay and pottery products, 1; clothing, women's, factory product, 1; coffins, burial cases, and undertakers' goods, 2; cooperage, 1; cordage and twine, 1; cutlery and edge tools, 2; electroplating, 1; engraving, wood, 2; fancy articles, not elsewhere specified, 1; files, 2; food preparations, 1; furnishing goods, men's, 2; furniture, chairs, 1; gas, illuminating and heating, 1; grease and tallow, 1; hardware, 2; hardware, saddlery, 1; hosiery and knit goods, 1; iron and steel, 2; iron and steel, bolts, nuts, washers, and rivets, 2; iron and steel, forgings, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; kaolin and other earth grinding, 1; lamps and reflectors, 1; leather, tanned and curried, 2; lime and cement, 2; looking-glass and picture frames, 2;

BY SPECIFIED INDUSTRIES: 1890—Continued.

COLUMBUS, OHIO.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$1,715,056	$207,355	$302,601	$67,569	$105,826	$158,651	$134,504	$738,550	13,421	$6,865,988	1,195	$1,133,558	173	$74,334	1
33,296	600	2,589	2,557	700	20,800	1,100	4,950	67	53,800	16	17,700	1	540	2
3,520	1,080	30	110	.....	.....	.....	2,300	33	12,871	5	5,200	.....	.....	3
6,226	5,394	198	125	.....	.....	.....	609	148	87,136	62	43,751	.....	.....	4
1,508	1,200	75	96	5	.....	57	75	22	7,077	6	2,952	.....	.....	5
4,911	4,322	110	28	2	.....	.....	449	77	38,727	61	33,535	.....	.....	6
27,625	3,860	740	975	1,050	.....	3,000	18,000	220	90,467	10	20,700	1	250	7
350	267	28	15	25	.....	.....	15	5	2,850	3	2,080	.....	.....	8
11,660	4,758	1,362	632	2,090	.....	252	2,566	233	113,752	48	30,612	8	2,240	9
6,018	500	1,133	460	.....	.....	2,500	1,425	267	111,059	17	15,627	.....	.....	10
26,572	584	635	493	150	19,500	800	4,500	89	40,853	12	8,624	.....	.....	11
5,761	2,948	276	1,087	65	.....	700	685	149	99,045	16	17,195	.....	.....	12
354	228	8	10	.....	.....	.....	108	15	6,206	6	3,328	1	480	13
13,443	1,160	903	1,400	1,040	.....	2,000	7,000	213	82,297	17	13,405	2	600	14
350,598	6,550	11,290	19,347	9,737	21,972	56,341	225,361	1,820	1,022,038	101	126,840	2	784	15
.....	.....	.....	.....	.....	.....	.....	.....	988	576,251	15	10,260	.....	.....	16
3,689	2,600	200	439	300	.....	.....	150	20	12,596	3	3,200	.....	.....	17
27,791	21,828	1,113	1,226	.....	2,396	128	1,100	484	287,430	43	45,941	1	360	18
11,175	9,052	10	21	114	.....	.....	1,978	255	77,795	.....	.....	74	31,639	19
9,147	4,060	819	634	350	.....	300	2,984	55	22,004	11	8,148	.....	.....	20
12,076	2,910	58	284	.....	.....	1,008	7,816	112	29,382	23	12,896	3	1,100	21
1,967	800	177	75	75	.....	.....	840	38	18,654	7	5,428	1	208	22
9,693	.....	626	1,167	200	.....	2,600	5,100	27	16,174	6	5,034	.....	.....	23
176,414	5,330	8,919	5,965	31,942	70,713	17,320	36,225	1,299	734,514	87	103,305	3	1,040	24
2,548	1,935	5	56	75	.....	67	410	19	8,687	7	4,884	.....	.....	25
13,345	1,350	2,290	3,074	900	.....	3,131	2,600	220	118,513	13	17,380	1	480	26
1,360	1,158	.....	17	.....	.....	.....	185	12	4,836	1	520	5	2,808	27
596	476	15	30	.....	.....	75	.....	2	3,976	5	2,620	.....	.....	28
8,009	2,680	682	297	1,750	.....	2,100	500	123	73,506	17	19,004	.....	.....	29
462	385	41	36	.....	.....	.....	.....	17	9,026	2	2,400	.....	.....	30
264,838	.....	160,570	3,000	7,000	.....	.....	94,268	213	152,700	24	31,620	1	500	31
661	536	3	8	.....	.....	.....	114	5	2,548	3	1,508	.....	.....	32
10,765	3,508	1,027	1,130	1,875	.....	1,950	375	124	74,715	22	22,734	.....	.....	33
2,572	520	560	217	550	.....	725	.....	146	51,299	17	9,295	.....	.....	34
1,146	276	15	.....	.....	.....	.....	855	83	82,404	5	6,900	.....	.....	35
12,590	9,784	396	352	.....	.....	.....	2,058	126	48,740	1	1,000	16	11,448	36
3,949	600	55	145	150	.....	.....	2,999	34	18,518	5	4,224	.....	.....	37
7,550	1,476	585	146	100	.....	142	5,101	36	25,022	8	8,500	.....	.....	38
1,961	1,589	38	34	.....	.....	.....	300	90	56,954	17	15,238	.....	.....	39
3,920	1,600	155	565	900	.....	.....	700	792	250,762	10	12,032	2	880	40
6,770	5,405	71	434	60	.....	.....	800	71	42,236	13	13,440	3	1,224	41
740	594	2	.....	.....	.....	.....	144	57	35,125	9	9,600	.....	.....	42
8,892	5,600	736	676	.....	.....	.....	1,874	139	85,694	22	18,408	.....	.....	43
12,913	6,621	1,002	464	135	.....	2,262	2,429	141	68,233	25	18,584	3	1,400	44
95,545	15,038	2,049	2,585	3,600	.....	2,184	70,089	439	283,024	48	47,930	13	3,724	45
1,881	1,764	3	89	.....	.....	.....	25	25	13,692	8	5,652	.....	.....	46
4,201	3,065	455	304	10	.....	12	355	116	68,240	29	21,692	.....	.....	47
6,432	2,980	945	533	227	.....	.....	1,747	127	68,832	24	20,148	1	300	48
2,059	1,140	35	224	30	520	.....	110	37	12,049	3	2,053	1	400	49
475	.....	255	220	.....	.....	.....	.....	24	13,360	4	4,200	.....	.....	50
5,174	3,368	1,055	301	.....	.....	200	250	93	49,101	13	9,176	.....	.....	51
72,761	3,569	64,978	244	418	.....	844	2,708	293	85,461	28	17,687	.....	.....	52
2,931	2,400	217	254	.....	.....	.....	60	46	18,024	6	5,120	.....	.....	53
3,220	2,583	24	25	.....	.....	.....	588	28	17,174	7	4,590	.....	.....	54
410,896	45,378	32,138	15,053	40,201	22,750	32,706	222,670	3,100	1,479,055	215	239,658	30	11,983	55

mantels, slate, marble, and marbleized, 1; mattresses and spring beds, 2; millinery and lace goods, 1; oleomargarine, 1; paints, 2; patent medicines and compounds, 1; plumbers' supplies, 1; regalia and society banners and emblems, 1; saws, 1; slaughtering, wholesale, not including meat packing, 2; soap and candles, 2; stamped ware, 1; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 1; stereotyping and electrotyping, 1; surgical appliances, 1; tools, not elsewhere specified, 1; umbrellas and canes, 1; washing machines and clothes wringers, 1; watches, 1; wheelbarrows, 1; window shades, 1; wire work, including wire rope and cable, 1; wood, turned and carved, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

COLUMBUS, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecework ers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
1	All industries	8,408	$4,214,004	936	$246,428	152	$23,783	1,823	$981,571	696	$184,591
2	Agricultural implements	50	35,560								
3	Awnings, tents, and sails	9	4,373	19	3,298						
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	83	41,507					3	1,872		
5	Bookbinding and blank-book making. (See also Printing and publishing.)	7	2,280	3	641	1	100			5	1,095
6	Boots and shoes, custom work and repairing	14	4,996			2	196				
7	Boots and shoes, factory product	7	5,867	3	1,100	13	1,575	77	38,650	87	20,700
8	Brass castings and brass finishing. (See also Plumbers' supplies.)	2	770								
9	Bread and other bakery products	147	75,112	29	5,644	1	144				
10	Brick and tile. (See also Clay and pottery products.)	250	95,432								
11	Brooms and brushes	45	25,085	7	1,600	18	3,600	6	1,800		
12	Carpentering	133	81,850								
13	Carpets, rag	6	2,132	1	156	1	104				
14	Carriage and wagon materials	181	65,092	13	3,200						
15	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	1,249	625,762	12	3,192	20	4,200	431	260,210		
16	Cars and general shop construction and repairs by steam railroad companies.	627	337,807					346	228,184		
17	Chemicals (See also Paints.)	12	7,996	5	1,400						
18	Clothing, men's, custom work and repairing	40	33,720	10	3,250			196	140,755	194	63,464
19	Clothing, women's, dressmaking			164	40,384	2	312			15	5,460
20	Coffee and spice, roasting and grinding	29	10,336	6	1,080			1	520	8	1,920
21	Confectionery	25	6,480	58	8,594	3	312				
22	Dyeing and cleaning	16	8,920	14	4,168						
23	Flouring and grist mill products	21	11,140								
24	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	1,081	564,446	2	866	16	3,057	110	61,800		
25	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	9	3,476	1	67	1	100	1	160		
26	Furniture, factory product. (See also Furniture, chairs.)	182	88,685	1	204			23	11,764		
27	Hairwork			6	1,508						
28	Hand stamps	4	1,356								
29	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	105	54,190	1	312						
30	Jewelry. (See also Watch, clock, and jewelry repairing.)	15	6,626								
31	Liquors, malt	182	120,328			6	252				
32	Lock and gun smithing	2	1,040								
33	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	102	51,081								
34	Marble and stone work. (See also Monuments and tombstones.)	129	42,004								
35	Masonry, brick and stone. (See also Plastering and stucco work.)	78	75,504								
36	Millinery, custom work	6	2,308	103	33,984						
37	Mineral and soda waters	29	14,294								
38	Monuments and tombstones. (See also Marble and stone work.)	28	17,122								
39	Painting and paper hanging	70	41,227	1	208	2	281				
40	Paving and paving materials	780	237,850								
41	Photography	40	22,002	12	3,270			3	2,300		
42	Plastering and stucco work. (See also Masonry, brick and stone.)	48	25,525								
43	Plumbing and gas fitting	117	67,286								
44	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	88	43,345	6	1,416	1	208	10	2,000	8	1,280
45	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	217	148,004	6	2,392	21	3,396	180	76,878	4	1,600
46	Pumps, not including steam pumps	17	8,040								
47	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	85	46,148			2	400				
48	Saddlery and harness	89	42,584			2	200	11	5,600		
49	Shirts. (See also Furnishing goods, men's.)			12	2,520			2	1,248	10	5,828
50	Slaughtering and meat packing, wholesale. (See also Slaughtering, wholesale, not including meat packing.)	16	8,500	2	300	2	300				
51	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	80	39,925								
52	Tobacco, cigars and cigarettes	34	14,554	5	1,144	6	960	151	36,036	69	15,080
53	Trunks and valises	37	12,184	3	720						
54	Watch, clock, and jewelry repairing. (See also Jewelry.)	21	12,584								
55	All other industries	1,764	918,600	431	119,870	32	4,086	322	111,794	287	68,164

BY SPECIFIED INDUSTRIES: 1890—Continued.

COLUMBUS, OHIO—Continued.

Average number of employés and total wages—continued. Piceworkers—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
38	$7,719	$11,183,710	$10,323,916	$418,239	$9,982	$66,398	$365,175	$22,887,586	$20,802,149	$2,085,437	1
		116,879	101,030	8,077			7,772	254,764	251,764	3,000	2
		23,850	23,480	70	200		100	51,500	50,000	1,500	3
		98,057	95,480	1,802			775	153,607	89,187	64,420	4
		4,555	3,363	102			1,090	15,700	5,675	10,025	5
		18,143	17,746	282			115	66,125	33,944	32,181	6
13	1,625	217,500	215,000	400	1,100		1,000	359,000	359,000		7
		2,176	2,080	96				6,100	3,400	2,700	8
		290,965	272,320	8,276			10,360	482,412	447,412	35,000	9
		30,319		29,826			493	199,807	199,207	600	10
1	144	118,072	107,255	387	100		10,330	201,930	198,330	3,600	11
		115,235	113,650	560	960		65	282,300	270,300	12,000	12
		2,125					2,125	9,450	9,450		13
		112,949	106,379	1,320	250		5,000	273,000	249,000	24,000	14
5	1,050	1,399,997	1,340,360	10,836			48,801	3,199,287	3,150,756	48,531	15
		1,076,550	1,025,610	11,578		39,362		1,670,078	1,121,038	549,040	16
		36,700	35,500	500	200		500	74,000	74,000		17
		290,612	289,028	1,134			450	700,510	346,750	353,760	18
		11,764	3,940	542			7,282	111,618	109,868	1,750	19
		265,533	261,695	1,445	300	1,498	595	328,141	327,876	265	20
		89,178	75,605	1,108	200		12,265	147,500	137,000	10,500	21
		7,158	6,456	278	400		24	32,150	32,150		22
		390,758	370,461	3,415		2,500	14,382	429,750	426,700	3,050	23
		895,327	772,074	70,546	200	1,854	50,653	2,139,185	1,968,678	170,507	24
		11,231	11,128	78			25	25,657	10,253	15,404	25
		104,695	94,054	2,547		7,644	450	258,288	258,288		26
		6,312	6,312					14,330	13,480	850	27
		1,805	1,685		120			8,800	8,800		28
		163,383	149,140	1,693			12,550	315,390	298,910	16,480	29
		6,345	6,230	30	60		25	18,800	1,300	17,500	30
		278,532	257,300	21,232				902,699	902,699		31
		1,205	1,205					5,355	5,355		32
		365,422	348,792	6,035	1,000	5,575	4,020	507,029	491,229	15,800	33
		37,966	35,131	1,060		400	1,375	109,450	95,050	14,400	34
		95,000	95,000					194,000	194,000		35
		48,422	47,672				750	126,945	120,595	6,350	36
		15,744	13,250	474		20	2,000	47,684	47,684		37
		48,040	47,900	40			100	101,642	100,842	800	38
		30,792	30,665	27			100	99,700	86,400	13,300	39
		381,274	369,549	1,700		25	10,000	715,481	715,481		40
		27,690	27,240	250			200	98,445	81,945	16,500	41
		33,327	33,100	227				87,800	77,600	10,200	42
		111,918	111,709	209				242,901	222,532	20,369	43
		65,005	61,038	1,192	1,540		1,235	163,875	133,875	30,000	44
		191,042	170,342	9,135	900		10,665	706,175	703,075	3,100	45
		23,054	22,542	512				41,217	14,217	27,000	46
		143,549	142,144	705			700	262,767	191,787	70,980	47
		77,384	73,840	224	120		3,200	182,100	168,000	14,100	48
		12,353	12,168	25			160	31,360	31,360		49
		111,687	104,832	1,105			5,750	138,676	136,030	2,646	50
		70,956	67,483	473			3,000	140,974	84,612	56,362	51
		72,923	63,624	511			8,788	256,818	256,818		52
		19,840	19,510	80	250			48,000	26,000	22,000	53
		5,363	5,363					32,283	32,283		54
19	4,900	3,067,049	2,715,447	216,095	2,082	7,520	125,905	5,815,031	5,430,164	384,867	55

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

COUNCIL BLUFFS, IOWA.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
1	All industries	128	$260,855	$1,202,283	$188,990	$255,910	$214,839	$151,332	$191,625	$289,587
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	8	6,600	12,650	2,540	460	1,725	2,475	.....	5,450
3	Boots and shoes, custom work and repairing	11	11,884	2,080	.....	.....	730	625	200	525
4	Bread and other bakery products	5	10,500	23,900	6,200	9,000	5,850	2,850	.....	.....
5	Brick and tile	7	5,200	83,925	17,900	15,400	12,100	2,100	30,075	6,350
6	Carpentering	9	3,850	121,600	14,300	11,100	16,100	13,400	25,700	41,000
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	4	.....	131,000	23,500	29,400	6,700	5,400	40,500	25,500
8	Clothing, men's, custom work and repairing	5	20,750	33,895	7,000	3,000	920	13,975	750	8,250
9	Flouring and grist mill products	3	.....	135,550	18,600	20,600	33,500	8,150	4,500	50,200
10	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	3	12,500	10,190	1,500	1,000	7,100	2,140	1,250	6,200
11	Masonry, brick and stone	5	1,000	52,100	4,400	700	3,500	4,400	13,800	25,300
12	Millinery, custom work	3	15,000	7,700	.....	.....	850	4,500	1,750	600
13	Photography	3	17,000	8,200	.....	.....	4,000	1,500	1,500	1,200
14	Plumbing and gas fitting	3	20,500	35,200	.....	.....	3,700	12,500	4,500	14,500
15	Printing and publishing, book and job. (See also Printing and publishing, music.)	3	10,306	8,700	.....	.....	7,200	800	100	600
16	Printing and publishing, newspapers and periodicals.	4	35,715	92,256	4,500	5,000	34,704	5,580	2,150	40,322
17	Saddlery and harness	8	17,250	25,300	3,600	4,100	1,075	2,300	6,675	7,550
18	Tinsmithing, coppersmithing, and sheet-iron working.	7	10,000	29,910	4,500	7,500	5,010	4,000	3,800	5,100
19	Tobacco, cigars and cigarettes	5	6,200	9,460	.....	.....	510	4,800	2,350	1,800
20	Watch, clock, and jewelry repairing	5	4,000	1,250	.....	.....	1,250	.....	.....	.....
21	All other industries (a)	27	52,600	458,417	80,450	148,650	68,315	59,837	52,025	49,140

COVINGTON, KY.

1	All industries	1,308	1,711,012	6,897,280	820,450	848,950	1,583,653	865,327	1,006,569	1,772,431
2	Baskets and rattan and willow ware	4	7,500	2,400	.....	.....	250	575	565	1,010
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	20	14,200	26,190	5,100	2,250	4,875	4,660	2,620	6,685
4	Bookbinding and blank-book making. (See also Printing and publishing.)	3	5,445	2,750	.....	.....	650	845	380	875
5	Boot and shoe uppers	3	8,250	2,020	.....	.....	400	280	490	850
6	Boots and shoes, custom work and repairing	221	237,125	118,017	32,200	39,150	13,750	9,904	7,230	15,783
7	Bread and other bakery products	39	47,265	99,940	26,100	44,700	11,280	5,880	1,640	10,340
8	Brick and tile. (See also Clay and pottery products.)	9	12,150	65,060	36,400	3,500	5,400	300	7,000	12,400
9	Bridges	3	1,700	15,000	5,000	5,000	800	2,500	700	1,000
10	Brooms and brushes	4	6,000	2,295	.....	.....	580	610	230	875
11	Carpentering	267	271,390	641,620	52,450	50,950	54,510	63,925	164,985	254,800
12	Carpets, rag	13	18,100	5,360	500	700	1,170	765	885	1,340
13	Carriage and wagon materials	6	7,225	4,415	500	100	740	1,405	535	1,135
14	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	3	.....	43,500	16,000	9,500	1,500	1,800	3,100	11,600
15	Cheese and butter, urban dairy product	8	4,775	19,850	12,500	3,850	2,200	.....	495	805
16	Clothing, men's, custom work and repairing	14	46,115	145,880	11,000	7,000	2,385	40,000	26,900	58,535
17	Clothing, men's, factory product, materials furnished.	22	17,755	46,025	12,250	12,300	6,830	3,045	3,155	8,445
18	Clothing, women's, dressmaking	46	40,900	36,195	9,400	11,550	4,395	2,345	2,480	6,025
19	Coffins and burial cases, trimming and finishing.	10	8,825	32,730	8,300	4,700	180	5,900	3,950	9,700
20	Confectionery	18	33,415	21,003	500	1,000	7,485	1,420	2,253	8,345
21	Cooperage	18	22,000	30,260	3,900	4,250	2,865	7,030	3,000	9,215
22	Corsets	4	3,775	570	.....	.....	215	160	75	120
23	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	3	1,200	2,010	400	300	160	80	260	810
24	Dyeing and cleaning	6	7,100	6,420	1,900	2,100	920	300	370	830
25	Fancy articles, not elsewhere specified	3	3,000	1,090	.....	.....	245	390	125	330
26	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	9	11,800	166,746	21,000	21,393	58,927	14,700	15,452	35,274
27	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	48	55,525	46,783	7,000	6,400	5,355	6,585	5,983	15,460
28	Hand knit goods	3	2,450	645	.....	.....	150	180	85	230
29	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	6,740	6,300	.....	.....	2,400	1,100	800	2,000
30	Lock and gun smithing	11	16,300	15,145	700	1,000	2,970	1,500	2,660	6,315
31	Looking-glass and picture frames	6	5,690	4,645	1,000	600	550	490	705	1,300
32	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	9,550	67,700	1,000	2,000	10,700	13,000	13,000	28,000

a Embraces bottling, 2; cars and general shop construction and repairs by steam railroad companies, 2; clothing, women's, dressmaking, 2; confectionery, 2; cooperage, 1; dyeing and cleaning, 2; fruits and vegetables, canning and preserving, 1; furniture, cabinetmaking, repairing and upholstering, 1; grease and tallow, 1; ironwork, architectural and ornamental, 1; lumber and other mill products from logs or bolts, 2; monuments and tombstones, 2; painting and paper

BY SPECIFIED INDUSTRIES: 1890—Continued.

COUNCIL BLUFFS, IOWA.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$92,886	$25,708	$9,563	$8,218	$3,495	.....	$19,213	$26,689	1,614	$822,682	140	$117,559	5	$3,400	1
901	725	64	52	10	.....	.....	50	22	15,672	9	6,450	.....	.....	2
1,486	1,426	.....	15	.....	.....	.....	45	15	7,034	6	3,170	.....	.....	3
2,219	1,260	264	145	.....	.....	.....	550	19	10,972	6	3,744	.....	.....	4
2,168	590	643	125	150	.....	750	.....	145	50,972	4	3,160	.....	.....	5
6,728	462	385	1,341	250	.....	3,790	500	114	86,700	8	8,800	.....	.....	6
2,690	.....	265	910	.....	.....	465	1,050	86	48,862	7	7,950	.....	.....	7
2,598	2,075	225	168	.....	.....	.....	130	36	26,048	5	5,260	.....	.....	8
5,180	.....	1,580	1,900	650	.....	1,050	.....	35	17,730	9	6,750	.....	.....	9
2,282	1,210	280	227	200	.....	.....	365	35	23,325	4	4,080	.....	.....	10
6,060	100	160	.....	.....	.....	1,300	4,500	84	60,590	4	5,000	.....	.....	11
1,709	1,500	75	74	.....	.....	.....	60	13	6,400	.....	.....	3	2,100	12
2,114	1,530	40	69	.....	.....	.....	475	10	5,492	4	2,600	.....	.....	13
2,504	2,050	135	124	.....	.....	.....	195	54	31,812	6	5,420	.....	.....	14
1,340	1,010	25	55	135	.....	75	40	13	7,026	4	3,328	.....	.....	15
14,084	3,500	700	325	1,100	.....	850	7,600	106	69,930	7	8,444	.....	.....	16
2,555	1,640	208	224	.....	.....	183	300	25	14,278	7	4,820	.....	.....	17
1,360	1,010	165	105	25	.....	.....	55	25	16,880	3	2,740	.....	.....	18
2,577	610	1,793	124	.....	.....	.....	50	19	10,220	6	2,960	.....	.....	19
360	360	.....	.....	.....	.....	.....	.....	9	6,824	5	3,860	.....	.....	20
31,971	4,740	2,547	2,235	975	.....	10,750	10,724	749	304,995	36	29,023	2	1,300	21

COVINGTON, KY.

1,026,579	152,971	325,128	23,415	63,442	$216,840	16,430	228,353	7,602	4,232,019	1,354	1,204,049	137	70,807	1
901	750	29	15	.....	.....	.....	107	7	4,000	4	2,050	.....	.....	2
2,370	1,561	155	24	.....	.....	.....	630	48	30,722	20	16,432	.....	.....	3
700	490	.....	.....	.....	.....	.....	210	11	6,150	3	2,050	.....	.....	4
810	660	10	.....	.....	.....	.....	140	6	4,000	2	2,000	.....	.....	5
27,722	21,340	1,095	177	50	.....	.....	5,060	326	180,539	220	133,602	1	200	6
9,756	4,254	1,133	257	185	.....	.....	3,927	106	62,155	33	27,339	9	5,606	7
9,573	780	275	28	440	.....	.....	8,050	121	37,147	11	5,824	1	375	8
2,170	170	300	.....	20	.....	.....	1,680	14	7,137	3	2,637	.....	.....	9
915	510	.....	.....	.....	.....	.....	405	13	7,000	2	1,800	.....	.....	10
280,311	24,425	1,754	794	1,155	215,300	426	36,457	1,327	894,935	282	270,005	.....	.....	11
1,448	1,108	10	5	.....	.....	.....	325	17	8,875	11	6,513	2	950	12
990	650	10	.....	.....	.....	.....	330	12	7,925	5	4,375	.....	.....	13
650	.....	220	140	15	.....	.....	275	31	20,100	5	6,150	.....	.....	14
2,230	430	140	15	150	.....	.....	1,495	23	8,650	8	4,700	.....	.....	15
6,648	4,150	682	398	10	.....	350	1,058	143	77,156	22	27,640	.....	.....	16
3,331	1,598	415	79	115	.....	.....	1,124	353	95,180	19	15,896	5	2,460	17
5,256	3,600	246	113	10	.....	.....	1,287	163	55,320	.....	.....	48	28,698	18
1,649	794	500	80	.....	.....	.....	275	46	18,476	13	7,956	.....	.....	19
4,163	2,673	33	50	65	.....	.....	1,342	53	19,922	14	9,308	10	2,984	20
4,328	2,034	127	102	25	.....	.....	2,040	84	50,000	17	13,450	.....	.....	21
377	302	.....	.....	.....	.....	.....	75	10	2,825	.....	.....	4	1,575	22
240	120	30	.....	.....	.....	.....	90	5	1,750	1	1,000	.....	.....	23
1,000	640	40	10	20	.....	.....	290	18	9,075	6	4,850	.....	.....	24
385	300	.....	.....	.....	.....	.....	85	11	3,550	.....	.....	3	1,400	25
7,912	1,180	467	610	2,100	.....	900	2,655	168	85,468	19	18,022	.....	.....	26
8,864	5,005	338	165	90	.....	.....	3,266	111	71,475	49	37,850	2	875	27
325	245	.....	.....	.....	.....	.....	80	7	2,550	.....	.....	3	1,250	28
1,254	674	25	25	50	.....	.....	480	19	13,350	4	4,400	.....	.....	29
2,161	1,466	50	45	10	.....	.....	590	25	17,538	11	9,818	.....	.....	30
806	626	20	10	.....	.....	.....	150	8	4,620	6	4,120	.....	.....	31
4,550	1,050	220	850	1,300	.....	500	630	74	49,850	6	8,100	.....	.....	32

hanging, 2; paper, 1; paving and paving materials, 1; printing and publishing, music, 1; stationery goods, not elsewhere specified, 1; surgical appliances, 1; wood, turned and carved, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

COUNCIL BLUFFS, IOWA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives skilled and unskilled						Piecework.			
		Males above 16 years.		Females above 15 years		Children		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
1	All industries	1,247	$625 814	115	$21 048	39	$4,364	66	$49,613	2	$884
2	Blacksmithing and wheelwrighting (See also Carriages and wagons, including custom work and repairing.)	13	9,222								
3	Boots and shoes, custom work and repairing	9	4 764								
4	Bread and other bakery products	13	7 228								
5	Brick and tile	141	47 812								
6	Carpentering	106	77,900								
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	79	40,912								
8	Clothing, men's, custom work and repairing	6	3,464					23	16,440	2	884
9	Flouring and grist mill products	26	10,989								
10	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	31	19,245								
11	Masonry, brick and stone	80	55,590								
12	Millinery, custom work			10	4 300						
13	Photography	5	2 372	1	520						
14	Plumbing and gas fitting	48	26,412								
15	Printing and publishing, book and job. (See also Printing and publishing, music.)	8	3,398					1	300		
16	Printing and publishing, newspapers and periodicals.	65	36,234	10	2,260			24	22,992		
17	Saddlery and harness	14	7,452					4	2,006		
18	Tinsmithing, coppersmithing, and sheet-iron working.	22	14 140								
19	Tobacco, cigars and cigarettes	4	1 680					9	5 586		
20	Watch, clock, and jewelry repairing	4	2,964								
21	All other industries	573	254 045	94	13,968	39	4 364	5	2,295		

COVINGTON, KY.—Continued.

1	All industries	4 489	2 460,425	667	150,549	5	831	855	326,261	95	18,197
2	Baskets and rattan and willow ware	2	1,100					1	250		
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	27	14 090					1	200		
4	Bookbinding and blank book making. (See also Printing and publishing.)	8	3,500								
5	Boot and shoe uppers	4	2,000								
6	Boots and shoes, custom work and repairing	64	32,450					41	14,287		
7	Bread and other bakery products	54	25,910	10	3,300						
8	Brick and tile. (See also Clay and pottery products.)	64	16,936					45	14,012		
9	Bridges	8	3,900					3	600		
10	Brooms and brushes	5	3,025	1	400			5	1,775		
11	Carpentering	1,007	621,720					38	3,150		
12	Carpets, rag	4	1,412								
13	Carriage and wagon materials	7	3,550								
14	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	25	13,150					1	800		
15	Cheese and butter, urban dairy product	7	2,450	8	1,500						
16	Clothing, men's, custom work and repairing	20	10,510	6	1,610	1	150	85	34,722	9	2,524
17	Clothing, men's, factory product, materials furnished.	39	17,578	284	58,008					6	1,248
18	Clothing, women's, dressmaking			115	26,622						
19	Coffins and burial cases, trimming and finishing	17	8,370					16	2,150		
20	Confectionery	10	3,585	16	3,660	1	175	2	150		
21	Cooperage	35	20,700					32	15,850		
22	Corsets			6	1,250						
23	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	3	600					1	150		
24	Dyeing and cleaning	7	2,900	3	925			1	200	1	200
25	Fancy articles, not elsewhere specified			8	2,150						
26	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	117	55,246					32	11,300		
27	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	57	31,815	1	200			2	735		
28	Hand knit goods			4	1,300						
29	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	15	8,950								
30	Lock and gun smithing	14	7,720								
31	Looking-glass and picture frames	1	200	1	300						
32	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.)	68	41,750								

BY SPECIFIED INDUSTRIES: 1890—Continued.

COUNCIL BLUFFS, IOWA—Continued.

AVERAGE NUMBER OF EMPLOYES AND TOTAL WAGES—continued.		COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Piecework ers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing	
Number.	Wages.										
.....	.....	$1,272,946	$1,112,191	$36,729	$774	$5,238	$118,014	$2,527,388	$2,313,188	$214,200	1
.....	.....	7,134	6,534	575	.....	.....	25	30,560	1,280	29,280	2
.....	.....	4,070	4,070	.....	.....	.....	.....	15,910	1,000	14,910	3
.....	.....	30,504	25,064	1,390	.....	.....	4,050	54,734	54,734	.....	4
.....	.....	17,624	.....	16,999	.....	.....	625	100,050	100,050	.....	5
.....	.....	176,600	165,400	400	.....	.....	10,800	312,650	302,850	9,800	6
.....	.....	89,665	87,960	1,155	.....	.....	550	164,050	146,400	17,650	7
.....	.....	24,350	24,300	.....	.....	.....	50	57,640	23,120	34,520	8
.....	.....	152,552	140,387	2,850	.....	225	9,090	211,725	211,525	200	9
.....	.....	6,483	4,988	1,095	.....	.....	400	37,600	37,600	.....	10
.....	.....	123,590	121,090	.....	.....	.....	2,500	218,383	218,383	.....	11
.....	.....	12,300	12,300	.....	.....	.....	.....	22,814	21,364	1,450	12
.....	.....	6,525	2,925	.....	.....	.....	3,600	15,350	10,000	5,350	13
.....	.....	93,550	92,500	1,050	.....	.....	.....	138,400	136,400	2,000	14
.....	.....	7,374	7,164	.....	.....	.....	210	16,360	15,000	1,360	15
.....	.....	32,494	30,552	558	774	.....	610	135,148	134,848	300	16
.....	.....	19,470	19,420	.....	.....	.....	50	47,188	38,528	8,660	17
.....	.....	21,045	20,600	575	.....	.....	470	48,385	36,995	11,390	18
.....	.....	10,879	9,935	.....	.....	.....	944	25,570	25,570	.....	19
.....	.....	1,050	1,050	.....	.....	.....	.....	10,010	.....	10,010	20
.....	.....	435,687	335,952	10,082	.....	5,013	84,040	864,861	797,541	67,320	21

COVINGTON, KY.—Continued.

.....	.....	8,228,079	7,694,591	135,886	710	7,275	389,617	15,999,575	12,162,561	3,837,014	1
.....	.....	2,251	2,100	.....	.....	.....	151	8,900	8,600	300	2
.....	.....	27,799	25,800	819	.....	.....	1,180	72,910	34,050	38,860	3
.....	.....	14,000	13,200	.....	.....	.....	800	24,800	24,000	800	4
.....	.....	7,150	5,750	.....	.....	.....	1,400	13,310	13,310	.....	5
.....	.....	148,238	143,178	.....	.....	.....	5,060	395,090	153,275	241,815	6
.....	.....	133,474	127,653	3,531	.....	.....	2,290	254,070	207,670	46,400	7
.....	.....	6,680	.....	6,555	.....	.....	125	67,400	67,400	.....	8
.....	.....	6,650	6,480	.....	.....	.....	170	19,300	5,000	14,300	9
.....	.....	7,800	7,600	.....	.....	.....	200	18,400	18,400	.....	10
.....	.....	2,186,970	2,052,445	.....	.....	.....	133,525	3,927,740	2,471,600	1,456,140	11
.....	.....	9,855	9,705	.....	.....	.....	150	22,505	22,505	.....	12
.....	.....	17,350	16,470	.....	.....	.....	880	33,300	27,000	6,300	13
.....	.....	15,770	14,770	200	.....	.....	800	43,460	19,880	23,580	14
.....	.....	3,405	3,255	.....	.....	.....	150	18,400	17,350	1,050	15
.....	.....	139,800	117,030	.....	.....	.....	22,770	258,460	163,920	94,540	16
.....	.....	760	.....	450	.....	.....	310	106,750	103,150	3,600	17
.....	.....	82,450	77,580	.....	.....	.....	4,870	158,120	48,700	109,420	18
.....	.....	62,015	60,800	.....	.....	.....	1,215	95,080	52,540	42,540	19
.....	.....	21,130	18,015	430	.....	.....	2,685	56,660	44,180	12,480	20
.....	.....	57,135	54,560	.....	.....	.....	2,575	132,030	113,150	18,880	21
.....	.....	5,000	5,000	.....	.....	.....	.....	9,100	9,100	.....	22
.....	.....	1,685	1,265	.....	.....	.....	420	5,180	3,000	2,180	23
.....	.....	4,165	3,980	95	.....	.....	90	16,940	4,000	12,940	24
.....	.....	5,500	4,800	.....	.....	.....	700	10,400	10,400	.....	25
.....	.....	65,954	54,848	3,703	.....	170	7,233	188,633	62,033	126,600	26
.....	.....	84,275	80,730	220	.....	.....	3,325	196,515	94,300	102,215	27
.....	.....	4,720	4,700	.....	.....	.....	20	8,600	8,300	300	28
.....	.....	17,050	16,490	230	.....	.....	330	41,750	30,000	11,750	29
.....	.....	6,850	6,525	55	.....	.....	270	31,850	3,800	28,050	30
.....	.....	3,370	3,290	.....	.....	.....	80	10,600	2,450	8,150	31
.....	.....	124,570	121,700	200	.....	320	2,350	195,960	130,460	65,500	32

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

COVINGTON, KY.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
33	Marble and stone work. (See also Monuments and tombstones.)	4	$6,000	$36,200	$5,000	$2,300	$10,600	$4,700	$4,000	$9,000
34	Masonry, brick and stone. (See also Plastering and stuccowork.)	36	31,775	103,020	9,200	13,200	9,435	9,550	24,955	37,280
35	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	9	8,650	2,830	.....	.....	570	900	440	920
36	Millinery, custom work	21	37,165	75,260	14,700	16,400	5,230	14,350	9,255	15,325
37	Monuments and tombstones. (See also Marble and stone work.)	4	5,135	10,550	.....	.....	650	1,700	3,650	4,550
38	Musical instruments and materials, not specified.	3	2,000	7,185	2,500	3,000	930	75	110	570
39	Painting and paper hanging	81	73,165	188,335	26,700	22,100	12,430	37,900	13,515	75,690
40	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	3	4,000	2,000	.....	.....	200	150	550	1,100
41	Paving and paving materials	16	19,935	30,210	1,500	2,750	4,110	2,410	5,970	13,470
42	Photography	7	17,750	5,610	.....	.....	2,850	500	730	1,530
43	Plastering and stuccowork. (See also Masonry, brick and stone.)	40	47,320	60,170	7,900	8,100	7,110	3,865	6,690	26,505
44	Plumbing and gas fitting	11	16,125	37,350	4,200	3,600	4,775	7,375	5,200	12,200
45	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	9,065	16,140	1,200	1,000	8,000	785	875	4,280
46	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	6	14,250	89,220	6,500	9,500	50,500	3,400	4,020	14,400
47	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	20	29,335	70,895	11,800	10,950	10,380	6,805	9,730	21,230
48	Saddlery and harness	12	21,000	54,785	8,600	8,000	3,250	4,215	13,285	17,435
49	Sewing machine repairing	5	7,600	2,990	.....	.....	720	605	455	1,150
50	Shipbuilding	4	2,850	3,935	2,000	1,000	285	325	150	175
51	Shirts	22	13,975	10,145	3,800	3,100	1,410	175	580	1,080
52	Slaughtering and meat packing, wholesale	4	500	90,200	11,500	23,500	6,200	11,000	14,000	24,000
53	Slaughtering, wholesale, not including meat packing.	5	14,200	21,800	2,000	6,000	2,900	1,450	850	8,600
54	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	19	25,725	77,325	16,100	9,100	9,665	7,075	13,510	21,875
55	Tobacco, chewing, smoking, and snuff	9	100,750	629,300	4,000	5,000	78,500	171,700	87,000	282,500
56	Tobacco, cigars and cigarettes	30	38,345	82,815	16,450	14,100	3,875	12,405	8,400	27,525
57	Tobacco, stemming and rehandling	8	39,665	140,815	1,300	2,200	3,905	57,550	39,900	35,870
58	Trunks and valises	4	9,550	3,915	.....	.....	550	830	760	1,775
59	Umbrellas and canes	4	1,630	3,770	2,000	1,000	135	185	220	230
60	Washing machines and clothes wringers	4	4,000	1,020	.....	.....	330	230	135	325
61	Watch, clock, and jewelry repairing	15	21,410	15,215	2,500	1,200	3,750	2,470	1,345	3,950
62	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	6	9,900	326,170	30,000	46,000	60,870	41,700	21,920	125,680
63	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	6	12,665	51,690	2,000	4,000	16,270	11,000	1,800	16,620
64	All other industries (a)	52	133,212	2,967,351	361,900	397,557	1,058,341	256,153	438,241	455,159

DALLAS, TEX.

1	All industries	312	999,410	5,250,118	614,284	550,147	1,641,013	608,824	767,352	1,068,498
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	15	21,275	15,150	3,500	2,450	2,765	1,635	390	4,410
3	Boots and shoes, custom work and repairing	20	30,780	9,797	.....	.....	2,705	1,245	1,445	4,402
4	Bread and other bakery products	7	21,000	28,822	8,200	5,200	3,350	7,672	300	4,100
5	Brick and tile	7	24,800	203,689	35,600	21,750	61,450	5,650	53,720	25,519
6	Carpentering	21	12,165	93,375	6,250	4,950	7,600	8,375	49,675	16,525
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	5	16,545	43,800	10,600	10,000	3,000	6,650	2,550	11,600
8	Clothing, men's, custom work and repairing	8	37,650	30,542	.....	.....	1,602	19,115	1,825	8,000
9	Clothing, women's, dressmaking	24	42,250	41,523	9,200	5,200	4,220	11,688	6,405	4,810
10	Confectionery	4	40,000	37,160	5,000	10,000	11,950	5,260	4,500	450
11	Dyeing and cleaning	9	16,420	3,058	.....	.....	1,850	388	200	620
12	Flouring and grist mill products	3	83,350	161,950	5,000	10,000	25,000	30,850	20,600	70,500
13	Foundry and machine shop products. (See also Ironwork, architectual and ornamental.)	7	12,415	372,650	29,000	19,250	29,450	2,700	130,050	162,200
14	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Furniture factory product; Mattresses and spring beds.)	4	6,035	2,875	.....	600	600	1,125	300	250
15	Lock and gun smithing	3	2,500	32,510	25,000	3,000	3,000	810	200	500
16	Lumber, planing mill products, including sash, doors, and blinds.	4	5,000	85,000	15,500	9,500	20,000	10,500	10,500	19,000

(a) Embraces awnings, tents, and sails, 2; bottling, 1; boxes, cigar, 1; boxes, wooden packing, 2; brass castings and brass finishing, 1; cars and general shop construction and repairs by street railroad companies, 1; chemicals, 1; clay and pottery products, 2; coffee and spice, roasting and grinding, 2; cordage and twine, 1; cutlery and edge tools, 1; electroplating, 1; flouring and grist mill products, 2; furniture, factory product, 1; gas, illuminating and heating, 1; glass, 1; hairwork, 2; hosiery and knit goods, 1; ice, artificial, 1; iron and steel, 2; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; kindling wood, 2; leather,

BY SPECIFIED INDUSTRIES: 1890—Continued.

COVINGTON, KY.—Continued.

Miscellaneous expenses.								Average number of employés and total wages.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$4,200	$660	$360	$100	$260	.....	.....	$2,820	60	$39,980	5	$4,300	.....	.....	33
10,115	3,495	300	75	350	$150	.....	5,745	280	183,662	38	39,680	.....	.....	34
1,224	865	.....	.....	.....	.....	.....	359	17	10,705	9	6,480	.....	.....	35
5,328	3,345	608	150	.....	.....	.....	1,225	75	25,942	1	1,000	19	$11,416	36
2,291	565	51	40	10	.....	.....	1,625	20	15,563	5	5,213	.....	.....	37
345	240	.....	20	10	.....	.....	75	5	3,850	4	3,250	.....	.....	38
17,110	6,585	689	310	540	.....	$75	8,911	377	269,591	85	81,605	.....	.....	39
1,280	360	.....	.....	.....	.....	.....	920	8	6,500	5	5,450	.....	.....	40
4,770	1,794	100	20	340	140	.....	2,376	106	55,415	16	13,785	.....	.....	41
1,910	1,420	.....	25	.....	.....	.....	465	12	7,640	5	4,550	1	300	42
10,779	4,258	258	63	105	.....	120	5,975	217	152,696	40	39,629	.....	.....	43
3,582	1,774	177	65	75	.....	.....	1,491	57	36,210	15	10,236	.....	.....	44
1,288	725	68	65	90	.....	.....	340	25	12,616	8	7,060	.....	.....	45
7,705	1,140	65	220	225	.....	.....	6,055	84	52,940	10	10,030	.....	.....	46
6,146	2,640	190	106	275	.....	.....	2,935	106	63,481	22	19,651	.....	.....	47
3,395	1,890	391	106	70	.....	.....	938	42	24,900	13	11,950	.....	.....	48
845	630	.....	.....	.....	.....	.....	215	7	6,300	4	4,700	.....	.....	49
410	285	.....	5	.....	.....	.....	120	7	4,649	4	3,024	.....	.....	50
2,038	1,497	71	30	.....	.....	.....	440	53	15,936	.....	.....	21	8,778	51
2,820	50	460	160	150	.....	.....	2,000	35	18,600	9	8,300	.....	.....	52
3,710	1,420	120	100	30	.....	.....	2,040	16	12,300	5	6,200	.....	.....	53
5,680	2,315	340	130	235	.....	.....	2,660	76	49,223	26	23,266	.....	.....	54
218,340	8,060	159,945	2,700	2,830	.....	.....	44,805	423	159,450	26	29,250	2	850	55
17,912	3,451	13,059	233	50	.....	.....	1,119	107	47,722	33	19,684	1	400	56
12,325	3,570	1,100	2,255	500	.....	1,920	2,890	127	50,430	14	18,350	.....	.....	57
1,900	860	.....	.....	.....	.....	.....	1,040	12	6,900	4	3,200	.....	.....	58
341	163	75	18	.....	.....	.....	85	4	2,180	4	2,180	.....	.....	59
530	380	.....	.....	.....	.....	.....	150	4	3,050	4	3,050	.....	.....	60
2,627	1,927	15	20	.....	.....	.....	665	28	19,220	12	11,170	.....	.....	61
11,790	792	670	1,705	2,040	.....	.....	6,583	293	115,050	11	14,450	.....	.....	62
2,930	1,140	280	265	550	.....	.....	695	29	19,900	6	6,150	.....	.....	63
267,118	11,090	137,412	10,437	48,807	1,250	12,139	45,983	1,530	881,978	115	131,999	5	2,700	64

DALLAS, TEX.

505,257	103,517	62,747	38,728	49,809	43,700	49,728	247,028	4,082	2,520,639	473	470,924	55	34,346	1
3,985	2,552	218	70	135	.....	.....	1,010	54	38,616	20	15,520	.....	.....	2
3,771	3,386	24	31	100	.....	.....	230	36	20,886	19	11,586	.....	.....	3
5,273	2,520	243	175	300	.....	50	1,985	33	23,908	9	8,600	1	1,040	4
14,978	1,225	935	118	3,050	.....	300	9,350	240	89,223	14	11,680	.....	.....	5
16,327	1,338	275	925	800	3,500	1,569	7,920	280	179,203	27	29,928	.....	.....	6
2,590	1,820	279	241	50	.....	.....	200	37	27,592	1	1,040	.....	.....	7
4,633	4,140	97	256	20	.....	.....	120	63	49,432	10	8,756	.....	.....	8
6,238	4,648	208	185	150	.....	.....	1,047	151	70,121	1	1,700	27	20,572	9
8,924	3,600	270	50	.....	.....	4	5,000	36	15,428	4	6,420	1	600	10
2,080	1,806	43	21	50	.....	.....	160	20	10,868	9	5,955	3	1,228	11
43,310	10,000	1,725	7,025	7,000	.....	10,000	7,500	52	45,844	8	10,744	.....	.....	12
28,128	1,490	1,232	2,256	1,125	200	1,700	20,125	129	88,125	8	8,627	.....	.....	13
840	664	5	3	28	.....	.....	140	14	5,448	4	1,872	.....	.....	14
655	300	65	40	150	.....	.....	100	10	5,795	4	2,730	.....	.....	15
11,970	600	800	1,320	2,600	.....	2,400	4,250	99	75,444	8	10,000	.....	.....	16

morocco, 1; lime and cement, 1; liquors, distilled, 2; liquors, malt, 2; lumber and other mill products from logs or bolts, 1; mineral and soda waters, 1; models and patterns, 2; mucilage and paste, 1; optical goods, 1; oysters, canning and preserving, 1; photolithographing and engraving, 1; pickles, preserves, and sauces, 2; smelting and refining, 1; soap and candles, 1; sporting goods, 1; toys and games, 1; vinegar and cider, 2.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

COVINGTON, KY.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piceworkers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
33	Marble and stone work. (See also Monuments and tombstones.)	47	$30,880					8	$4,800		
34	Masonry, brick and stone. (See also Plastering and stuccowork.)	242	143,982								
35	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	8	4,225								
36	Millinery, custom work			55	$13,520						
37	Monuments and tombstones. (See also Marble and stone work.)	12	9,250					3	1,100		
38	Musical instruments and materials, not specified.	1	600								
39	Painting and paper hanging	265	167,436	1	400	1	$150	25	20,000		
40	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	2	750					1	300		
41	Paving and paving materials	89	41,430					1	200		
42	Photography	3	1,800	3	990						
43	Plastering and stuccowork. (See also Masonry, brick and stone.)	177	113,067								
44	Plumbing and gas fitting	42	19,974								
45	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	10	4,430			1	156	6	970		
46	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	51	32,460	2	600			21	9,850		
47	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	83	43,780					1	50		
48	Saddlery and harness	28	12,300					1	650		
49	Sewing machine repairing	3	1,600								
50	Shipbuilding	3	1,625								
51	Shirts	1	450	25	5,358					6	$1,350
52	Slaughtering and meat packing, wholesale	23	9,070					3	1,230		
53	Slaughtering, wholesale, not including meat packing.	11	6,100								
54	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	50	25,957								
55	Tobacco, chewing, smoking, and snuff	240	91,000	61	15,550			78	20,550	16	2,250
56	Tobacco, cigars and cigarettes	7	2,358			1	200	53	22,080	12	3,000
57	Tobacco, stemming and rehandling	94	26,680	15	2,400			4	3,000		
58	Trunks and valises	8	3,700								
59	Umbrellas and canes										
60	Washing machines and clothes wringers										
61	Watch, clock, and jewelry repairing	13	6,800					3	1,250		
62	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	32	18,000					250	82,600		
63	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	23	13,750								
64	All other industries	1,232	671,854	42	10,500			91	57,300	45	7,625

DALLAS, TEX.—Continued.

1	All industries	2,514	1,612,585	394	100,753	191	31,582	377	246,160	78	24,289
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	34	23,096								
3	Boots and shoes, custom work and repairing	10	5,152					7	4,148		
4	Bread and other bakery products	23	14,268								
5	Brick and tile	193	68,447			5	96	28	9,000		
6	Carpentering	253	149,275								
7	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	33	23,846			1	234	2	2,472		
8	Clothing, men's, custom work and repairing	4	3,676					47	35,960	2	1,040
9	Clothing, women's, dressmaking	6	3,000	96	36,974					21	7,875
10	Confectionery	15	7,264			16	1,144				
11	Dyeing and cleaning	6	3,173	1	312			1	200		
12	Flouring and grist mill products	44	35,100								
13	Foundry and machine shop products. (See also Ironwork, architectural and ornamental.)	121	79,498								
14	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, chairs; Furniture, factory product; Mattresses and spring beds.)	7	3,060	3	516						
15	Lock and gun smithing	3	2,220			1	145	2	700		
16	Lumber, planing mill products, including sash, doors, and blinds.	91	65,444								

BY SPECIFIED INDUSTRIES: 1890—Continued.

COVINGTON, KY.—Continued.

Average number of employes and total wages—continued. Pieceworkers—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
.....	.....	$28,810	$26,850	$825	.....	$530	$605	$79,960	$50,000	$29,960	33
.....	.....	337,090	314,265	.....	.....	.....	22,825	629,430	478,000	151,430	34
.....	.....	14,950	14,550	.....	.....	.....	400	29,800	12,650	17,150	35
.....	.....	46,740	45,650	.....	.....	.....	1,090	93,210	29,900	63,310	36
.....	.....	20,960	20,780	.....	.....	.....	120	47,790	23,000	24,790	37
.....	.....	1,080	1,000	20	.....	.....	60	6,300	2,000	4,300	38
.....	.....	270,332	261,862	.....	.....	.....	8,470	643,590	239,000	404,590	39
.....	.....	3,300	2,350	.....	.....	.....	950	13,200	3,200	10,000	40
.....	.....	126,910	119,010	.....	.....	.....	7,900	215,850	179,050	36,800	41
.....	.....	5,275	4,930	.....	.....	.....	345	18,910	18,910	.....	42
.....	.....	171,000	167,220	.....	.....	.....	3,780	387,720	367,520	20,200	43
.....	.....	45,050	43,520	180	.....	.....	1,350	104,840	28,400	76,440	44
.....	.....	3,315	2,865	95	.....	.....	355	20,240	20,240	.....	45
.....	.....	18,162	16,367	850	$330	.....	615	92,210	92,210	.....	46
.....	.....	115,453	109,960	728	.....	.....	4,765	224,880	126,100	98,780	47
.....	.....	32,030	31,150	.....	.....	.....	880	70,210	22,900	47,310	48
.....	.....	2,600	2,430	.....	.....	.....	170	12,180	.....	12,180	49
.....	.....	6,600	6,600	.....	.....	.....	.....	12,750	12,750	.....	50
.....	.....	1,800	1,800	.....	.....	.....	.....	24,450	24,450	.....	51
.....	.....	161,480	158,200	1,480	.....	.....	1,800	266,450	262,850	3,600	52
.....	.....	174,500	171,400	.....	.....	.....	3,100	229,235	205,590	23,645	53
.....	.....	75,150	73,005	1,240	.....	10	895	161,490	120,160	41,330	54
.....	.....	402,750	370,850	4,600	.....	530	26,770	986,750	986,750	.....	55
.....	.....	37,158	30,918	.....	.....	.....	6,240	121,880	121,580	300	56
.....	.....	191,702	188,400	160	.....	50	2,692	299,350	293,350	.....	57
.....	.....	10,020	9,700	.....	.....	.....	920	23,800	18,900	4,900	58
.....	.....	1,400	1,400	.....	.....	.....	.....	4,460	.....	4,460	59
.....	.....	2,740	1,560	900	.....	.....	280	7,300	.....	7,300	60
.....	.....	12,245	11,770	.....	.....	.....	475	40,780	40,780	.....	61
.....	.....	296,350	292,960	635	.....	1,500	1,255	607,780	600,720	7,060	62
.....	.....	31,140	27,800	600	120	2,010	610	61,340	58,400	2,940	63
.....	.....	2,306,026	2,102,750	107,085	260	2,155	93,776	4,019,227	3,743,678	275,549	64

DALLAS, TEX.—Continued.

.....	.....	4,354,769	4,174,906	92,719	6,474	15,536	65,134	9,054,766	8,799,722	255,044	1
.....	.....	14,431	13,109	1,322	.....	.....	.....	66,112	66,112	.....	2
.....	.....	9,108	9,008	.....	.....	.....	100	38,260	36,600	1,660	3
.....	.....	34,358	32,006	2,352	.....	.....	.....	79,300	79,300	.....	4
.....	.....	56,480	.....	48,930	.....	.....	7,550	218,850	218,850	.....	5
.....	.....	254,741	254,600	136	.....	5	.....	485,714	484,714	1,000	6
.....	.....	20,169	18,692	977	.....	.....	500	70,992	20,692	50,300	7
.....	.....	32,775	32,605	.....	.....	.....	170	95,200	95,200	.....	8
.....	.....	44,337	32,650	35	.....	.....	11,652	139,900	123,900	16,000	9
.....	.....	82,390	81,305	1,085	.....	.....	.....	141,900	141,900	.....	10
.....	.....	1,877	1,840	37	.....	.....	.....	18,600	17,600	1,000	11
.....	.....	841,325	822,550	6,000	.....	1,175	11,600	1,094,824	1,080,328	14,496	12
.....	.....	132,520	126,200	6,163	.....	125	32	343,250	318,250	25,000	13
.....	.....	1,950	1,950	.....	.....	.....	.....	9,700	9,700	.....	14
.....	.....	1,435	1,375	.....	60	.....	.....	9,350	9,100	250	15
.....	.....	96,600	93,400	1,200	.....	1,500	500	229,000	214,000	15,000	16

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

DALLAS, TEX.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
17	Masonry, brick and stone. (See also Plastering and stuccowork.)	9	$7,500	$170,400	$2,100	$1,050	$8,050	$13,500	$106,700	$39,000
18	Millinery, custom work	3	26,000	16,925	.....	.....	175	13,500	2,750	500
19	Monuments and tombstones. (See also Marble and stone work.)	3	4,500	20,600	1,000	2,000	1,000	4,800	5,000	6,800
20	Musical instruments and materials, not specified.	4	3,635	60,830	41,000	16,500	1,700	1,230	400	.....
21	Painting and paper hanging	9	38,265	85,450	6,000	1,250	4,300	40,600	13,050	20,250
22	Patent medicines and compounds	5	3,800	32,350	7,500	6,500	1,900	7,050	3,900	5,500
23	Photography	6	29,775	11,490	.....	1,200	5,300	775	515	3,700
24	Plastering and stuccowork. (See also Masonry, brick and stone.)	6	2,050	12,525	1,000	900	1,825	750	1,850	6,200
25	Plumbing and gas fitting	7	31,000	77,050	.....	.....	4,150	22,700	23,500	26,700
26	Printing and publishing, book and job	15	12[illegible],500	226,575	.....	.....	99,580	62,270	4,775	59,950
27	Printing and publishing, newspapers and periodicals.	23	126,500	260,313	9,200	16,540	93,881	8,525	380	131,787
28	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	5	10,000	18,576	900	900	2,526	3,700	4,550	6,000
29	Saddlery and harness	10	70,400	767,350	80,000	90,000	34,400	193,350	174,500	195,100
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	4	11,000	60,500	15,000	10,000	14,800	7,050	4,600	9,050
31	Tobacco, cigars and cigarettes	4	7,800	7,754	.....	.....	890	2,275	1,980	2,600
32	Watch, clock, and jewelry repairing. (See also Jewelry.)	11	18,700	101,050	56,000	30,000	5,400	5,500	3,400	750
33	All other industries (a)	47	106,200	2,158,479	242,334	271,407	1,182,594	107,586	132,833	221,725

DAVENPORT, IOWA.

1	All industries	475	1,031,350	8,732,122	1,184,579	1,151,730	1,569,483	1,188,336	1,519,315	2,118,679
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	19	25,890	22,114	4,500	6,800	3,875	2,375	1,056	3,508
3	Boots and shoes, custom work and repairing	33	21,210	40,300	21,350	7,800	4,482	2,820	1,449	2,399
4	Bread and other bakery products	18	46,180	149,524	11,600	21,000	34,250	23,145	7,451	51,978
5	Brick and tile	5	3,100	36,348	12,600	1,550	7,500	573	6,325	7,800
6	Brooms and brushes	4	35,485	8,664	575	360	1,415	2,500	1,324	2,550
7	Carpentering	42	29,510	377,263	24,575	26,180	20,276	63,857	143,000	99,375
8	Carpets, rag	3	1,490	964	100	200	340	160	117	47
9	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	13	19,000	135,785	32,300	30,300	9,100	14,260	22,475	27,350
10	Clothing, men's, custom work and repairing	25	88,140	114,385	8,400	6,000	4,345	57,415	12,565	25,660
11	Clothing, women's, dressmaking	32	39,400	12,403	2,500	2,450	2,732	235	1,431	3,145
12	Confectionery	3	11,750	71,575	3,000	12,500	11,250	12,400	2,250	30,175
13	Cooperage	6	6,000	74,583	8,500	20,050	7,700	19,821	6,557	11,055
14	Dentistry, mechanical	8	22,350	20,565	.....	.....	11,100	1,825	1,605	5,975
15	Flouring and grist mill products	3	5,250	565,319	101,200	153,800	101,200	71,700	30,225	107,194
16	Foundry and machine shop products	8	20,100	353,734	7,500	31,000	81,568	57,267	31,022	145,377
17	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	6	14,120	64,631	9,000	14,000	2,100	17,516	14,150	7,865
18	Liquors, malt. (See also Bottling.)	5	.....	443,700	59,000	174,000	76,000	38,200	47,000	49,500
19	Lumber and other mill products from logs or bolts.	5	112,500	1,914,483	589,000	63,000	124,000	308,069	586,651	243,763
20	Malt. (See also Liquors, malt.)	4	21,050	118,519	2,212	28,790	21,325	22,188	29,228	14,776
21	Marble and stone work. (See also Monuments and tombstones.)	3	1,350	14,250	50	50	1,400	1,700	3,400	7,650
22	Masonry, brick and stone. (See also Plastering and stuccowork.)	12	7,100	79,929	230	50	2,248	5,225	49,315	22,861
23	Mattresses and spring beds. (See also Furniture.)	3	12,800	10,525	.....	.....	175	1,900	3,450	5,000
24	Millinery, custom work	8	52,450	44,360	2,000	1,000	2,179	23,410	10,840	4,922
25	Painting and paper hanging	27	24,100	47,304	5,375	6,750	5,077	12,584	6,838	10,680
26	Photography	8	35,250	16,790	.....	.....	6,600	5,970	865	3,355
27	Plastering and stuccowork. (See also Masonry, brick and stone.)	11	7,400	13,090	.....	.....	1,385	120	4,920	6,665
28	Plumbing and gas fitting	6	18,890	54,900	.....	.....	7,700	7,400	16,350	23,450
29	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	8	15,485	94,353	3,500	15,000	35,300	14,200	10,990	15,363
30	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	11	30,150	143,861	9,300	17,500	49,400	5,945	960	60,756
31	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	6	12,660	40,150	3,000	4,500	2,150	5,000	16,100	9,400
32	Saddlery and harness	9	17,330	38,932	5,500	8,900	2,725	4,085	8,456	9,266
33	Slaughtering and meat packing, wholesale	5	.....	392,900	34,000	78,000	17,900	21,800	117,000	124,200

a Embraces awnings, tents, and sails, 1; axle grease, 1; cars and general shop construction and repairs by steam railroad companies, 1; chemicals, 1; coffee and spice, roasting and grinding, 1; coffins and burial cases, trimming and finishing, 2; cooperage, 2; cotton, compressing, 1; cotton goods, 1; electrical apparatus and supplies, 1; engraving, wood, 1; food preparations, 1; furniture, chairs, 2; furniture, factory product, 2; gas, illuminating and heating, 1; hairwork, 1; hand stamps, 1; hats

BY SPECIFIED INDUSTRIES: 1890—Continued.

DALLAS, TEX.—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$50,413	$900	$107	$3,036	$550	$40,000	$1,470	$4,350	303	$215,817	12	$16,097	.....	.....	17
4,773	2,600	375	278	.....	.....	.....	1,520	60	25,748	3	4,000	16	$6,604	18
6,240	540	200	.....	.....	.....	.....	5,500	19	13,190	6	3,700	.....	.....	19
703	400	40	20	.....	.....	.....	225	7	6,723	1	1,040	.....	.....	20
9,565	4,210	660	685	460	.....	850	2,700	122	99,086	13	19,182	.....	.....	21
21,182	380	480	327	25	.....	300	19,670	19	13,364	6	7,461	.....	.....	22
3,662	2,676	172	445	50	.....	20	300	42	26,902	12	14,420	.....	.....	23
1,238	292	40	30	170	.....	.....	706	45	37,260	11	12,540	.....	.....	24
9,425	3,420	190	255	360	.....	700	4,500	63	52,646	12	15,668	1	624	25
17,970	11,662	1,166	1,972	1,235	.....	585	1,350	176	115,054	20	26,476	.....	.....	26
106,835	11,392	2,406	1,393	7,694	.....	780	83,170	236	189,891	42	44,689	4	2,014	27
2,548	1,200	101	72	125	.....	.....	1,050	32	25,800	6	7,200	.....	.....	28
54,385	7,744	5,125	4,491	725	.....	24,000	12,250	304	196,784	53	46,600	.....	.....	29
2,510	1,220	445	395	25	.....	300	125	45	33,464	1	520	.....	.....	30
3,408	860	2,488	50	10	.....	.....	.....	13	9,112	1	624	.....	.....	31
3,029	2,242	109	153	50	.....	.....	475	24	19,972	7	4,164	.....	.....	32
143,718	11,690	42,215	12,401	22,712	.....	4,700	50,000	1,318	603,893	112	111,385	2	1,664	33

DAVENPORT, IOWA.

780,201	87,139	110,924	49,345	58,011	149,335	58,076	267,371	5,136	2,214,002	627	553,120	48	20,387	1
3,616	2,593	192	85	346	.....	7	393	34	19,117	13	8,300	.....	.....	2
2,959	2,002	132	195	169	.....	18	353	43	19,026	25	10,975	.....	.....	3
12,893	4,165	965	915	2,809	.....	.....	4,039	123	66,489	32	32,480	2	625	4
1,110	300	378	.....	242	.....	.....	190	64	14,812	5	1,992	.....	.....	5
4,179	3,560	93	118	30	.....	58	317	59	15,593	5	3,200	.....	.....	6
167,321	2,935	1,189	985	2,104	148,760	1,166	10,182	337	201,013	48	37,116	.....	.....	7
188	144	5	9	1	.....	.....	29	7	2,850	3	1,500	.....	.....	8
7,557	1,582	1,297	741	515	.....	50	3,372	135	62,700	24	18,100	.....	.....	9
11,715	7,066	1,259	555	90	.....	328	2,417	180	77,531	17	13,950	.....	.....	10
3,703	3,152	59	33	72	.....	3	384	127	31,600	.....	.....	28	11,836	11
17,820	960	237	183	5	.....	.....	16,435	54	20,500	3	5,550	.....	.....	12
6,214	516	460	459	200	.....	200	4,409	111	59,831	5	4,090	.....	.....	13
2,763	1,789	.....	137	115	.....	.....	722	11	11,405	8	8,955	.....	.....	14
15,899	450	814	5,300	3,170	.....	1,905	4,260	57	42,820	15	20,320	.....	.....	15
39,736	1,818	871	1,086	2,850	.....	5,007	28,104	171	97,957	15	18,091	.....	.....	16
3,855	1,270	409	330	104	.....	25	1,717	29	15,312	6	4,252	1	500	17
65,281	.....	38,011	2,320	5,000	.....	350	19,600	62	44,620	13	10,200	.....	.....	18
66,983	8,833	7,461	13,361	11,500	.....	22,200	3,628	612	233,768	33	34,150	1	350	19
7,664	1,700	285	2,385	250	.....	804	2,240	37	13,815	6	5,175	.....	.....	20
971	135	18	8	110	.....	50	650	37	18,851	2	1,440	.....	.....	21
1,946	708	13	.....	490	.....	255	480	209	84,716	22	15,385	.....	.....	22
1,289	1,150	64	75	.....	.....	.....	.....	18	7,075	.....	.....	.....	.....	23
5,293	4,209	191	327	.....	.....	97	469	73	23,136	4	4,094	10	4,854	24
3,015	1,920	81	112	480	.....	20	402	92	46,111	25	14,627	.....	.....	25
3,604	2,825	80	202	35	.....	160	302	22	13,775	13	10,600	.....	.....	26
2,717	741	2	.....	188	.....	40	1,746	65	30,970	11	7,227	.....	.....	27
7,973	1,511	32	55	135	.....	.....	6,240	47	30,320	8	7,230	.....	.....	28
8,957	1,293	736	631	148	.....	25	6,184	72	34,325	26	16,645	.....	.....	29
17,477	2,492	408	503	305	575	.....	13,194	139	75,823	22	20,133	1	312	30
2,714	1,270	335	174	79	.....	400	456	31	18,879	7	6,650	.....	.....	31
2,487	1,562	302	157	50	.....	.....	416	43	20,433	10	6,528	.....	.....	32
10,395	.....	1,596	1,662	2,410	.....	2,314	2,413	107	37,593	13	13,397	.....	.....	33

and caps, not including wool hats, 1; ice, artificial, 1; ironwork, architectural and ornamental, 2; jewelry, 2; lime and cement, 1; liquors, malt, 1; lithographing and engraving, 1; looking-glass and picture frames, 1; marble and stone work, 2; mattresses and spring beds, 2; paving and paving materials, 2; printing materials, 1; sausage, 1; shirts, 2; soap and candles, 1; stencils and brands, 1; stereotyping and electrotyping, 1; trunks and valises, 1; umbrellas and canes, 1; window shades, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

DALLAS, TEX.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Piecoworkers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
17	Masonry, brick and stone. (See also Plastering and stuccowork.)	291	$199,720								
18	Millinery, custom work			41	$15,144						
19	Monuments and tombstones. (See also Marble and stone work.)	13	9,490								
20	Musical instruments and materials, not specified.	6	5,683								
21	Painting and paper hanging	107	78,704					2	$1,200		
22	Patent medicines and compounds	13	5,903								
23	Photography	12	8,120	4	1,796	1	$156	10	2,200	3	$159
24	Plastering and stuccowork. (See also Masonry, brick and stone.)	34	24,720								
25	Plumbing and gas fitting	45	35,314			5	1,040				
26	Printing and publishing, book and job	107	74,816	10	3,068	4	754	7	5,624	19	4,316
27	Printing and publishing, newspapers and periodicals.	97	82,412	12	5,364	18	2,272	59	52,100	4	1,040
28	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	26	18,600								
29	Saddlery and harness	73	45,224					178	104,960		
30	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	44	32,944								
31	Tobacco, cigars and cigarettes	4	2,112			1	156	6	5,596	1	624
32	Watch, clock, and jewelry repairing. (See also Jewelry.)	15	14,088					2	1,720		
33	All other industries	784	488,216	227	37,579	139	25,585	26	20,220	28	9,244

DAVENPORT, IOWA—Continued.

1	All industries	2,773	1,218,796	420	86,972	88	11,233	522	239,774	534	79,085
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	20	10,417					1	400		
3	Boots and shoes, custom work and repairing	6	2,475					12	5,576		
4	Bread and other bakery products	59	28,540	24	3,990	6	854				
5	Brick and tile	24	6,450			4	365	26	6,295		
6	Brooms and brushes	1	450	17	3,800	7	1,400	27	6,343		
7	Carpentering	282	161,047			1	150	6	2,700		
8	Carpets, rag	2	750	1	450	1	150				
9	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	104	41,150			1	150	6	3,300		
10	Clothing, men's, custom work and repairing	32	19,235	5	1,440	1	100	97	32,850	28	9,950
11	Clothing, women's, dressmaking	1	500	95	18,964					3	300
12	Confectionery	36	21,150	15	2,800						
13	Cooperage	15	6,367					91	49,374		
14	Dentistry, mechanical	2	1,750	1	700						
15	Flouring and grist mill products	41	22,250			1	250				
16	Foundry and machine shop products	134	68,245					22	11,621		
17	Furniture, cabinetmaking, repairing and upholstering. (See also Furniture, factory product; Mattresses and spring beds.)	22	10,560								
18	Liquors, malt. (See also Bottling.)	49	28,420								
19	Lumber and other mill products from logs or bolts.	573	198,468			5	800				
20	Malt. (See also Liquors, malt.)	31	8,640								
21	Marble and stone work. (See also Monuments and tombstones.)	35	17,411								
22	Masonry, brick and stone. (See also Plastering and stuccowork.)	187	69,331								
23	Mattresses and spring beds. (See also Furniture.)	6	2,825					7	2,750	5	1,500
24	Millinery, custom work			57	13,863	2	325				
25	Painting and paper hanging	64	30,916			1	168	2	400		
26	Photography	4	1,500	5	1,675						
27	Plastering and stuccowork. (See also Masonry, brick and stone.)	41	20,531					13	3,212		
28	Plumbing and gas fitting	38	22,990			1	100				
29	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	32	14,989	14	2,700						
30	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	73	37,698	3	736	14	1,224	25	15,200	1	520
31	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	23	11,929			1	300				
32	Saddlery and harness	22	9,625					11	4,280		
33	Slaughtering and meat packing, wholesale	94	24,196								

BY SPECIFIED INDUSTRIES: 1890—Continued.

DALLAS, TEX.—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.		COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Piecework ers—Continued.											
Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Number.	Wages.										
.....	.....	$492,960	$492,960	.....	.....	.....	.....	$816,119	$816,119	.....	17
.....	.....	46,925	45,925	.....	.....	.....	$1,000	100,000	100,000	.....	18
.....	.....	17,200	17,200	.....	.....	.....	.....	52,000	52,000	.....	19
.....	.....	1,700	1,700	.....	.....	.....	.....	14,000	8,000	$6,000	20
.....	.....	84,560	78,500	.....	$60	.....	6,000	221,500	211,500	10,000	21
.....	.....	6,100	5,950	.....	.....	.....	150	69,000	69,000	.....	22
.....	.....	17,060	17,010	.....	.....	.....	50	57,888	57,888	.....	23
.....	.....	32,500	32,500	.....	.....	.....	.....	80,800	80,800	.....	24
.....	.....	81,290	81,000	$290	.....	.....	.....	170,000	170,000	.....	25
.....	.....	208,000	198,153	771	2,556	.....	6,520	426,550	400,050	26,500	26
.....	.....	95,983	82,318	3,034	.....	.....	10,131	485,499	485,499	.....	27
.....	.....	22,095	22,020	75	.....	.....	.....	58,000	58,000	.....	28
.....	.....	639,059	636,415	.....	1,644	.....	1,000	1,008,500	997,400	11,100	29
.....	.....	46,829	46,495	334	.....	.....	.....	103,500	101,400	2,100	30
.....	.....	14,984	12,725	.....	.....	.....	2,259	32,565	32,350	215	31
.....	.....	9,000	8,995	5	.....	.....	.....	47,400	43,900	3,500	32
.....	.....	914,028	873,250	19,973	2,154	$12,731	5,920	2,270,493	2,199,570	70,923	33

DAVENPORT, IOWA—Continued.

115	$4,635	6,098,349	5,602,397	91,735	3,160	22,480	378,577	10,357,232	9,492,592	864,640	1
.....	.....	10,379	9,129	889	.....	.....	361	42,767	32,207	10,560	2
.....	.....	11,664	10,993	361	.....	.....	310	39,053	17,684	21,369	3
.....	.....	330,638	213,102	4,346	.....	25	113,165	465,416	463,636	1,780	4
5	710	3,735	.....	3,540	.....	.....	195	24,557	24,557	.....	5
2	400	20,923	20,219	87	192	.....	425	58,002	58,002	.....	6
.....	.....	344,653	337,404	1,236	75	435	5,503	779,793	530,685	249,108	7
.....	.....	1,107	819	44	.....	2	242	4,509	3,048	1,461	8
.....	.....	76,238	74,234	1,070	.....	.....	934	187,542	132,782	54,760	9
.....	.....	68,444	64,630	858	.....	.....	2,956	181,594	174,911	6,683	10
.....	.....	4,830	1,410	596	.....	.....	2,824	46,028	23,740	22,288	11
.....	.....	80,088	76,846	1,922	.....	35	1,285	163,560	163,560	.....	12
.....	.....	110,026	109,225	587	.....	139	75	194,492	191,492	.....	13
.....	.....	5,162	5,005	91	20	.....	46	21,412	21,412	3,000	14
.....	.....	764,572	715,542	7,380	.....	3,000	38,650	827,300	827,300	.....	15
.....	.....	163,525	155,280	6,270	.....	225	1,750	336,627	323,118	13,509	16
.....	.....	32,153	31,700	428	.....	.....	25	67,527	65,487	2,040	17
.....	.....	88,489	75,475	6,550	.....	151	6,313	279,700	253,400	26,300	18
.....	.....	1,353,567	1,335,514	.....	.....	18,053	.....	1,729,607	1,671,607	58,000	19
.....	.....	108,878	105,420	3,300	.....	10	148	153,792	153,792	.....	20
.....	.....	15,885	15,855	15	.....	.....	15	86,200	6,200	30,000	21
.....	.....	81,521	81,242	60	65	5	149	173,962	94,007	79,955	22
.....	.....	32,174	32,084	90	.....	.....	.....	70,350	70,000	350	23
.....	.....	82,519	79,751	253	.....	.....	2,515	138,193	121,373	16,820	24
.....	.....	25,366	24,776	292	.....	.....	308	85,040	47,540	37,500	25
.....	.....	13,073	7,875	298	.....	.....	4,900	36,150	25,650	10,500	26
.....	.....	15,132	15,072	.....	.....	.....	60	52,634	6,810	45,824	27
.....	.....	63,367	63,250	62	.....	5	50	108,120	94,500	13,620	28
.....	.....	45,761	23,685	331	828	125	20,792	107,450	73,150	34,300	29
.....	.....	35,524	32,571	1,881	.....	.....	1,072	150,240	150,240	.....	30
.....	.....	40,960	40,123	261	.....	.....	576	64,911	62,885	2,026	31
.....	.....	23,131	21,720	160	100	.....	1,151	50,145	46,620	3,525	32
.....	.....	328,122	309,585	1,103	.....	.....	17,434	409,473	383,616	25,857	33

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

DAVENPORT, IOWA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products, on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported
34	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	9	$16,110	$29,262	$2,600	$4,700	$4,550	$4,400	$7,314	$5,698
35	Tobacco, cigars and cigarettes	29	65,100	343,591	4,612	9,885	14,715	87,198	40,658	186,523
36	Watch, clock, and jewelry repairing. (See also Jewelry.)	13	22,710	11,411	500	300	4,905	2,523	1,257	1,926
37	All other industries (a)	65	169,940	2,831,565	216,000	404,475	877,416	268,541	274,661	790,472

DAYTON, OHIO.

1	All industries	937	1,734,339	13,469,964	1,358,272	1,879,370	2,900,344	1,585,801	2,089,463	3,656,714
2	Agricultural implements	8	32,588	1,835,826	153,700	152,000	93,500	158,697	223,786	1,054,143
3	Awnings, tents, and sails	3	7,250	5,196	.....	.....	575	1,855	1,000	1,766
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	31	29,275	34,630	20,200	3,000	2,475	1,430	400	7,125
5	Bookbinding and blank-book making. (See also Printing and publishing.)	4	34,950	60,950	.....	.....	25,800	18,300	7,250	9,600
6	Boots and shoes, custom work and repairing	79	40,775	20,240	6,950	6,075	3,285	1,326	750	1,854
7	Bottling. (See also Liquors, malt; Mineral and soda waters.)	3	.....	4,855	1,300	700	325	380	.....	2,150
8	Brass castings and brass finishing	3	1,200	295,176	25,300	43,755	50,858	10,150	78,079	87,034
9	Bread and other bakery products	36	55,270	140,422	23,700	29,200	36,700	26,453	4,024	20,345
10	Brick and tile. (See also Clay and pottery products.)	4	12,410	5,000	900	100	4,000	.....	.....	.....
11	Brooms and brushes	3	4,275	2,780	.....	.....	305	375	100	2,000
12	Carpentering	58	12,100	144,935	16,000	21,000	14,170	29,345	5,425	58,995
13	Carpets, rag	9	4,200	5,802	3,300	1,600	295	182	230	195
14	Carriage and wagon materials	3	1,000	261,393	60,300	30,300	34,450	31,157	50,150	55,036
15	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	13	65,224	135,030	18,400	29,780	10,850	23,200	36,360	16,440
16	Clothing, men's, custom work and repairing	38	155,350	113,772	12,600	9,050	1,020	66,080	1,680	22,424
17	Clothing, women's, dressmaking	95	97,460	28,945	9,500	8,300	2,820	2,391	1,830	4,104
18	Coffee and spice, roasting and grinding	4	77,067	140,050	800	2,000	18,400	18,850	14,000	86,000
19	Confectionery	13	48,000	27,832	.....	.....	7,125	3,585	5,732	11,390
20	Cooperage	11	1,750	12,714	5,100	3,200	1,495	1,459	821	639
21	Cutlery and edge tools. (See also Files; Saws; Tools, not elsewhere specified.)	3	5,600	58,445	.....	.....	27,025	9,305	5,700	16,415
22	Dentistry, mechanical	18	20,100	5,247	500	300	2,625	586	.....	1,236
23	Dyeing and cleaning	5	4,000	8,000	3,700	1,800	2,400	50	.....	50
24	Flouring and grist mill products	5	9,450	262,600	30,600	42,000	55,500	28,500	41,500	64,500
25	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	26	80,660	1,545,898	139,577	166,000	385,523	147,498	271,536	435,764
26	Furniture, cabinetmaking, repairing and upholstering.	11	19,700	18,047	800	600	1,720	4,572	5,425	4,930
27	Furniture, factory product. (See also Furniture, chairs.)	4	16,650	193,134	12,870	36,035	39,743	33,377	38,209	32,900
28	Hosiery and knit goods. (See also Cotton goods.)	3	2,400	1,242	100	500	425	105	112	.....
29	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	7	28,860	227,045	15,800	20,500	46,750	11,865	61,000	71,130
30	Liquors, malt. (See also Bottling.)	9	47,250	862,125	87,500	266,455	202,046	21,992	162,182	121,950
31	Lock and gun smithing	5	4,000	1,505	500	100	500	65	210	130
32	Looking-glass and picture frames	5	4,750	3,042	.....	.....	187	1,345	1,100	410
33	Lumber and other mill products from logs or bolts.	5	30,000	367,758	47,525	43,118	52,075	12,949	105,325	106,766
34	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	8	10,355	423,819	50,100	37,290	64,625	91,750	24,500	155,554
35	Malt. (See also Liquors, malt.)	3	1,750	74,100	18,000	7,000	1,600	2,500	16,500	28,500
36	Marble and stone work. (See also Monuments and tombstones.)	5	4,275	57,960	30,000	2,450	17,535	2,225	2,250	3,500
37	Masonry, brick and stone. (See also Plastering and stuccowork.)	32	14,780	30,445	4,800	3,900	7,100	2,600	.....	12,045
38	Millinery, custom work	26	66,250	34,942	3,000	3,500	525	18,325	6,055	3,537
39	Models and patterns	3	2,500	3,040	800	400	1,100	130	20	590
40	Monuments and tombstones. (See also Marble and stone work.)	5	8,500	27,445	6,600	3,100	2,375	3,550	7,920	3,900
41	Painting and paper hanging	58	28,500	16,917	2,750	1,625	4,112	2,294	.....	6,136
42	Paper	4	5,000	658,479	69,500	132,000	316,800	28,433	12,627	99,119
43	Paving and paving materials	3	4,910	16,675	.....	.....	2,100	1,538	.....	13,037
44	Photography	11	23,665	15,548	900	1,200	8,085	1,243	490	3,630
45	Plastering and stuccowork. (See also Masonry, brick and stone.)	13	2,660	7,985	1,000	850	1,985	35	.....	4,115
46	Plumbing and gas fitting	11	53,360	99,015	2,500	1,000	16,125	37,025	11,300	31,065

a Embraces agricultural implements, 2; awnings, tents, and sails, 2; bags, other than paper, 1; bookbinding and blank-book making, 2; boot and shoe uppers, 1; boots and shoes, factory product, 2; bottling, 1; boxes, cigar, 1; boxes, fancy and paper, 1; bridges, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 1; cheese, butter, and condensed milk, factory product, 1; cigar molds, 2; clothing, men's, factory product, 1; coffee and spice, roasting and grinding, 2; cordage and twine, 1; cutlery and edge tools, 2; dyeing and cleaning, 2; fancy articles, not elsewhere specified, 1; files, 1; fruits and vegetables, canning and preserving, 1; fur goods, 1; furnishing goods, men's, 1; furniture, factory product, 1; gas, illuminating and heating, 1; hairwork,

BY SPECIFIED INDUSTRIES: 1890—Continued.

DAVENPORT, IOWA—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$2,725	$1,441	$339	$254	$300	.....	$40	$351	27	$15,894	9	$6,375	.....	.....	34
59,762	5,375	41,711	1,053	952	.....	325	10,346	386	185,241	51	49,030	2	$780	35
2,521	2,044	178	50	110	.....	.....	139	22	13,901	8	5,925	.....	.....	36
204,869	13,598	10,718	14,885	22,647	.....	22,229	120,792	1,493	497,200	120	122,838	3	1,130	37

DAYTON, OHIO.

1,459,655	159,912	297,477	58,552	111,005	$62,914	93,798	675,997	12,047	5,900,719	1,278	1,095,654	155	67,682	1
292,494	2,770	8,789	4,636	8,250	.....	20,537	247,512	774	344,390	41	52,240	2	900	2
958	648	24	16	15	.....	80	175	17	7,204	4	2,200	.....	.....	3
3,444	2,916	288	60	.....	.....	.....	180	88	41,401	36	21,360	.....	.....	4
5,546	3,145	340	835	170	.....	96	960	81	37,213	11	11,750	.....	.....	5
4,958	4,483	163	46	.....	.....	.....	266	112	44,790	76	30,420	.....	.....	6
107	.....	36	9	.....	.....	.....	122	7	2,800	4	1,750	.....	.....	7
25,841	120	897	395	1,000	.....	2,482	20,947	158	81,710	8	9,200	.....	.....	8
13,267	5,531	1,148	662	722	.....	1,200	4,004	186	86,192	46	31,039	5	1,696	9
2,714	1,485	19	.....	.....	.....	.....	1,210	53	13,500	4	2,000	.....	.....	10
494	384	6	.....	.....	.....	.....	104	19	7,570	5	3,400	.....	.....	11
66,202	1,446	828	373	.....	59,100	50	4,405	458	276,704	63	58,270	.....	.....	12
458	360	67	3	.....	.....	.....	28	13	3,725	8	2,650	1	300	13
24,729	84	1,177	1,743	4,000	.....	3,959	13,766	97	53,112	6	10,200	.....	.....	14
9,478	5,545	1,246	1,473	100	.....	224	890	176	96,222	22	16,400	.....	.....	15
19,251	13,980	1,406	580	100	.....	1,005	2,120	373	167,080	50	40,190	.....	.....	16
9,695	8,769	141	23	.....	.....	.....	762	297	86,062	.....	.....	99	42,677	17
13,293	4,280	1,508	675	200	.....	130	6,500	81	41,419	17	15,400	1	500	18
7,456	4,310	333	201	125	.....	70	2,417	51	26,663	15	11,700	4	1,300	19
1,010	174	114	162	.....	.....	.....	560	63	23,442	13	5,886	.....	.....	20
5,385	566	740	60	1,000	.....	.....	3,019	29	16,840	3	2,900	.....	.....	21
2,225	2,086	9	.....	.....	.....	.....	130	23	11,925	18	9,875	.....	.....	22
741	410	60	100	85	.....	.....	86	22	7,988	6	3,121	1	785	23
21,311	750	2,856	5,180	4,050	.....	2,650	5,825	87	62,466	24	26,020	.....	.....	24
102,546	7,260	5,976	5,065	11,975	2,954	1,282	68,034	1,212	773,294	98	123,560	4	1,476	25
2,555	1,965	136	170	.....	.....	.....	284	60	28,954	15	8,110	.....	.....	26
6,831	1,500	975	1,075	750	.....	2,431	100	180	82,853	15	12,750	.....	.....	27
370	125	12	15	58	.....	150	10	10	1,950	1	200	.....	.....	28
9,995	2,300	1,071	1,110	145	.....	.....	5,369	187	91,857	15	12,500	.....	.....	29
140,272	3,525	69,477	1,910	5,535	.....	14,669	45,156	158	123,019	30	36,675	.....	.....	30
421	408	.....	2	.....	.....	.....	11	7	3,464	5	2,300	.....	.....	31
722	480	14	18	50	.....	100	60	10	3,292	3	1,400	.....	.....	32
49,147	3,000	2,540	2,892	9,133	.....	2,421	29,161	275	124,146	15	14,414	.....	.....	33
22,104	1,133	2,167	3,090	2,734	.....	3,347	9,633	410	218,534	27	24,472	.....	.....	34
844	175	143	126	250	.....	.....	150	17	4,975	5	2,230	.....	.....	35
3,239	425	632	227	700	.....	400	855	74	52,400	8	6,000	.....	.....	36
4,189	1,478	174	76	.....	.....	.....	2,461	320	193,374	37	33,784	.....	.....	37
8,620	7,282	427	248	.....	.....	75	588	85	25,615	.....	.....	20	13,990	38
367	325	8	7	.....	.....	.....	27	7	4,400	3	2,400	.....	.....	39
2,912	855	357	515	75	.....	200	910	34	20,854	9	7,944	.....	.....	40
5,257	3,134	107	40	.....	.....	.....	1,976	235	131,436	65	42,591	1	300	41
33,261	400	2,593	3,324	8,682	.....	3,608	14,654	239	118,620	12	19,467	1	624	42
927	490	127	35	.....	.....	.....	275	48	21,720	6	5,200	.....	.....	43
3,529	2,603	122	90	.....	.....	.....	714	36	17,644	11	8,050	.....	.....	44
1,073	206	43	19	.....	.....	.....	745	76	45,325	16	12,325	.....	.....	45
8,901	5,336	470	345	100	.....	1,300	1,350	169	87,034	18	16,550	1	350	46

2; hats and caps, not including wool hats, 1; jewelry, 1; leather, tanned and curried, 1; liquors, vinous, 2; lock and gun smithing, 1; looking-glass and picture frames, 1; mineral and soda waters, 1; models and patterns, 2; monuments and tombstones, 2; musical instruments, pianos and materials, 1; paints, 1; patent medicines and compounds, 2; paving and paving materials, 2; pickles, preserves, and sauces, 2; pumps, not including steam pumps, 1; soap and candles, 1; stencils and brands, 1; sugar and molasses, refining, 1; trunks and valises, 1; washing machines and clothes wringers, 1; wood, turned and carved, 2; woolen goods, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

DAVENPORT, IOWA—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Pieceworkers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
34	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	18	$9,510								
35	Tobacco, cigars and cigarettes	20	12,215	28	$6,006	11	$1,760	118	$73,770	155	$40,955
36	Watch, clock, and jewelry repairing. (See also Jewelry.)	12	7,720	1	156	1	100				
37	All other industries	670	289,546	163	29,686	30	3,037	58	21,703	342	25,860

DAYTON, OHIO—Continued.

1	All industries	7,251	3,664,433	1,102	242,820	159	25,629	1,316	600,442	784	293,747
2	Agricultural implements	712	281,044	6	1,200			13	9,000		
3	Awnings, tents, and sails	5	3,500	8	1,504						
4	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	46	19,041					6	1,000		
5	Bookbinding and blank-book making. (See also Printing and publishing.)	43	19,585	27	5,878						
6	Boots and shoes, custom work and repairing	28	11,420					8	2,950		
7	Bottling. (See also Liquors, malt; Mineral and soda waters.)	3	1,050								
8	Brass castings and brass finishing	42	24,720			5	750	100	46,500	3	540
9	Bread and other bakery products	114	49,194	20	4,063			1	2,[illegible]0		
10	Brick and tile. (See also Clay and pottery products.)	4	800					45	10,700		
11	Brooms and brushes	4	1,050					10	3,120		
12	Carpentering	394	218,134					1	300		
13	Carpets, rag	2	575					2	2,[illegible]0		
14	Carriage and wagon materials	74	38,378			10	1,878	7	2,656		
15	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	154	79,822								
16	Clothing, men's, custom work and repairing	36	25,630	4	962			195	79,600	88	20,6[illegible]8
17	Clothing, women's, dressmaking	1	600	193	42,085					4	700
18	Coffee and spice, roasting and grinding	20	8,394					5	2,625	38	14,500
19	Confectionery	27	12,488	4	1,019	1	156				
20	Cooperage	25	8,800					25	8,756		
21	Cutlery and edge tools. (See also Files; Saws; Tools, not elsewhere specified.)	20	13,940								
22	Dentistry, mechanical	4	1,900					1	150		
23	Dyeing and cleaning	10	3,224	3	650	2	208				
24	Flouring and grist mill products	63	36,446								
25	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	1,072	632,486	5	950	6	960	27	13,862		
26	Furniture, cabinetmaking, repairing and upholstering.	32	16,242	1	250			9	3,780	1	260
27	Furniture, factory product. (See also Furniture, chairs.)	130	63,639	2	900	33	5,564				
28	Hosiery and knit-goods. (See also Cotton goods.)	1	350	8	1,400						
29	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	167	78,495	3	600	2	262				
30	Liquors, malt. (See also Bottling.)	128	86,344								
31	Lock and gun smithing	2	1,164								
32	Looking-glass and picture frames	6	1,742			1	150				
33	Lumber and other mill products from logs or bolts.	233	99,677			12	1,837	15	8,218		
34	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	365	191,362			18	2,700				
35	Malt (See also Liquors, malt.)	12	2,745								
36	Marble and stone work. (See also Monuments and tombstones.)	63	44,450					3	1,350		
37	Masonry, brick and stone. (See also Plastering and stucco work.)	281	159,290			2	300				
38	Millinery, custom work			55	11,500					1	125
39	Models and patterns	4	2,000								
40	Monuments and tombstones. (See also Marble and stone work.)	15	8,410					10	4,500		
41	Painting and paper hanging	167	88,495					2	50		
42	Paper	168	85,952	37	8,948	9	1,387	12	2,242		
43	Paving and paving materials	42	16,520								
44	Photography	19	7,652	2	552	2	240	2	1,150		
45	Plastering and stucco work. (See also Masonry, brick and stone.)	60	33,000								
46	Plumbing and gas fitting	150	70,134								

BY SPECIFIED INDUSTRIES: 1890—Continued.

DAVENPORT, IOWA—Continued.

Average number of employés and total wages—continued. Piecework—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
.....	.....	$15,498	$14,375	$373	.....	.....	$750	$36,900	$23,750	$13,150	34
1	$125	163,571	146,363	689	$200	.....	16,319	475,607	475,567	40	35
.....	.....	4,264	3,982	207	.....	.....	75	27,915	11,489	16,426	36
107	3,400	1,533,470	1,348,141	46,175	1,680	$270	137,204	2,727,664	2,663,775	63,889	37

DAYTON, OHIO—Continued.

2	312	11,686,149	10,527,100	157,243	22,449	53,168	926,189	22,446,572	21,160,443	1,286,129	1
.....	.....	473,470	316,219	6,677	570	.....	150,004	1,352,150	1,327,432	24,718	2
.....	.....	9,452	9,200	37	.....	.....	215	20,200	9,700	10,500	3
.....	.....	25,704	23,917	813	.....	30	944	86,331	46,606	39,725	4
.....	.....	92,210	88,900	75	625	.....	2,610	159,000	159,000	.....	5
.....	.....	19,289	17,795	554	.....	.....	940	80,603	22,420	58,183	6
.....	.....	15,462	15,430	27	.....	.....	5	24,900	24,900	.....	7
.....	.....	69,765	52,300	3,465	.....	2,000	12,000	221,100	204,100	17,000	8
.....	.....	253,972	240,826	4,940	.....	.....	8,206	443,448	443,448	.....	9
.....	.....	5,275	.....	5,275	.....	.....	.....	27,000	27,000	.....	10
.....	.....	11,469	11,401	68	.....	.....	.....	22,900	22,900	.....	11
.....	.....	795,282	781,952	625	200	150	12,355	1,240,850	1,200,400	40,450	12
.....	.....	4,187	4,025	57	.....	.....	105	9,520	9,520	.....	13
.....	.....	52,115	43,876	1,894	.....	3,539	2,816	160,469	158,567	1,902	14
.....	.....	192,074	188,538	1,286	100	.....	2,150	326,690	148,090	178,600	15
.....	.....	168,552	165,750	526	.....	.....	2,276	405,942	366,442	39,500	16
.....	.....	204,982	203,850	616	.....	.....	516	349,525	315,250	34,275	17
.....	.....	804,238	800,600	1,138	600	.....	2,500	921,500	921,500	.....	18
.....	.....	42,249	37,981	533	110	.....	3,625	98,870	98,720	150	19
.....	.....	23,339	23,250	81	.....	.....	8	56,016	54,916	1,100	20
.....	.....	20,522	14,549	1,234	500	4,164	75	62,543	57,743	4,800	21
.....	.....	7,804	6,972	160	.....	.....	672	29,475	28,150	1,325	22
.....	.....	4,116	3,860	216	.....	.....	40	14,300	9,300	5,000	23
.....	.....	1,035,766	949,000	7,086	3,590	5,700	70,390	1,185,250	1,185,250	.....	24
.....	.....	689,478	626,461	28,935	4,480	8,440	21,162	1,843,278	1,731,713	111,565	25
2	312	71,427	71,072	142	167	10	36	115,305	101,505	13,800	26
.....	.....	60,889	50,020	1,719	.....	350	8,800	183,361	183,361	.....	27
.....	.....	5,475	5,375	.....	.....	.....	100	11,300	11,300	.....	28
.....	.....	198,339	194,900	1,919	300	1,000	220	322,650	319,300	3,350	29
.....	.....	248,940	221,248	11,242	125	440	15,885	619,148	618,212	936	30
.....	.....	1,173	1,100	40	.....	.....	33	6,500	2,200	4,300	31
.....	.....	5,432	4,900	32	.....	.....	500	12,050	10,800	1,250	32
.....	.....	152,410	120,420	.....	.....	4,705	27,285	392,291	391,791	500	33
.....	.....	265,195	258,100	2,695	500	1,200	2,700	574,132	570,132	4,000	34
.....	.....	17,455	17,000	455	.....	.....	.....	24,900	24,900	.....	35
.....	.....	46,759	44,750	1,159	.....	200	650	116,500	114,000	2,500	36
.....	.....	299,196	297,633	63	.....	.....	1,500	547,046	505,746	41,300	37
.....	.....	43,109	42,500	408	.....	.....	201	95,850	85,850	10,000	38
.....	.....	899	750	24	75	.....	50	7,300	5,500	1,800	39
.....	.....	43,445	43,000	145	.....	.....	300	78,050	77,000	1,050	40
.....	.....	97,057	95,020	138	.....	.....	1,899	281,050	195,000	86,050	41
.....	.....	364,706	299,424	30,796	3,338	.....	31,148	735,158	735,158	.....	42
.....	.....	29,188	29,125	18	.....	.....	45	66,600	66,600	.....	43
.....	.....	13,699	12,511	263	.....	.....	925	42,500	42,500	.....	44
.....	.....	38,182	37,932	.....	.....	.....	250	95,500	40,500	55,000	45
.....	.....	187,581	177,800	1,049	.....	.....	8,732	312,900	257,900	55,000	46

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

DAYTON, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
47	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	13	$82,440	$192,020	$1,000	$500	$75,527	$52,385	$17,376	$45,232
48	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	11	35,355	425,863	42,000	70,000	163,994	8,216	69,696	71,957
49	Pumps, not including steam pumps	9	5,540	12,320	5,300	2,000	2,275	310	310	2,125
50	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	11	15,070	37,255	14,200	4,350	4,375	2,535	2,245	9,550
51	Saddlery and harness	16	47,000	107,283	500	400	15,043	5,655	43,660	42,025
52	Sausage. (See also Slaughtering and meat packing, wholesale.)	4	.....	11,700	3,700	3,100	2,500	300	600	1,500
53	Shirts. (See also Furnishing goods, men's.)	4	23,800	54,406	.....	.....	3,850	9,600	26,020	14,936
54	Slaughtering and meat packing, wholesale. (See also Sausage.)	4	.....	63,750	14,500	24,000	5,800	950	4,500	14,000
55	Soap and candles	4	4,210	16,600	800	1,400	1,050	1,650	4,500	7,200
56	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	21	24,200	21,395	1,650	3,000	5,500	3,335	2,945	4,965
57	Tobacco, chewing, smoking, and snuff	3	29,000	73,583	12,000	6,000	12,722	14,230	5,360	23,271
58	Tobacco, cigars and cigarettes	43	55,320	212,280	10,950	10,600	6,844	73,273	26,225	84,388
59	Watch, clock, and jewelry repairing	19	21,175	9,968	1,300	425	4,530	2,041	1,400	272
60	All other industries (a)	69	205,070	3,935,535	302,900	641,812	1,027,291	551,340	679,048	673,144

DENVER, COLO.

1	All industries	762	4,759,912	16,811,868	2,589,650	1,599,610	4,221,479	2,439,220	2,044,055	3,917,854
2	Awnings, tents, and sails	3	25,400	43,780	.....	.....	6,080	12,000	9,100	16,600
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	66	169,000	143,190	25,600	24,600	29,175	25,105	12,775	25,935
4	Bookbinding and blank-book making. (See also Printing and publishing.)	5	58,800	68,535	5,000	1,000	28,100	6,370	5,815	22,250
5	Boots and shoes, custom work and repairing	87	217,030	112,975	24,000	13,400	20,080	16,745	16,878	21,872
6	Boxes, wooden packing. (See also Lumber, planing-mill products, including sash, doors, and blinds.)	3	7,210	11,450	.....	600	4,100	2,950	1,750	2,050
7	Bread and other bakery products	49	279,100	306,543	31,400	20,000	119,625	39,085	20,930	75,503
8	Brick and tile. (See also Clay and pottery products.)	25	532,687	1,120,750	219,000	33,950	124,650	212,050	334,400	196,700
9	Carpentering	45	90,370	532,450	105,200	65,050	20,250	47,550	165,715	128,685
10	Carpets, rag	6	6,520	3,484	.....	650	950	950	600	334
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	17	102,770	523,882	122,000	57,000	74,850	46,625	99,355	124,052
12	Cars and general shop construction and repairs by steam railroad companies.	4	.....	1,438,182	171,000	203,000	877,678	125,054	51,450	10,000
13	Clay and pottery products. (See also Brick and tile.)	5	37,500	182,825	47,000	15,500	32,100	10,525	42,100	35,600
14	Clothing, men's, custom work and repairing	61	386,410	251,438	38,000	4,400	15,475	120,130	21,725	42,708
15	Clothing, women's, dressmaking	9	58,150	58,973	.....	.....	2,430	14,745	13,003	28,795
16	Clothing, women's, factory product	4	184,220	235,604	.....	.....	10,000	42,140	81,462	102,002
17	Confectionery	13	200,000	140,300	.....	.....	28,175	17,925	39,300	54,900
18	Dentistry, mechanical	15	74,200	21,165	.....	.....	9,150	1,500	290	10,225
19	Dyeing and cleaning	4	15,640	36,135	18,000	10,000	4,710	1,000	1,225	1,200
20	Flouring and grist mill products	5	3,350	969,000	161,000	187,000	216,000	212,000	51,000	142,000
21	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	17	68,450	1,255,211	378,200	148,550	379,520	102,602	106,216	140,123
22	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	3	2,000	158,000	55,000	16,500	17,500	21,000	15,000	33,000
23	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	16	157,000	90,890	.....	.....	9,275	20,975	22,510	38,130
24	Furniture, factory product. (See also Furniture, chairs.)	5	105,330	169,450	5,000	4,000	9,450	38,000	41,000	72,000
25	Hand stamps	4	26,730	18,250	.....	.....	7,000	3,250	2,675	5,325
26	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	11	56,000	134,750	.....	300	23,350	16,950	37,200	56,950
27	Jewelry. (See also Watch, clock, and jewelry repairing.)	4	61,300	86,075	.....	.....	14,050	2,325	48,975	20,725
28	Lime and cement	5	.....	171,750	53,250	21,730	42,600	18,200	3,150	32,820
29	Lock and gun smithing	3	8,730	3,525	.....	.....	1,750	600	450	725
30	Looking-glass and picture frames	3	15,300	39,900	.....	36,000	7,100	4,500	900	3,400
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.)	8	72,415	1,894,900	342,000	160,500	124,700	530,200	103,600	633,900

a Embraces bags, paper, 2; baking and yeast powders, 2; baskets and rattan and willow ware, 1; blacking, 1; boxes, cigar, 2; boxes, fancy and paper, 2; boxes, wooden packing, 1; bridges, 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; cars, steam railroad, not including operations of railroad companies, 1; clay and pottery products, 1; clothing, men's, factory product, 2; cotton goods, 1; druggists' preparations, not including prescriptions, 1; electroplating, 1; engraving and diesinking, 1; engraving, wood, 2; fancy articles, not elsewhere specified, 2; files, 1; flax, dressed, 2; furnishing goods, men's, 1; furniture, chairs, 1; gas, illuminating and heating, 1; hairwork, 1; hats

BY SPECIFIED INDUSTRIES: 1890—Continued.

DAYTON, OHIO—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$19,887	$7,420	$1,171	$1,105	$806	.....	$1,518	$7,807	207	$86,918	23	$22,800	.....	.....	47
93,369	3,182	3,032	2,192	3,283	.....	1,352	80,328	297	159,395	34	27,682	2	$884	48
1,065	554	89	39	.....	.....	.....	383	24	10,550	9	5,400	.....	.....	49
2,922	1,507	353	178	50	.....	.....	834	54	32,400	15	11,550	.....	.....	50
10,934	5,177	897	398	375	.....	1,520	2,567	120	53,905	24	17,780	1	400	51
326	.....	60	41	.....	.....	.....	225	17	9,004	4	3,360	.....	.....	52
3,316	2,140	72	276	125	.....	250	453	147	40,802	10	9,200	.....	.....	53
3,842	.....	735	807	300	.....	500	1,500	57	38,200	15	14,500	.....	.....	54
1,100	420	79	160	100	.....	8	333	16	8,750	6	4,900	.....	.....	55
3,777	2,671	219	91	.....	.....	.....	796	74	36,732	24	14,768	.....	.....	56
54,982	2,180	48,106	596	100	.....	1,000	3,000	73	21,481	6	6,000	.....	.....	57
122,302	4,144	103,942	773	150	.....	2,633	10,660	899	304,616	47	33,372	.....	.....	58
2,455	2,320	6	.....	.....	.....	.....	120	43	22,310	22	10,360	.....	.....	59
200,119	19,481	28,950	14,205	45,712	$860	22,491	68,420	2,905	1,360,478	145	152,483	3	1,500	60

DENVER, COLO.

1,340,868	497,537	262,378	86,470	132,347	3,000	81,010	278,126	10,613	8,377,520	1,246	1,660,666	84	63,269	1
4,237	2,790	364	386	250	.....	300	147	50	32,686	5	7,115	1	300	2
28,105	20,280	785	435	1,332	.....	70	5,203	215	203,349	76	87,530	.....	.....	3
7,892	6,468	255	423	296	.....	300	150	93	53,025	10	11,820	.....	.....	4
29,442	23,873	628	559	382	.....	20	3,980	210	167,990	80	84,160	.....	.....	5
1,312	865	53	139	130	.....	.....	75	19	14,338	4	4,160	.....	.....	6
47,264	30,763	2,125	2,058	3,493	.....	450	8,435	320	240,522	63	82,368	10	7,224	7
73,075	42,615	3,583	787	12,760	.....	2,150	11,180	1,063	539,205	46	42,972	.....	.....	8
28,477	10,814	1,603	780	1,605	.....	150	13,495	492	466,039	57	74,865	1	600	9
925	782	15	15	13	.....	.....	100	8	3,583	1	325	2	1,240	10
24,751	9,250	2,279	2,622	5,302	.....	3,331	1,967	311	279,338	39	58,780	1	2,400	11
.....	.....	.....	.....	.....	.....	.....	.....	816	634,814	15	38,625	.....	.....	12
8,910	3,000	562	215	3,525	.....	808	800	102	79,000	15	24,960	.....	.....	13
50,561	42,505	1,386	1,526	257	.....	675	4,212	401	329,654	70	82,797	1	624	14
8,271	6,396	207	293	110	.....	.....	1,265	85	52,582	1	2,400	7	7,198	15
41,651	16,580	1,186	1,525	200	.....	.....	21,560	350	169,966	1	1,820	7	6,500	16
21,172	16,000	1,337	1,240	880	.....	.....	1,715	184	121,387	31	40,214	6	3,470	17
10,238	8,160	99	99	.....	.....	.....	1,880	22	31,116	13	24,460	1	624	18
2,284	1,620	50	64	250	.....	.....	300	23	19,430	5	6,140	1	1,040	19
43,110	400	6,290	14,275	20,300	.....	.....	1,845	101	87,496	15	24,084	.....	.....	20
58,984	8,214	6,364	3,914	10,250	.....	13,744	16,498	540	450,194	42	63,462	2	3,024	21
7,467	240	790	587	4,250	.....	1,600	.....	110	60,730	11	14,800	.....	.....	22
21,182	17,240	753	668	540	.....	32	1,949	98	85,970	24	27,676	.....	.....	23
17,310	11,060	1,285	1,825	1,600	.....	300	1,240	115	106,684	9	13,000	.....	.....	24
3,668	2,940	29	64	275	.....	.....	360	15	12,260	4	4,776	.....	.....	25
12,927	6,717	351	372	772	.....	240	4,475	158	129,151	17	28,790	.....	.....	26
9,030	6,748	36	103	425	.....	438	1,280	29	29,555	7	9,162	.....	.....	27
3,788	.....	370	268	1,075	.....	.....	2,075	96	69,933	7	9,675	.....	.....	28
1,388	960	6	22	.....	.....	.....	400	7	7,332	3	4,160	.....	.....	29
1,555	603	240	172	40	.....	.....	500	18	16,630	7	10,020	.....	.....	30
75,314	8,690	10,848	14,916	10,100	.....	21,000	9,760	995	755,622	64	108,500	2	1,380	31

and caps, not including wool hats, 1; house furnishing goods, not elsewhere specified, 2; iron and steel, forgings, 1; leather, tanned and curried, 1; mantels, slate, marble, and marbleized, 1; mineral and soda waters, 1; mucilage and paste, 1; musical instruments and materials, not specified, 1; oil, lard, 1; oil, linseed, 2; paints, 2; paper goods, not elsewhere specified, 1; patent medicines and compounds, 2; photolithographing and engraving, 1; saws, 2; screws, wood, 1; sporting goods, 1; stationery goods, not elsewhere specified, 1; steam fittings and heating apparatus, 1; stencils and brands, 2; tools, not elsewhere specified, 2; trunks and valises, 2; umbrellas and canes, 1; varnish, 1; washing machines and clothes wringers, 1; whips, 1; wood, turned and carved, 1.

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

DAYTON, OHIO—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.									
		Operatives, skilled and unskilled.						Pieceworkers.			
		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.	
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
47	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	95	$46,755	76	$14,031	12	$2,332			1	$100
48	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	186	114,091	66	11,993	2	241	7	$4,504		
49	Pumps, not including steam pumps	14	5,100					1	50		
50	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	39	20,850								
51	Saddlery and harness	87	34,925	6	700	2	100				
52	Sausage. (See also Slaughtering and meat packing, wholesale.)	13	5,644								
53	Shirts. (See also Furnishing goods, men's)	6	2,956	13	2,496	4	416			114	25,734
54	Slaughtering and meat packing, wholesale. (See also Sausage.)	42	23,700								
55	Soap and candles	10	3,850								
56	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials.)	50	21,964								
57	Tobacco, chewing, smoking, and snuff	15	7,160	40	6,000	5	855	2	774	5	692
58	Tobacco, cigars and cigarettes	110	55,394	190	55,800	3	328	215	70,211	334	89,511
59	Watch, clock, and jewelry repairing	20	11,350	1	600						
60	All other industries	1,610	760,810	332	67,839	28	4,965	592	321,994	195	50,887

DENVER, COLO.—Continued.

1	All industries	7,829	5,948,935	900	400,317	147	31,828	309	237,105	98	35,400
2	Awnings, tents, and sails	13	9,388	31	15,883						
3	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	135	114,677			2	426	2	716		
4	Bookbinding and blank-book making. (See also Printing and publishing.)	66	37,015	11	3,049	6	1,141				
5	Boots and shoes, custom work and repairing	100	72,376			1	166	20	11,288		
6	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	12	8,306	3	1,872						
7	Bread and other bakery products	185	130,460	26	9,316	1	104			35	11,050
8	Brick and tile. (See also Clay and pottery products.)	967	467,299			12	2,418	38	26,516		
9	Carpentering	433	390,262			1	312				
10	Carpets, rag			4	1,818	1	200				
11	Carriages and wagons, including custom work and repairing. (See also Blacksmithing and wheelwrighting.)	269	217,222			2	936				
12	Cars and general shop construction and repairs by steam railroad companies.	801	596,189								
13	Clay and pottery products. (See also Brick and tile.)	86	53,740			1	300				
14	Clothing, men's, custom work and repairing	167	143,451	45	23,464	3	520	90	71,118	25	7,080
15	Clothing, women's, dressmaking	5	4,940	70	37,836	2	208				
16	Clothing, women's, factory product	2	4,080	340	157,566						
17	Confectionery	89	61,689	58	16,014						
18	Dentistry, mechanical	5	5,696	3	936						
19	Dyeing and cleaning	14	10,660	3	1,590						
20	Flouring and grist mill products	85	63,100			1	312				
21	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	496	383,708								
22	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	41	30,562	50	14,120	8	1,248				
23	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	70	56,526	3	1,508	1	260				
24	Furniture, factory product. (See also Furniture, chairs.)	105	93,320	1	364						
25	Hand stamps	10	6,860	1	624						
26	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	140	100,106			1	255				
27	Jewelry. (See also Watch, clock, and jewelry repairing.)	21	20,237			1	156				
28	Lime and cement	89	60,258								
29	Lock and gun smithing	4	3,172								
30	Looking-glass and picture frames	7	5,002	3	1,248			1	360		
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.)	928	645,430			1	312				

BY SPECIFIED INDUSTRIES: 1890—Continued.

DAYTON, OHIO—Continued.

Average number of employes and total wages—continued. Piecework—Continued. Children. Number.	Wages.	Cost of materials used. Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Value of products. Total.	Principal products.	All other products, including receipts from custom work and repairing.	
.....	.....	$200,881	$100,654	$1,542	$1,150	$1,860	$101,675	$363,398	$220,398	$143,000	47
.....	.....	114,394	103,998	2,727	850	.....	6,819	427,211	426,511	700	48
.....	.....	5,623	5,241	72	.....	.....	310	21,330	16,080	5,250	49
.....	.....	36,074	35,075	254	.....	.....	745	89,820	72,900	16,920	50
.....	.....	68,756	65,570	749	100	.....	2,337	165,300	161,400	3,900	51
.....	.....	32,845	32,075	570	.....	.....	200	48,500	48,500	.....	52
.....	.....	81,807	78,685	72	450	.....	2,600	148,210	148,210	.....	53
.....	.....	265,436	264,126	1,310	.....	.....	.....	336,928	327,000	9,928	54
.....	.....	20,662	19,910	352	.....	.....	400	41,280	41,280	.....	55
.....	.....	37,317	35,254	358	150	.....	1,555	89,880	71,930	17,950	56
.....	.....	66,364	54,124	1,200	804	.....	10,236	166,242	166,242	.....	57
.....	.....	330,756	283,073	843	.....	.....	46,840	851,303	851,303	.....	58
.....	.....	13,219	12,950	159	.....	.....	110	44,850	18,800	26,050	59
.....	.....	3,194,687	2,785,733	28,470	3,665	19,330	357,480	5,869,769	5,656,967	212,802	60

DENVER, COLO.—Continued.

.....	.....	14,216,549	13,207,592	320,143	8,837	49,363	540,614	29,240,747	27,847,546	1,393,201	1
.....	.....	80,758	80,350	408	.....	.....	.....	141,471	137,271	4,200	2
.....	.....	121,671	105,911	7,354	.....	.....	8,406	407,889	290,844	117,045	3
.....	.....	39,793	26,200	415	352	.....	12,826	140,010	138,200	1,810	4
.....	.....	89,505	81,793	1,648	.....	.....	6,064	327,271	198,321	128,950	5
.....	.....	11,112	10,250	567	.....	.....	295	33,600	30,000	3,600	6
.....	.....	539,719	503,823	13,396	600	.....	21,900	966,206	960,106	6,100	7
.....	.....	165,837	.....	135,500	.....	.....	30,337	1,083,040	1,083,040	.....	8
.....	.....	394,093	360,486	575	.....	.....	33,032	1,070,026	975,540	94,486	9
.....	.....	4,406	3,900	206	.....	.....	300	12,105	9,425	2,680	10
.....	.....	251,194	230,691	4,779	.....	.....	15,724	668,305	497,985	170,320	11
.....	.....	690,230	670,566	10,968	.....	8,696	.....	1,325,019	1,193,019	132,000	12
.....	.....	83,575	78,205	3,970	.....	.....	1,400	192,290	187,290	5,000	13
.....	.....	257,617	246,015	1,622	.....	48	9,932	734,225	673,895	60,330	14
.....	.....	58,006	56,066	80	.....	.....	1,860	147,786	139,389	8,397	15
.....	.....	260,162	251,625	42	120	.....	8,375	642,760	637,120	5,640	16
.....	.....	250,890	242,111	1,459	120	.....	7,200	546,260	546,260	.....	17
.....	.....	9,057	8,800	44	88	.....	725	73,050	69,400	3,650	18
.....	.....	6,101	3,937	539	.....	.....	1,625	34,850	25,100	9,750	19
.....	.....	1,581,024	1,477,080	15,304	.....	12,480	75,560	1,945,000	1,780,250	165,350	20
.....	.....	433,803	385,570	17,688	.....	11,000	19,545	1,109,519	1,048,709	60,810	21
.....	.....	90,420	58,800	1,170	.....	100	30,350	207,424	206,924	500	22
.....	.....	55,649	46,725	431	.....	.....	8,493	197,311	163,915	33,396	23
.....	.....	122,513	110,010	803	.....	300	11,400	307,761	302,126	5,635	24
.....	.....	13,178	7,452	126	100	.....	5,500	45,700	40,500	5,200	25
.....	.....	124,844	114,562	2,089	223	200	7,770	312,660	287,200	25,460	26
.....	.....	46,912	45,535	372	340	150	515	116,400	82,500	33,900	27
.....	.....	40,725	16,900	23,075	.....	.....	750	146,530	146,530	.....	28
.....	.....	2,605	2,250	20	.....	.....	335	13,050	10,640	2,410	29
.....	.....	14,115	14,000	80	.....	.....	35	35,000	33,500	1,500	30
.....	.....	2,463,760	2,302,500	6,065	.....	6,714	88,481	4,017,362	3,998,862	18,500	31

TABLE 3.—MANUFACTURES IN 165 PRINCIPAL CITIES,

DENVER, COLO.—Continued.

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL.							
			Value of hired property.	Direct investment.						
				Aggregate.	Value of plant.			Live assets.		
					Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
32	Marble and stone work. (See also Monuments and tombstones.)	4	$6,500	$98,510	$2,000	$800	$12,300	$10,500	$9,600	$63,310
33	Millinery, custom work	19	164,300	97,010	.....	.....	8,210	40,950	17,715	30,135
34	Mineral and soda waters. (See also Bottling.)	4	16,550	41,495	6,000	2,500	15,300	4,650	1,850	11,195
35	Paints. (See also Chemicals.)	4	63,370	79,800	.....	.....	13,400	34,800	11,200	20,400
36	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	25	113,800	247,720	30,000	10,000	121,800	19,950	3,970	62,000
37	Printing and publishing, newspapers and periodicals (See also Bookbinding and blank-book making.)	15	143,500	473,865	25,000	39,780	239,187	36,375	6,225	127,293
38	Saddlery and harness	19	124,040	239,677	10,000	8,000	10,062	39,925	114,965	56,725
39	Slaughtering and meat packing, wholesale	3	22,000	200,150	15,000	4,900	42,150	9,750	63,850	64,500
40	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	24	163,100	177,181	.....	.....	35,300	36,150	31,625	74,106
41	Tobacco, cigars and cigarettes	21	113,750	204,911	2,000	3,000	4,075	87,705	22,830	84,401
42	Trunks and valises. (See also Leather goods.)	3	33,300	36,550	4,000	2,000	2,550	6,000	13,000	9,000
43	Watch, clock, and jewelry repairing. (See also Jewelry.)	27	134,050	59,015	.....	.....	16,150	6,935	10,790	25,140
44	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	3	9,750	5,905	.....	1,200	2,150	900	715	940
45	All other industries (a)	86	630,230	4,626,657	695,000	509,700	1,444,072	382,579	385,171	1,210,135

DES MOINES, IOWA.

1	All industries	330	1,269,963	3,877,140	455,699	639,917	991,704	647,892	408,083	733,845
2	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	29	41,300	38,637	10,200	5,000	8,850	5,160	3,127	6,300
3	Boots and shoes, custom work and repairing	10	12,610	2,425	.....	.....	1,285	840	200	100
4	Bread and other bakery products	15	73,225	125,193	11,500	29,600	30,800	20,075	5,525	27,693
5	Brick and tile. (See also Clay and pottery products.)	8	22,400	47,370	17,100	10,400	7,400	1,250	7,350	3,870
6	Brooms and brushes	3	11,335	18,775	1,000	500	3,650	3,400	4,125	6,100
7	Carpentering	5	3,715	26,400	4,000	900	1,400	3,900	5,500	10,700
8	Cars and general shop construction and repairs by steam railroad companies.	3	.....	185,579	15,070	74,800	48,060	37,689	9,960	.....
9	Clay and pottery products. (See also Brick and tile.)	4	.....	162,258	43,300	29,300	40,054	3,300	26,798	19,506
10	Clothing, men's, custom work and repairing	18	85,000	92,435	.....	.....	6,420	63,450	9,335	13,230
11	Clothing, women's, dressmaking	6	15,000	1,365	.....	.....	410	625	190	140
12	Confectionery	3	27,040	45,550	5,000	5,000	2,600	2,050	20,200	10,700
13	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds.)	4	6,500	19,650	6,500	3,500	350	2,000	2,300	5,000
14	Flouring and grist mill products	6	12,000	66,932	10,500	9,500	23,950	6,592	3,740	12,650
15	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	13	16,700	316,320	77,500	32,250	119,890	24,750	25,150	36,780
16	Hand stamps	3	4,100	6,975	.....	.....	5,500	750	400	325
17	Ironwork, architectural and ornamental. (See also Foundry and machine shop products.)	3	4,835	71,600	1,000	30,000	14,500	4,100	10,500	11,500
18	Lumber, planing mill products, including sash, doors, and blinds. (See also Lumber and other mill products from logs or bolts; Wood, turned and carved.)	5	25,010	92,700	15,000	11,000	23,500	12,200	9,700	21,300
19	Marble and stone work. (See also Monuments and tombstones.)	3	18,190	3,550	.....	300	1,000	400	1,350	500
20	Masonry, brick and stone	3	1,454	15,975	.....	.....	1,575	2,900	7,500	4,000
21	Millinery, custom work	13	80,500	59,000	1,500	1,500	4,450	35,900	8,350	7,300
22	Mineral and soda waters	3	5,000	38,900	6,000	4,000	15,000	3,800	1,100	9,000
23	Painting and paper hanging	6	19,184	23,680	500	500	2,125	10,380	525	9,650
24	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	7	25,340	117,542	.....	.....	8,297	14,080	7,494	87,671
25	Paving and paving materials	4	5,800	19,050	5,000	2,850	5,700	2,000	900	2,600
26	Photography	6	22,675	10,500	.....	500	6,350	1,050	1,550	1,050
27	Plumbing and gas fitting	8	22,800	44,450	2,000	2,000	5,050	12,400	2,800	20,200
28	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	13	65,775	206,789	32,000	24,500	105,600	15,415	11,000	18,274
29	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	21	143,000	325,623	21,883	43,000	145,831	18,651	1,500	94,758

a Embraces artificial feathers and flowers, 1; baking and yeast powders, 2; baskets and rattan and willow ware, 1; bicycle and tricycle repairing, 2; boot and shoe uppers, 2; bottling, 1; boxes, fancy and paper, 2; brass castings and brass finishing, 1; brooms and brushes, 2; carriage and wagon materials, 1; chemicals, 1; clothing, men's, factory product, 2; electroplating, 1; engraving and diesinking, 2; fancy articles, not elsewhere specified, 1; food preparations, 2; fur goods, 2; furnishing goods, men's, 1; furniture, chairs, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 2; grease and tallow, 2; hairwork, 2; hosiery and knit goods, 2; ice, artificial, 1; instruments, professional and scientific, 1; kaolin and other earth grinding, 2; kindling wood, 1; lead, bar, pipe, and sheet, 1; leather goods, 1; leather, tanned and curried, 1; liquors, malt, 2; lithographing and engraving, 2; lumber and other mill products from logs or bolts, 1;

BY SPECIFIED INDUSTRIES: 1890—Continued.

DENVER, COLO.—Continued.

MISCELLANEOUS EXPENSES.								AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.						
								Aggregates.		Officers, firm members, and clerks.				
										Males above 16 years.		Females above 15 years.		
Total.	Rent paid for tenancy.	Taxes, including internal revenue.	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Number.	Wages.	Number.	Wages.	
$1,863	$780	$148	.....	$475	.....	.....	$460	131	$150,072	10	$12,304	.....	.....	32
23,963	19,071	1,052	$1,234	10	.....	$100	2,496	121	67,916	6	5,400	32	$22,528	33
3,232	1,820	182	190	240	.....	.....	800	35	26,794	8	8,250	.....	.....	34
9,850	6,020	320	1,190	525	.....	45	1,750	44	34,828	11	11,690	.....	.....	35
23,913	12,518	1,169	1,112	3,084	.....	1,668	4,362	200	165,558	36	52,640	1	468	36
127,533	15,780	2,356	2,456	3,835	.....	1,271	101,835	598	619,235	76	98,782	2	884	37
25,636	13,644	1,445	1,462	700	.....	2,110	6,275	135	116,525	33	41,016	.....	.....	38
23,946	2,000	700	1,396	2,450	.....	7,000	10,400	68	58,242	9	13,920	.....	.....	39
24,878	17,948	1,145	1,198	875	.....	162	3,550	159	130,555	39	47,820	.....	.....	40
43,989	12,512	28,240	1,546	520	.....	505	666	255	189,928	30	35,528	1	600	41
5,828	3,660	190	303	250	.....	100	1,325	26	24,422	4	9,660	.....	.....	42
19,708	14,746	457	500	425	.....	330	3,250	81	79,718	35	39,685	.....	.....	43
1,357	1,170	57	35	65	.....	.....	30	13	12,844	4	4,576	.....	.....	44
361,482	69,325	181.038	23,446	38,481	$3,000	22,111	24,081	1,701	1,451,302	194	285,770	6	3,165	45

DES MOINES, IOWA.

442,162	112,230	34,198	26,008	29,838	300	38,288	201,300	3,935	2,068,359	466	417,330	49	19,923	1
5,902	4,130	217	85	10	.....	720	740	97	59,363	29	23,560	.....	.....	2
1,302	1,261	.....	11	.....	.....	30	.....	20	12,336	4	2,680	.....	.....	3
15,710	7,321	1,478	761	850	.....	.....	5,300	147	81,012	27	29,075	10	3,270	4
3,092	2,240	160	67	400	.....	175	50	123	44,211	9	6,175	.....	.....	5
1,815	1,020	50	180	20	.....	400	145	50	18,804	4	3,380	.....	.....	6
627	409	85	63	50	.....	20	.....	68	36,560	6	5,150	.....	.....	7
.....	.....	.....	.....	.....	.....	.....	.....	322	182,757	4	4,580	.....	.....	8
17,149	.....	437	513	9,537	.....	1,028	5,634	94	49,552	9	8,376	.....	.....	9
11,386	8,510	1,027	614	645	.....	420	170	166	105,394	20	19,360	.....	.....	10
1,451	1,440	.....	.....	.....	.....	.....	11	27	8,678	.....	.....	6	2,808	11
2,814	2,200	291	323	.....	.....	.....	.....	73	25,520	7	5,950	1	300	12
1,019	650	273	96	.....	.....	.....	.....	15	7,814	4	2,540	1	624	13
3,740	1,080	330	495	1,097	.....	302	436	24	14,916	8	6,170	.....	.....	14
12,936	1,336	2,443	2,107	2,200	.....	3,050	1,800	267	166,931	30	28,852	.....	.....	15
417	410	.....	7	.....	.....	.....	.....	8	5,730	3	2,730	.....	.....	16
2,455	480	860	375	190	.....	300	250	42	23,760	7	6,900	.....	.....	17
6,465	2,400	1,055	1,150	650	.....	710	500	87	56,540	7	6,720	.....	.....	18
3,246	1,475	465	156	350	.....	300	500	22	14,256	2	2,000	.....	.....	19
1,606	1,600	.....	31	.....	.....	15	50	127	89,123	6	8,100	.....	.....	20
7,540	6,440	510	390	.....	.....	.....	200	84	28,406	4	3,500	17	6,560	21
1,874	500	475	824	75	.....	.....	.....	27	13,860	3	2,580	2	1,560	22
2,746	2,110	449	162	25	.....	.....	.....	82	47,390	9	7,350	.....	.....	23
28,842	2,015	211	284	135	.....	.....	26,197	72	29,524	9	7,305	.....	.....	24
3,345	580	290	85	390	.....	1,940	60	143	59,725	5	3,360	.....	.....	25
2,246	2,040	57	62	75	.....	12	.....	26	16,375	8	6,800	2	550	26
3,851	2,055	670	261	315	.....	540	10	72	48,906	10	8,873	.....	.....	27
14,155	5,262	1,791	1,181	1,545	.....	1,331	3,045	203	99,067	21	18,390	1	500	28
108,448	11,432	3,044	1,794	1,250	.....	1,656	89,263	289	174,649	51	44,363	3	1,350	29

masonry, brick and stone, 1; mattresses and spring beds, 2; models and patterns, 1; monuments and tombstones, 2; oil, lubricating, 1; oleomargarine, 1; optical goods, 2; painting and paper hanging, 1; patent medicines and compounds, 1; paving and paving materials, 2; pickles, preserves, and sauces, 2; pipes, tobacco, 1; plastering and stuccework, 1; plumbers' supplies, 1; printing materials, 1; roofing and roofing materials, 1; scales and balances, 1; shirts, 1; soap and candles, 2; stamped ware, 1; steam fittings and heating apparatus, 1; stencils and brands, 2; stereotyping and electrotyping, 2; taxidermy, 1; tools, not elsewhere specified, 2; watch cases, 1; wirework, including wire rope and cable, 1.