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EXTRA CENSUS BULLETIN.

No. 67. WASHINGTON, D. C. March 15, 1894.

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,
WASHINGTON, D. C., February 20, 1894.

SIR:

I have the honor to transmit the accompanying bulletin, which presents preliminary totals for all classes of mechanical and manufacturing industries in the United States, as prepared by the Division of Manufactures.

Very respectfully,

CARROLL D. WRIGHT,
Commissioner of Labor in charge.

The SECRETARY OF THE INTERIOR.

STATISTICS OF MANUFACTURES.

TOTALS FOR THE UNITED STATES: 1890.

With the exception of mining and quarrying, which forms the subject of a separate report, this bulletin presents for the United States and for each state and territory the statistics concerning all classes of mechanical and manufacturing industries as reported at the Eleventh Census. The data are also presented by specified industries for the United States. The tabular statements include only establishments which reported a product of $500 or more in value during the census year ending May 31, 1890. The tables show: 1st, capital, excluding the value of hired property, under the subheads of land; buildings; machinery, tools, and implements, and live assets: 2d, miscellaneous expenses; 3d, average number of employés and total wages, the employés being subdivided into classes of officers, firm members and clerks; operatives, skilled and unskilled, and pieceworkers, the males, females, and children of each class being shown separately; 4th, cost of materials used; 5th, value of products. The figures are preliminary and subject to modification for final report.

It was found impracticable to make a complete canvass of the entire United States for the collection of statistics pertaining to the generation of electricity for lighting and power purposes; the data concerning this industry are, therefore, confined to the state of New York, the city of St. Louis, Mo., and the District of Columbia. A large number of reports were received from dentists, which purported to represent only the mechanical work, but it was evident that in many cases operative dentistry had been included. This fact, combined with the strenuous objection on the part of the profession to give any information whatever of the character required by the census schedule, on the ground that the census law did not seek to secure the returns for professional services, caused the office to discontinue its efforts to obtain further reports for the mechanical branch of the profession. The statistics published are those which were secured prior to the objection referred to.

The fact that the agents of the Census Office experienced in some cases great difficulty in obtaining reports from large manufacturers who refused or neglected to comply with the requirements of the law, has caused the totals stated in some instances to be less than they would have been had these reports been included, but these omissions are comparatively few in number, and affect the statistical value of the data but slightly.

The individual returns were classified according to the product of chief value, but some of the differences, which will appear upon comparison of these data with corresponding classes reported at the census of 1880, are due to changes in the classification. Great care has been exercised in assigning the individual reports to the different

classes, and copious cross references are made in the case of those general classes in which some of the products are common. When different branches of the same industry follow immediately in alphabetical order, these cross references have been omitted.

When two or more plants owned by the same corporation, firm, or individual are located in the same county or city, and engaged in the same industry, they are tabulated and counted as one establishment.

Owing to changes in the form of inquiry and the inclusion at the Eleventh Census of certain industries omitted at the census of 1880, the data reported at the two census periods can not be considered as an exact indication of the growth of manufacturing and mechanical industries during the decade.

The following comparative summary shows the totals for the United States in all classes of manufactures as reported for the two census periods:

COMPARATIVE SUMMARY OF TOTALS FOR THE UNITED STATES: 1890 AND 1880.

ITEMS.	1890	1880
Number of establishments reporting	355,401	253,852
Capital	$6,524,475,305	$2,790,272,606
Miscellaneous expenses	$630,944,058	(a)
Average number of employés (aggregate)	4,711,832	2,732,595
Total wages	$2,282,823,265	$947,953,795
Officers, firm members, and clerks—		
Average number	461,049	(b)
Total wages	$891,914,518	(b)
All other employés—		
Average number	4,250,783	(b)
Total wages	$1,890,908,747	(b)
Cost of materials used	$5,158,868,353	$3,396,823,549
Value of products	$9,370,107,624	$5,369,579,191

a This item was not reported at the census of 1880.
b Not reported separately at the census of 1880.

The following industries were omitted at the census of 1880, but are included in the totals presented for 1890, viz: bottling; cars and general shop construction and repairs by steam railroad companies; china decorating; clothing, women's, dressmaking; coffins and burial cases, trimming and finishing; cotton cleaning and rehandling; cotton ginning; cotton waste; drug grinding; druggists' preparations, not including prescriptions; gas, illuminating and heating; hay and straw baling; and millinery, custom work. Petroleum refining formed the subject of a separate report at the census of 1880 and the statistics were not included in the report on manufactures.

The true increase during the decade is more nearly shown by the following comparative table, in which the statistics for 1890 do not include the data for the industries enumerated above, with the exception of petroleum refining, and in which the statistics for 1880 have been perfected by the inclusion of petroleum refining and the elimination of certain data duplicated under the head of "Mixed textiles":

COMPARATIVE SUMMARY OF TOTALS, WITH PERCENTAGE OF INCREASE, FOR THE UNITED STATES: 1890 AND 1880.

ITEMS.	1890	1880 (a)	Percentage of increase.
Number of establishments reporting	322,624	253,502	27.27
Capital	$6,138,716,604	$2,780,766,895	120.76
Miscellaneous expenses	$615,056,643	(b)	.....
Average number of employés (aggregate)	4,476,094	2,700,732	65.74
Total wages	$2,171,356,919	$939,462,252	131.13
Officers, firm members, and clerks—			
Average number	426,139	(c)	.....
Total wages	$372,005,001	(c)	.....
All other employés—			
Average number	4,049,955	(c)	.....
Total wages	$1,799,351,918	(c)	.....
Cost of materials used	$5,018,277,603	$3,395,925,123	47.77
Value of products	$9,054,435,337	$5,349,191,458	69.27

a The difference between the totals stated in the table and those published in the reports of the Tenth Census is caused by the elimination of data duplicated under the head of "Mixed textiles", such data having been included in the totals for the different branches of the textile industry, also by the inclusion of petroleum refining.
b This item was not reported at the census of 1880.
c Not reported separately at the census of 1880.

It will be observed that the item "Miscellaneous expenses" is given for 1890 only. No previous census inquiry has embraced the cost incurred in manufacturing operations other than wages and materials used. With the exception of a few special inquiries the question used at the census of 1880 concerning "Capital" was as follows: "Capital (real and personal) invested in the business". The inquiry at the Eleventh Census was more in detail and intended to include all the property or assets strictly pertaining to a manufacturing business.

The questions respecting employés and wages used at the Tenth Census generally called only for the "greatest number of hands employed at any one time during the year", also "the average number of hands employed" without designating the different classes. The question used at the Eleventh Census required the average number of employés to be reported by classes of officers and firm members; clerks; operatives, skilled and unskilled; and pieceworkers.

The cost of materials used is the reported cost at the place of consumption. The value of products is the reported value at the factory of the total product for the year, not including any allowance for commissions or expenses of selling. The products of one industry frequently become the materials for another, the repetition being continued through several processes of manufacture, thus constantly adding to the total value of products by the duplication and inclusion of the cost of the original materials. This duplication is unavoidable and is statistically correct, but the reported aggregate value of products can not be considered as a correct indication of the contribution to the wealth of the country by manufacturing processes.

The total value of products reported for the United States is $9,370,107,624; but the contribution to the wealth of the country is more nearly shown by deducting from this amount $5,158,868,353, the cost of the materials used, leaving $4,211,239,271 as the increased value of the raw materials.

The difference between the apparent cost and the value of manufactured product can not be taken as indicating the profit or earnings of capital, because many items of expense enter into the mercantile portion of the business, which branch is not within the scope of the census inquiry. The data furnished in the reports relating to depreciation of manufacturing plants are not sufficient to form a basis for correct computations, and therefore are omitted from these tables.

Table 1 presents the total for all classes of mechanical and manufacturing industries in the United States and in each state and territory as reported at the Eleventh Census. Table 2 presents these statistics for the United States and for each class of industry for which three or more establishments were reported as being in operation during the census year. Industries in which less than three establishments were reported are grouped in order to avoid disclosing the operations of individual establishments.

TABLE 1.—THE UNITED STATES, BY

[Live assets includes raw materials; stock in process and finished products on hand, and cash, bills, and accounts receivable. Miscellaneous expenses includes used in the business, and all sundries not elsewhere reported. Cost of

	STATES AND TERRITORIES.	Number of establishments reporting.	CAPITAL. Aggregate.	Value of plant. Total.	Land.	Buildings.	Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Total wages.	Officers, firm members, and clerks. Males above 16 years. Number.	Wages.
1	United States...	355,401	$6,524,475,305	$3,238,701,496	$775,713,649	$878,832,137	$1,584,155,710	$3,285,773,809	$630,944,058	4,711,832	$2,282,823,265	418,014	$372,062,439
2	Alabama	2,977	46,122,571	33,837,984	6,222,432	6,487,089	21,128,463	12,284,587	2,797,896	33,821	12,676,029	2,553	1,821,211
3	Alaska	10	105,727	96,703	4,250	26,350	66,103	9,024	5,252	86	22,173	8	3,548
4	Arizona	76	616,629	383,290	24,120	76,240	282,930	233,339	49,231	528	358,127	70	55,981
5	Arkansas	2,073	14,971,614	10,448,236	2,707,958	1,782,609	5,957,669	4,523,378	1,035,107	15,972	5,749,888	1,783	1,073,303
6	California	7,923	146,797,102	80,001,604	21,352,256	15,898,565	42,753,783	66,792,498	12,984,191	83,642	51,538,780	9,972	9,774,950
7	Colorado	1,518	26,651,840	14,911,757	3,628,703	3,065,498	8,217,556	11,740,083	1,948,025	17,067	12,285,734	1,923	2,323,926
8	Connecticut	6,822	227,004,496	101,457,999	14,781,994	34,495,124	52,180,881	125,546,497	15,399,101	149,939	75,990,606	8,632	9,167,490
9	Delaware	1,003	33,695,400	16,707,698	3,494,802	5,394,517	7,818,289	16,987,792	1,851,575	21,906	9,892,387	1,305	1,204,938
10	Dist. of Columbia	2,295	28,865,089	19,378,931	5,438,756	5,396,278	8,543,897	9,486,158	1,589,869	23,404	14,622,264	2,689	2,200,834
11	Florida	805	11,110,304	7,277,120	2,435,136	1,079,512	3,762,472	3,833,184	1,131,067	13,927	6,513,068	741	564,799
12	Georgia	4,285	56,921,580	36,137,965	8,034,507	9,072,266	19,031,192	20,783,615	4,019,539	56,383	17,312,196	3,790	2,569,166
13	Idaho	140	1,048,916	616,560	80,560	146,108	389,892	432,356	69,586	774	324,202	105	67,255
14	Illinois	20,482	502,001,512	236,825,020	61,986,313	68,754,214	106,084,493	265,179,492	79,515,193	312,198	171,523,579	28,878	27,086,400
15	Indiana	12,354	132,405,366	63,423,291	11,477,139	20,552,707	31,393,355	68,982,165	16,500,903	124,349	51,749,976	12,731	8,742,523
16	Indian territory.	20	204,329	147,749	5,800	27,400	114,549	56,580	11,590	175	79,830	8	6,608
17	Iowa	7,410	77,513,097	39,001,353	10,322,103	11,375,796	17,303,454	38,511,744	5,732,206	59,174	25,878,997	7,583	5,233,383
18	Kansas	4,471	43,926,002	23,913,090	4,716,300	8,734,553	10,462,237	20,012,912	5,853,466	32,843	16,328,485	4,311	2,915,686
19	Kentucky	7,745	79,811,980	36,712,121	7,468,633	12,127,764	17,115,724	43,099,859	15,879,728	65,579	27,761,746	8,074	5,988,985
20	Louisiana	2,613	34,754,121	20,976,072	4,882,106	4,764,183	11,329,783	13,778,049	3,760,753	31,901	13,159,564	3,267	2,912,703
21	Maine	5,010	80,419,809	41,183,178	7,198,639	12,039,040	21,945,499	39,236,631	5,394,694	75,780	26,526,217	4,853	3,370,916
22	Maryland	7,485	119,667,316	58,204,999	13,565,147	17,703,369	26,936,483	61,462,317	10,616,347	107,054	41,526,832	8,695	6,855,782
23	Massachusetts	26,923	630,032,341	274,781,845	40,926,844	83,906,371	149,948,630	355,250,496	63,083,782	485,182	239,670,509	32,475	31,343,429
24	Michigan	12,127	262,412,240	135,667,551	61,557,730	24,269,785	49,840,036	126,744,689	18,348,381	163,941	66,347,798	14,174	10,920,189
25	Minnesota	7,505	127,686,618	65,377,472	27,332,889	12,567,605	25,476,978	62,309,146	12,136,612	79,629	38,189,239	8,617	7,253,680
26	Mississippi	1,698	14,896,884	9,989,714	2,006,782	2,447,028	5,535,904	4,907,170	827,627	15,817	4,913,863	1,324	710,313
27	Missouri	14,045	189,236,422	86,526,312	21,366,183	25,159,128	40,001,031	102,710,080	22,860,438	142,924	76,327,907	17,357	16,027,711
28	Montana	289	4,293,794	2,448,313	561,265	689,165	1,197,883	1,845,481	296,684	2,696	1,948,213	291	281,702
29	Nebraska	3,014	37,569,508	20,416,158	4,668,810	7,465,566	8,281,782	17,153,350	5,395,242	23,876	12,984,571	3,184	2,595,196
30	Nevada	95	1,211,269	694,510	203,410	194,123	296,977	516,759	53,869	620	445,503	54	64,721
31	New Hampshire.	3,229	79,375,160	41,210,934	8,392,436	10,884,979	21,933,519	38,164,226	4,363,192	63,361	24,248,054	2,798	2,127,654
32	New Jersey	9,221	219,890,428	128,317,516	26,056,714	40,770,779	61,490,023	121,572,912	18,209,798	186,901	96,509,703	12,595	13,345,066
33	New Mexico	127	965,938	717,750	60,507	185,295	471,948	248,188	76,638	944	532,727	91	61,425
34	New York	65,840	1,130,161,195	532,753,966	120,861,115	141,542,405	270,350,446	597,407,229	122,042,219	850,084	466,846,642	87,936	91,343,801
35	North Carolina	3,667	32,745,995	20,239,772	3,730,403	4,932,861	11,576,508	12,506,223	3,329,101	36,214	7,830,536	2,512	1,250,705
36	North Dakota	382	2,894,553	1,643,130	201,160	498,520	943,450	1,251,423	236,909	1,847	1,002,881	329	237,181
37	Ohio	28,673	402,793,019	182,623,997	38,125,149	58,206,728	86,292,120	220,169,022	45,062,325	331,548	158,768,883	33,852	28,311,557
38	Oklahoma	72	95,519	72,936	13,412	8,410	51,114	22,583	21,970	195	71,918	48	19,592
39	Oregon	1,523	32,122,051	19,865,297	8,147,763	4,380,451	7,337,083	12,256,754	2,108,668	18,798	11,535,229	1,956	1,916,929
40	Pennsylvania	39,336	990,999,375	505,400,180	111,859,797	135,112,770	258,427,613	485,599,195	74,833,862	620,484	305,556,229	46,716	40,788,793
41	Rhode Island	3,377	126,483,401	68,013,492	8,980,688	19,294,199	39,738,605	58,469,909	8,825,407	85,976	37,927,921	4,099	4,351,338
42	South Carolina	2,382	29,276,261	18,217,731	2,981,486	5,591,670	9,644,578	11,058,527	1,792,386	24,662	6,590,983	1,731	1,055,202
43	South Dakota	499	3,207,796	2,164,920	322,855	512,142	1,329,023	1,043,776	268,214	2,422	1,098,418	401	262,060
44	Tennessee	4,559	51,475,092	29,895,690	6,441,558	7,263,689	16,190,443	21,579,402	4,126,271	42,759	16,899,351	5,026	3,240,854
45	Texas	5,268	46,815,181	30,351,607	8,495,546	6,090,177	15,765,884	16,463,574	3,594,940	39,475	18,586,338	4,418	3,285,112
46	Utah	531	6,583,022	3,603,015	1,281,296	838,690	1,483,059	2,979,977	455,968	4,980	2,715,805	576	504,635
47	Vermont	3,031	32,763,291	16,825,322	3,606,967	4,995,066	8,223,289	15,937,969	2,188,826	24,894	10,096,549	2,629	1,605,435
48	Virginia	5,915	63,456,799	34,962,393	7,041,581	9,572,702	18,348,110	28,494,406	7,421,087	59,591	19,644,850	5,684	3,711,100
49	Washington	1,543	34,369,735	21,543,391	9,133,392	3,643,086	8,766,916	12,826,341	2,180,557	20,366	12,658,614	1,642	1,619,584
50	West Virginia	2,376	28,118,030	16,464,520	3,615,607	4,138,734	8,710,179	11,653,510	1,960,929	21,969	8,320,997	2,475	1,357,604
51	Wisconsin	10,417	246,515,404	125,455,518	57,766,281	24,461,110	43,228,127	121,059,886	18,602,764	132,031	51,843,708	10,949	8,448,995
52	Wyoming	190	1,411,184	811,838	146,369	209,721	455,748	599,346	91,073	1,144	878,646	104	80,489

STATES AND TERRITORIES: 1890.

rent for tenancy; taxes (including internal revenue); insurance; repairs, ordinary, of buildings and machinery; amount paid contractors; interest paid on cash materials used includes fuel; rent of power and heat, and mill supplies.]

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks—Cont'd.		Operatives, skilled and unskilled.						Piecework.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
43,035	$19,852,079	2881,439	$1436,317,558	505,546	$139,283,393	101,471	$14,699,217	445,757	$222,671,209	296,847	$75,781,399	16,723	$2155,971	$5158,868,353	$9370,107,624	1
131	55,071	25,816	9,347,285	1,649	385,534	1,344	143,015	2,032	883,756	215	31,076	81	9,081	28,432,281	51,226,605	2
.....	.....	78	18,625	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30,198	58,440	3
.....	.....	436	293,809	9	4,435	9	782	4	3,120	.....	.....	.....	.....	353,814	947,547	4
46	27,399	12,725	4,343,675	382	87,800	353	39,531	552	171,885	81	4,583	50	1,712	12,397,261	22,659,179	5
974	590,912	50,569	32,913,974	6,968	2,130,192	1,513	261,478	8,496	4,674,798	4,806	1,158,850	344	33,626	120,241,025	213,404,096	6
128	89,403	12,899	8,835,749	1,114	470,557	272	50,861	622	473,532	109	41,706	.....	.....	20,848,516	42,480,205	7
793	357,799	83,895	45,553,505	23,095	6,753,854	2,759	477,627	17,423	9,669,768	13,016	3,944,039	326	66,524	123,183,080	248,536,364	8
122	56,974	14,586	7,071,775	2,009	392,496	1,094	138,239	1,633	931,074	881	83,848	276	13,043	21,161,752	37,571,848	9
309	157,288	15,860	9,732,366	2,599	1,092,106	128	22,050	1,254	992,426	560	424,134	5	1,060	17,194,666	39,331,437	10
67	29,655	8,512	3,569,122	715	217,358	189	21,608	3,027	1,893,862	697	207,197	79	9,467	8,021,854	18,222,890	11
295	119,034	40,903	12,335,399	4,831	1,066,618	3,177	315,547	1,876	640,892	1,167	232,188	344	33,352	35,774,480	68,917,020	12
2	1,040	614	246,292	21	3,835	17	1,810	15	3,970	.....	.....	.....	.....	638,673	1,396,096	13
3,102	1,563,914	213,795	116,890,314	23,689	6,928,495	4,973	720,182	28,087	15,706,156	9,221	2,563,656	453	64,462	529,019,089	908,640,280	14
1,028	430,195	82,650	34,068,840	6,847	1,429,496	2,968	375,257	12,310	5,661,209	5,468	1,608,791	347	33,665	130,119,106	226,525,082	15
.....	.....	146	67,114	3	784	7	574	11	4,750	.....	.....	.....	.....	127,864	248,932	16
554	215,994	41,418	17,830,055	3,396	734,687	1,426	178,638	2,792	1,402,600	1,787	265,119	218	18,521	79,292,407	125,049,183	17
295	124,624	23,022	11,771,341	1,543	323,963	601	70,576	1,824	956,614	969	160,758	278	4,923	78,845,167	110,219,805	18
1,055	479,554	39,082	16,189,472	5,385	1,233,275	1,895	227,070	6,865	2,999,381	2,855	607,239	368	36,770	61,588,583	126,719,857	19
257	124,292	15,998	6,941,230	2,836	601,893	533	59,523	4,969	1,927,637	3,962	581,336	79	10,950	33,282,724	57,806,713	20
553	192,719	40,714	15,483,715	11,923	3,169,104	1,248	166,774	6,167	2,343,558	9,128	1,721,956	1,194	77,475	51,520,589	95,689,500	21
551	229,636	52,404	23,547,944	14,564	3,223,922	3,397	332,789	14,857	5,501,876	11,868	1,785,626	718	49,257	92,059,360	171,842,593	22
5,437	2,482,743	250,871	135,516,487	88,382	26,419,831	7,757	1,323,199	54,599	28,166,329	44,541	14,126,375	1,120	292,116	473,199,434	888,160,403	23
1,093	414,703	118,303	46,062,636	8,369	1,796,396	2,326	292,169	14,873	5,370,016	4,488	924,057	315	37,632	154,521,918	277,896,706	24
1,222	564,436	59,610	26,517,634	4,176	1,187,726	653	92,223	4,390	2,293,977	854	273,614	107	5,949	118,481,941	192,033,478	25
28	11,796	11,679	3,717,054	829	197,458	683	68,834	641	121,196	407	64,068	226	23,144	10,064,897	18,705,834	26
1,563	721,512	90,786	48,277,497	11,697	3,110,395	3,105	475,871	11,549	6,212,231	6,544	1,477,304	323	25,386	177,107,885	323,897,688	27
19	14,098	2,105	1,432,779	62	35,044	11	2,608	195	173,217	13	8,765	.....	.....	2,375,093	5,507,573	28
242	117,897	17,434	9,420,237	1,230	332,654	611	84,086	829	387,394	243	44,306	103	2,801	67,334,532	93,037,794	29
8	4,247	411	328,854	14	2,826	1	120	132	44,735	.....	.....	.....	.....	439,058	1,105,063	30
452	193,110	32,762	13,632,029	16,326	4,774,664	1,387	212,720	4,747	2,074,694	4,607	1,198,685	282	34,498	47,754,152	85,770,549	31
981	415,256	106,282	58,833,756	23,022	6,297,979	4,771	710,260	24,815	13,353,442	13,893	3,468,619	542	85,325	188,960,704	353,179,917	32
4	941	793	448,306	9	3,230	15	2,322	25	12,799	7	3,704	.....	.....	691,420	1,516,195	33
10,082	5,122,282	453,552	263,838,516	107,857	32,358,000	10,470	1,621,250	91,751	48,830,785	86,493	23,348,915	1,943	383,093	871,264,085	1,711,577,671	34
77	27,710	21,252	4,904,628	5,174	745,701	3,755	322,426	1,413	355,794	1,053	163,156	978	60,416	22,789,187	40,375,450	35
19	6,568	1,331	688,515	83	22,155	16	2,758	67	44,664	2	1,040	.....	.....	3,087,161	5,028,107	36
4,714	2,009,527	209,451	102,397,767	24,943	5,749,750	5,406	836,088	35,449	15,761,149	16,588	3,536,747	1,145	166,298	341,016,464	641,688,064	37
.....	.....	132	50,260	3	620	11	1,016	1	400	.....	.....	.....	.....	56,518	180,445	38
82	58,566	14,694	8,856,556	649	234,946	197	31,840	1,060	376,052	157	59,550	3	790	21,793,578	41,432,174	39
3,445	1,418,689	403,607	206,316,258	53,778	14,671,194	19,580	2,984,454	57,265	30,271,937	33,256	8,686,445	2,837	418,459	773,530,105	1,331,523,101	40
766	337,270	46,655	23,248,561	20,940	5,999,522	5,625	894,645	3,029	1,666,628	4,662	1,398,457	200	31,500	76,253,023	142,500,625	41
183	61,042	15,901	4,299,473	3,476	668,438	2,264	217,274	763	216,964	299	68,258	45	4,332	18,873,666	31,926,681	42
10	3,665	1,769	759,556	123	31,366	35	3,544	77	36,120	6	1,978	1	129	3,523,810	5,682,748	43
246	101,317	30,549	11,827,658	2,631	538,573	1,333	150,355	2,095	875,364	642	140,495	237	24,695	40,463,782	72,355,286	44
263	152,731	29,978	13,694,480	1,592	432,508	906	122,800	1,865	829,558	371	64,127	82	5,022	36,152,308	70,433,551	45
55	19,905	3,363	1,871,258	417	113,368	185	25,581	294	170,056	68	9,749	22	1,253	4,252,030	8,911,047	46
146	63,561	17,795	7,139,505	2,145	626,679	343	52,152	1,190	447,570	600	157,477	46	4,170	20,433,174	38,340,066	47
341	116,820	34,983	12,199,488	5,917	864,602	2,498	226,202	5,681	1,819,592	3,708	653,807	749	53,239	50,148,285	88,363,824	48
47	27,136	17,181	10,307,160	455	176,732	129	22,761	883	495,336	28	9,830	1	75	19,917,057	41,768,622	49
154	61,614	14,963	5,611,054	912	167,964	763	102,167	2,111	935,743	543	88,219	48	6,632	23,729,089	38,702,125	50
1,076	436,446	96,224	36,341,738	6,670	1,456,403	1,727	212,549	9,096	3,942,838	6,081	979,610	208	25,129	145,437,016	248,546,164	51
18	10,988	901	726,217	57	16,265	5	982	56	41,765	3	1,940	.....	.....	1,084,432	2,367,601	52

TABLE 2.—THE UNITED STATES, BY

[Live assets includes raw materials; stock in process and finished products on hand, and cash, bills, and accounts receivable. Miscellaneous expenses includes used in the business, and all sundries not elsewhere reported. Cost of

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Aggregate.	Value of plant. Total.	Land.	Buildings.	Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Total wages.
1	Agricultural implements	910	$145,313,997	$31,811,412	$6,246,748	$13,671,576	$11,893,088	$113,502,585	$11,129,548	42,544	$21,811,761
2	Ammunition	35	4,368,529	2,398,483	453,045	1,046,593	898,845	1,970,046	292,856	2,267	1,110,482
3	Artificial feathers and flowers. (See also Millinery and lace goods.)	251	3,081,828	391,734	105,900	60,000	225,834	2,690,094	320,446	6,835	2,681,185
4	Artificial limbs. (See also Surgical appliances.)	59	186,896	84,385	13,110	8,150	63,125	102,511	40,170	250	189,370
5	Artists' materials	39	361,460	119,095	27,125	27,510	64,460	242,365	45,400	306	165,341
6	Awnings, tents, and sails	581	3,063,009	422,538	93,560	78,400	250,578	2,640,471	325,853	3,872	2,208,235
7	Axle grease	31	451,228	195,217	71,000	63,600	60,617	256,011	50,158	194	135,109
8	Babbitt metal and solder	36	954,654	256,475	101,550	88,350	66,575	698,179	49,866	261	188,229
9	Bagging, flax, hemp, and jute	16	3,332,102	1,964,200	202,800	462,400	1,299,000	1,367,902	122,272	3,149	905,213
10	Bags, other than paper	64	6,015,685	1,740,190	264,700	455,400	1,020,090	4,275,495	346,889	3,769	1,462,011
11	Bags, paper	56	2,321,797	879,460	71,239	112,850	695,371	1,442,337	216,584	1,382	580,092
12	Baking and yeast powders	150	3,587,919	976,593	257,170	319,575	399,848	2,611,326	705,991	1,867	1,001,130
13	Baskets and rattan and willow ware. (See also Whalebone and rattan.)	403	2,702,713	852,325	168,243	340,875	343,207	1,850,388	250,471	3,732	1,269,135
14	Bellows	17	146,044	43,775	8,550	12,900	22,325	102,269	13,655	101	62,483
15	Bells. (See also Foundry and machine shop products.)	22	590,420	230,880	70,300	72,890	87,690	359,540	36,658	430	237,227
16	Belting and hose, leather	93	4,973,420	1,088,371	255,700	299,800	532,871	3,885,049	268,278	1,621	1,114,754
17	Belting and hose, linen	9	795,909	430,530	66,000	107,600	256,930	365,379	46,332	292	153,366
18	Belting and hose, rubber	17	5,270,068	1,935,943	487,070	492,991	955,882	3,334,125	282,543	1,945	1,043,768
19	Bicycle and tricycle repairing	83	172,070	78,808	6,400	7,300	65,108	93,262	24,067	306	161,683
20	Bicycles and tricycles	27	2,058,072	926,421	22,650	339,371	561,400	1,131,651	242,018	1,925	1,105,728
21	Billiard tables and materials	57	1,456,624	380,070	97,000	91,000	192,070	1,076,554	142,431	1,157	870,480
22	Blacking. (See also Cleansing and polishing preparations.)	71	1,403,087	431,396	57,765	79,725	293,906	971,691	264,715	1,039	561,644
23	Blacksmithing and wheelwrighting. (See also Carriages and wagons, including custom work and repairing.)	28,000	34,500,139	20,524,743	7,282,284	7,588,296	5,654,163	13,975,396	2,510,586	50,867	26,796,927
24	Bluing	53	184,472	52,847	11,520	12,220	29,107	131,625	21,736	232	104,194
25	Bone, ivory, and lamp black. (See also Paints.)	24	1,627,651	1,216,408	618,900	306,333	291,175	411,243	84,872	385	216,288
26	Bookbinding and blank-book making. (See also Printing and publishing.)	805	10,062,034	4,321,702	215,245	258,438	3,848,019	5,740,332	1,214,297	13,815	6,903,951
27	Boot and shoe cut stock	314	5,401,834	787,354	104,595	189,325	493,434	4,614,480	111,472	5,503	2,323,271
28	Boot and shoe findings	138	1,793,123	627,562	97,215	124,305	406,042	1,165,561	163,865	2,283	771,937
29	Boot and shoe uppers	317	1,216,026	334,097	83,700	90,240	160,157	881,929	125,707	2,110	1,089,823
30	Boots and shoes, custom work and repairing	20,803	14,230,081	8,296,361	2,886,383	3,233,353	2,176,625	5,933,720	2,786,701	35,046	16,559,242
31	Boots and shoes, factory product	2,082	95,282,311	21,527,403	2,190,160	5,463,879	13,873,364	73,754,908	9,217,519	139,333	66,375,076
32	Boots and shoes, rubber	11	17,790,970	3,515,202	463,615	1,664,992	1,386,595	14,275,768	943,918	9,264	3,966,875
33	Bottling. (See also Liquors, malt; Mineral and soda waters.)	716	5,656,705	3,195,945	940,077	906,819	1,349,049	2,460,760	728,173	3,929	2,271,355
34	Boxes, cigars	291	3,374,451	1,371,787	260,615	317,865	793,307	2,002,664	337,496	5,537	2,134,383
35	Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified.)	588	9,277,973	3,954,674	533,730	863,089	2,557,855	5,323,299	941,498	19,954	6,869,900
36	Boxes, wooden packing. (See also Lumber, planing mill products, including sash, doors, and blinds.)	636	13,018,456	6,170,885	1,668,733	1,637,719	2,864,433	6,847,571	1,011,900	13,922	6,477,125
37	Brass	14	1,208,619	861,735	106,800	330,800	424,135	346,884	53,046	819	436,569
38	Brass and copper, rolled	16	8,011,593	3,423,815	510,000	1,380,815	1,533,000	4,617,778	321,793	2,801	1,577,778
39	Brass castings and brass finishing. (See also Bronze castings; Plumbers' supplies.)	453	18,663,286	8,451,459	1,842,848	2,440,097	4,168,514	10,211,827	1,222,989	11,903	6,922,489
40	Brassware	113	10,866,001	4,153,067	626,250	1,255,465	2,271,352	6,712,934	844,475	7,518	4,057,058
41	Bread and other bakery products	10,484	45,758,489	30,283,790	9,480,559	11,555,107	9,248,124	15,474,699	6,388,722	52,762	28,789,047
42	Brick and tile. (See also Clay and pottery products.)	5,828	82,578,566	53,629,375	21,031,133	14,601,046	17,997,196	28,949,191	5,108,769	109,151	32,695,189
43	Bridges	137	10,969,218	4,251,486	755,768	978,252	2,517,466	6,708,732	652,947	8,921	5,681,364
44	Bronze castings. (See also Brass castings and brass finishing.)	14	710,190	217,002	71,219	44,539	101,244	493,188	68,001	311	253,835
45	Brooms and brushes	1,235	7,743,832	2,269,507	575,470	853,450	840,587	5,474,325	611,554	10,984	4,317,026
46	Buttons	106	3,089,265	1,262,943	98,664	208,185	956,094	1,826,322	256,846	4,036	1,673,876
47	Calcium lights	15	73,402	51,818	5,000	2,000	44,818	21,584	6,696	97	49,570
48	Cardboard. (See also Paper.)	5	616,548	282,063	30,000	74,898	177,165	334,485	38,281	223	139,782
49	Card cutting and designing	26	89,584	41,107	3,050	2,200	35,857	48,477	9,789	214	106,583
50	Carpentering	16,917	81,542,845	22,347,004	7,986,520	6,940,728	7,419,756	59,195,841	10,945,617	140,021	94,524,197
51	Carpets and rugs, other than rag. (See also Woolen goods.)	173	38,208,842	17,375,384	2,884,139	5,559,458	8,931,787	20,833,458	1,819,441	29,121	11,633,116
52	Carpets, rag	854	975,381	611,805	217,288	283,145	111,372	363,576	78,132	1,764	650,119
53	Carpets, wood	6	333,000	210,850	75,000	57,000	78,850	122,150	41,781	328	155,396
54	Carriage and wagon materials	539	13,028,161	5,915,063	994,335	1,655,968	3,264,760	7,113,098	821,743	10,928	5,208,427
55	Carriages and sleds, children's	87	3,158,412	1,122,872	283,200	451,460	388,212	2,035,540	248,126	2,936	1,330,955
56	Carriages and wagons, including customwork and repairing. (See also Blacksmithing and wheelwrighting.)	8,614	104,210,602	39,732,196	13,443,756	17,386,952	8,901,488	64,478,406	6,022,972	73,453	40,198,522

SPECIFIED INDUSTRIES: 1890.

rent for tenancy; taxes (including internal revenue); insurance; repairs, ordinary, of buildings and machinery; amount paid contractors; interest paid on cash materials used includes fuel; rent of power and heat, and mill supplies.]

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks.				Operatives, skilled and unskilled.						Pieceworkers.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Males above 16 years.		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages	Number.	Wages.	Number.	Wages.	Number.	Wages.			
3,529	$3,615,117	188	$89,550	30,435	$13,907,522	84	$18,642	204	$31,241	7,892	$4,091,128	204	$56,911	8	$1,650	$31,603,265	$81,271,651	1
104	137,121	5	3,410	1,371	774,259	616	167,747	9	1,701	10	3,500	138	21,394	14	1,350	2,759,782	6,538,959	2
405	518,265	73	37,014	642	318,906	2,949	934,474	47	6,242	337	108,500	2,370	756,684	12	1,100	4,645,850	9,078,683	3
84	85,472	4	1,460	144	97,689	3	1,300	7	1,124	7	2,125	1	200	.....	.....	93,795	475,977	4
58	59,789	6	3,356	124	66,842	21	7,724	8	1,100	86	26,184	2	250	1	96	190,850	531,785	5
720	619,038	17	7,468	1,894	1,242,534	958	269,954	21	3,339	85	30,032	175	35,670	2	200	4,150,180	7,829,003	6
68	73,467	.....	.....	113	58,752	9	2,090	4	800	.....	.....	.....	.....	.....	.....	401,897	846,459	7
86	102,680	2	1,266	169	83,207	3	940	.....	.....	1	136	.....	.....	.....	.....	2,385,894	2,905,102	8
42	56,831	.....	.....	1,495	485,443	1,416	316,409	133	20,378	.....	.....	73	26,152	.....	.....	2,520,995	3,852,440	9
225	253,414	18	7,140	1,915	524,045	1,168	311,072	55	9,998	392	148,415	690	174,961	206	32,966	12,657,270	16,355,365	10
172	174,610	10	5,768	506	230,918	536	130,403	11	1,896	30	7,651	117	28,846	.....	.....	3,167,717	5,023,793	11
396	415,575	30	11,314	839	422,269	501	127,142	21	2,984	34	10,936	42	9,910	4	1,000	4,273,796	7,406,806	12
414	258,559	15	6,555	1,273	529,342	261	57,654	166	18,322	1,082	322,300	396	65,481	125	10,922	1,398,483	3,633,592	13
20	16,224	1	520	60	34,514	.....	.....	5	1,545	15	9,680	.....	.....	.....	.....	124,145	249,374	14
53	41,520	5	1,927	297	147,817	14	4,113	3	750	58	41,100	.....	.....	.....	.....	389,701	823,010	15
270	330,309	9	3,830	1,281	767,023	26	8,243	20	2,716	5	1,133	10	1,500	.....	.....	6,132,704	8,633,634	16
18	29,322	1	520	101	73,992	168	49,026	4	506	.....	.....	.....	.....	.....	.....	427,815	777,942	17
100	154,464	10	6,284	1,724	846,630	33	8,686	8	1,664	10	5,560	58	20,080	2	400	3,479,538	5,512,840	18
91	58,792	3	750	205	100,847	.....	.....	5	794	2	500	.....	.....	.....	.....	67,382	301,709	19
123	121,148	5	2,566	1,763	902,376	3	609	35	6,746	44	69,163	12	3,120	.....	.....	718,848	2,568,326	20
138	164,560	2	720	943	605,583	3	665	1	233	70	98,719	.....	.....	.....	.....	1,295,942	2,823,278	21
191	223,092	16	7,320	335	192,791	174	51,188	60	9,517	74	24,344	183	52,522	6	870	1,484,203	2,900,402	22
24307	13,287,010	21	10,179	25,634	13,265,567	11	3,807	189	28,868	698	200,840	.....	.....	7	656	14,645,696	54,304,659	23
71	54,305	6	2,256	94	35,070	29	6,467	15	2,132	13	3,015	4	949	.....	.....	186,588	457,251	24
62	64,247	.....	.....	253	120,211	.....	.....	6	1,300	49	28,830	.....	.....	15	1,700	485,867	1,031,030	25
1,273	1,357,705	69	37,763	6,041	3,500,596	4,371	1,306,460	235	38,455	443	258,065	1,381	404,601	2	306	6,007,417	17,067,780	26
474	417,730	37	14,510	2,399	1,190,961	535	145,143	67	11,497	753	271,428	1,203	265,021	35	6,981	13,744,655	17,903,816	27
195	172,459	7	3,405	689	329,159	553	104,772	48	7,875	301	79,857	469	72,112	21	2,298	1,965,173	3,459,328	28
568	406,910	20	10,145	746	401,465	341	119,270	23	3,899	149	59,207	263	88,927	.....	.....	1,983,752	3,671,313	29
18142	9,165,581	92	34,728	10,315	4,688,083	269	81,491	109	16,350	5,939	2,528,142	136	42,930	14	1,937	10,322,557	34,531,340	30
5,074	5,456,387	569	251,544	42,487	22,713,979	15941	5,096,687	1,858	272,532	48,709	24,046,995	23,908	8,296,924	787	240,028	118,785,831	220,649,358	31
111	143,554	19	10,248	3,575	1,705,649	1,121	286,033	84	15,284	1,551	818,560	2,893	987,547	.....	.....	11,650,787	18,632,060	32
870	749,909	15	9,768	2,889	1,477,989	57	14,200	82	14,605	15	4,809	1	75	.....	.....	7,937,001	13,583,418	33
397	322,363	15	9,354	2,489	1,085,438	938	256,976	201	28,997	282	115,691	1,195	312,370	20	3,194	3,567,320	7,091,948	34
938	1,014,113	67	28,688	4,288	2,131,251	5,716	1,436,593	352	52,787	1,279	366,485	7,150	1,813,309	164	26,674	7,893,941	18,805,330	35
894	850,724	22	10,694	10,238	4,780,116	415	102,834	742	118,701	1,002	506,911	532	98,569	77	8,576	14,244,593	25,513,180	36
39	35,334	.....	.....	765	386,460	.....	.....	.....	.....	15	14,775	.....	.....	.....	.....	1,765,605	2,549,860	37
98	194,600	5	2,800	2,114	1,158,597	86	23,925	36	7,490	280	144,396	166	42,670	16	3,300	5,493,231	8,381,472	38
941	1,155,169	19	8,987	9,607	5,177,731	283	79,717	97	17,424	670	389,046	266	89,415	20	5,000	12,249,607	21,344,434	39
340	490,435	21	9,554	4,230	2,463,037	842	236,385	96	15,975	1,063	551,410	906	284,262	20	3,000	7,089,202	13,615,172	40
11614	8,845,428	2,307	823,360	33,068	17,675,667	4,190	1,074,431	813	142,221	277	162,028	482	124,329	11	1,583	72,507,579	128,421,535	41
4,921	2,966,263	54	19,569	93,614	27,471,360	152	21,616	4,369	474,926	5,584	1,675,949	60	15,811	397	49,695	12,639,597	67,770,695	42
533	728,161	6	2,070	7,983	4,720,780	.....	.....	20	2,363	376	227,190	.....	.....	3	800	12,770,146	21,868,068	43
39	57,936	1	364	253	186,227	3	760	3	548	12	8,000	.....	.....	.....	.....	695,485	1,165,163	44
1,394	1,002,998	34	14,635	3,795	1,606,716	891	200,755	347	49,546	3,350	1,238,549	895	173,864	278	29,963	6,900,553	14,156,383	45
193	256,759	12	6,028	1,107	633,463	1,434	401,123	77	11,638	437	172,319	742	187,778	34	4,768	1,551,603	4,216,795	46
17	15,418	.....	.....	75	33,552	.....	.....	.....	.....	5	600	.....	.....	.....	.....	35,018	110,062	47
17	35,010	.....	.....	142	85,532	64	19,240	.....	.....	.....	.....	.....	.....	.....	.....	701,764	1,070,805	48
34	30,035	.....	.....	127	62,093	28	8,744	7	1,075	14	3,940	1	150	3	546	88,186	243,070	49
16989	15,132,583	80	36,585	120735	78,237,286	37	7,961	188	33,880	1,988	1,075,232	2	550	2	120	137,847,002	281,195,162	50
379	508,026	6	2,831	11,619	5,550,231	10745	3,445,426	1,806	330,845	2,036	960,223	2,331	802,823	199	32,708	28,644,905	47,770,193	51
654	297,546	128	42,085	494	182,793	125	26,362	40	4,714	251	85,825	66	9,559	6	1,235	726,419	1,714,480	52
18	18,048	1	416	305	135,032	4	1,900	.....	.....	.....	.....	.....	.....	.....	.....	210,814	511,700	53
901	830,419	31	11,775	7,888	3,430,243	180	55,382	206	36,446	1,644	827,314	56	13,830	22	3,018	7,387,904	16,262,293	54
194	169,634	16	6,416	2,067	919,728	207	57,078	52	7,243	324	127,604	73	12,909	3	343	1,900,907	4,994,255	55
9,017	7,453,142	177	80,079	55,328	28,391,194	480	135,701	504	89,081	7,737	3,994,576	154	45,962	56	8,787	47,805,565	114,570,555	56

TABLE 2.—THE UNITED STATES, BY

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Aggregate.	CAPITAL. Value of plant. Total.	Land.	Buildings.	Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Total wages.
1	Cars and general shop construction and repairs by steam railroad companies.	716	$76,192,477	$54,733,171	$10860,668	$25,399,382	$18,473,121	$21,459,306	$95,054	108,585	$61,797,675
2	Cars and general shop construction and repairs by street railroad companies.	78	2,351,162	1,916,929	814,006	777,721	325,202	434,233	78,761	2,034	1,434,377
3	Cars, steam railroad, not including operations of railroad companies.	71	43,641,210	19,316,079	3,811,086	7,878,189	7,626,804	24,325,131	1,725,113	32,062	16,836,531
4	Cars, street railroad, not including operations of railroad companies.	17	2,468,315	988,956	489,500	280,700	218,756	1,479,359	140,462	1,833	1,174,790
5	Celluloid and celluloid goods	10	2,298,532	1,196,795	139,738	359,127	697,930	1,101,737	241,195	551	364,766
6	Cheese and butter, urban dairy product	160	607,590	449,880	145,692	150,149	154,039	157,710	61,228	552	274,700
7	Cheese, butter, and condensed milk, factory product.	4,552	16,016,573	11,639,692	968,333	5,588,257	5,083,102	4,376,881	813,954	14,369	5,116,005
8	Chemicals. (See also Fertilizers; Gunpowder; High explosives; Paints; Varnish.)	563	55,032,452	28,530,902	6,228,481	9,629,429	12,672,992	26,501,550	4,413,170	16,952	9,691,843
9	China decorating. (See also Clay and pottery products.)	78	499,647	112,479	23,600	35,100	53,779	387,168	47,879	467	254,524
10	Chocolate and cocoa products	11	2,630,067	878,050	250,000	155,000	473,050	1,752,017	232,891	963	596,604
11	Cigar molds	7	210,083	117,332	30,000	36,175	51,157	92,751	8,302	142	67,396
12	Clay and pottery products. (See also Brick and tile.)	707	26,127,104	15,606,955	3,976,737	6,709,949	4,920,269	10,520,149	2,003,007	20,296	10,138,143
13	Cleansing and polishing preparations. (See also Blacking.)	56	304,160	115,731	23,700	28,850	63,181	188,429	40,801	390	176,949
14	Clock cases and materials. (See also Watch and clock materials.)	4	43,863	24,399	8,000	3,133	13,266	19,464	2,308	32	20,688
15	Clocks	27	5,727,202	1,836,508	240,562	621,054	974,892	3,890,694	272,984	3,585	1,935,525
16	Cloth, sponging and refinishing	23	229,335	146,185	14,000	18,500	113,685	83,150	40,493	396	244,302
17	Clothing, horse	31	1,028,523	106,832	27,350	31,900	47,582	921,691	57,894	952	313,305
18	Clothing, men's, custom work and repairing	13,591	54,109,273	11,090,130	4,202,761	4,342,542	2,544,827	43,019,143	7,913,423	86,143	48,551,103
19	Clothing, men's, factory product	4,867	128,253,547	8,359,363	2,069,521	3,269,222	3,020,620	119,894,184	20,460,045	156,341	62,311,644
20	Clothing, men's, factory product, buttonholes	200	190,118	130,153	11,130	12,442	106,581	59,965	45,956	1,373	526,925
21	Clothing, women's, dressmaking	19,587	12,883,079	6,492,274	2,365,464	2,258,391	1,868,419	6,390,805	3,177,570	67,598	22,373,636
22	Clothing, women's, factory product	1,224	21,259,528	2,900,778	554,050	617,500	1,729,228	18,358,750	3,620,042	42,008	18,812,787
23	Coffee and spice, roasting and grinding	358	16,996,009	3,445,002	678,339	848,041	1,918,622	13,551,007	1,229,926	5,122	3,263,019
24	Coffins and burial cases, trimming and finishing.	1,368	6,016,385	2,839,798	1,016,323	1,124,190	699,285	3,176,587	443,832	3,234	1,999,153
25	Coffins, burial cases, and undertakers' goods	194	11,097,736	4,019,471	1,200,706	1,640,590	1,178,175	7,078,265	822,312	6,424	3,555,256
26	Coke	218	17,462,729	15,980,284	1,405,342	869,725	13,705,217	1,482,445	394,784	9,159	4,186,264
27	Collars and cuffs, paper	3	237,764	105,110	33,902	16,951	54,257	132,654	7,627	91	48,637
28	Combs	31	742,200	406,437	100,575	116,747	189,115	335,763	61,133	807	433,036
29	Confectionery	2,921	23,326,799	11,048,779	2,867,625	3,334,166	4,846,988	12,278,020	3,302,708	27,211	11,633,448
30	Cooperage	2,652	17,806,554	8,029,500	2,997,729	2,944,600	2,087,171	9,777,054	1,269,618	24,652	11,665,366
31	Cordage and twine	140	22,786,019	12,631,234	1,711,232	4,605,005	6,314,997	10,154,785	987,974	12,506	4,412,640
32	Cordials and sirups	40	783,567	176,615	39,150	32,650	104,815	606,952	121,207	387	232,988
33	Cork cutting	65	1,869,360	637,608	127,700	275,200	234,708	1,231,752	119,710	2,138	762,518
34	Corsets	205	6,640,056	1,427,619	193,050	393,900	840,669	5,212,437	908,510	11,370	4,062,815
35	Cotton, cleaning and rehandling	13	116,210	44,550	17,000	16,575	10,975	71,660	12,026	210	54,068
36	Cotton, compressing	52	7,864,373	7,233,753	2,637,972	2,178,857	2,416,924	630,620	324,469	3,000	1,228,619
37	Cotton, ginning	1,637	3,221,987	3,048,957	288,381	696,400	2,064,173	173,030	176,004	7,660	781,798
38	Cotton goods. (See also Hosiery and knit goods.)	905	354,020,843	230,993,567	23,225,097	69,742,664	138,025,806	123,027,276	16,716,524	221,585	69,489,272
39	Cotton ties	3	22,475	19,135	6,000	7,000	6,135	3,340	1,004	18	3,150
40	Cotton waste	31	711,956	308,064	67,525	141,271	99,268	403,892	55,700	329	154,257
41	Crucibles	10	908,152	460,467	210,500	130,038	119,929	447,685	77,354	254	149,210
42	Cutlery and edge tools. (See also Files; Hardware; Saws; Tools, not elsewhere specified.)	474	12,082,638	5,876,717	1,336,564	2,033,435	2,506,718	6,205,921	790,045	9,487	4,918,152
43	Dentistry, mechanical	3,214	4,019,637	2,443,548	453,523	438,849	1,551,176	1,576,089	870,592	4,737	3,481,189
44	Dentists' materials	24	2,908,113	823,415	83,050	389,050	351,315	2,084,698	406,125	1,214	867,626
45	Druggists' preparations, not including prescriptions. (See also Patent medicines and compounds; Perfumery and cosmetics.)	1,805	4,624,814	1,809,605	578,317	693,319	537,969	2,815,209	663,883	3,940	1,938,700
46	Drug grinding	13	337,885	126,115	30,500	19,000	76,615	211,770	37,213	173	103,594
47	Dyeing and cleaning	976	3,041,178	2,261,355	710,525	647,295	903,535	779,823	525,052	5,189	2,537,556
48	Dyeing and finishing textiles	248	38,450,800	19,879,039	2,579,114	7,596,641	9,703,284	18,571,761	3,131,081	20,267	9,717,011
49	Dye stuffs and extracts	60	8,590,096	4,346,403	937,800	1,724,929	1,683,674	4,243,693	372,597	2,277	1,275,649
50	Electrical apparatus and supplies	189	18,997,337	6,170,507	714,542	1,496,293	3,959,672	12,826,830	1,154,462	9,485	5,366,188
51	Electric light and power (a)	144	33,838,549	19,167,012	1,743,017	2,106,418	15,317,577	14,671,537	755,201	2,004	1,556,623
52	Electroplating	313	2,051,134	888,173	155,760	129,420	602,993	1,162,961	182,826	2,162	1,260,475
53	Emery wheels	17	823,059	232,902	26,000	53,374	153,528	590,157	81,148	292	182,600
54	Enameled goods	19	359,798	143,472	6,000	9,000	128,472	207,326	23,856	391	191,925
55	Enameling	27	71,917	33,387	5,000	3,800	24,587	38,530	15,751	187	104,672

(a) These statistics are confined to the state of New York, the District of Columbia, and the city of St. Louis. See explanation in text, page I.

SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks.				Operatives, skilled and unskilled.						Pieceworkers.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Males above 16 years.		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
1,914	$1,568,759	39	$15,483	100209	$56,276,276	125	$38,250	56	$12,852	6,239	$3,885,057	3	$998	.....	.....	$66,561,526	$129461,698	1
25	23,172	.....	.....	1,998	1,403,249	.....	.....	1	240	10	7,716	.....	.....	.....	.....	1,154,840	2,966,347	2
688	749,136	20	10,566	22,922	11,483,051	174	53,616	196	34,950	7,982	4,483,137	80	22,075	.....	.....	44,674,486	70,083,737	3
48	83,520	.....	.....	1,671	989,312	2	780	6	1,560	106	99,618	.....	.....	.....	.....	1,699,235	3,302,115	4
43	100,245	2	920	415	237,732	58	12,926	2	520	19	9,166	12	3,257	.....	.....	599,404	1,363,534	5
156	96,537	14	4,916	341	164,207	35	8,332	1	208	5	500	.....	.....	.....	.....	1,545,273	2,050,338	6
2,107	856,009	43	11,142	11,179	4,018,245	571	107,778	89	10,715	250	84,217	119	27,648	11	$251	49,819,301	60,635,705	7
1,794	2,316,021	120	67,411	11,475	6,243,321	2,308	625,889	118	21,430	436	201,763	687	213,824	14	2,184	33,694,927	59,352,548	8
81	66,346	33	25,558	186	105,515	131	38,616	6	972	20	12,317	10	5,200	.....	.....	364,778	847,555	9
68	139,229	2	1,328	544	353,171	343	101,976	6	900	.....	.....	.....	.....	.....	.....	2,892,219	4,221,675	10
18	17,300	.....	.....	92	42,898	7	1,352	15	2,516	4	2,040	6	1,290	.....	.....	70,060	211,000	11
1,268	1,247,513	48	21,598	13,950	6,808,408	1,532	346,288	405	59,982	2,452	1,471,156	491	152,554	150	30,644	5,618,401	22,057,090	12
88	74,429	1	260	204	80,403	83	19,858	8	1,049	3	400	3	550	.....	.....	382,120	865,904	13
3	3,250	.....	.....	29	17,438	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,724	44,038	14
86	123,908	8	3,592	1,809	1,048,449	322	107,189	25	4,567	1,133	586,723	188	57,685	14	3,412	1,457,778	4,228,846	15
39	42,788	3	884	348	199,066	4	1,200	2	364	.....	.....	.....	.....	.....	.....	34,132	399,814	16
66	71,538	5	2,693	184	63,406	150	47,804	62	9,207	81	25,365	373	89,872	31	3,420	777,570	1,572,265	17
14538	12,128,714	426	176,734	22,343	13,903,830	9,106	2,641,031	452	71,115	28,511	16,697,405	10,673	2,910,214	94	22,060	50,494,637	126,219,151	18
10558	10,850,469	897	395,338	34,422	19,069,096	24080	6,715,114	486	69,059	33,842	14,345,300	51,023	10,787,641	1,033	79,627	128,846,857	251,019,609	19
187	123,726	21	10,377	307	139,174	412	111,141	16	2,349	165	62,599	265	77,559	.....	.....	84,167	784,055	20
709	581,296	18276	8,646,606	768	477,725	45238	11,985,221	360	42,833	288	138,713	1,926	497,141	33	4,101	23,393,829	57,071,732	21
2,459	3,146,543	400	237,972	7,361	4,568,764	13788	4,819,012	213	31,898	5,452	2,728,191	12,125	3,175,191	210	105,216	34,277,219	68,164,019	22
1,314	1,428,357	42	19,028	2,614	1,490,026	553	149,959	74	12,949	137	48,767	388	113,933	.....	.....	65,961,465	75,042,010	23
1,378	1,036,474	30	16,238	1,668	902,818	31	8,528	4	670	110	32,111	11	2,171	2	143	3,656,859	7,783,140	24
647	698,516	26	14,296	4,242	2,241,967	583	194,194	74	14,500	564	304,174	275	85,246	13	2,363	5,547,082	12,230,554	25
160	113,332	1	300	4,448	1,901,456	.....	.....	32	4,564	4,494	2,162,662	.....	.....	24	3,950	11,509,737	16,498,345	26
8	12,922	1	520	53	28,039	14	3,134	.....	.....	.....	.....	15	3,952	.....	.....	223,077	301,093	27
65	68,321	.....	.....	563	306,710	116	35,665	16	3,016	39	17,995	7	1,134	1	195	344,120	1,020,835	28
4,226	3,409,377	1,261	441,064	11,194	5,330,904	7,704	1,771,681	550	78,328	688	290,849	1,550	306,959	38	4,286	31,116,629	55,997,101	29
2,083	1,600,488	14	8,629	12,942	5,848,626	3	650	301	52,390	9,089	4,120,129	191	30,574	29	3,880	20,636,911	38,617,956	30
381	522,549	9	5,072	6,072	2,416,927	4,356	1,108,758	836	126,444	190	67,024	600	155,566	62	10,300	23,372,637	32,376,454	31
99	118,494	7	3,380	196	89,994	58	14,716	21	3,994	6	2,410	.....	.....	.....	.....	1,231,141	1,903,200	32
118	125,337	1	312	823	381,631	884	194,921	293	54,053	19	6,264	.....	.....	.....	.....	1,501,902	2,840,359	33
279	455,701	163	98,075	806	510,039	3,319	1,104,991	59	9,212	925	336,752	5,774	1,542,605	45	5,440	5,662,140	12,401,575	34
13	9,620	1	1,200	88	24,058	99	18,560	8	400	.....	.....	1	230	.....	.....	415,005	525,595	35
215	187,811	.....	.....	1,883	517,743	.....	.....	7	330	895	522,735	.....	.....	.....	.....	254,309	2,624,027	36
739	130,838	1	75	6,579	631,256	90	5,180	102	4,105	142	9,933	3	86	4	325	542,481	2,367,450	37
2,627	3,427,362	82	37,372	85,840	32,695,795	95821	26,038,979	22,500	2,920,517	2,997	1,101,722	10,786	3,126,107	932	141,418	154,912,979	267,981,724	38
3	850	.....	.....	3	1,200	.....	.....	2	300	10	800	.....	.....	.....	.....	5,980	11,950	39
48	49,896	2	1,320	197	86,543	76	15,568	5	780	1	150	.....	.....	.....	.....	1,592,041	1,906,622	40
24	38,960	.....	.....	199	94,410	6	600	6	300	19	14,940	.....	.....	.....	.....	396,296	726,708	41
764	711,073	15	6,146	4,919	2,580,483	198	51,050	108	16,960	3,429	1,539,610	50	12,430	4	400	3,465,124	11,110,614	42
3,216	2,697,709	35	15,079	1,164	665,484	191	60,724	56	9,164	71	32,607	4	422	.....	.....	1,475,255	7,864,299	43
200	323,726	3	1,252	766	473,448	179	54,940	51	7,450	6	3,770	9	3,040	.....	.....	993,855	2,594,888	44
1,882	1,090,483	27	8,531	1,753	777,287	204	51,860	49	7,359	20	2,150	5	1,030	.....	.....	2,411,851	6,659,797	45
25	28,883	.....	.....	132	70,661	13	3,268	1	182	.....	.....	2	600	.....	.....	192,321	436,766	46
933	705,880	265	114,289	2,091	1,133,324	1,380	396,794	60	10,811	222	110,674	238	65,784	.....	.....	1,103,556	5,267,819	47
636	791,908	30	13,383	16,297	8,053,091	2,151	574,973	793	143,486	213	94,753	147	45,417	.....	.....	12,385,220	19,800,560	48
181	246,662	5	2,554	2,053	1,017,486	4	936	8	786	26	7,225	.....	.....	.....	.....	6,352,668	9,092,514	49
610	826,986	43	22,152	6,221	3,469,140	970	243,039	44	7,543	1,068	613,707	499	183,621	.....	.....	8,819,498	19,114,714	50
205	268,325	5	3,056	1,791	1,284,502	1	240	2	500	.....	.....	.....	.....	.....	.....	1,155,789	4,783,224	51
388	364,115	9	4,608	1,529	802,578	87	28,152	68	13,794	73	43,750	8	3,478	.....	.....	1,048,057	3,121,642	52
44	46,008	3	1,236	241	134,420	2	416	2	520	.....	.....	.....	.....	.....	.....	186,579	726,425	53
37	42,378	.....	.....	232	116,294	92	27,253	20	3,000	10	3,000	.....	.....	.....	.....	118,659	444,942	54
33	30,086	.....	.....	129	67,126	23	7,044	2	416	.....	.....	.....	.....	.....	.....	52,999	181,942	55

TABLE 2.—THE UNITED STATES, BY

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Value of plant. Aggregate.	Total.	Land.	Buildings.	Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Total wages.
1	Engravers' materials	16	$139,920	$49,460	$1,500	$3,500	$44,460	$90,460	$13,959	161	$97,339
2	Engraving and diesinking	382	794,554	424,854	22,050	41,050	361,754	369,700	150,239	1,635	1,169,073
3	Engraving, steel, including plate printing. (See also Lithographing and engraving; Photolithographing and engraving.)	134	2,924,125	1,250,133	8,200	332,000	909,933	1,673,992	155,902	2,560	1,881,583
4	Engraving, wood	285	480,990	149,758	3,000	4,000	142,758	331,232	106,791	1,286	956,366
5	Envelopes	41	3,218,466	1,342,677	96,000	203,500	1,043,177	1,875,789	346,129	2,501	1,058,850
6	Fancy articles, not elsewhere specified	377	2,386,317	857,441	130,850	173,490	553,101	1,528,876	276,390	3,954	1,679,818
7	Felt goods. (See also Woolen goods.)	34	4,460,621	1,865,984	276,780	714,453	874,751	2,594,637	232,871	2,266	1,041,296
8	Fertilizers. (See also Chemicals.)	390	40,594,168	13,197,623	2,870,499	5,787,740	4,539,384	27,396,545	2,790,082	10,158	4,671,831
9	Files. (See also Cutlery and edge tools.)	140	2,991,988	1,776,199	265,970	486,804	1,023,425	1,215,789	130,310	2,666	1,445,941
10	Firearms	34	4,672,424	2,755,496	418,900	630,350	1,706,246	1,916,928	202,656	2,759	1,700,205
11	Fire extinguishers, chemical	9	405,733	48,530	4,500	16,000	28,030	357,203	18,859	82	57,878
12	Fireworks	22	507,266	214,435	73,900	93,675	46,860	292,831	25,483	557	213,103
13	Fish, canning and preserving. (See also Food preparations.)	110	3,186,975	1,421,730	466,970	467,340	487,420	1,765,245	280,660	5,202	1,248,396
14	Flags and banners. (See also Regalia and society banners and emblems.)	29	376,130	153,945	73,800	42,950	37,195	222,185	20,098	364	142,625
15	Flavoring extracts	148	1,361,800	225,650	42,640	41,660	141,350	1,136,150	153,406	769	441,786
16	Flax, dressed	6	1,361,635	867,810	201,010	204,200	462,600	493,825	45,567	517	227,123
17	Flouring and grist mill products	18,470	208,473,500	136,539,851	23,776,931	41,730,612	71,032,308	71,933,649	13,162,037	63,481	27,035,742
18	Food preparations. (See also Fish, canning and preserving; Fruits and vegetables, canning and preserving; Oysters, canning and preserving.)	302	6,715,535	3,040,819	662,661	999,885	1,378,273	3,674,716	881,628	4,152	1,816,835
19	Foundry and machine shop products. (See also Ironwork, architectural and ornamental; Steam fittings and heating apparatus.)	6,475	382,798,337	187,048,990	41,014,439	51,032,859	95,001,692	195,749,347	24,637,980	247,754	148,389,063
20	Foundry supplies	21	679,817	353,105	111,900	104,000	137,205	326,712	53,282	212	152,773
21	Fruit jar trimmings	5	1,025,697	596,384	200,000	200,500	195,884	429,313	33,689	552	166,735
22	Fruits and vegetables, canning and preserving. (See also Food preparations; Pickles, preserves, and sauces.)	886	15,315,185	6,205,843	1,338,584	2,387,232	2,480,027	9,109,342	1,289,681	50,881	5,243,707
23	Fur goods. (See also Hats and caps, not including wool hats.)	484	11,115,840	1,089,777	220,310	546,500	322,967	10,026,063	864,506	8,075	4,749,191
24	Furnishing goods, men's. (See also Shirts.)	586	12,299,011	1,619,759	231,949	357,211	1,030,599	10,679,252	2,330,360	22,211	7,589,349
25	Furniture, cabinetmaking, repairing and upholstering. (See also Mattresses and spring beds.)	4,054	12,861,208	4,775,372	1,602,213	1,820,413	1,352,746	8,085,836	1,406,085	14,721	8,584,097
26	Furniture, chairs	340	14,387,075	4,592,771	992,312	1,907,254	1,693,205	9,794,304	1,159,910	13,837	5,737,810
27	Furniture, factory product	1,579	66,393,864	24,595,393	6,293,354	9,438,445	8,863,594	41,798,471	5,369,929	63,946	34,470,845
28	Furs, dressed	26	266,921	152,025	40,950	44,600	66,475	114,896	13,294	437	287,508
29	Galvanizing	27	1,301,973	464,593	144,300	128,900	191,393	837,380	99,192	846	473,111
30	Gas and lamp fixtures. (See also Lamps and reflectors.)	108	7,218,964	2,354,562	376,275	691,000	1,287,287	4,864,402	793,283	5,530	3,592,512
31	Gas, illuminating and heating	742	258,771,795	234,401,052	45,521,707	35,048,435	153,830,910	24,370,743	7,799,385	14,860	10,642,794
32	Gas machines and meters	38	1,603,426	514,687	73,350	149,250	292,087	1,088,739	105,209	1,071	709,529
33	Gas stoves	24	1,199,528	515,229	29,591	141,562	344,076	684,299	118,617	1,031	628,773
34	Glass	294	40,966,850	25,437,450	5,097,726	11,401,021	8,938,703	15,529,400	2,267,696	45,987	22,118,522
35	Glass, cutting, staining, and ornamenting	279	2,504,089	692,797	132,516	134,000	426,281	1,811,292	272,138	3,794	2,496,420
36	Gloves and mittens. (See also Hosiery and knit goods; Woolen goods.)	324	5,977,820	913,116	162,530	345,550	405,036	5,064,704	426,937	8,669	3,109,008
37	Glucose	7	5,991,023	4,470,000	870,000	1,400,000	2,200,000	1,521,023	923,429	1,759	974,406
38	Glue	62	4,859,266	1,972,993	564,475	719,631	688,887	2,886,273	420,913	1,836	823,452
39	Gold and silver, leaf and foil	81	1,105,198	548,026	109,900	197,650	240,476	557,172	46,863	1,499	800,796
40	Gold and silver, reducing and refining, not from the ore.	38	4,763,397	2,032,781	248,000	1,135,111	649,670	2,730,616	384,113	966	771,030
41	Graphite	3	38,614	9,500	.....	.....	9,500	29,114	4,999	21	10,442
42	Grease and tallow. (See also Axle grease; Soap and candles.)	233	4,336,193	2,746,979	933,080	1,017,144	796,755	1,589,214	278,334	1,787	1,079,284
43	Grindstones	9	78,750	32,500	3,500	3,500	25,500	46,250	5,799	132	56,980
44	Gunpowder. (See also Ammunition; High explosives.)	37	9,609,975	5,001,388	942,756	1,657,604	2,401,028	4,608,587	959,240	1,730	1,002,694
45	Hairwork	492	1,362,993	342,412	125,000	115,790	101,622	1,020,581	282,152	1,945	870,601
46	Hammocks	6	65,525	5,200	200	700	4,300	60,325	3,369	86	18,359
47	Hand knit goods	28	78,468	34,915	10,300	9,700	14,915	43,553	20,352	224	61,989
48	Hand stamps	234	998,873	557,508	79,000	52,600	426,508	441,365	126,548	1,068	550,647
49	Hardware. (See also Cutlery and edge tools; Tools not elsewhere specified.)	350	26,271,840	12,330,030	1,929,035	3,660,404	6,740,591	13,941,810	2,400,827	19,671	9,911,486
50	Hardware, saddlery	102	3,376,356	1,284,496	204,150	315,364	764,982	2,091,860	250,668	3,179	1,547,295
51	Hat and cap materials	73	1,709,650	577,880	87,300	139,500	351,080	1,131,770	146,073	1,705	844,352
52	Hats and caps, not including wool hats. (See also Fur goods; Straw goods, not elsewhere specified.)	705	13,724,002	5,056,721	1,085,652	1,710,327	2,260,742	8,667,281	1,651,268	27,193	14,111,747
53	Hay and straw, baling	72	416,541	261,603	42,810	134,196	84,597	154,938	30,430	777	149,653
54	High explosives. (See also Ammunition; Gunpowder.)	32	3,929,503	1,101,488	225,087	468,081	711,320	2,525,015	209,680	820	546,816
55	Hones and whetstones	9	97,935	65,150	22,500	13,700	29,250	32,485	1,918	71	27,973

SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks.				Operatives, skilled and unskilled.						Pieceworkers.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Males above 16 years.		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
20	$19,889	2	$1,000	137	$76,045	1	$280	1	$125							$61,985	$203,764	1
459	467,294	8	5,128	1,013	617,105	39	9,540	24	3,354	92	$66,652					434,506	2,187,157	2
219	273,232	45	31,946	1,013	750,895	870	367,437	29	5,085	371	447,978	13	$5,010			742,765	3,347,804	3
334	353,372	7	2,541	797	533,409	7	2,680	33	4,339	107	59,245	1	780			157,656	1,555,418	4
164	239,801	12	6,205	569	327,454	939	273,854	20	4,620	29	6,118	768	200,498			2,530,793	4,855,680	5
351	343,715	207	101,121	1,178	634,278	1,563	430,825	59	9,463	149	59,229	432	98,823	15	$2,364	1,844,556	4,810,450	6
120	156,486	4	1,430	1,356	652,059	346	91,634	123	19,410	118	69,737	160	42,639	39	7,901	2,809,937	4,654,768	7
1,122	1,249,584	10	4,377	8,838	3,376,671	88	25,914	70	9,966	25	5,219			5	100	25,113,874	39,180,844	8
222	224,439	9	3,926	1,428	751,731	47	17,143	103	17,818	830	423,968	27	6,946			1,038,943	3,179,649	9
95	120,078	4	4,196	2,277	1,376,575	12	3,816	9	1,680	360	193,585	2	275			485,946	2,922,514	10
25	31,684	1	600	55	25,279	1	315									57,736	195,834	11
37	46,705	2	1,100	281	111,407	185	46,689	32	4,798	8	892	12	1,512			188,938	592,542	12
177	117,823	5	2,430	1,904	541,678	335	49,451	81	5,720	1,883	445,011	506	71,608	311	14,675	4,710,709	6,972,368	13
41	44,936	2	1,500	101	45,241	97	35,178	6	936	34	8,184	83	6,650			195,587	455,849	14
237	222,294	25	10,777	333	166,625	144	32,879	16	2,288	8	5,647	6	1,276			1,430,120	2,614,514	15
19	28,100	1	300	217	114,624	255	82,020	25	2,079							638,285	981,283	16
15912	8,824,109	166	73,231	45,892	17,755,268	215	50,665	204	21,718	997	291,197	93	19,488	2	66	434,152,290	513,971,474	17
632	580,123	42	13,799	2,154	927,748	966	203,501	85	13,132	82	30,578	184	46,234	7	1,720	8,129,925	14,105,485	18
16071	18,923,521	531	262,493	205530	115,265,032	1,040	290,248	1,307	253,694	22,871	13,291,445	166	50,791	238	51,839	171,145,156	412,701,872	19
49	61,140			163	91,633											357,874	672,440	20
19	36,659			83	28,592	55	4,914	32	2,970	259	75,280	104	18,320			275,744	802,237	21
1,048	581,034	71	11,356	14,817	2,091,309	12886	1,193,000	3,499	106,704	3,652	397,022	12,828	807,848	2,080	55,434	18,665,163	29,862,416	22
1,003	1,206,644	125	65,399	2,598	1,805,562	3,418	1,193,541	41	6,519	388	297,974	502	173,552			11,742,508	20,526,988	23
1,337	1,470,513	96	40,810	2,006	1,174,144	5,632	1,812,464	144	23,539	2,146	723,850	10,783	2,335,529	67	8,500	15,280,572	29,870,946	24
3,920	2,803,646	83	32,864	8,959	5,096,006	709	243,931	137	21,199	712	330,323	199	55,816	2	312	9,757,060	23,884,252	25
727	693,555	41	18,796	7,823	3,443,760	649	133,700	412	51,101	2,966	1,283,012	837	95,654	382	18,232	6,572,299	16,866,358	26
4,007	4,362,439	139	64,886	49,688	25,549,492	955	328,435	1,346	220,707	7,289	3,833,399	451	98,322	71	13,165	38,796,471	94,876,722	27
37	48,618			224	129,415	3	700	5	1,300	167	107,519	1	156			203,199	651,296	28
83	110,233	2	1,000	733	349,228	4	880	11	3,650	13	8,120					1,940,712	2,957,143	29
505	705,955	11	6,744	4,641	2,737,419	233	71,674	38	8,052	102	62,668					2,208,124	7,825,672	30
1,810	2,120,496	54	22,673	12,951	8,492,647			38	6,078	1	150			6	750	14,037,087	56,987,290	31
71	82,427	2	1,200	826	541,785	15	6,819			153	76,798	4	500			675,542	1,838,644	32
97	116,009	11	6,038	861	476,083	5	1,250			57	29,393					840,126	2,137,944	33
1,053	1,217,202	42	15,359	24,337	10,664,728	1,626	273,064	6,498	918,746	11,727	8,881,623	259	59,181	445	88,619	12,140,985	41,051,004	34
456	532,192	18	9,668	3,042	1,861,281	151	50,712	58	11,427	65	30,170	4	970			2,188,287	6,090,378	35
456	426,122	26	12,512	1,807	954,891	1,121	332,097	84	11,411	1,196	552,094	3,965	818,246	14	1,605	5,021,144	10,103,821	36
35	72,320			1,714	897,562	5	1,524			5	3,000					5,029,131	7,756,686	37
138	146,687	1	676	1,535	638,563	34	8,256	67	9,470	45	18,200	16	1,600			2,510,927	4,270,460	38
84	96,409	10	6,220	629	420,806	496	155,743	18	2,797	95	68,101	167	50,720			1,834,716	2,977,791	39
83	145,422			864	613,369	1	416	2	462	15	11,136	1	225			30,005,096	32,035,520	40
3	1,434			17	8,688	1	320									26,380	54,605	41
313	283,444	4	1,952	1,431	785,078	7	2,296	24	6,164	8	350					5,135,901	7,474,911	42
8	5,204			123	51,686			1	90							31,742	122,240	43
106	166,201	2	1,300	1,573	806,991			10	1,637	39	26,565					3,279,004	6,752,343	44
250	219,979	298	160,368	210	114,484	941	307,043	23	5,158	74	23,088	148	40,390	1	91	846,045	2,489,061	45
6	3,755			13	5,343	14	2,799			3	1,710	50	4,752			26,535	60,254	46
27	22,224	11	3,914	12	5,887	78	13,059	8	490	17	6,300	71	10,115			88,280	205,775	47
303	271,200	60	35,358	547	287,776	60	15,579	41	6,448	50	30,565	7	3,721			432,687	1,583,872	48
1,124	1,232,122	52	23,297	12,505	6,257,169	1,156	294,219	603	88,916	3,747	1,908,106	376	91,351	108	16,306	10,186,442	26,726,463	49
249	281,719	13	5,251	1,570	748,326	123	31,197	55	7,782	1,024	441,620	135	27,098	10	1,302	1,621,849	4,118,195	50
112	143,857	4	2,040	898	423,263	425	115,170	8	1,414	202	139,638	51	16,890	5	2,080	2,059,001	3,465,524	51
1,233	1,445,350	29	15,480	7,354	4,150,799	2,745	866,523	114	17,900	9,111	5,441,865	6,460	2,130,710	147	43,120	16,160,802	37,311,599	52
59	25,327			472	109,387	114	2,456	9	158	122	12,300			1	25	729,195	1,058,142	53
87	140,367	2	1,140	638	372,280	23	5,280	13	2,776	31	22,213	16	1,860	10	900	2,202,719	4,600,272	54
14	9,219			44	15,309	10	2,445			3	1,000					6,332	54,136	55

TABLE 2.—THE UNITED STATES, BY

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Aggregate.	Value of plant. Total.	Land.	Buildings.	Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Total wages.
1	Hooks and eyes	10	$449,618	$246,545	$11,200	$37,520	$197,825	$203,073	$33,008	243	$148,444
2	Horse shoes, factory product	4	1,299,065	675,950	62,879	68,300	544,571	623,115	42,019	493	282,870
3	Hosiery and knit goods. (See also Cotton goods; Gloves and mittens; Woolen goods.)	796	50,607,738	23,574,761	2,271,466	6,194,088	15,109,207	27,032,977	3,627,245	61,209	18,263,272
4	House furnishing goods, not elsewhere specified.	133	6,939,659	3,065,108	414,500	1,179,366	1,471,242	3,874,551	366,750	3,667	1,779,753
5	Ice, artificial	222	9,846,468	8,873,731	1,595,360	1,338,652	5,939,719	972,737	477,485	3,265	1,441,187
6	Ink, printing	35	1,863,025	620,163	174,600	132,900	312,663	1,242,862	162,554	516	455,764
7	Ink, writing	38	792,194	357,760	101,500	154,900	101,360	434,434	47,676	508	301,426
8	Instruments, professional and scientific	233	2,996,021	1,293,363	247,600	248,817	796,946	1,702,658	203,937	2,371	1,606,194
9	Iron and steel	645	373,478,018	210,830,316	31,553,087	42,766,656	136,510,573	162,647,702	16,918,753	152,535	84,665,506
10	Iron and steel bolts, nuts, washers, and rivets.	82	10,789,821	5,812,292	1,101,168	1,291,348	3,419,776	4,977,529	597,605	7,341	3,472,202
11	Iron and steel doors and shutters	7	42,550	23,950	10,000	5,000	8,950	18,600	4,210	53	38,389
12	Iron and steel forgings	90	7,152,145	4,281,004	1,125,732	699,308	2,455,964	2,871,141	366,812	4,448	2,638,641
13	Iron and steel nails and spikes, cut and wrought, including wire nails.	138	24,334,549	13,825,194	2,273,151	3,108,506	8,443,537	10,509,355	1,244,624	17,116	7,816,994
14	Iron and steel pipe, wrought	22	22,622,367	9,043,906	1,678,093	1,917,951	5,447,862	13,578,461	1,095,805	12,064	5,845,462
15	Iron work, architectural and ornamental. (See also Foundry and machine shop products.)	724	21,968,172	10,671,455	2,983,622	2,877,618	4,810,215	11,296,717	1,344,813	18,672	11,951,457
16	Ivory and bone work	64	1,894,549	839,272	135,000	402,400	301,872	1,055,277	111,293	1,345	687,360
17	Japanning	39	285,791	111,900	9,650	18,500	83,650	173,894	21,941	292	156,201
18	Jewelry. (See also Watch, clock, and jewelry repairing.)	783	22,246,508	4,141,958	173,200	405,661	3,563,097	18,104,550	1,493,545	15,761	10,270,393
19	Jewelry and instrument cases	76	634,900	141,196	1,700	16,700	122,796	493,704	70,679	1,038	587,574
20	Jute and jute goods	7	1,645,636	891,611	89,800	295,000	506,811	754,025	168,258	1,212	391,586
21	Kaolin and other earth grinding	95	3,334,575	2,114,931	683,422	532,950	898,559	1,219,644	222,527	1,461	744,129
22	Kindling wood	136	1,299,533	872,105	242,772	210,950	418,383	427,428	173,298	1,805	772,377
23	Labels and tags	47	646,815	450,180	33,600	61,950	354,630	196,635	60,882	710	379,897
24	Lamps and reflectors. (See also Gas and lamp fixtures.)	93	2,550,214	902,772	82,900	134,300	685,572	1,647,442	197,759	2,286	1,320,273
25	Lapidary work	29	100,635	26,435	.....	.....	26,435	74,200	13,294	129	99,486
26	Lard, refined. (See also Slaughtering.)	17	3,898,910	898,215	106,430	152,870	638,915	3,000,695	845,116	1,018	648,042
27	Lasts	52	906,820	391,282	85,750	78,400	227,132	515,538	62,192	774	571,732
28	Lead, bar, pipe, and sheet	28	4,892,525	2,405,572	881,844	675,800	847,928	2,486,953	208,645	780	552,321
29	Leather board. (See also Paper.)	8	445,743	250,053	47,790	65,607	136,656	195,690	30,166	185	92,163
30	Leather, dressed skins	38	434,800	171,700	45,675	71,000	55,025	263,100	30,978	355	207,724
31	Leather goods. (See also Pocketbooks; Trunks and valises.)	139	2,980,060	692,622	117,110	130,343	445,169	2,287,438	190,874	3,074	1,464,124
32	Leather, morocco	121	12,283,793	3,988,333	651,800	1,793,306	1,543,227	8,295,460	838,727	8,237	4,599,569
33	Leather, patent and enameled	32	4,108,409	1,530,767	461,500	647,900	421,367	2,577,642	218,546	2,087	1,352,981
34	Leather, tanned and curried	1,596	81,261,696	22,526,492	6,346,010	10,155,462	6,025,020	58,735,204	4,309,421	34,348	17,825,605
35	Lightning rods.	22	436,661	118,628	35,700	40,690	42,238	318,033	20,559	210	132,195
36	Lime and cement	873	18,752,396	14,464,265	7,482,480	4,095,536	2,886,249	4,288,131	984,009	13,710	5,473,222
37	Linen goods	3	908,589	288,895	38,995	161,400	88,500	619,694	65,583	583	180,204
38	Liquors, distilled	440	31,006,176	16,972,727	2,816,967	6,299,511	7,856,249	14,033,449	65,179,927	5,343	2,814,889
39	Liquors, malt. (See also Bottling.)	1,248	232,471,290	148,239,269	33,538,926	64,412,133	50,288,210	84,232,021	48,276,299	34,800	28,382,544
40	Liquors, vinous. (See also Liquors, distilled.)	236	5,792,783	2,706,613	367,010	1,049,005	1,290,598	3,086,170	270,377	1,282	480,733
41	Lithographing and engraving. (See also Engraving, steel, including plate printing; Photolithographing and engraving; Printing and publishing.)	219	15,490,127	8,715,408	451,829	1,075,873	7,187,706	6,774,719	1,155,653	10,590	7,147,174
42	Lock and gun smithing	1,308	1,867,220	1,141,290	358,460	260,915	521,915	725,930	278,516	2,560	1,502,316
43	Looking-glass and picture frames	1,290	8,554,995	2,237,358	590,955	710,325	936,078	6,317,637	1,019,920	9,664	5,257,553
44	Lumber and other mill products from logs or bolts.	21,011	496,339,968	294,325,888	156539,097	31,273,534	106,513,257	202,014,080	20,136,273	286,197	87,784,433
45	Lumber, planing mill products, including sash, doors, and blinds. (See also Boxes, wooden packing; Wood, turned and carved.)	3,670	120,271,440	52,327,364	16,128,855	13,976,848	22,221,661	67,944,076	6,594,958	86,888	48,970,080
46	Malt. (See also Liquors, malt.)	202	24,293,864	10,787,614	3,230,357	5,827,303	1,729,954	13,506,250	1,305,246	3,694	2,103,200
47	Mantels, slate, marble and marbleized	90	1,854,759	698,780	304,900	238,650	155,230	1,155,979	108,899	1,704	1,160,861
48	Marble and stone work. (See also Monuments and tombstones.)	1,321	24,041,961	10,775,391	4,889,280	1,743,427	4,142,684	13,266,570	1,772,017	23,388	17,433,505
49	Masonry, brick and stone. (See also Plastering and stucco work.)	5,969	51,660,111	11,279,547	3,798,090	2,932,363	4,549,094	40,380,564	5,688,854	108,405	70,681,800
50	Matches	27	1,941,092	1,104,935	190,228	364,698	550,009	836,157	124,800	1,755	543,211
51	Mats and matting	24	392,639	165,062	23,400	23,100	118,562	227,577	26,651	423	212,481
52	Mattresses and spring beds. (See also Furniture; Wirework, including wire rope and cable.)	696	6,662,929	2,068,458	631,626	673,591	763,241	4,594,471	680,386	7,337	3,660,297
53	Millinery and lace goods. (See also Artificial feathers and flowers.)	278	6,630,210	1,788,243	100,200	353,000	1,335,043	4,841,967	742,153	11,827	5,452,429
54	Millinery, custom work	5,999	16,309,220	3,964,230	1,598,687	1,785,618	579,925	12,344,990	2,620,266	23,976	8,945,139
55	Millstones	4	49,450	36,150	20,500	10,600	5,050	13,300	1,628	28	17,864
56	Mineral and soda waters. (See also Bottling.)	1,377	10,781,817	8,229,883	1,818,888	1,539,273	4,871,722	2,551,934	1,286,577	7,717	4,206,868
57	Mirrors	45	1,695,772	264,997	18,110	33,300	213,587	1,430,775	169,594	1,542	1,033,235

SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks.				Operatives, skilled and unskilled.						Pieceworkers.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Males above 16 years.		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
22	$41,458	3	$915	119	$76,766	96	$28,905	3	$400							$325,615	$593,604	1
19	40,976			394	224,004			80	17,890							519,449	1,110,032	2
1,520	1,641,230	101	43,923	11,681	4,892,839	15125	3,882,062	2,711	374,128	3,165	$1,148,361	25,701	$6,124,008	1,205	$156721	35,861,585	67,241,013	3
244	268,409	6	4,415	2,083	1,021,581	740	219,142	82	15,949	432	225,065	78	24,792	2	400	4,832,791	8,347,285	4
438	311,711	1	480	2,606	1,081,810			15	1,362	205	12,824					940,699	4,900,983	5
132	183,399	4	2,625	357	258,782	18	8,658			5	2,300					1,145,554	2,376,672	6
122	148,580	5	2,358	203	101,555	99	24,081	12	1,494	20	10,752	47	12,606			519,231	1,128,307	7
373	406,641	20	7,955	1,592	975,849	137	39,236	23	3,894	214	169,269	12	3,350			698,352	3,271,616	8
3,773	5,662,568	47	25,038	147357	78,715,288	2	566	1,356	262,046							295,777,843	430,954,348	9
358	454,485	28	13,263	4,246	2,013,927	180	49,240	210	35,643	1,841	797,760	130	37,053	348	70,831	6,746,304	12,373,031	10
7	7,625			43	28,714			2	250	1	1,800					29,792	88,515	11
235	322,451	5	2,076	3,516	1,965,752	11	2,700	43	8,378	595	329,308			43	7,946	4,875,697	9,042,563	12
498	664,889	18	7,852	14,436	6,449,349	513	136,148	747	136,519	531	328,265	366	92,665	7	1,307	22,960,737	34,227,517	13
368	446,422	3	1,325	10,807	5,036,707	5	2,346	284	57,704	596	300,758			1	200	25,988,798	37,906,801	14
1470	1,696,081	44	19,675	16,656	10,002,485	9	3,120	146	27,028	343	201,924			4	1,144	18,620,510	37,745,294	15
102	94,657	3	836	901	473,830	140	42,040	18	2,718	160	67,166	20	5,939	1	174	921,975	1,918,607	16
49	51,004			144	69,655	41	12,846	4	738	23	12,196	23	8,210	8	1,552	120,184	350,819	17
1,712	2,158,469	169	73,597	9,760	6,286,793	2,598	824,420	215	36,605	936	767,663	370	122,825	1	21	16,110,219	34,761,458	18
127	140,231	1	416	597	367,225	260	60,068	17	2,824	23	14,780	12	1,796	1	234	483,441	1,454,053	19
18	23,001			307	148,876	665	180,137	167	22,672			55	16,900			501,909	1,120,121	20
185	193,413	5	1,837	1,215	520,971			5	628	51	27,280					1,330,290	2,846,862	21
184	152,673	4	3,610	1,025	454,816	18	4,646	22	2,886	377	120,065	130	25,147	45	8,534	1,187,460	2,401,873	22
85	87,365	7	3,572	414	247,046	137	33,740	27	2,814	1	780	12	2,220	27	2,360	402,371	1,048,304	23
213	280,701	7	3,612	1,730	928,854	131	30,404	52	10,026	140	60,684	13	5,982			1,542,092	4,039,359	24
36	39,344	1	1,500	82	54,512			5	780	5	3,350					124,852	315,604	25
120	181,300	10	6,640	683	408,896	112	29,480	61	11,950	3	676	29	9,100			12,654,360	15,474,848	26
76	85,439	2	550	501	329,975			2	416	193	155,352					331,225	1,239,065	27
137	165,963	6	3,170	634	381,888					1	575	2	725			6,882,157	8,351,754	28
20	19,711	2	1,000	160	70,452	2	600			1	400					211,936	463,705	29
58	47,911			235	131,695	21	6,216	3	604	38	21,298					724,739	1,072,755	30
305	336,620	15	7,108	1,569	761,894	879	233,012	86	15,500	193	105,528	24	4,162	3	300	2,988,747	5,578,428	31
414	454,262	12	6,114	6,029	3,157,773	114	36,225	296	56,683	1,333	874,304	22	10,680	17	3,528	18,174,452	26,279,105	32
81	131,735	1	312	1,370	790,654					635	430,280					3,932,724	6,502,228	33
2,050	2,086,155	19	9,401	29,130	13,916,135	80	21,966	76	12,000	2,963	1,772,196	27	7,612	3	140	100,114,806	138,282,004	34
41	52,161	5	2,820	159	75,109			1	145	4	1,660					212,789	483,296	35
660	525,361	7	3,548	12,430	4,698,620	7	2,540	89	13,238	517	229,915					5,667,863	15,741,801	36
9	13,070			156	69,728	287	65,500	34	6,202	62	18,711	8	2,159	27	4,834	268,907	547,273	37
573	564,325	8	4,500	4,559	2,142,232	3	390	5	540	194	102,802			1	100	14,909,173	104,197,869	38
4,483	7,621,448	60	47,713	29,117	20,399,030	168	40,757	508	91,609	374	165,763	82	15,000	8	1,224	64,003,347	182,731,622	39
229	178,955	5	2,325	962	285,418	24	7,382	6	548	54	5,905	2	200			1,318,012	2,846,148	40
856	1,256,812	78	35,032	7,727	5,277,573	1,461	372,757	303	54,473	124	136,757	35	12,548	6	1,222	6,265,464	17,988,157	41
1,307	811,396	11	5,059	1,140	625,424	1	600	45	6,862	55	22,611	1	364			822,557	3,153,834	42
1,654	1,383,189	82	27,507	6,510	3,403,867	526	135,678	367	64,349	427	219,404	59	17,713	39	5,846	7,069,115	16,376,173	43
19287	10,608,273	181	80,925	252129	73,723,635	1,388	249,524	2,616	333,604	9,051	2,607,984	893	113,875	652	66,613	231,555,618	403,667,575	44
6,814	6,676,686	151	71,538	76,849	41,156,203	104	28,200	1,474	226,112	1,444	796,804	37	12,161	15	2,376	104,926,834	183,681,552	45
365	512,725	1	300	3,285	1,571,931					43	18,244					17,100,074	23,442,559	46
180	205,714	4	2,028	1,399	863,155	4	962	4	1,294	113	87,708					1,254,667	3,127,662	47
1,916	2,110,145	22	8,762	20,907	14,759,349	14	5,434	49	9,849	937	529,646	37	9,620	6	700	16,232,430	41,924,264	48
6,579	6,744,321	92	34,737	99,866	62,706,284	12	4,398	170	64,347	1,686	1,127,713					91,791,109	190,704,818	49
50	66,115	9	4,540	710	292,329	246	44,612	49	7,174	70	24,409	601	103,442	20	1,590	935,008	2,193,638	50
40	39,607			262	123,819	16	3,312	7	1,250	81	40,395	17	4,098			301,591	608,625	51
978	877,994	41	18,350	3,746	1,836,923	770	233,585	197	30,560	1,160	520,238	379	119,956	66	22,691	8,727,380	15,683,932	52
579	847,117	130	79,291	1,775	1,017,301	5,008	1,791,134	42	8,611	749	435,174	3,544	1,273,801			8,588,342	18,047,067	53
1,052	818,322	5,852	2,885,416	351	139,198	16051	4,962,085	224	30,054	48	13,940	392	95,362	6	762	18,756,776	36,983,082	54
4	5,100			24	12,764											18,294	47,152	55
1,749	1,400,425	49	26,280	5,582	2,715,868	92	22,325	171	23,156	60	17,089	8	1,350	6	375	4,862,803	14,353,745	56
138	190,828			1,280	776,285	45	9,152	13	1,960	66	55,010					3,274,131	6,009,533	57

TABLE 2.—THE UNITED STATES, BY

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Aggregate.	Value of plant. Total.	Value of plant. Land.	Value of plant. Buildings.	Value of plant. Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Aggregates. Total wages.
1	Models and patterns	449	$1,384,721	$719,089	$119,138	$120,747	$479,204	$665,632	$150,512	2,010	$1,427,861
2	Monuments and tombstones. (See also Marble and stone work.)	2,052	13,073,232	4,261,564	1,988,177	1,189,296	1,084,091	8,811,668	970,358	12,101	7,930,016
3	Mucilage and paste	55	748,826	286,624	48,150	96,100	142,374	462,202	67,581	404	199,411
4	Musical instruments and materials, not specified.	293	1,329,329	650,507	156,775	191,375	302,357	678,822	178,488	1,382	862,177
5	Musical instruments, organs and materials	145	9,890,288	2,083,252	450,560	871,755	760,937	7,807,036	821,315	4,989	3,096,477
6	Musical instruments, pianos and materials	236	18,430,872	4,701,884	1,385,346	1,738,750	1,577,788	13,728,988	1,394,513	13,057	9,347,729
7	Needles and pins	45	1,820,089	954,609	81,100	222,900	650,609	865,480	71,674	1,680	728,002
8	Nets and seines	22	1,135,764	467,623	39,573	95,633	332,417	668,141	53,920	650	217,985
9	Oakum	7	275,675	186,525	73,525	35,000	78,000	89,150	6,579	151	57,116
10	Oil, castor	7	621,798	263,962	85,500	51,000	127,462	357,836	28,314	101	70,131
11	Oil, cottonseed and cake	119	12,808,996	8,941,014	898,345	2,733,217	5,309,452	3,867,982	1,163,586	6,301	1,907,827
12	Oil, essential	67	102,223	70,872	10,006	11,497	49,369	31,351	34,462	220	37,492
13	Oil, illuminating, not including petroleum, refining.	5	561,496	349,200	107,500	114,000	127,700	212,296	15,480	66	54,418
14	Oil, lard	7	481,526	197,500	65,500	77,500	54,500	284,026	102,663	120	82,232
15	Oil, linseed	62	14,003,358	5,036,210	1,208,775	1,514,358	2,313,077	8,967,148	1,321,461	2,073	1,286,062
16	Oil, lubricating	124	4,091,157	1,067,901	212,584	300,476	554,841	3,023,256	928,718	1,072	876,470
17	Oil, resin	8	284,110	153,500	58,000	50,000	45,500	130,610	20,890	117	82,652
18	Oilcloth, enameled	9	772,820	412,450	74,950	170,750	166,750	360,370	66,929	367	212,461
19	Oilcloth, floor	19	3,704,436	1,596,845	295,550	777,150	524,145	2,107,591	195,764	1,583	837,969
20	Oleomargarine	12	634,532	135,434	32,234	29,900	73,300	499,098	385,563	328	245,890
21	Optical goods	191	2,608,176	906,727	64,281	144,495	697,951	1,701,449	228,028	2,844	1,300,452
22	Ordnance and ordnance stores	4	7,639,991	7,446,383	2,081,866	3,516,829	1,847,688	193,608	18,885	1,459	1,099,306
23	Oysters, canning and preserving. (See also Food preparations.)	16	1,106,962	504,250	234,200	180,750	89,300	602,712	80,199	3,514	712,501
24	Painting and paper hanging	16,043	23,135,781	7,665,288	2,564,067	2,516,812	2,584,409	15,470,493	2,632,571	56,281	37,722,550
25	Paints. (See also Chemicals; Varnish.)	382	34,609,203	14,869,182	4,389,155	5,250,204	5,229,823	19,140,021	3,039,427	8,737	5,605,626
26	Paper. (See also Leather, board; Pulp, wood.)	567	82,374,099	56,289,244	9,002,883	18,250,116	29,036,245	26,084,855	6,270,959	29,568	13,746,584
27	Paper goods, not elsewhere specified	66	2,922,449	1,217,536	115,550	378,900	723,086	1,704,913	234,325	1,647	765,181
28	Paper hangings	27	5,709,909	2,108,753	355,500	486,584	1,266,669	3,601,156	660,117	2,814	1,474,788
29	Paper patterns	27	156,106	18,690	2,500	3,550	12,640	137,416	54,857	448	153,738
30	Patent medicines and compounds. (See also Druggists' preparations, not including prescriptions.)	1,127	18,596,823	5,275,507	1,700,721	1,833,970	1,740,816	13,321,316	7,063,311	9,390	5,094,202
31	Paving and paving materials	704	12,648,093	4,689,540	1,307,336	552,284	2,829,920	7,958,553	1,147,235	22,730	10,450,970
32	Pencil cases	6	66,625	21,000	.....	.....	21,000	45,625	5,919	89	60,088
33	Pencils, lead	5	3,100,836	936,000	270,000	373,000	293,000	2,164,836	154,528	1,452	580,750
34	Pens, fountain and stylographic	15	142,265	43,325	3,100	3,600	36,625	98,940	12,380	176	102,799
35	Pens, gold	18	473,964	149,120	12,000	8,000	129,120	324,844	82,753	363	260,669
36	Pens, steel	3	399,182	176,115	36,000	52,672	87,443	223,067	6,295	511	152,175
37	Perfumery and cosmetics. (See also Druggists' preparations, not including prescriptions.)	157	2,238,901	545,878	96,450	149,875	299,553	1,693,023	421,335	1,755	877,679
38	Petroleum, refining	94	77,416,296	35,127,700	7,886,668	6,403,994	20,837,038	42,288,596	2,069,268	12,471	6,989,478
39	Photographic apparatus	25	362,834	108,851	7,100	12,800	88,951	253,983	28,263	549	308,939
40	Photographic materials	45	1,172,640	459,179	104,600	132,413	222,166	713,461	91,356	899	538,266
41	Photography	3,105	7,804,532	5,080,305	614,670	684,504	3,781,131	2,724,227	1,592,786	10,432	6,405,871
42	Photolithographing and engraving. (See also Lithographing and engraving; Stereotyping and electrotyping.)	89	1,134,873	604,378	7,000	6,500	590,878	530,495	145,059	1,352	988,898
43	Pickles, preserves and sauces. (See also Fruits and vegetables, canning and preserving.)	316	4,913,459	1,679,044	455,803	485,185	738,056	3,234,415	528,283	4,252	1,767,319
44	Pipes, tobacco	69	1,432,753	567,788	30,863	95,015	441,910	864,965	95,545	1,345	730,996
45	Plastering and stuccowork. (See also Masonry, brick and stone.)	1,746	3,309,297	1,460,240	474,805	486,410	499,025	1,849,057	311,812	10,624	6,845,487
46	Plated and britannia ware. (See also Silverware.)	68	13,150,990	3,922,351	304,382	999,259	2,618,710	9,228,639	1,276,431	6,919	3,775,305
47	Plumbers' supplies. (See also Brass castings and brass finishing.)	122	9,678,107	3,859,279	988,950	1,085,228	1,785,101	5,818,828	550,938	5,485	3,304,214
48	Plumbing and gas fitting	5,327	29,335,247	8,113,905	2,590,074	2,437,944	3,085,887	21,221,342	2,492,884	42,513	28,762,611
49	Pocketbooks. (See also Leather goods.)	62	1,121,834	257,065	63,416	116,184	77,465	864,769	101,933	1,348	661,992
50	Printing and publishing, book and job. (See also Bookbinding and blank-book making.)	4,098	67,146,445	40,295,690	2,569,068	3,005,354	34,721,268	26,850,755	10,855,620	58,139	35,874,361
51	Printing and publishing, music. (See also Bookbinding and blank-book making.)	79	1,816,205	924,777	52,200	33,600	838,977	891,428	362,117	701	448,582
52	Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making.)	12,362	126,269,885	78,760,034	10,409,896	11,769,253	56,580,885	47,509,851	35,727,039	106,095	68,601,532
53	Printing materials	64	1,370,487	562,878	16,500	62,056	484,322	807,609	121,874	866	486,106
54	Printing, tip	27	154,910	114,000	.....	.....	114,000	40,910	26,992	292	158,600
55	Pulp goods	9	418,015	228,574	34,990	78,118	115,466	189,471	46,228	276	139,034

SPECIFIED INDUSTRIES : 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks.				Operatives, skilled and unskilled.						Pieceworkers.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Males above 16 years.		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
501	$470,119	6	$2,693	1,408	$920,665	36	$11,733	26	$3,731	32	$18,712	1	$208	.....	.....	$440,576	$2,523,395	1
2,297	1,891,285	26	10,706	8,903	5,472,699	9	2,702	28	5,189	836	547,300	1	60	1	$75	7,636,474	20,671,498	2
89	77,103	6	2,526	252	108,945	36	5,745	3	75	6	1,972	12	3,045	.....	.....	755,034	1,276,611	3
314	252,613	12	4,454	875	514,504	46	13,927	21	3,795	106	69,384	8	3,500	.....	.....	510,664	1,888,613	4
349	409,416	32	12,840	2,492	1,550,531	79	33,872	22	4,132	1,977	1,072,456	38	13,200	.....	.....	3,454,720	9,213,188	5
607	965,686	18	12,696	9,670	6,355,258	145	48,619	40	7,070	2,541	1,937,484	36	20,916	.....	.....	10,470,779	25,766,368	6
65	74,532	6	3,986	803	395,852	396	121,729	9	2,070	95	54,671	295	72,557	11	2,605	450,442	1,515,865	7
31	27,114	1	750	102	60,281	425	108,604	.....	.....	2	300	89	20,936	.....	.....	634,631	1,002,196	8
9	10,300	.....	.....	121	43,636	4	200	14	2,980	.....	.....	.....	.....	.....	.....	231,733	363,400	9
22	24,729	2	870	77	44,532	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	431,231	573,363	10
391	412,197	4	1,850	5,778	1,458,966	55	9,607	37	4,483	36	20,724	.....	.....	.....	.....	14,363,126	19,335,947	11
23	8,568	.....	.....	191	28,249	.....	.....	.....	.....	6	675	.....	.....	.....	.....	129,735	255,847	12
13	22,644	2	1,166	51	30,608	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	442,338	599,720	13
26	29,024	.....	.....	92	51,813	.....	.....	.....	.....	2	1,395	.....	.....	.....	.....	920,650	1,181,613	14
184	306,498	3	2,220	1,851	953,180	4	1,040	.....	.....	31	23,124	.....	.....	.....	.....	19,374,543	23,534,306	15
350	432,470	15	7,246	667	425,291	32	8,854	6	1,385	2	1,224	.....	.....	.....	.....	4,961,184	8,656,530	16
27	29,056	.....	.....	90	53,596	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	535,320	738,680	17
26	29,702	.....	.....	315	168,789	4	2,570	2	300	20	11,100	.....	.....	.....	.....	983,518	1,603,265	18
61	91,953	1	250	1,192	583,333	4	1,340	6	1,250	285	156,307	.....	.....	34	3,536	2,380,295	3,877,822	19
58	88,504	6	3,248	252	150,918	11	2,870	1	350	.....	.....	.....	.....	.....	.....	2,175,264	2,988,525	20
302	275,494	35	14,584	1,599	759,173	389	76,928	103	15,968	269	118,035	118	34,583	29	5,687	1,324,305	3,505,973	21
31	34,888	.....	.....	1,158	858,811	2	939	1	182	267	204,486	.....	.....	.....	.....	743,348	2,424,662	22
60	69,641	1	250	578	182,689	707	219,170	54	4,312	904	121,089	995	96,910	215	18,440	2,088,867	3,260,766	23
10816	8,886,887	129	48,332	42,617	27,446,839	224	67,944	250	44,836	2,213	1,221,514	25	5,374	7	824	23,102,359	74,067,998	24
1,597	1,995,138	96	41,731	6,242	3,307,846	421	116,490	55	8,373	218	109,485	98	24,873	10	1,690	24,930,532	40,438,171	25
1,156	1,599,563	44	22,091	21,280	10,340,749	4,627	1,148,527	218	34,211	645	150,212	1,589	450,814	9	417	42,223,314	74,309,388	26
121	150,174	7	3,654	881	440,462	385	100,624	95	14,523	90	39,076	54	14,484	14	2,184	2,627,454	4,179,235	27
218	297,182	12	5,452	1,961	1,014,155	240	59,015	276	39,544	102	27,340	3	1,800	2	300	3,572,027	7,431,726	28
30	40,860	9	4,352	46	35,558	361	72,422	1	156	1	390	.....	.....	.....	.....	85,269	377,456	29
2,029	2,007,911	303	130,908	3,988	2,177,014	2,190	558,554	145	21,113	243	75,501	480	122,336	12	865	11,030,916	32,620,182	30
1,001	1,021,570	9	4,102	21,156	9,182,112	1	312	16	2,023	547	240,851	.....	.....	.....	.....	13,891,005	30,644,072	31
10	13,080	.....	.....	74	45,540	5	1,468	.....	.....	.....	.....	.....	.....	.....	.....	59,491	164,450	32
56	126,500	8	3,800	434	246,311	299	70,246	267	40,360	49	18,170	333	74,163	6	1,200	796,378	1,687,560	33
23	28,434	1	468	107	58,003	21	4,835	.....	.....	21	9,819	3	1,240	.....	.....	123,214	351,775	34
56	72,900	6	2,224	239	151,385	23	6,952	1	104	38	27,104	.....	.....	.....	.....	235,628	718,070	35
15	20,143	.....	.....	66	40,272	2	728	33	5,249	75	19,635	320	66,148	.....	.....	56,630	268,259	36
325	353,896	34	22,263	528	274,192	760	199,676	13	1,682	14	3,964	78	21,206	3	800	2,128,420	4,630,141	37
1,035	1,102,892	33	14,119	9,227	5,077,917	2	622	500	81,635	1,658	708,820	.....	.....	16	3,473	67,918,723	85,001,198	38
40	44,560	3	1,624	429	244,182	58	12,700	12	1,512	7	4,361	.....	.....	.....	.....	164,620	624,342	39
110	115,868	6	2,150	536	333,309	192	60,935	2	338	51	25,106	2	560	.....	.....	1,107,269	2,121,387	40
3,143	2,773,456	322	159,772	4,490	2,611,163	1,888	662,756	117	18,663	296	124,656	175	55,285	1	120	3,892,196	15,488,324	41
192	221,443	15	6,836	959	681,634	72	23,115	16	2,658	97	52,712	1	500	.....	.....	541,395	2,071,580	42
648	595,803	27	12,624	1,864	832,691	1,069	210,685	21	2,372	100	25,340	516	86,524	7	1,280	5,328,541	9,790,855	43
131	151,941	8	4,240	822	424,438	125	31,368	15	1,875	202	107,348	38	6,266	4	520	626,668	1,881,262	44
1,804	1,459,330	4	1,440	8,466	5,233,229	13	4,536	8	1,174	327	145,703	2	75	.....	.....	4,416,053	13,460,824	45
278	408,892	24	11,153	4,857	2,700,124	709	200,457	147	25,733	623	346,509	265	80,340	16	2,097	4,647,890	11,502,966	46
518	635,779	20	10,850	4,078	2,217,258	44	13,719	111	26,441	681	391,309	29	8,258	4	600	5,853,709	11,960,464	47
6,907	6,787,427	149	59,870	34,656	21,713,722	66	26,234	475	91,263	259	83,939	1	156	.....	.....	37,735,671	80,905,925	48
135	168,329	5	1,752	569	288,906	374	96,439	63	5,505	161	91,178	32	8,218	9	1,665	968,948	2,165,462	49
7,375	7,925,120	617	300,250	35,780	21,956,713	7,930	2,640,833	1,382	248,486	3,660	2,097,445	1,395	705,514	.....	.....	29,387,211	93,540,831	50
204	209,341	35	15,458	328	170,084	69	21,341	24	4,128	38	26,634	3	1,596	.....	.....	401,415	1,683,333	51
17576	16,997,805	2,544	1,079,368	57,492	36,925,542	7,688	2,444,092	5,940	638,913	12,932	10,034,505	1,899	778,100	24	3,207	38,955,322	179,859,750	52
142	143,500	9	4,510	440	253,394	20	6,456	16	3,108	79	47,876	160	27,262	.....	.....	567,638	1,459,434	53
39	44,914	1	500	203	98,972	42	12,570	6	1,124	1	520	.....	.....	.....	.....	114,967	368,601	54
23	27,370	1	180	211	99,418	13	2,426	7	805	17	7,922	4	913	.....	.....	122,851	352,582	55

TABLE 2.—THE UNITED STATES, BY

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Aggregate.	Value of plant. Total.	Land.	Buildings.	Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Total wages.
1	Pulp, wood	82	$7,455,449	$5,961,654	$1,054,400	$1,725,211	$3,182,043	$1,493,795	$499,722	2,830	$1,228,901
2	Pulp from fiber other than wood	7	583,837	321,500	38,000	78,500	205,000	262,337	33,202	168	93,256
3	Pumps, not including steam pumps	256	3,540,097	1,697,572	447,855	631,059	618,658	1,842,525	225,377	2,140	1,145,145
4	Refrigerators	82	3,367,329	1,149,199	313,942	404,654	430,603	2,218,130	295,322	2,373	1,252,765
5	Regalia and society banners and emblems. (See also Flags and banners.)	137	1,841,193	278,565	31,001	32,641	214,923	1,562,628	247,882	2,379	1,044,722
6	Registers, car fare	7	74,725	32,950	.....	.....	32,950	41,775	13,098	101	64,074
7	Registers, cash	5	292,150	96,050	8,000	25,000	63,050	196,100	16,805	742	434,140
8	Rice cleaning and polishing	32	2,073,884	1,422,273	301,870	560,850	559,553	651,611	147,992	743	319,593
9	Roofing and roofing materials. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	2,140	13,303,597	5,409,441	1,608,574	1,549,458	2,251,409	7,894,156	1,117,670	13,333	8,558,026
10	Rubber and elastic goods	139	13,703,787	4,920,715	475,650	1,172,040	3,273,025	8,783,072	1,133,182	9,802	4,516,266
11	Rules, ivory and wood	16	172,918	107,241	26,850	18,930	61,461	65,677	11,183	163	74,127
12	Saddlery and harness	7,931	35,346,620	9,949,904	3,360,578	4,166,339	2,422,987	25,396,716	2,666,620	30,326	16,030,845
13	Safes and vaults	39	4,603,118	1,318,879	172,250	292,910	853,719	3,284,239	564,756	4,131	2,394,825
14	Salt	200	13,437,749	11,247,548	4,287,784	4,255,896	2,703,868	2,190,201	674,183	4,455	1,782,491
15	Sand and emery paper and cloth	9	705,957	208,189	27,727	44,815	135,647	497,768	111,073	253	156,489
16	Sausage. (See also Slaughtering.)	249	1,128,562	787,149	266,905	264,340	255,904	341,413	115,520	1,106	561,673
17	Saws	95	6,313,373	2,527,398	631,100	656,912	1,239,387	3,785,974	435,625	2,943	1,859,694
18	Scales and balances	76	1,658,655	874,601	190,500	291,625	392,476	784,054	108,056	1,500	837,575
19	Screws, machine	20	1,672,343	928,427	130,500	231,818	566,109	743,916	73,946	1,113	534,943
20	Screws, wood	7	5,572,237	3,356,257	332,631	1,238,054	1,785,572	2,215,980	310,519	1,651	625,465
21	Sewing machine cases	7	1,430,403	691,803	101,000	307,700	283,103	738,600	81,396	1,842	886,725
22	Sewing machine repairing	166	192,593	72,600	14,700	9,100	48,800	119,993	47,542	335	201,066
23	Sewing machines and attachments	59	16,043,136	5,531,743	552,062	1,362,124	3,611,557	10,511,393	1,865,050	9,121	5,170,555
24	Shipbuilding	1,010	53,393,074	39,870,665	14,294,878	10,170,301	15,405,486	13,522,409	1,392,551	25,934	16,028,847
25	Shirts. (See also Furnishing goods, men's.)	869	14,273,611	2,931,474	510,650	889,553	1,531,271	11,342,137	2,188,265	32,750	10,704,603
26	Shoddy	94	3,754,063	1,675,801	265,500	556,990	853,311	2,078,262	238,094	2,299	856,582
27	Show cases	99	1,208,022	365,928	76,500	107,284	182,144	842,094	147,134	1,500	876,150
28	Silk and silk goods	472	51,007,537	21,086,308	1,691,660	5,212,968	14,181,680	29,921,229	4,259,623	50,913	19,680,318
29	Silversmithing	24	410,773	79,275	550	200	78,525	331,498	20,755	314	253,652
30	Silverware. (See also Plated and britannia ware.)	30	5,317,641	1,766,367	215,500	380,500	1,170,367	3,551,274	633,891	2,306	1,618,429
31	Slaughtering and meat packing, wholesale. (See also Lard, refined; Sausage.)	611	98,190,766	36,652,521	10,585,656	17,092,271	8,974,594	61,538,245	13,200,585	40,409	23,491,101
32	Slaughtering, wholesale, not including meat packing. (See also Lard, refined; Sausage.)	507	18,696,738	8,349,270	2,509,667	3,211,822	2,627,781	10,347,468	2,516,150	7,537	5,350,475
33	Smelting and refining	50	9,425,912	4,295,843	448,910	2,686,490	1,160,443	5,130,069	472,996	1,765	1,122,353
34	Soap and candles. (See also Grease and tallow.)	578	24,821,069	11,183,713	3,140,704	4,148,637	3,894,372	13,637,356	3,355,625	9,305	4,951,648
35	Soda water apparatus	12	3,354,928	1,122,006	238,900	225,600	657,506	2,232,922	381,110	993	728,121
36	Sporting goods	136	1,693,776	785,506	100,590	185,935	498,981	908,270	101,709	2,199	881,970
37	Springs, steel, car and carriage	57	3,459,422	1,727,252	428,159	389,783	909,310	1,732,170	178,290	1,892	1,174,770
38	Stamped ware. (See also Tinsmithing, coppersmithing, and sheet-iron working.)	99	8,692,888	4,284,347	974,250	658,639	2,651,458	4,408,541	630,881	7,075	3,092,872
39	Starch	80	4,929,155	2,747,655	324,011	1,377,608	1,046,036	2,181,500	1,108,135	3,121	1,189,017
40	Stationery goods, not elsewhere specified	200	5,372,309	1,908,612	207,740	350,350	1,350,522	3,463,697	425,554	4,790	2,268,409
41	Steam fittings and heating apparatus. (See also Foundry and machine shop products.)	217	17,017,364	5,853,791	977,000	1,423,441	3,453,350	11,163,573	1,485,212	11,779	7,594,395
42	Steam packing	34	538,564	150,582	7,200	7,700	135,682	387,982	101,192	418	229,174
43	Stencils and brands	106	445,165	261,060	16,100	13,200	231,760	184,105	58,839	499	345,377
44	Stereotyping and electrotyping. (See also Type founding.)	81	1,332,129	786,170	30,050	20,125	735,995	545,959	161,924	1,475	1,068,991
45	Straw goods, not elsewhere specified. (See also Hats and caps, not including wool hats.)	6	106,750	39,000	250	1,000	37,750	67,750	13,685	433	120,388
46	Sugar and molasses, refining	393	24,013,008	14,508,975	2,889,472	3,891,614	7,727,889	9,504,033	5,920,763	7,529	2,815,275
47	Surgical appliances. (See also Artificial limbs.)	155	856,396	278,906	34,775	40,725	203,406	577,490	184,749	912	549,318
48	Tar and turpentine	670	4,062,375	2,590,113	1,670,378	.....	919,735	1,472,262	178,662	15,315	2,933,491
49	Taxidermy	63	293,112	56,309	22,100	23,550	10,659	236,803	20,361	155	102,237
50	Teasels	5	61,400	23,150	4,550	17,200	1,400	38,250	1,088	72	21,584
51	Timber products not manufactured at mill	1,606	61,541,086	37,823,089	30,894,979	.....	6,928,110	23,717,997	5,187,790	46,142	11,353,608
52	Tinsmithing, coppersmithing, and sheet-iron working. (See also Roofing and roofing materials; Stamped ware.)	7,002	38,434,900	17,223,734	4,597,401	5,561,681	7,064,652	21,211,166	3,029,860	38,442	21,036,375
53	Tobacco, chewing, smoking, and snuff	395	30,841,316	7,526,380	1,463,852	3,204,161	2,858,367	23,314,936	19,463,749	31,267	8,568,071
54	Tobacco, cigars and cigarettes	10,956	59,517,827	10,193,759	3,323,453	4,077,496	2,792,810	49,324,068	17,673,063	98,156	14,767,989
55	Tobacco, stemming and rehandling	292	5,735,610	869,735	197,635	482,375	189,725	4,865,875	424,869	6,504	1,455,946
56	Tools, not elsewhere specified. (See also Cutlery and edge tools; Hardware.)	462	11,376,622	5,232,703	742,349	1,216,408	3,273,946	6,143,919	835,443	7,095	4,144,838
57	Toys and games	139	2,781,185	1,173,652	159,050	348,200	666,402	1,607,533	283,592	3,440	1,346,850
58	Trunks and valises. (See also Leather goods.)	395	6,900,756	1,854,899	634,355	668,950	551,594	5,045,857	663,762	6,785	3,513,749
59	Type founding. (See also Stereotyping and electrotyping.)	38	4,968,309	2,287,971	86,600	177,500	2,023,971	2,680,338	236,907	2,172	1,401,749

SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks.				Operatives, skilled and unskilled.						Pieceworkers.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Males above 16 years.		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
143	$146,373	5	$2,630	2,536	$1,043,737	22	$4,672	41	$5,595	83	$25,894	.....	.....	.....	.....	$2,005,166	$4,627,796	1
15	24,200	1	150	125	52,581	.....	.....	2	300	25	16,025	.....	.....	.....	.....	126,962	524,243	2
379	314,781	7	2,790	1,660	783,489	1	200	13	1,777	80	42,108	.....	.....	.....	.....	1,681,275	4,103,410	3
191	217,513	4	1,420	1,542	749,663	30	6,480	69	10,750	480	254,373	27	$8,172	30	$4,394	2,377,958	4,513,616	4
258	283,998	41	22,871	636	328,159	1,056	297,906	12	1,580	39	23,772	335	86,251	2	185	1,246,906	3,203,890	5
9	9,476	1	450	90	54,076	.....	.....	1	72	.....	.....	.....	.....	.....	.....	22,618	141,320	6
44	37,234	1	624	568	363,418	99	18,364	10	1,500	20	13,000	.....	.....	.....	.....	222,576	1,224,500	7
96	96,160	.....	.....	627	220,768	9	1,323	7	714	3	592	.....	.....	1	36	5,601,205	6,693,196	8
2,353	2,067,893	43	20,619	10,644	6,390,445	27	5,602	103	18,046	159	54,985	.....	.....	4	435	14,712,379	29,412,813	9
579	831,078	40	21,212	3,613	1,846,539	2,092	612,951	279	50,890	896	456,113	2,204	676,990	99	20,493	11,113,528	18,708,917	10
26	21,502	1	692	82	36,869	15	3,207	1	156	19	7,599	13	3,104	6	998	34,325	154,173	11
7,577	5,089,938	77	31,989	16,761	8,260,550	656	186,753	317	45,131	4,615	2,335,574	306	78,642	17	2,268	24,674,225	52,970,801	12
292	255,826	23	9,384	3,412	1,392,460	1	720	39	4,102	364	192,333	.....	.....	.....	.....	2,635,313	6,641,844	13
197	188,174	3	875	3,598	1,397,591	75	18,735	35	5,916	457	148,356	73	20,456	17	2,388	1,826,770	5,484,618	14
47	52,263	.....	.....	189	100,156	17	4,070	.....	.....	.....	.....	.....	.....	.....	.....	781,505	1,249,647	15
260	194,499	9	3,948	811	356,607	21	5,862	4	505	1	252	.....	.....	.....	.....	1,935,170	3,055,367	16
252	269,338	15	6,830	2,110	1,301,686	7	1,978	159	26,494	352	240,731	39	9,362	9	3,275	2,346,401	5,572,992	17
145	143,215	5	1,863	1,263	641,616	2	550	12	2,246	72	47,955	.....	.....	1	130	867,955	2,322,744	18
62	58,897	4	1,583	811	390,936	68	8,978	2	70	176	74,479	.....	.....	.....	.....	331,701	1,183,341	19
73	80,968	20	4,784	744	357,241	447	83,819	49	7,291	79	35,906	239	55,456	.....	.....	900,676	2,326,645	20
19	33,810	1	312	1,092	564,510	8	3,500	154	28,460	565	255,133	3	1,000	.....	.....	990,439	2,249,551	21
134	85,567	8	3,642	176	106,455	15	4,752	1	130	1	520	.....	.....	.....	.....	86,816	385,941	22
268	412,171	16	8,060	6,052	3,425,590	501	177,664	241	71,998	1,997	1,059,292	35	12,920	11	2,860	3,502,173	12,823,147	23
1,112	1,188,407	11	6,463	23,499	14,212,969	7	2,272	174	26,344	1,129	592,142	2	250	.....	.....	16,925,109	40,242,115	24
1,376	1,426,295	167	84,813	2,575	1,510,621	7,817	2,260,224	128	17,513	2,862	1,047,458	17,746	4,348,166	79	9,513	15,704,353	33,638,593	25
142	148,567	2	916	1,243	532,238	405	95,724	13	2,700	9	2,012	460	72,825	25	1,600	6,003,035	7,887,000	26
164	156,098	5	1,950	1,149	636,591	4	988	64	14,136	112	66,203	.....	.....	2	184	1,077,345	2,569,557	27
1,396	1,852,235	135	65,642	11,478	6,254,114	19907	5,523,790	2,666	407,321	6,124	3,095,417	9,007	2,446,275	200	35,524	51,004,425	87,298,454	28
34	56,498	6	3,376	257	187,260	13	5,856	4	662	.....	.....	.....	.....	.....	.....	204,237	621,567	29
140	214,144	21	9,312	1,941	1,302,637	130	39,887	12	2,119	62	50,330	.....	.....	.....	.....	2,129,344	5,813,737	30
2,809	3,138,108	98	48,964	34,601	19,243,991	471	138,469	645	119,989	1,266	655,135	516	146,289	3	156	366,993,662	433,252,315	31
1,049	1,342,114	15	7,414	6,130	3,735,117	3	796	42	8,887	288	233,647	.....	.....	10	2,500	113,968,549	128,359,353	32
117	169,583	2	1,470	1,639	950,000	1	300	3	400	.....	.....	.....	.....	3	600	25,285,191	28,188,826	33
1,411	1,505,506	73	29,288	5,981	2,982,056	972	238,784	461	69,415	144	48,331	210	68,801	53	9,467	28,687,412	43,600,285	34
145	176,806	9	4,235	753	496,284	13	3,515	11	2,375	53	41,074	9	3,832	.....	.....	1,016,202	2,711,879	35
180	171,463	11	4,596	906	444,502	462	109,694	112	21,768	138	66,363	390	63,584	.....	.....	1,119,806	2,709,449	36
151	208,902	7	2,926	1,193	696,793	.....	.....	22	4,362	507	260,405	.....	.....	12	1,382	2,219,408	4,331,571	37
322	385,795	5	2,344	3,342	1,723,743	857	190,206	409	71,211	1,574	585,684	527	130,623	39	3,266	5,229,888	10,475,271	38
212	225,617	6	4,292	2,283	827,475	316	61,161	94	10,166	24	13,305	168	44,201	18	2,800	5,153,677	8,934,517	39
507	607,655	47	22,894	1,865	990,336	1,560	404,784	180	25,573	218	102,098	406	114,245	7	824	5,268,761	9,292,017	40
1,090	1,369,592	44	20,470	9,100	5,341,049	115	42,808	112	23,395	1,245	776,605	73	20,476	.....	.....	10,628,314	23,147,434	41
100	75,892	3	1,300	268	138,834	29	8,038	10	2,054	8	3,056	.....	.....	.....	.....	357,819	1,003,372	42
137	134,023	5	1,872	314	196,787	14	5,602	14	2,301	5	2,920	10	1,872	.....	.....	167,590	732,611	43
177	240,479	9	4,627	1,064	702,459	17	10,143	56	11,464	102	79,011	50	20,808	.....	.....	500,744	2,183,909	44
9	15,340	.....	.....	41	22,752	104	30,632	2	442	75	15,000	202	36,222	.....	.....	134,945	329,987	45
469	424,347	17	5,274	6,660	2,352,446	232	14,410	100	4,286	37	11,860	14	2,652	.....	.....	107,758,811	123,118,259	46
248	227,964	52	20,550	342	219,127	197	59,664	23	3,776	13	6,403	36	11,684	1	150	524,488	1,650,033	47
49	26,944	.....	.....	14,488	2,818,631	16	925	1	50	543	72,761	125	9,419	93	4,761	2,874,693	8,077,379	48
65	55,875	.....	.....	75	43,002	6	1,536	4	689	4	910	1	225	.....	.....	37,727	231,773	49
3	1,040	.....	.....	42	13,337	10	3,120	3	936	14	3,151	.....	.....	.....	.....	50,362	84,700	50
907	514,559	.....	.....	35,319	8,298,903	201	34,905	11	2,191	9,678	2,498,638	19	3,108	7	1,304	11,006,678	34,289,807	51
6,931	5,366,780	134	59,330	27,225	14,364,601	1,033	230,760	948	152,504	1,856	785,505	242	62,978	63	13,917	31,217,522	66,653,746	52
1,452	1,611,541	25	9,372	11,274	3,630,623	6,550	1,265,960	2,735	225,897	3,668	952,199	4,014	774,640	1,549	97,839	29,192,249	65,843,587	53
10903	8,182,002	253	110,927	20,515	9,585,024	8,527	2,327,476	2,200	283,342	38,937	19,281,741	15,687	4,847,289	1,134	150,188	50,298,960	129,693,275	54
516	322,909	3	4,520	3,087	710,637	1,215	188,752	413	49,685	717	105,296	426	64,867	127	9,280	12,813,108	16,209,761	55
671	656,944	14	5,842	4,787	2,627,648	112	36,452	88	15,842	1,340	772,777	70	27,066	13	2,267	3,517,269	10 528,025	56
265	261,377	27	10,044	1,838	749,257	432	101,228	141	21,422	373	121,258	272	67,219	92	15,045	1,453,738	3,749,755	57
732	712,865	21	10,134	3,631	1,824,420	229	58,522	125	19,422	1,924	857,190	72	21,264	51	9,932	4,703,982	10,821,621	58
199	269,350	23	10,888	707	482,933	134	71,083	40	7,372	538	340,431	471	210,577	60	9,115	1,434,092	3,916,904	59

TABLE 2.—THE UNITED STATES, BY

	MECHANICAL AND MANUFACTURING INDUSTRIES.	Number of establishments reporting.	CAPITAL. Aggregate.	CAPITAL. Value of plant. Total.	Land.	Buildings.	Machinery, tools, and implements.	Live assets.	Miscellaneous expenses.	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES. Aggregates. Average number.	Total wages.
1	Typewriters and supplies	30	$1,421,783	$615,948	$35,350	$47,050	$533,548	$805,835	$119,773	1,735	$1,078,203
2	Umbrellas and canes	435	5,646,289	897,622	159,350	187,303	550,969	4,748,667	961,328	6,863	3,204,797
3	Upholstery materials. (See also Carpets and rugs, other than rag; Woolen goods; Worsted goods.)	152	4,427,654	1,411,558	343,629	467,290	630,639	2,986,096	244,043	3,479	1,454,062
4	Varnish (See also Paints.)	140	11,308,943	2,703,849	743,525	1,083,116	877,208	8,605,094	1,310,811	1,851	1,749,061
5	Vault lights and ventilators. (See also Foundry and machine shop products.)	15	175,225	35,250	3,000	1,500	30,750	139,975	25,388	205	160,594
6	Vinegar and cider	694	5,858,395	3,685,561	880,388	1,188,302	1,616,871	2,172,834	355,334	3,388	1,149,069
7	Washing machines and clothes wringers	163	1,712,953	588,735	100,580	184,379	303,776	1,124,218	82,444	1,239	589,523
8	Watch and clock materials. (See also Clock cases and materials.)	32	661,784	361,250	55,500	56,100	249,650	300,534	29,099	563	292,497
9	Watch cases	45	4,727,100	1,495,991	127,850	404,500	963,641	3,231,109	443,175	3,869	2,116,286
10	Watch, clock, and jewelry repairing. (See also Jewelry.)	4,502	6,057,125	3,251,046	877,854	818,144	1,555,048	2,806,079	1,047,575	8,647	5,516,595
11	Watches	19	10,106,114	4,941,217	679,971	1,554,510	2,706,736	5,164,897	733,404	6,675	3,688,927
12	Whalebone and rattan. (See also Baskets and rattan and willow ware.)	9	221,358	12,575	.....	.....	12,575	208,783	13,297	79	53,713
13	Wheelbarrows	26	1,116,359	433,816	110,811	167,175	155,830	682,543	86,125	620	297,508
14	Whips	81	1,632,404	357,958	51,094	94,612	212,252	1,274,446	245,962	1,087	544,522
15	Windmills	77	2,463,231	716,106	134,723	225,416	355,967	1,747,125	171,781	1,295	691,583
16	Window shades	182	4,167,457	1,300,655	205,900	390,900	703,855	2,866,802	1,298,181	2,399	1,437,771
17	Wire	24	11,607,685	5,297,694	928,655	1,505,719	2,863,320	6,309,991	447,480	7,804	4,183,802
18	Wirework, including wire rope and cable. (See also Mattresses and spring beds.)	569	11,757,902	5,178,999	917,012	1,379,625	2,882,332	6,578,903	858,877	7,917	3,983,209
19	Wood, preserving	4	262,718	241,000	37,000	18,000	186,000	21,718	13,385	95	42,009
20	Wood, turned and carved. (See also Lumber, planing mill products, including sash, doors, and blinds.)	872	7,825,668	3,930,607	637,509	906,628	2,386,470	3,895,061	624,837	8,430	4,226,923
21	Woodenware, not elsewhere specified	167	2,711,609	1,474,902	319,668	506,545	648,689	1,236,707	200,961	3,101	1,237,334
22	Wool hats	32	4,142,224	1,194,389	144,350	381,105	668,934	2,947,835	249,568	3,592	1,363,944
23	Woolen goods. (See also Carpets and rugs, other than rag; Felt goods; Gloves and mittens; Hosiery and knit goods.)	1,311	130,989,940	57,820,243	6,534,819	19,332,575	31,952,849	73,169,697	8,402,623	79,351	28,478,931
24	Worsted goods	143	68,085,116	27,890,810	2,842,769	7,962,865	17,085,176	40,194,306	4,917,760	43,593	15,880,183
25	Zinc	8	1,007,320	553,500	80,000	168,000	305,500	453,820	76,723	1,082	653,095
26	All other industries (*a*)	12	2,952,222	2,036,050	179,276	704,919	1,151,855	916,172	219,518	1,748	622,080

a Industries in which less than three establishments are reported are grouped in order to avoid disclosing the operations of individual establishments. These establishments are distributed as follows: fuel, artificial, 2; phonographs and graphophones, 2; racking hose, 1; rubber, vulcanized, 1; sugar and molasses, beet, 2; thread, linen, 2; tinfoil, 2.

SPECIFIED INDUSTRIES: 1890—Continued.

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

Officers, firm members, and clerks.				Operatives, skilled and unskilled.						Piecework.						Cost of materials used.	Value of products, including receipts from custom work and repairing.	
Males above 16 years.		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		Females above 15 years.		Children.				
Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.			
88	$126,154	16	$6,573	1,015	$656,143	154	$46,759	2	$254	427	$241,270	3	$1,050	.....	.....	$632,723	$3,630,126	1
743	721,637	98	47,300	2,606	1,348,737	1,831	575,218	139	23,624	353	140,666	1,093	347,615	.....	.....	7,562,921	13,771,927	2
243	229,938	5	2,210	1,829	778,629	554	168,778	72	10,680	339	169,945	338	78,645	99	$15,237	3,013,253	5,733,039	3
675	998,672	31	17,674	1,108	721,837	17	4,888	8	1,354	8	3,700	2	468	2	468	7,805,663	13,795,510	4
31	44,814	.....	.....	172	115,080	1	600	1	100	.....	.....	.....	.....	.....	.....	185,529	455,413	5
739	425,098	12	3,290	2,432	706,555	145	9,140	30	1,291	20	3,083	10	612	.....	.....	3,268,455	6,649,300	6
205	156,750	4	1,885	756	346,516	21	4,827	21	3,379	182	69,573	4	600	46	5,993	1,354,550	2,489,175	7
44	51,138	1	375	371	197,902	111	29,834	11	2,098	17	9,750	5	1,000	3	400	314,674	787,310	8
173	212,763	17	6,936	2,224	1,317,071	508	150,952	23	3,615	720	352,590	202	41,848	2	481	5,022,455	8,618,479	9
3,803	2,615,708	25	9,767	4,421	2,731,185	69	21,780	116	18,212	211	88,383	2	1,560	.....	.....	2,225,888	10,704,477	10
70	96,555	10	4,564	1,609	1,102,824	847	333,405	20	5,400	2,326	1,472,244	1,793	673,935	.....	.....	995,740	6,051,066	11
10	15,700	.....	.....	48	31,935	21	6,078	.....	.....	.....	.....	.....	.....	.....	.....	555,173	682,977	12
49	44,579	4	1,740	438	190,623	.....	.....	7	1,026	122	59,540	.....	.....	.....	.....	637,720	1,185,565	13
139	140,070	4	1,310	530	261,669	156	44,738	8	1,470	138	62,980	112	32,285	.....	.....	821,614	2,153,818	14
167	126,995	18	8,813	1,077	541,580	4	2,005	7	1,365	22	10,825	.....	.....	.....	.....	1,123,947	2,475,050	15
358	413,517	16	7,999	1,523	805,563	315	105,581	17	2,829	121	82,651	49	19,631	.....	.....	5,341,874	9,239,669	16
202	323,832	6	3,448	7,363	3,717,636	43	12,952	1	156	184	123,778	5	2,000	.....	.....	15,038,540	22,012,804	17
920	872,028	43	25,590	4,585	2,209,385	439	122,535	221	39,276	1,224	592,759	431	115,683	54	5,953	8,325,435	15,552,857	18
15	12,692	.....	.....	80	29,317	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50,697	143,475	19
1,005	883,549	23	9,821	6,425	3,050,088	173	32,372	227	33,847	449	200,643	117	15,116	11	1,487	3,947,227	10,939,647	20
211	182,411	9	4,510	1,969	772,335	14	3,436	81	11,415	638	242,607	117	15,966	62	4,654	1,498,773	3,597,602	21
89	112,664	3	1,304	1,559	619,606	523	118,547	150	16,948	661	360,424	598	133,114	9	1,337	2,802,041	5,329,921	22
2,355	2,310,323	81	29,414	40,350	16,307,265	25672	7,120,875	4,367	668,963	1,780	752,058	4,487	1,250,399	259	39,634	82,270,335	133,577,977	23
587	923,838	28	11,379	17,962	7,898,033	17727	5,089,269	3,791	631,174	1,109	532,592	2,355	788,448	34	5,450	50,706,769	79,194,652	24
30	38,270	.....	.....	1,017	613,926	.....	.....	3	700	2	200	.....	.....	.....	.....	2,005,682	2,976,730	25
43	59,848	6	2,600	695	352,476	718	159,404	38	4,940	40	4,616	208	38,196	.....	.....	1,773,808	3,142,145	26